

# Liftcrane Boom Capacities

**Boom No. B10:290**

**73,000 lb Crane Counterweight**

**23,100 lb Carbody Counterweight**

**360 Degree Rating**

**MLC100-1  
SERIES 2**



**LIFTING CAPACITIES:** Lifting capacities for various boom lengths and 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 boom point capacity for liftcrane service with single part whip line from Drum 3 is 20,000 lb. When Drum 1 or Drum 2 is used, capacity with single part whip line is 27,600 lb. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

**BOOM BACKWARD STABILITY:** A minimum of 2 parts hoist line is required when using Drum 2 or 3 on 42.7 ft and 52.5 ft boom lengths to maintain boom stability at high boom angles. **Caution: Do not operate using Drum 2 or 3 without required parts of hoist line. Boom may not lower and boom hoist wire rope may go slack causing wire rope damage or failure.**

**OPERATING CONDITIONS:** Machine to operate on a firm, level, and uniformly supporting surface. Refer to Boom Rigging **No. 84054317**, Wire Rope Specifications chart **No. 9709-A**, Counterweight Arrangements chart **No. 9703-A**, and Wind Conditions chart **No. 9708-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.

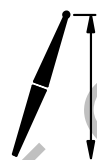
**MACHINE TRAVEL:** Machine to travel on a firm, level, and uniformly supporting surface. Boom must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specifications chart **No. 9707-A**.



**OPERATING RADIUS:** Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block.



**BOOM ANGLE:** Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



**BOOM POINT ELEVATION:** Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

**MACHINE EQUIPMENT:** Machine equipped with 21 ft 3 in. crawlers, 35 in. treads, 14 ft 5 in. gantry, 8 part boom hoist reeving, two 32 mm boom pendants, 73,000 lb crane counterweight, and 23,100 lb carbody counterweight.

Consult chart **No. 9710-A** when Jib No. 117 is attached.

## Upper Boom Point Deduct

Deduct 600 lb from capacities when upper boom point is attached. Deduct does not apply to 42.7 ft thru 62.3 ft boom lengths.

## Third Line Deduct

Deduct 300 lb from capacities when boom top is equipped with optional 3rd sheave wire rope guide.

## Deduct From Capacities When Jib No. 117 Is Attached

| Jib Length (ft) | Deduct (lb) |
|-----------------|-------------|
| 30.0            | 4,500       |
| 40.0            | 5,300       |
| 50.0            | 6,200       |
| 60.0            | 7,400       |

Weight of jib and 700 lb suspended beneath jib point have been included in determination of deduct.

Refer to Table 1 for raising ability with the maximum weight of all load blocks, hooks, weight ball, slings, and hoist lines beneath boom point sheaves. For block weights shown with #, load blocks, hooks, weight ball, and slings must remain on ground until combined weights are within rated capacity of chart. Raising is not permitted in shaded areas of table.

Combined weight beneath boom point sheaves must not exceed block weight shown.

**Table 1**

| Boom Length<br>(ft) | Over End or Side of Crawlers |
|---------------------|------------------------------|
|                     | Block Weight (lb)            |
| 42.7 - 160.8        | 3,800                        |
| 170.6               | 2,650                        |
| 180.4 - 200.1       | 700                          |

REFERENCE ONLY!

Explanation of Symbols



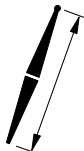
Boom No. B10:290



Crane Counterweight  
+  
Carbody Counterweight



360 Degree Rating



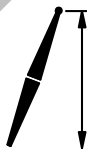
Boom Length



Operating Radius  
(see page 1)



Boom Angle  
(see page 1)

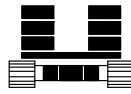


Boom Point Elevation  
(see page 1)



Lifting Capacities  
(see page 1)

B10



73,000 lb  
+  
23,100 lb



360°

| 42.7 ft |      |      |         |
|---------|------|------|---------|
| ft      | °    | ft   | lb      |
| 12      | 79.8 | 48.8 | 220,500 |
| 13      | 78.4 | 48.6 | 194,500 |
| 14      | 77.1 | 48.3 | 188,200 |
| 15      | 75.7 | 48.1 | 176,400 |
| 16      | 74.3 | 47.8 | 165,900 |
| 17      | 72.9 | 47.5 | 156,600 |
| 18      | 71.4 | 47.1 | 148,200 |
| 19      | 70.0 | 46.8 | 141,000 |
| 20      | 68.6 | 46.4 | 133,800 |
| 22      | 65.6 | 45.5 | 115,700 |
| 24      | 62.6 | 44.5 | 101,300 |
| 26      | 59.5 | 43.3 | 89,900  |
| 28      | 56.3 | 42.0 | 80,700  |
| 30      | 53.0 | 40.5 | 73,200  |
| 32      | 49.5 | 38.9 | 66,900  |
| 34      | 45.8 | 37.0 | 61,500  |
| 36      | 41.8 | 34.8 | 56,900  |
| 38      | 37.5 | 32.3 | 52,800  |
| 40      | 32.7 | 29.3 | 48,400  |
| 42      | 27.1 | 25.7 | 42,300  |
| 44      | 20.1 | 20.9 | 36,200  |

| 52.5 ft |      |      |         |
|---------|------|------|---------|
| ft      | °    | ft   | lb      |
| 13      | 80.6 | 58.6 | 194,700 |
| 14      | 79.5 | 58.4 | 188,000 |
| 15      | 78.4 | 58.2 | 176,200 |
| 16      | 77.3 | 58.0 | 165,700 |
| 17      | 76.2 | 57.7 | 156,400 |
| 18      | 75.0 | 57.5 | 148,000 |
| 19      | 73.9 | 57.2 | 140,500 |
| 20      | 72.7 | 56.8 | 133,600 |
| 22      | 70.4 | 56.1 | 115,900 |
| 24      | 68.1 | 55.4 | 101,400 |
| 26      | 65.7 | 54.5 | 90,000  |
| 28      | 63.3 | 53.5 | 80,800  |
| 30      | 60.8 | 52.4 | 73,200  |
| 32      | 58.2 | 51.2 | 66,900  |
| 34      | 55.6 | 49.8 | 61,500  |
| 36      | 52.9 | 48.3 | 56,900  |
| 38      | 50.0 | 46.7 | 52,900  |
| 40      | 47.1 | 44.9 | 49,300  |
| 42      | 44.0 | 42.8 | 46,200  |
| 44      | 40.7 | 40.6 | 43,400  |
| 46      | 37.1 | 38.0 | 40,900  |
| 48      | 33.3 | 35.1 | 38,600  |
| 50      | 29.0 | 31.7 | 36,600  |

| 62.3 ft |      |      |         |
|---------|------|------|---------|
| ft      | °    | ft   | lb      |
| 15      | 80.3 | 68.3 | 174,900 |
| 16      | 79.3 | 68.1 | 165,500 |
| 17      | 78.4 | 67.8 | 156,100 |
| 18      | 77.4 | 67.6 | 147,800 |
| 19      | 76.5 | 67.4 | 140,200 |
| 20      | 75.5 | 67.1 | 133,400 |
| 22      | 73.6 | 66.5 | 115,900 |
| 24      | 71.7 | 65.9 | 101,400 |
| 26      | 69.7 | 65.2 | 90,000  |
| 28      | 67.8 | 64.4 | 80,800  |
| 30      | 65.8 | 63.5 | 73,200  |
| 32      | 63.7 | 62.5 | 66,900  |
| 34      | 61.6 | 61.4 | 61,500  |
| 36      | 59.5 | 60.3 | 56,800  |
| 38      | 57.3 | 59.0 | 52,800  |
| 40      | 55.1 | 57.6 | 49,200  |
| 42      | 52.8 | 56.1 | 46,100  |
| 44      | 50.4 | 54.5 | 43,300  |
| 46      | 48.0 | 52.7 | 40,800  |
| 48      | 45.4 | 50.8 | 38,500  |
| 50      | 42.7 | 48.7 | 36,500  |
| 55      | 35.3 | 42.4 | 32,100  |
| 60      | 26.1 | 33.7 | 28,600  |

B10

73,000 lb  
+  
23,100 lb

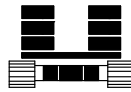
360°

| 72.2 ft |      |      |         |
|---------|------|------|---------|
| ft      | °    | ft   | lb      |
| 16      | 80.8 | 78.1 | 159,100 |
| 17      | 80.0 | 77.9 | 156,300 |
| 18      | 79.2 | 77.7 | 147,900 |
| 19      | 78.4 | 77.5 | 140,400 |
| 20      | 77.6 | 77.3 | 133,600 |
| 22      | 75.9 | 76.8 | 116,200 |
| 24      | 74.3 | 76.2 | 101,700 |
| 26      | 72.6 | 75.6 | 90,300  |
| 28      | 70.9 | 74.9 | 81,100  |
| 30      | 69.2 | 74.2 | 73,500  |
| 32      | 67.5 | 73.3 | 67,200  |
| 34      | 65.8 | 72.5 | 61,800  |
| 36      | 64.0 | 71.5 | 57,100  |
| 38      | 62.2 | 70.5 | 53,100  |
| 40      | 60.4 | 69.3 | 49,600  |
| 42      | 58.6 | 68.1 | 46,400  |
| 44      | 56.7 | 66.8 | 43,600  |
| 46      | 54.7 | 65.4 | 41,100  |
| 48      | 52.7 | 63.9 | 38,900  |
| 50      | 50.7 | 62.3 | 36,800  |
| 55      | 45.3 | 57.7 | 32,400  |
| 60      | 39.3 | 52.1 | 28,900  |
| 65      | 32.5 | 45.0 | 26,000  |
| 70      | 23.9 | 35.5 | 23,500  |

| 82.0 ft |      |      |         |
|---------|------|------|---------|
| ft      | °    | ft   | lb      |
| 18      | 80.5 | 87.7 | 142,800 |
| 19      | 79.8 | 87.5 | 139,900 |
| 20      | 79.1 | 87.3 | 133,300 |
| 22      | 77.6 | 86.9 | 116,200 |
| 24      | 76.2 | 86.4 | 101,600 |
| 26      | 74.8 | 85.9 | 90,200  |
| 28      | 73.3 | 85.3 | 81,000  |
| 30      | 71.8 | 84.6 | 73,400  |
| 32      | 70.4 | 83.9 | 67,000  |
| 34      | 68.9 | 83.2 | 61,600  |
| 36      | 67.3 | 82.3 | 57,000  |
| 38      | 65.8 | 81.4 | 52,900  |
| 40      | 64.3 | 80.5 | 49,400  |
| 42      | 62.7 | 79.5 | 46,300  |
| 44      | 61.1 | 78.4 | 43,500  |
| 46      | 59.5 | 77.2 | 41,000  |
| 48      | 57.8 | 76.0 | 38,700  |
| 50      | 56.2 | 74.6 | 36,600  |
| 55      | 51.8 | 70.9 | 32,300  |
| 60      | 47.2 | 66.6 | 28,700  |
| 65      | 42.2 | 61.4 | 25,800  |
| 70      | 36.6 | 55.2 | 23,300  |
| 75      | 30.2 | 47.5 | 21,200  |
| 80      | 22.1 | 37.0 | 19,400  |

| 91.9 ft |      |      |         |
|---------|------|------|---------|
| ft      | °    | ft   | lb      |
| 19      | 80.9 | 97.5 | 129,300 |
| 20      | 80.3 | 97.4 | 126,900 |
| 22      | 79.0 | 97.0 | 116,100 |
| 24      | 77.7 | 96.5 | 101,600 |
| 26      | 76.4 | 96.1 | 90,200  |
| 28      | 75.1 | 95.5 | 80,900  |
| 30      | 73.8 | 95.0 | 73,300  |
| 32      | 72.5 | 94.3 | 67,000  |
| 34      | 71.2 | 93.7 | 61,600  |
| 36      | 69.9 | 92.9 | 56,900  |
| 38      | 68.6 | 92.2 | 52,900  |
| 40      | 67.2 | 91.3 | 49,400  |
| 42      | 65.8 | 90.4 | 46,200  |
| 44      | 64.5 | 89.5 | 43,400  |
| 46      | 63.1 | 88.5 | 40,900  |
| 48      | 61.6 | 87.4 | 38,700  |
| 50      | 60.2 | 86.3 | 36,600  |
| 55      | 56.5 | 83.1 | 32,200  |
| 60      | 52.7 | 79.5 | 28,700  |
| 65      | 48.6 | 75.4 | 25,800  |
| 70      | 44.3 | 70.5 | 23,300  |
| 75      | 39.6 | 64.9 | 21,200  |
| 80      | 34.3 | 58.1 | 19,400  |
| 85      | 28.2 | 49.7 | 17,800  |
| 90      | 20.5 | 38.4 | 16,400  |

B10



73,000 lb  
+  
23,100 lb



360°

| 101.7 ft |      |       |         |
|----------|------|-------|---------|
| ft       | °    | ft    | lb      |
| 22       | 80.1 | 107.0 | 114,500 |
| 24       | 78.9 | 106.6 | 101,500 |
| 26       | 77.8 | 106.2 | 90,000  |
| 28       | 76.6 | 105.7 | 80,800  |
| 30       | 75.4 | 105.2 | 73,200  |
| 32       | 74.3 | 104.6 | 66,800  |
| 34       | 73.1 | 104.0 | 61,400  |
| 36       | 71.9 | 103.4 | 56,800  |
| 38       | 70.7 | 102.7 | 52,700  |
| 40       | 69.5 | 102.0 | 49,200  |
| 42       | 68.3 | 101.2 | 46,000  |
| 44       | 67.1 | 100.3 | 43,200  |
| 46       | 65.9 | 99.4  | 40,700  |
| 48       | 64.6 | 98.5  | 38,500  |
| 50       | 63.4 | 97.5  | 36,400  |
| 55       | 60.1 | 94.8  | 32,000  |
| 60       | 56.8 | 91.6  | 28,500  |
| 65       | 53.4 | 88.1  | 25,500  |
| 70       | 49.8 | 84.1  | 23,100  |
| 75       | 45.9 | 79.5  | 21,000  |
| 80       | 41.8 | 74.2  | 19,200  |
| 85       | 37.4 | 68.0  | 17,600  |
| 90       | 32.4 | 60.8  | 16,200  |
| 95       | 26.6 | 51.7  | 14,900  |

| 111.5 ft |      |       |         |
|----------|------|-------|---------|
| ft       | °    | ft    | lb      |
| 22       | 81.0 | 117.0 | 105,900 |
| 24       | 79.9 | 116.6 | 101,400 |
| 26       | 78.9 | 116.2 | 89,900  |
| 28       | 77.8 | 115.8 | 80,700  |
| 30       | 76.8 | 115.3 | 73,100  |
| 32       | 75.7 | 114.8 | 66,700  |
| 34       | 74.6 | 114.3 | 61,300  |
| 36       | 73.6 | 113.7 | 56,600  |
| 38       | 72.5 | 113.1 | 52,600  |
| 40       | 71.4 | 112.4 | 49,000  |
| 42       | 70.3 | 111.7 | 45,900  |
| 44       | 69.2 | 111.0 | 43,100  |
| 46       | 68.1 | 110.2 | 40,600  |
| 48       | 67.0 | 109.3 | 38,300  |
| 50       | 65.9 | 108.4 | 36,200  |
| 55       | 63.0 | 106.0 | 31,900  |
| 60       | 60.1 | 103.2 | 28,300  |
| 65       | 57.1 | 100.1 | 25,400  |
| 70       | 53.9 | 96.6  | 22,900  |
| 75       | 50.7 | 92.7  | 20,800  |
| 80       | 47.2 | 88.3  | 19,000  |
| 85       | 43.6 | 83.3  | 17,400  |
| 90       | 39.7 | 77.6  | 16,000  |
| 95       | 35.5 | 71.0  | 14,800  |
| 100      | 30.7 | 63.2  | 13,700  |
| 105      | 25.1 | 53.6  | 12,700  |

| 121.4 ft |      |       |        |
|----------|------|-------|--------|
| ft       | °    | ft    | lb     |
| 24       | 80.7 | 126.6 | 96,100 |
| 26       | 79.8 | 126.3 | 89,800 |
| 28       | 78.8 | 125.9 | 80,500 |
| 30       | 77.9 | 125.5 | 72,900 |
| 32       | 76.9 | 125.0 | 66,500 |
| 34       | 75.9 | 124.5 | 61,100 |
| 36       | 74.9 | 124.0 | 56,400 |
| 38       | 74.0 | 123.4 | 52,400 |
| 40       | 73.0 | 122.8 | 48,800 |
| 42       | 72.0 | 122.1 | 45,700 |
| 44       | 71.0 | 121.5 | 42,900 |
| 46       | 70.0 | 120.7 | 40,400 |
| 48       | 69.0 | 120.0 | 38,100 |
| 50       | 67.9 | 119.2 | 36,000 |
| 55       | 65.4 | 117.0 | 31,700 |
| 60       | 62.7 | 114.5 | 28,100 |
| 65       | 60.0 | 111.7 | 25,200 |
| 70       | 57.3 | 108.6 | 22,700 |
| 75       | 54.4 | 105.2 | 20,600 |
| 80       | 51.4 | 101.4 | 18,800 |
| 85       | 48.3 | 97.1  | 17,200 |
| 90       | 45.1 | 92.3  | 15,800 |
| 95       | 41.6 | 86.9  | 14,500 |
| 100      | 37.9 | 80.8  | 13,400 |
| 105      | 33.8 | 73.8  | 12,400 |
| 110      | 29.2 | 65.6  | 11,500 |
| 115      | 23.9 | 55.4  | 10,700 |

B10

73,000 lb  
+  
23,100 lb

360°

| 131.2 ft |      |       |        |
|----------|------|-------|--------|
| ft       | °    | ft    | lb     |
| 26       | 80.6 | 136.3 | 87,400 |
| 28       | 79.7 | 135.9 | 80,400 |
| 30       | 78.8 | 135.5 | 72,800 |
| 32       | 77.9 | 135.1 | 66,400 |
| 34       | 77.0 | 134.6 | 61,000 |
| 36       | 76.1 | 134.1 | 56,300 |
| 38       | 75.2 | 133.6 | 52,200 |
| 40       | 74.3 | 133.1 | 48,700 |
| 42       | 73.4 | 132.5 | 45,500 |
| 44       | 72.5 | 131.8 | 42,700 |
| 46       | 71.5 | 131.2 | 40,200 |
| 48       | 70.6 | 130.5 | 37,900 |
| 50       | 69.7 | 129.7 | 35,900 |
| 55       | 67.3 | 127.7 | 31,500 |
| 60       | 64.9 | 125.5 | 28,000 |
| 65       | 62.5 | 123.0 | 25,000 |
| 70       | 60.0 | 120.2 | 22,500 |
| 75       | 57.4 | 117.1 | 20,400 |
| 80       | 54.8 | 113.7 | 18,600 |
| 85       | 52.1 | 110.0 | 17,000 |
| 90       | 49.2 | 105.8 | 15,600 |
| 95       | 46.3 | 101.2 | 14,400 |
| 100      | 43.1 | 96.1  | 13,300 |
| 105      | 39.8 | 90.4  | 12,300 |
| 110      | 36.2 | 83.9  | 11,400 |
| 115      | 32.3 | 76.5  | 10,600 |
| 120      | 27.9 | 67.7  | 9,900  |
| 125      | 22.8 | 57.0  | 9,200  |

| 141.1 ft |      |       |        |
|----------|------|-------|--------|
| ft       | °    | ft    | lb     |
| 28       | 80.4 | 145.9 | 77,800 |
| 30       | 79.6 | 145.5 | 72,600 |
| 32       | 78.7 | 145.2 | 66,200 |
| 34       | 77.9 | 144.7 | 60,800 |
| 36       | 77.1 | 144.3 | 56,100 |
| 38       | 76.2 | 143.8 | 52,100 |
| 40       | 75.4 | 143.3 | 48,500 |
| 42       | 74.6 | 142.7 | 45,300 |
| 44       | 73.7 | 142.1 | 42,500 |
| 46       | 72.9 | 141.5 | 40,000 |
| 48       | 72.0 | 140.9 | 37,700 |
| 50       | 71.2 | 140.2 | 35,700 |
| 55       | 69.0 | 138.4 | 31,300 |
| 60       | 66.8 | 136.3 | 27,700 |
| 65       | 64.6 | 134.0 | 24,800 |
| 70       | 62.3 | 131.5 | 22,300 |
| 75       | 60.0 | 128.7 | 20,200 |
| 80       | 57.6 | 125.6 | 18,400 |
| 85       | 55.1 | 122.2 | 16,800 |
| 90       | 52.6 | 118.5 | 15,400 |
| 95       | 50.0 | 114.5 | 14,200 |
| 100      | 47.3 | 110.0 | 13,100 |
| 105      | 44.4 | 105.1 | 12,100 |
| 110      | 41.4 | 99.7  | 11,200 |
| 115      | 38.2 | 93.6  | 10,400 |
| 120      | 34.8 | 86.8  | 9,600  |
| 125      | 31.0 | 79.0  | 8,900  |
| 130      | 26.8 | 69.8  | 8,300  |
| 135      | 21.8 | 58.5  | 7,700  |

| 150.9 ft |      |       |        |
|----------|------|-------|--------|
| ft       | °    | ft    | lb     |
| 30       | 80.3 | 155.6 | 70,700 |
| 32       | 79.5 | 155.2 | 66,000 |
| 34       | 78.7 | 154.8 | 60,600 |
| 36       | 77.9 | 154.4 | 55,900 |
| 38       | 77.2 | 153.9 | 51,900 |
| 40       | 76.4 | 153.4 | 48,300 |
| 42       | 75.6 | 152.9 | 45,100 |
| 44       | 74.8 | 152.4 | 42,300 |
| 46       | 74.0 | 151.8 | 39,800 |
| 48       | 73.2 | 151.2 | 37,500 |
| 50       | 72.4 | 150.6 | 35,500 |
| 55       | 70.4 | 148.9 | 31,100 |
| 60       | 68.4 | 147.0 | 27,500 |
| 65       | 66.3 | 144.9 | 24,600 |
| 70       | 64.2 | 142.5 | 22,100 |
| 75       | 62.1 | 140.0 | 20,000 |
| 80       | 59.9 | 137.2 | 18,200 |
| 85       | 57.7 | 134.1 | 16,600 |
| 90       | 55.4 | 130.8 | 15,200 |
| 95       | 53.1 | 127.1 | 14,000 |
| 100      | 50.6 | 123.1 | 12,900 |
| 105      | 48.1 | 118.8 | 11,900 |
| 110      | 45.5 | 114.1 | 11,000 |
| 115      | 42.8 | 108.9 | 10,200 |
| 120      | 39.9 | 103.1 | 9,400  |
| 125      | 36.8 | 96.7  | 8,700  |
| 130      | 33.5 | 89.5  | 8,100  |
| 135      | 29.8 | 81.3  | 7,500  |
| 140      | 25.7 | 71.7  | 7,000  |
| 145      | 20.9 | 59.9  | 6,500  |

B10



73,000 lb  
+  
23,100 lb



360°

| 160.8 ft |      |       |        |
|----------|------|-------|--------|
| ft       | °    | ft    | lb     |
| 30       | 80.9 | 165.5 | 62,900 |
| 32       | 80.1 | 165.2 | 61,900 |
| 34       | 79.4 | 164.8 | 60,400 |
| 36       | 78.7 | 164.4 | 55,800 |
| 38       | 78.0 | 164.0 | 51,700 |
| 40       | 77.2 | 163.6 | 48,100 |
| 42       | 76.5 | 163.1 | 44,900 |
| 44       | 75.8 | 162.6 | 42,100 |
| 46       | 75.0 | 162.0 | 39,600 |
| 48       | 74.3 | 161.5 | 37,300 |
| 50       | 73.5 | 160.9 | 35,300 |
| 55       | 71.7 | 159.3 | 30,900 |
| 60       | 69.8 | 157.5 | 27,300 |
| 65       | 67.9 | 155.6 | 24,400 |
| 70       | 65.9 | 153.4 | 21,900 |
| 75       | 63.9 | 151.0 | 19,800 |
| 80       | 61.9 | 148.4 | 17,900 |
| 85       | 59.9 | 145.6 | 16,400 |
| 90       | 57.8 | 142.6 | 15,000 |
| 95       | 55.7 | 139.3 | 13,700 |
| 100      | 53.5 | 135.7 | 12,600 |
| 105      | 51.2 | 131.8 | 11,600 |
| 110      | 48.9 | 127.5 | 10,700 |
| 115      | 46.5 | 122.9 | 9,900  |
| 120      | 43.9 | 117.9 | 9,200  |
| 125      | 41.3 | 112.4 | 8,500  |
| 130      | 38.5 | 106.4 | 7,900  |
| 135      | 35.5 | 99.7  | 7,300  |
| 140      | 32.3 | 92.2  | 6,800  |
| 145      | 28.8 | 83.6  | 6,300  |
| 150      | 24.8 | 73.6  | 5,800  |
| 155      | 20.0 | 61.3  | 5,100  |

| 170.6 ft |      |       |        |
|----------|------|-------|--------|
| ft       | °    | ft    | lb     |
| 32       | 80.7 | 175.2 | 53,200 |
| 34       | 80.0 | 174.8 | 52,400 |
| 36       | 79.3 | 174.5 | 51,700 |
| 38       | 78.7 | 174.1 | 51,000 |
| 40       | 78.0 | 173.6 | 47,900 |
| 42       | 77.3 | 173.2 | 44,800 |
| 44       | 76.6 | 172.7 | 41,900 |
| 46       | 75.9 | 172.2 | 39,400 |
| 48       | 75.2 | 171.7 | 37,100 |
| 50       | 74.5 | 171.1 | 35,100 |
| 55       | 72.8 | 169.7 | 30,700 |
| 60       | 71.0 | 168.0 | 27,100 |
| 65       | 69.2 | 166.2 | 24,200 |
| 70       | 67.4 | 164.1 | 21,700 |
| 75       | 65.6 | 161.9 | 19,600 |
| 80       | 63.7 | 159.5 | 17,800 |
| 85       | 61.8 | 156.9 | 16,200 |
| 90       | 59.9 | 154.1 | 14,800 |
| 95       | 57.9 | 151.1 | 13,500 |
| 100      | 55.9 | 147.8 | 12,400 |
| 105      | 53.8 | 144.2 | 11,500 |
| 110      | 51.7 | 140.4 | 10,600 |
| 115      | 49.5 | 136.2 | 9,700  |
| 120      | 47.3 | 131.8 | 9,000  |
| 125      | 44.9 | 126.9 | 8,300  |
| 130      | 42.5 | 121.6 | 7,700  |
| 135      | 39.9 | 115.9 | 7,100  |
| 140      | 37.2 | 109.5 | 6,600  |
| 145      | 34.3 | 102.5 | 6,100  |
| 150      | 31.2 | 94.7  | 5,600  |
| 155      | 27.8 | 85.8  | 5,200  |
| 160      | 23.9 | 75.3  | 4,800  |

| 180.4 ft |      |       |        |
|----------|------|-------|--------|
| ft       | °    | ft    | lb     |
| 34       | 80.6 | 184.8 | 46,000 |
| 36       | 79.9 | 184.5 | 45,400 |
| 38       | 79.3 | 184.1 | 44,700 |
| 40       | 78.6 | 183.7 | 44,100 |
| 42       | 78.0 | 183.3 | 43,200 |
| 44       | 77.3 | 182.8 | 41,700 |
| 46       | 76.7 | 182.4 | 39,200 |
| 48       | 76.0 | 181.9 | 36,900 |
| 50       | 75.4 | 181.3 | 34,900 |
| 55       | 73.7 | 179.9 | 30,500 |
| 60       | 72.1 | 178.4 | 26,900 |
| 65       | 70.4 | 176.7 | 23,900 |
| 70       | 68.7 | 174.8 | 21,500 |
| 75       | 67.0 | 172.7 | 19,400 |
| 80       | 65.2 | 170.5 | 17,500 |
| 85       | 63.5 | 168.0 | 15,900 |
| 90       | 61.7 | 165.4 | 14,500 |
| 95       | 59.9 | 162.6 | 13,300 |
| 100      | 58.0 | 159.5 | 12,200 |
| 105      | 56.1 | 156.3 | 11,200 |
| 110      | 54.2 | 152.8 | 10,300 |
| 115      | 52.2 | 149.0 | 9,500  |
| 120      | 50.1 | 144.9 | 8,800  |
| 125      | 48.0 | 140.5 | 8,100  |
| 130      | 45.8 | 135.8 | 7,400  |
| 135      | 43.6 | 130.7 | 6,900  |
| 140      | 41.2 | 125.2 | 6,300  |
| 145      | 38.7 | 119.2 | 5,800  |
| 150      | 36.1 | 112.6 | 5,400  |
| 155      | 33.3 | 105.3 | 4,900  |
| 160      | 30.2 | 97.1  | 4,500  |
| 165      | 26.9 | 87.8  | 4,100  |



B10

73,000 lb  
+  
23,100 lb



| 190.3 ft |      |       |        |
|----------|------|-------|--------|
| ft       | °    | ft    | lb     |
| 36       | 80.5 | 194.5 | 43,500 |
| 38       | 79.8 | 194.1 | 43,000 |
| 40       | 79.2 | 193.7 | 42,500 |
| 42       | 78.6 | 193.3 | 42,000 |
| 44       | 78.0 | 192.9 | 41,500 |
| 46       | 77.4 | 192.5 | 39,000 |
| 48       | 76.8 | 192.0 | 36,700 |
| 50       | 76.2 | 191.5 | 34,600 |
| 55       | 74.6 | 190.2 | 30,200 |
| 60       | 73.0 | 188.7 | 26,600 |
| 65       | 71.4 | 187.1 | 23,700 |
| 70       | 69.8 | 185.3 | 21,200 |
| 75       | 68.2 | 183.4 | 19,100 |
| 80       | 66.6 | 181.3 | 17,300 |
| 85       | 64.9 | 179.0 | 15,700 |
| 90       | 63.3 | 176.5 | 14,300 |
| 95       | 61.6 | 173.9 | 13,000 |
| 100      | 59.8 | 171.1 | 11,900 |
| 105      | 58.1 | 168.0 | 10,900 |
| 110      | 56.3 | 164.8 | 10,000 |
| 115      | 54.4 | 161.3 | 9,200  |
| 120      | 52.6 | 157.6 | 8,500  |
| 125      | 50.6 | 153.6 | 7,800  |
| 130      | 48.6 | 149.3 | 7,200  |
| 135      | 46.6 | 144.7 | 6,600  |
| 140      | 44.5 | 139.7 | 6,100  |
| 145      | 42.3 | 134.4 | 5,600  |
| 150      | 40.0 | 128.6 | 5,100  |
| 155      | 37.6 | 122.3 | 4,700  |
| 160      | 35.0 | 115.5 | 4,300  |
| 165      | 32.3 | 107.9 | 3,900  |

| 200.1 ft |      |       |        |
|----------|------|-------|--------|
| ft       | °    | ft    | lb     |
| 36       | 80.9 | 204.5 | 38,800 |
| 38       | 80.4 | 204.1 | 38,300 |
| 40       | 79.8 | 203.8 | 37,800 |
| 42       | 79.2 | 203.4 | 37,400 |
| 44       | 78.6 | 203.0 | 36,900 |
| 46       | 78.0 | 202.6 | 36,400 |
| 48       | 77.4 | 202.1 | 36,000 |
| 50       | 76.8 | 201.6 | 34,400 |
| 55       | 75.4 | 200.4 | 29,900 |
| 60       | 73.9 | 199.0 | 26,400 |
| 65       | 72.4 | 197.5 | 23,400 |
| 70       | 70.9 | 195.8 | 20,900 |
| 75       | 69.4 | 193.9 | 18,800 |
| 80       | 67.8 | 192.0 | 17,000 |
| 85       | 66.3 | 189.8 | 15,400 |
| 90       | 64.7 | 187.5 | 14,000 |
| 95       | 63.1 | 185.0 | 12,700 |
| 100      | 61.5 | 182.4 | 11,600 |
| 105      | 59.8 | 179.5 | 10,600 |
| 110      | 58.1 | 176.5 | 9,700  |
| 115      | 56.4 | 173.3 | 8,900  |
| 120      | 54.7 | 169.8 | 8,200  |
| 125      | 52.9 | 166.1 | 7,500  |
| 130      | 51.1 | 162.2 | 6,900  |
| 135      | 49.2 | 158.0 | 6,300  |
| 140      | 47.3 | 153.5 | 5,800  |
| 145      | 45.3 | 148.7 | 5,300  |
| 150      | 43.3 | 143.5 | 4,800  |
| 155      | 41.1 | 137.9 | 4,400  |
| 160      | 38.9 | 131.9 | 4,000  |