


Liftcrane Boom Capacities

Boom No. B10:500

298,100 lb VPC (Variable Position Counterweight)

360 Degree Rating

MLC300 SERIES 1

 **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 6 is 30,000 lb or 60,000 lb with two part whip line. When Drum 2 or Drum 3 is used, capacity with single part whip line is 36,700 lb or 73,500 lb with two part whip line. 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 and jib 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: Capacities indicated by (b) require 5,000 lb minimum weight. **Caution: Do not operate in areas indicated by (b) without required minimum weight.** *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. 81023380**, Wire Rope Specifications chart **No. 9341-A**, Counterweight Arrangements chart **No. 9345-A**, and Wind Conditions chart **No. 9344-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. 9342-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 31 ft 10 in. crawlers, 48 in. or 60 in. treads, 30 ft live mast, 24 part boom hoist reeving, boom support straps, and 298,100 lb VPC.

Consult chart **No. 9454-A** when Jib No. 148 is attached.

| Luffing Jib Backstay Deduct | |
|------------------------------------|-------------|
| Boom Length (ft) | Deduct (lb) |
| 98.4 | 2,900 |
| 118.1 | 3,500 |
| 137.8 | 4,100 |
| 157.5 | 4,600 |
| 177.2 | 5,200 |
| 196.9 | 5,800 |
| 216.5 | 6,400 |
| 236.2 | 6,900 |
| 255.9 | 7,500 |
| 275.6 | 8,100 |

Deduct the appropriate value from capacities when luffing jib backstays are stored on boom.

| Deduct From Capacities When Jib No. 148 Is Attached | |
|--|-------------|
| Jib Length (ft) | Deduct (lb) |
| 39.4 | 19,900 |
| 59.1 | 30,300 |
| 78.7 | 39,700 |
| 98.4 | 48,700 |
| 118.1 | 61,100 |
| 137.8 | 68,800 |

Weight of jib and 6,500 lb suspended beneath jib point have been included in determination of deduct.

REFERENCE ONLY!

Refer to Table 1 (with luffing jib backstays stored) and Table 2 (without luffing jib backstays stored) 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 1a: With Luffing Jib Backstays

| Over End or Side of Crawlers | |
|------------------------------|------------------------------|
| Boom Length (ft) | Block Weight (lb) |
| 98.4 | 22,900 |
| 118.1 | 22,900 |
| 137.8 | 22,900 |
| 157.5 | 22,900 |
| 177.2 | 22,900 |
| 196.9 | 15,800 |
| 216.5 | 8,300 |
| 236.2 | # |
| 255.9 | # |
| 275.6 | |
| 295.3 | Raising Not Permitted |

Table 1b: With Luffing Jib Backstays

| Over End of Blocked Crawlers | |
|------------------------------|------------------------------|
| Boom Length (ft) | Block Weight (lb) |
| 98.4 | 22,900 |
| 118.1 | 22,900 |
| 137.8 | 22,900 |
| 157.5 | 22,900 |
| 177.2 | 22,900 |
| 196.9 | 15,800 |
| 216.5 | 8,300 |
| 236.2 | # |
| 255.9 | # |
| 275.6 | # |
| 295.3 | Raising Not Permitted |

Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. *Crane tipping or structural damage can occur.*

Table 2a: Without Luffing Jib Backstays


| Over End or Side of Crawlers | |
|------------------------------|------------------------------|
| Boom Length (ft) | Block Weight (lb) |
| 98.4 | 22,900 |
| 118.1 | 22,900 |
| 137.8 | 22,900 |
| 157.5 | 22,900 |
| 177.2 | 22,900 |
| 196.9 | 22,900 |
| 216.5 | 15,800 |
| 236.2 | 8,300 |
| 255.9 | # |
| 275.6 | Raising Not Permitted |
| 295.3 | |


Table 2b: Without Luffing Jib Backstays

| Over End of Blocked Crawlers | |
|------------------------------|-------------------|
| Boom Length (ft) | Block Weight (lb) |
| 98.4 | 22,900 |
| 118.1 | 22,900 |
| 137.8 | 22,900 |
| 157.5 | 22,900 |
| 177.2 | 22,900 |
| 196.9 | 22,900 |
| 216.5 | 15,800 |
| 236.2 | 8,300 |
| 255.9 | # |
| 275.6 | # |
| 295.3 | # |

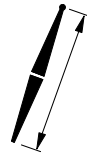
Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. Crane tipping or structural damage can occur.


Explanation of Symbols


B10  Boom No. B10:500

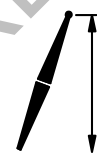
 VPC (Variable Position Counterweight)


 360° 360 Degree Rating

 Boom Length

 Operating Radius
(see page 1)

 Boom Angle
(see page 1)

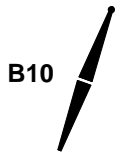
 Boom Point Elevation
(see page 1)

 Lifting Capacities
(see page 1)

REFERENCE ONLY!

MLC300 S-1

ASME B30.5



98.4 ft

| ft | ° | ft | lb |
|-----|------|-------|-----------|
| 18 | 84.5 | 104.8 | 661,400 b |
| 19 | 83.9 | 104.6 | 661,400 b |
| 20 | 83.3 | 104.5 | 661,400 b |
| 21 | 82.7 | 104.3 | 648,700 b |
| 22 | 82.1 | 104.2 | 626,300 b |
| 24 | 80.9 | 103.8 | 585,600 |
| 26 | 79.8 | 103.4 | 540,600 |
| 28 | 78.6 | 102.9 | 474,200 |
| 30 | 77.4 | 102.4 | 422,100 |
| 32 | 76.2 | 101.9 | 380,100 |
| 34 | 74.9 | 101.3 | 345,600 |
| 36 | 73.7 | 100.6 | 316,700 |
| 38 | 72.5 | 99.9 | 292,200 |
| 40 | 71.3 | 99.2 | 271,100 |
| 45 | 68.1 | 97.1 | 229,400 |
| 50 | 64.9 | 94.8 | 198,500 |
| 55 | 61.6 | 92.0 | 174,800 |
| 60 | 58.1 | 88.8 | 155,900 |
| 65 | 54.5 | 85.2 | 140,500 |
| 70 | 50.8 | 81.1 | 127,800 |
| 75 | 46.8 | 76.4 | 117,000 |
| 80 | 42.5 | 71.0 | 107,900 |
| 85 | 37.7 | 64.6 | 99,900 |
| 90 | 32.4 | 56.9 | 93,000 |
| 95 | 26.0 | 47.1 | 86,900 |
| 100 | 17.4 | 33.1 | 81,500 |

118.1 ft

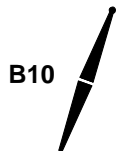
| ft | ° | ft | lb |
|-----|------|-------|-----------|
| 19 | 84.9 | 124.5 | 649,700 b |
| 20 | 84.4 | 124.4 | 646,400 b |
| 21 | 83.9 | 124.2 | 631,200 |
| 22 | 83.5 | 124.1 | 610,200 |
| 24 | 82.5 | 123.8 | 571,900 |
| 26 | 81.5 | 123.4 | 538,000 |
| 28 | 80.5 | 123.0 | 479,700 |
| 30 | 79.5 | 122.6 | 427,100 |
| 32 | 78.5 | 122.2 | 384,700 |
| 34 | 77.5 | 121.7 | 349,900 |
| 36 | 76.5 | 121.2 | 320,700 |
| 38 | 75.5 | 120.6 | 296,000 |
| 40 | 74.5 | 120.0 | 274,700 |
| 45 | 71.9 | 118.3 | 232,600 |
| 50 | 69.3 | 116.4 | 201,400 |
| 55 | 66.7 | 114.2 | 177,300 |
| 60 | 64.0 | 111.7 | 158,300 |
| 65 | 61.2 | 108.9 | 142,800 |
| 70 | 58.3 | 105.8 | 129,900 |
| 75 | 55.4 | 102.3 | 119,100 |
| 80 | 52.3 | 98.5 | 109,800 |
| 85 | 49.1 | 94.1 | 101,800 |
| 90 | 45.7 | 89.2 | 94,800 |
| 95 | 42.1 | 83.7 | 88,700 |
| 100 | 38.2 | 77.4 | 83,200 |
| 105 | 33.9 | 70.1 | 78,300 |
| 110 | 29.0 | 61.3 | 73,000 |
| 115 | 23.1 | 50.3 | 67,800 |

137.8 ft

| ft | ° | ft | lb |
|-----|------|-------|---------|
| 21 | 84.8 | 144.1 | 590,500 |
| 22 | 84.4 | 143.9 | 587,600 |
| 24 | 83.6 | 143.7 | 555,000 |
| 26 | 82.7 | 143.4 | 523,300 |
| 28 | 81.9 | 143.1 | 482,900 |
| 30 | 81.0 | 142.7 | 429,900 |
| 32 | 80.2 | 142.3 | 387,200 |
| 34 | 79.3 | 141.9 | 352,200 |
| 36 | 78.5 | 141.5 | 322,800 |
| 38 | 77.6 | 141.0 | 297,800 |
| 40 | 76.8 | 140.5 | 276,400 |
| 45 | 74.6 | 139.1 | 234,000 |
| 50 | 72.4 | 137.4 | 202,600 |
| 55 | 70.2 | 135.6 | 178,400 |
| 60 | 68.0 | 133.5 | 159,200 |
| 65 | 65.7 | 131.2 | 143,600 |
| 70 | 63.3 | 128.7 | 130,600 |
| 75 | 61.0 | 125.9 | 119,700 |
| 80 | 58.5 | 122.8 | 110,400 |
| 85 | 56.0 | 119.4 | 102,300 |
| 90 | 53.4 | 115.7 | 95,300 |
| 95 | 50.7 | 111.5 | 89,100 |
| 100 | 47.9 | 107.0 | 83,600 |
| 105 | 45.0 | 102.0 | 78,300 |
| 110 | 41.9 | 96.4 | 72,800 |
| 115 | 38.5 | 90.2 | 67,700 |
| 120 | 34.9 | 83.1 | 63,200 |
| 125 | 31.0 | 75.0 | 59,000 |
| 130 | 26.4 | 65.2 | 55,100 |
| 135 | 20.9 | 53.0 | 51,500 |

MLC300 S-1

ASME B30.5



157.5 ft

| ft | ° | ft | lb |
|-----|------|-------|---------|
| 24 | 84.4 | 163.5 | 536,900 |
| 26 | 83.6 | 163.3 | 507,900 |
| 28 | 82.9 | 163.0 | 481,400 |
| 30 | 82.2 | 162.7 | 433,800 |
| 32 | 81.4 | 162.3 | 390,700 |
| 34 | 80.7 | 162.0 | 355,300 |
| 36 | 79.9 | 161.6 | 325,600 |
| 38 | 79.2 | 161.2 | 300,400 |
| 40 | 78.5 | 160.7 | 278,800 |
| 45 | 76.6 | 159.5 | 236,000 |
| 50 | 74.7 | 158.1 | 204,300 |
| 55 | 72.8 | 156.5 | 179,800 |
| 60 | 70.9 | 154.8 | 160,500 |
| 65 | 68.9 | 152.8 | 144,700 |
| 70 | 66.9 | 150.6 | 131,600 |
| 75 | 64.9 | 148.3 | 120,600 |
| 80 | 62.9 | 145.7 | 111,200 |
| 85 | 60.8 | 142.8 | 103,100 |
| 90 | 58.6 | 139.8 | 96,000 |
| 95 | 56.4 | 136.4 | 89,700 |
| 100 | 54.2 | 132.8 | 83,500 |
| 105 | 51.9 | 128.9 | 77,400 |
| 110 | 49.5 | 124.6 | 71,900 |
| 115 | 47.0 | 119.9 | 66,900 |
| 120 | 44.4 | 114.8 | 62,300 |
| 125 | 41.7 | 109.2 | 58,100 |
| 130 | 38.8 | 103.0 | 54,300 |
| 135 | 35.7 | 96.1 | 50,800 |
| 140 | 32.3 | 88.3 | 47,500 |
| 145 | 28.6 | 79.3 | 44,500 |
| 150 | 24.3 | 68.7 | 41,600 |
| 155 | 19.1 | 55.2 | 38,900 |

177.2 ft

| ft | ° | ft | lb |
|-----|------|-------|---------|
| 24 | 85.0 | 183.3 | 491,000 |
| 26 | 84.3 | 183.1 | 486,800 |
| 28 | 83.7 | 182.8 | 467,000 |
| 30 | 83.0 | 182.6 | 437,600 |
| 32 | 82.4 | 182.3 | 394,300 |
| 34 | 81.7 | 182.0 | 358,700 |
| 36 | 81.1 | 181.6 | 328,800 |
| 38 | 80.4 | 181.2 | 303,500 |
| 40 | 79.8 | 180.9 | 281,700 |
| 45 | 78.1 | 179.8 | 238,600 |
| 50 | 76.4 | 178.5 | 206,700 |
| 55 | 74.8 | 177.1 | 182,100 |
| 60 | 73.1 | 175.6 | 162,600 |
| 65 | 71.4 | 173.9 | 146,700 |
| 70 | 69.6 | 172.0 | 133,600 |
| 75 | 67.9 | 169.9 | 122,500 |
| 80 | 66.1 | 167.7 | 113,000 |
| 85 | 64.3 | 165.3 | 104,900 |
| 90 | 62.5 | 162.6 | 97,700 |
| 95 | 60.6 | 159.8 | 90,200 |
| 100 | 58.7 | 156.7 | 83,400 |
| 105 | 56.8 | 153.4 | 77,200 |
| 110 | 54.8 | 149.9 | 71,700 |
| 115 | 52.8 | 146.1 | 66,700 |
| 120 | 50.7 | 142.0 | 62,200 |
| 125 | 48.5 | 137.5 | 58,000 |
| 130 | 46.3 | 132.7 | 54,200 |
| 135 | 44.0 | 127.6 | 50,700 |
| 140 | 41.5 | 121.9 | 47,500 |
| 145 | 39.0 | 115.8 | 44,500 |
| 150 | 36.2 | 109.0 | 41,700 |
| 155 | 33.3 | 101.5 | 39,100 |
| 160 | 30.1 | 93.0 | 36,600 |
| 165 | 26.6 | 83.3 | 34,300 |
| 170 | 22.5 | 71.8 | 32,100 |
| 175 | 17.5 | 57.1 | 30,000 |

196.9 ft

| ft | ° | ft | lb |
|-----|------|-------|---------|
| 26 | 84.9 | 202.9 | 424,000 |
| 28 | 84.3 | 202.7 | 420,800 |
| 30 | 83.7 | 202.4 | 410,900 |
| 32 | 83.2 | 202.2 | 398,300 |
| 34 | 82.6 | 201.9 | 362,400 |
| 36 | 82.0 | 201.6 | 332,200 |
| 38 | 81.4 | 201.2 | 306,700 |
| 40 | 80.8 | 200.9 | 284,700 |
| 45 | 79.3 | 199.9 | 241,200 |
| 50 | 77.8 | 198.8 | 208,900 |
| 55 | 76.3 | 197.6 | 184,100 |
| 60 | 74.8 | 196.2 | 164,400 |
| 65 | 73.3 | 194.7 | 148,400 |
| 70 | 71.8 | 193.0 | 135,100 |
| 75 | 70.2 | 191.2 | 124,000 |
| 80 | 68.6 | 189.2 | 114,400 |
| 85 | 67.1 | 187.0 | 105,400 |
| 90 | 65.5 | 184.7 | 96,600 |
| 95 | 63.8 | 182.3 | 88,800 |
| 100 | 62.2 | 179.6 | 82,000 |
| 105 | 60.5 | 176.7 | 75,800 |
| 110 | 58.8 | 173.7 | 70,300 |
| 115 | 57.1 | 170.4 | 65,300 |
| 120 | 55.3 | 167.0 | 60,700 |
| 125 | 53.5 | 163.2 | 56,600 |
| 130 | 51.6 | 159.3 | 52,800 |
| 135 | 49.7 | 155.0 | 49,300 |
| 140 | 47.7 | 150.5 | 46,100 |
| 145 | 45.7 | 145.6 | 43,100 |
| 150 | 43.6 | 140.3 | 40,300 |
| 155 | 41.4 | 134.7 | 37,700 |
| 160 | 39.1 | 128.5 | 35,300 |
| 165 | 36.7 | 121.9 | 33,000 |
| 170 | 34.1 | 114.6 | 30,800 |
| 175 | 31.3 | 106.5 | 28,800 |
| 180 | 28.3 | 97.4 | 26,900 |
| 185 | 24.9 | 86.9 | 25,100 |
| 190 | 21.0 | 74.5 | 23,400 |
| 195 | 16.2 | 58.7 | 21,700 |

MLC300 S-1

ASME B30.5



216.5 ft

| ft | ° | ft | lb |
|-----|------|-------|---------|
| 28 | 84.8 | 222.5 | 373,400 |
| 30 | 84.3 | 222.3 | 366,500 |
| 32 | 83.8 | 222.0 | 357,400 |
| 34 | 83.2 | 221.8 | 348,600 |
| 36 | 82.7 | 221.5 | 334,400 |
| 38 | 82.2 | 221.2 | 308,700 |
| 40 | 81.6 | 220.9 | 286,600 |
| 45 | 80.3 | 220.0 | 242,800 |
| 50 | 78.9 | 219.0 | 210,400 |
| 55 | 77.6 | 217.9 | 185,500 |
| 60 | 76.2 | 216.6 | 165,700 |
| 65 | 74.9 | 215.2 | 149,500 |
| 70 | 73.5 | 213.7 | 136,200 |
| 75 | 72.1 | 212.1 | 124,900 |
| 80 | 70.7 | 210.3 | 115,100 |
| 85 | 69.3 | 208.4 | 105,000 |
| 90 | 67.8 | 206.3 | 96,200 |
| 95 | 66.4 | 204.1 | 88,400 |
| 100 | 64.9 | 201.8 | 81,500 |
| 105 | 63.4 | 199.2 | 75,400 |
| 110 | 61.9 | 196.6 | 69,900 |
| 115 | 60.4 | 193.7 | 64,900 |
| 120 | 58.9 | 190.7 | 60,300 |
| 125 | 57.3 | 187.4 | 56,200 |
| 130 | 55.7 | 184.0 | 52,400 |
| 135 | 54.0 | 180.4 | 48,900 |
| 140 | 52.4 | 176.5 | 45,600 |
| 145 | 50.7 | 172.4 | 42,700 |
| 150 | 48.9 | 168.0 | 39,900 |
| 155 | 47.1 | 163.4 | 37,300 |
| 160 | 45.2 | 158.4 | 34,900 |
| 165 | 43.3 | 153.1 | 32,600 |
| 170 | 41.3 | 147.4 | 30,500 |
| 175 | 39.2 | 141.3 | 28,500 |
| 180 | 37.0 | 134.7 | 26,600 |
| 185 | 34.7 | 127.6 | 24,800 |
| 190 | 32.3 | 119.7 | 23,100 |
| 195 | 29.6 | 111.1 | 21,500 |
| 200 | 26.7 | 101.4 | 20,000 |
| 205 | 23.5 | 90.2 | 18,500 |
| 210 | 19.7 | 77.0 | 17,100 |
| 215 | 15.1 | 60.1 | 15,700 |

236.2 ft

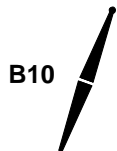
| ft | ° | ft | lb |
|-----|------|-------|---------|
| 30 | 84.8 | 242.1 | 308,900 |
| 32 | 84.3 | 241.8 | 307,700 |
| 34 | 83.8 | 241.6 | 306,500 |
| 36 | 83.3 | 241.3 | 302,800 |
| 38 | 82.8 | 241.1 | 295,800 |
| 40 | 82.3 | 240.8 | 289,000 |
| 45 | 81.1 | 240.0 | 245,300 |
| 50 | 79.9 | 239.1 | 212,500 |
| 55 | 78.6 | 238.0 | 187,400 |
| 60 | 77.4 | 236.9 | 167,400 |
| 65 | 76.1 | 235.6 | 151,100 |
| 70 | 74.9 | 234.3 | 137,600 |
| 75 | 73.6 | 232.8 | 125,200 |
| 80 | 72.4 | 231.2 | 113,500 |
| 85 | 71.1 | 229.4 | 103,400 |
| 90 | 69.8 | 227.6 | 94,600 |
| 95 | 68.5 | 225.6 | 86,800 |
| 100 | 67.2 | 223.5 | 79,900 |
| 105 | 65.8 | 221.2 | 73,700 |
| 110 | 64.5 | 218.8 | 68,200 |
| 115 | 63.1 | 216.2 | 63,200 |
| 120 | 61.7 | 213.5 | 58,600 |
| 125 | 60.3 | 210.6 | 54,500 |
| 130 | 58.9 | 207.6 | 50,700 |
| 135 | 57.5 | 204.4 | 47,200 |
| 140 | 56.0 | 201.0 | 43,900 |
| 145 | 54.5 | 197.4 | 40,900 |
| 150 | 53.0 | 193.7 | 38,100 |
| 155 | 51.4 | 189.7 | 35,600 |
| 160 | 49.9 | 185.4 | 33,100 |
| 165 | 48.2 | 181.0 | 30,900 |
| 170 | 46.6 | 176.2 | 28,800 |
| 175 | 44.8 | 171.2 | 26,800 |
| 180 | 43.1 | 165.9 | 24,900 |
| 185 | 41.2 | 160.2 | 23,100 |
| 190 | 39.3 | 154.1 | 21,400 |
| 195 | 37.3 | 147.5 | 19,800 |
| 200 | 35.2 | 140.5 | 18,300 |
| 205 | 33.0 | 132.9 | 16,900 |
| 210 | 30.7 | 124.6 | 15,500 |
| 215 | 28.1 | 115.4 | 14,200 |
| 220 | 25.3 | 105.1 | 12,900 |
| 225 | 22.2 | 93.2 | 11,700 |
| 230 | 18.6 | 79.2 | 10,500 |

255.9 ft

| ft | ° | ft | lb |
|-----|------|-------|---------|
| 32 | 84.7 | 261.6 | 256,400 |
| 34 | 84.3 | 261.4 | 255,300 |
| 36 | 83.8 | 261.2 | 254,300 |
| 38 | 83.4 | 260.9 | 253,300 |
| 40 | 82.9 | 260.7 | 252,300 |
| 45 | 81.8 | 259.9 | 247,100 |
| 50 | 80.7 | 259.1 | 214,200 |
| 55 | 79.5 | 258.1 | 188,800 |
| 60 | 78.4 | 257.1 | 168,700 |
| 65 | 77.2 | 255.9 | 152,300 |
| 70 | 76.1 | 254.7 | 138,400 |
| 75 | 74.9 | 253.3 | 124,700 |
| 80 | 73.8 | 251.8 | 112,900 |
| 85 | 72.6 | 250.3 | 102,800 |
| 90 | 71.4 | 248.5 | 93,900 |
| 95 | 70.2 | 246.7 | 86,100 |
| 100 | 69.0 | 244.8 | 79,200 |
| 105 | 67.8 | 242.7 | 73,000 |
| 110 | 66.6 | 240.5 | 67,500 |
| 115 | 65.3 | 238.2 | 62,500 |
| 120 | 64.1 | 235.8 | 57,900 |
| 125 | 62.8 | 233.2 | 53,700 |
| 130 | 61.6 | 230.5 | 49,900 |
| 135 | 60.3 | 227.6 | 46,400 |
| 140 | 59.0 | 224.6 | 43,200 |
| 145 | 57.6 | 221.4 | 40,200 |
| 150 | 56.3 | 218.0 | 37,400 |
| 155 | 54.9 | 214.5 | 34,800 |
| 160 | 53.5 | 210.8 | 32,400 |
| 165 | 52.1 | 206.9 | 30,100 |
| 170 | 50.7 | 202.8 | 28,000 |
| 175 | 49.2 | 198.5 | 26,000 |
| 180 | 47.7 | 193.9 | 24,100 |
| 185 | 46.1 | 189.1 | 22,400 |
| 190 | 44.5 | 184.0 | 20,700 |
| 195 | 42.9 | 178.6 | 19,100 |
| 200 | 41.2 | 172.9 | 17,600 |
| 205 | 39.4 | 166.8 | 16,200 |
| 210 | 37.6 | 160.4 | 14,800 |
| 215 | 35.7 | 153.4 | 13,500 |
| 220 | 33.6 | 146.0 | 12,300 |
| 225 | 31.5 | 137.9 | 11,100 |

MLC300 S-1

ASME B30.5



| 275.6 ft | | | |
|----------|------|-------|---------|
| ft | ° | ft | lb |
| 34 | 84.7 | 281.2 | 216,000 |
| 36 | 84.3 | 281.0 | 215,100 |
| 38 | 83.9 | 280.8 | 214,200 |
| 40 | 83.4 | 280.5 | 213,300 |
| 45 | 82.4 | 279.8 | 211,000 |
| 50 | 81.3 | 279.1 | 208,800 |
| 55 | 80.3 | 278.2 | 190,600 |
| 60 | 79.2 | 277.2 | 170,300 |
| 65 | 78.2 | 276.1 | 153,300 |
| 70 | 77.1 | 275.0 | 136,900 |
| 75 | 76.0 | 273.7 | 123,100 |
| 80 | 74.9 | 272.4 | 111,400 |
| 85 | 73.9 | 270.9 | 101,200 |
| 90 | 72.8 | 269.3 | 92,300 |
| 95 | 71.7 | 267.7 | 84,500 |
| 100 | 70.6 | 265.9 | 77,600 |
| 105 | 69.5 | 264.0 | 71,400 |
| 110 | 68.3 | 262.0 | 65,800 |
| 115 | 67.2 | 259.9 | 60,800 |
| 120 | 66.1 | 257.6 | 56,200 |
| 125 | 64.9 | 255.3 | 52,000 |
| 130 | 63.8 | 252.8 | 48,200 |
| 135 | 62.6 | 250.2 | 44,700 |
| 140 | 61.4 | 247.4 | 41,400 |
| 145 | 60.2 | 244.6 | 38,400 |
| 150 | 59.0 | 241.5 | 35,700 |
| 155 | 57.8 | 238.4 | 33,100 |
| 160 | 56.5 | 235.0 | 30,600 |
| 165 | 55.3 | 231.6 | 28,400 |
| 170 | 54.0 | 227.9 | 26,200 |
| 175 | 52.7 | 224.1 | 24,300 |
| 180 | 51.3 | 220.1 | 22,400 |
| 185 | 50.0 | 215.9 | 20,600 |
| 190 | 48.6 | 211.4 | 18,900 |
| 195 | 47.2 | 206.8 | 17,300 |
| 200 | 45.7 | 201.9 | 15,800 |
| 205 | 44.2 | 196.8 | 14,400 |
| 210 | 42.7 | 191.4 | 13,000 |
| 215 | 41.1 | 185.6 | 11,700 |
| 220 | 39.5 | 179.6 | 10,500 |

| 295.3 ft | | | |
|----------|------|-------|---------|
| ft | ° | ft | lb |
| 36 | 84.7 | 300.8 | 181,900 |
| 38 | 84.3 | 300.6 | 181,100 |
| 40 | 83.9 | 300.4 | 180,300 |
| 45 | 82.9 | 299.7 | 178,500 |
| 50 | 81.9 | 299.0 | 172,400 |
| 55 | 80.9 | 298.2 | 165,100 |
| 60 | 80.0 | 297.3 | 158,300 |
| 65 | 79.0 | 296.3 | 152,100 |
| 70 | 78.0 | 295.2 | 136,600 |
| 75 | 77.0 | 294.0 | 122,800 |
| 80 | 76.0 | 292.8 | 111,000 |
| 85 | 75.0 | 291.4 | 100,900 |
| 90 | 74.0 | 289.9 | 92,000 |
| 95 | 72.9 | 288.4 | 84,200 |
| 100 | 71.9 | 286.7 | 77,200 |
| 105 | 70.9 | 285.0 | 71,000 |
| 110 | 69.9 | 283.1 | 65,500 |
| 115 | 68.8 | 281.2 | 60,400 |
| 120 | 67.8 | 279.1 | 55,900 |
| 125 | 66.7 | 277.0 | 51,700 |
| 130 | 65.6 | 274.7 | 47,900 |
| 135 | 64.6 | 272.3 | 44,400 |
| 140 | 63.5 | 269.8 | 41,100 |
| 145 | 62.4 | 267.1 | 38,100 |
| 150 | 61.3 | 264.4 | 35,300 |
| 155 | 60.2 | 261.5 | 32,700 |
| 160 | 59.0 | 258.5 | 30,300 |
| 165 | 57.9 | 255.3 | 28,100 |
| 170 | 56.7 | 252.0 | 25,900 |
| 175 | 55.5 | 248.6 | 23,900 |
| 180 | 54.3 | 245.0 | 22,100 |
| 185 | 53.1 | 241.2 | 20,300 |
| 190 | 51.9 | 237.3 | 18,600 |
| 195 | 50.6 | 233.2 | 17,000 |
| 200 | 49.4 | 228.9 | 15,500 |
| 205 | 48.1 | 224.4 | 14,100 |
| 210 | 46.7 | 219.7 | 12,800 |
| 215 | 45.4 | 214.8 | 11,500 |
| 220 | 44.0 | 209.6 | 10,200 |