


# Liftcrane Boom Capacities

**Boom No. B10:76A**  
**184,600 lb Crane Counterweight**  
**60,400 lb Carbody Counterweight**  
**360 Degree Rating**

## MLC200 SERIES 3

 **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 1 or Drum 2 is 31,500 lb or 60,000 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 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 10,000 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 with gantry up. Refer to Boom Rigging **No. 80149429**, Wire Rope Specifications chart **No. A018-A**, Counterweight Arrangements chart **No. A004-A**, and Wind Conditions chart **No. A017-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. A016-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 27 ft 2 in. crawlers, 48 in. treads, 10 ft 3 in. retractable gantry, 27 ft live mast, 20 part boom hoist reeving, and boom support straps.

Consult chart **No. A023-A** when Jib No. 134 is attached.

Deduct From Capacities When Jib No. 134 Is Attached			
Jib Length (ft)	Jib Offset Angle		
	5°	15°	25°
	Deduct (lb)		
30.0	5,800	6,300	7,500
40.0	6,600	7,800	9,500
50.0	7,400	9,300	11,600
60.0	8,200	10,800	13,600
70.0	8,900	12,000	15,400
80.0	9,800	13,200	17,400

Weight of jib and 3,000 lb suspended beneath jib point have been included in determination of deduct.

Upper Boom Point Deduct
Deduct 1,100 lb from capacities when upper boom point is attached.

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. For boom lengths shown with (a), upper boom point must be removed. Raising is not permitted in shaded areas of table.

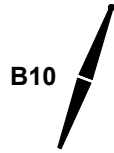
Combined weight beneath boom point sheaves must not exceed block weight shown.

**Table 1**

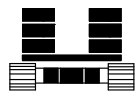
Boom Length (ft)	Maximum Number of Lower Boom Point Sheaves	Over End or Side of Crawlers	Over End of Blocked Crawlers
		Block Weight (lb)	
65.6 - 203.4	7	8,000	8,000
213.3	7	7,200	8,000
223.1	7	5,200	6,400
232.9	2	4,100	5,600
242.8	2	#	4,200
252.6	2	#	3,300
262.5	2	#	#
272.3	2		#
282.2	2		#
292.0 (a)	2		#

**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



Boom No. B10:76A



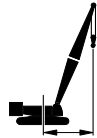
Crane Counterweight  
+  
Carbody Counterweight



360 Degree Rating



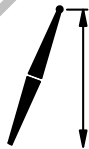
Boom Length



Operating Radius  
(see page 1)



Boom Angle  
(see page 1)



Boom Point Elevation  
(see page 1)



Lifting Capacities  
(see page 1)

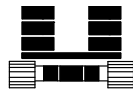
REFERENCE ONLY!

# MLC200 S-3

ASME B30.5



B10



184,600 lb  
+  
60,400 lb



360°

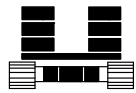
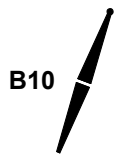
65.6 ft			
ft	°	ft	lb
14	84.1	73.0	441,000 b
15	83.2	72.9	409,800 b
16	82.3	72.7	386,200 b
17	81.4	72.5	365,200 b
18	80.5	72.3	346,200 b
19	79.7	72.1	329,000 b
20	78.8	71.9	313,400 b
21	77.9	71.6	299,200 b
22	77.0	71.4	286,200 b
23	76.1	71.1	274,200 b
24	75.1	70.8	263,100
25	74.2	70.5	252,900
26	73.3	70.2	243,400
27	72.4	69.8	234,500
28	71.5	69.5	226,300
29	70.5	69.1	218,500
30	69.6	68.7	211,300
31	68.6	68.3	204,400
32	67.7	67.8	198,000
33	66.7	67.4	192,100
34	65.8	66.9	186,400
36	63.8	65.8	175,900
38	61.8	64.7	166,400
40	59.8	63.5	157,200
42	57.7	62.2	146,700
44	55.5	60.8	137,500
46	53.3	59.3	129,200
48	51.1	57.6	121,800
50	48.7	55.8	115,200
55	42.4	50.5	101,000
60	35.1	43.8	89,600
65	25.9	34.6	80,200
68	18.3	26.5	75,300

75.5 ft			
ft	°	ft	lb
17	82.6	82.5	364,700 b
18	81.8	82.3	345,800 b
19	81.0	82.2	328,600 b
20	80.3	82.0	313,100 b
21	79.5	81.7	298,800 b
22	78.7	81.5	285,800 b
23	77.9	81.3	273,800 b
24	77.1	81.0	262,800
25	76.3	80.8	252,500
26	75.6	80.5	243,000
27	74.8	80.2	234,200
28	74.0	79.9	225,900
29	73.2	79.5	218,200
30	72.4	79.2	211,000
31	71.6	78.8	204,200
32	70.8	78.5	197,800
33	69.9	78.1	191,800
34	69.1	77.7	186,100
36	67.5	76.8	175,600
38	65.8	75.9	166,100
40	64.1	74.9	157,300
42	62.4	73.8	146,800
44	60.6	72.6	137,600
46	58.8	71.4	129,300
48	57.0	70.0	121,900
50	55.1	68.6	115,200
55	50.2	64.5	101,100
60	44.9	59.7	89,800
65	39.1	53.8	80,400
70	32.3	46.4	72,600
75	23.7	36.2	65,900
78	16.5	27.2	62,300

85.3 ft			
ft	°	ft	lb
18	82.8	92.3	345,600
19	82.1	92.1	328,400
20	81.4	92.0	312,900
21	80.7	91.8	298,700
22	80.0	91.6	285,600
23	79.3	91.4	273,700
24	78.6	91.2	262,600
25	78.0	90.9	252,400
26	77.3	90.7	242,900
27	76.6	90.4	234,000
28	75.9	90.1	225,800
29	75.2	89.9	218,100
30	74.5	89.6	210,800
31	73.8	89.2	204,100
32	73.1	88.9	197,700
33	72.4	88.6	191,600
34	71.6	88.2	185,900
36	70.2	87.5	175,500
38	68.8	86.7	166,000
40	67.3	85.8	157,500
42	65.8	84.9	147,000
44	64.3	83.9	137,700
46	62.8	82.8	129,500
48	61.3	81.7	122,100
50	59.7	80.5	115,400
55	55.6	77.1	101,300
60	51.4	73.2	89,900
65	46.8	68.6	80,600
70	41.9	63.3	72,800
75	36.4	56.8	66,200
80	30.0	48.7	60,400
85	21.9	37.7	55,400
87	17.6	31.6	53,600

# MLC200 S-3

ASME B30.5



184,600 lb  
+  
60,400 lb



**95.1 ft**

ft	o	ft	lb
19	82.9	102.1	327,900
20	82.3	102.0	312,400
21	81.7	101.8	298,200
22	81.1	101.6	285,100
23	80.5	101.4	273,200
24	79.8	101.2	262,100
25	79.2	101.0	251,900
26	78.6	100.8	242,400
27	78.0	100.6	233,600
28	77.4	100.3	225,300
29	76.8	100.1	217,600
30	76.1	99.8	210,400
31	75.5	99.5	203,600
32	74.9	99.2	197,200
33	74.2	98.9	191,200
34	73.6	98.6	185,500
36	72.3	98.0	175,000
38	71.1	97.2	165,600
40	69.8	96.5	157,100
42	68.5	95.7	146,800
44	67.2	94.8	137,600
46	65.8	93.9	129,300
48	64.5	92.9	121,900
50	63.1	91.8	115,200
55	59.7	88.9	101,100
60	56.1	85.6	89,700
65	52.3	81.8	80,400
70	48.3	77.5	72,600
75	44.0	72.4	66,000
80	39.4	66.6	60,300
85	34.2	59.5	55,400
90	28.1	50.8	51,000
95	20.3	38.9	47,100
97	16.2	32.3	45,600

**105.0 ft**

ft	o	ft	lb
20	83.0	111.9	312,300
21	82.5	111.8	298,100
22	81.9	111.6	285,100
23	81.4	111.4	273,100
24	80.8	111.2	262,100
25	80.3	111.1	251,800
26	79.7	110.9	242,400
27	79.1	110.7	233,500
28	78.6	110.4	225,300
29	78.0	110.2	217,600
30	77.5	110.0	210,300
31	76.9	109.7	203,600
32	76.3	109.5	197,200
33	75.8	109.2	191,100
34	75.2	108.9	185,500
36	74.1	108.3	175,000
38	72.9	107.7	165,600
40	71.8	107.0	157,000
42	70.6	106.2	147,000
44	69.4	105.5	137,700
46	68.2	104.6	129,400
48	67.1	103.8	122,000
50	65.9	102.9	115,300
55	62.8	100.3	101,200
60	59.6	97.4	89,900
65	56.4	94.2	80,500
70	53.0	90.4	72,800
75	49.4	86.2	66,200
80	45.7	81.5	60,500
85	41.6	76.0	55,500
90	37.2	69.6	51,200
95	32.2	62.1	47,400
100	26.5	52.7	43,900
105	19.0	40.0	40,800
106	17.1	36.7	40,200

**114.8 ft**

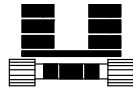
ft	o	ft	lb
21	83.1	121.7	297,600
22	82.6	121.6	284,600
23	82.1	121.4	272,600
24	81.6	121.2	261,600
25	81.1	121.1	251,300
26	80.6	120.9	241,800
27	80.1	120.7	233,000
28	79.6	120.5	224,800
29	79.1	120.3	217,100
30	78.6	120.1	209,800
31	78.0	119.8	203,100
32	77.5	119.6	196,700
33	77.0	119.4	190,600
34	76.5	119.1	185,000
36	75.5	118.6	174,500
38	74.4	118.0	165,100
40	73.4	117.4	156,600
42	72.3	116.7	146,800
44	71.3	116.0	137,500
46	70.2	115.3	129,200
48	69.1	114.5	121,800
50	68.1	113.6	115,100
55	65.3	111.4	100,900
60	62.5	108.8	89,600
65	59.6	105.9	80,300
70	56.7	102.7	72,500
75	53.6	99.0	65,900
80	50.4	95.0	60,200
85	47.0	90.4	55,300
90	43.4	85.2	50,900
95	39.5	79.3	47,100
100	35.3	72.5	43,700
105	30.6	64.5	40,600
110	25.0	54.5	37,800
115	17.8	41.0	35,300
116	16.0	37.5	34,800

# MLC200 S-3

ASME B30.5



B10



184,600 lb  
+  
60,400 lb



360°

124.7 ft			
ft	°	ft	lb
22	83.2	131.5	282,800
23	82.7	131.4	272,300
24	82.3	131.2	261,200
25	81.8	131.0	251,000
26	81.3	130.9	241,500
27	80.9	130.7	232,700
28	80.4	130.5	224,400
29	79.9	130.3	216,700
30	79.5	130.1	209,500
31	79.0	129.9	202,700
32	78.5	129.7	196,300
33	78.1	129.5	190,300
34	77.6	129.2	184,600
36	76.6	128.7	174,200
38	75.7	128.2	164,800
40	74.7	127.7	156,200
42	73.8	127.0	146,600
44	72.8	126.4	137,300
46	71.8	125.7	129,000
48	70.9	125.0	121,600
50	69.9	124.3	114,900
55	67.4	122.2	100,800
60	64.9	119.9	89,400
65	62.3	117.3	80,100
70	59.6	114.4	72,300
75	56.9	111.2	65,700
80	54.1	107.6	60,000
85	51.1	103.6	55,100
90	48.1	99.2	50,800
95	44.8	94.3	46,900
100	41.4	88.7	43,500
105	37.7	82.5	40,500
110	33.7	75.2	37,700
115	29.1	66.7	35,200
120	23.8	56.2	32,900
125	16.8	41.9	30,700
126	15.0	38.1	30,300

134.5 ft			
ft	°	ft	lb
24	82.8	141.2	260,700
25	82.4	141.0	250,500
26	82.0	140.9	241,000
27	81.6	140.7	232,100
28	81.1	140.5	223,900
29	80.7	140.3	216,200
30	80.3	140.2	209,000
31	79.8	140.0	202,200
32	79.4	139.8	195,800
33	78.9	139.6	189,800
34	78.5	139.3	184,100
36	77.6	138.9	173,600
38	76.8	138.4	164,200
40	75.9	137.9	155,700
42	75.0	137.3	146,400
44	74.1	136.7	137,100
46	73.2	136.1	128,800
48	72.3	135.4	121,300
50	71.4	134.8	114,600
55	69.1	132.9	100,400
60	66.8	130.7	89,100
65	64.5	128.4	79,700
70	62.1	125.8	71,900
75	59.6	122.9	65,300
80	57.1	119.7	59,700
85	54.5	116.1	54,700
90	51.8	112.3	50,400
95	49.0	108.0	46,600
100	46.0	103.2	43,200
105	42.9	98.0	40,100
110	39.7	92.1	37,400
115	36.1	85.4	34,900
120	32.2	77.8	32,600
125	27.8	68.8	30,500
130	22.7	57.7	28,500
135	15.9	42.6	26,700

144.4 ft			
ft	°	ft	lb
25	82.9	151.0	235,300
26	82.5	150.8	231,900
27	82.1	150.7	228,600
28	81.7	150.5	223,800
29	81.3	150.3	216,100
30	80.9	150.2	208,800
31	80.5	150.0	202,000
32	80.1	149.8	195,700
33	79.7	149.6	189,600
34	79.3	149.4	184,000
36	78.5	149.0	173,500
38	77.7	148.5	164,100
40	76.9	148.0	155,600
42	76.0	147.5	146,300
44	75.2	147.0	137,000
46	74.4	146.4	128,700
48	73.6	145.8	121,200
50	72.7	145.2	114,500
55	70.6	143.4	100,300
60	68.5	141.5	89,000
65	66.3	139.3	79,600
70	64.1	136.9	71,800
75	61.9	134.2	65,200
80	59.6	131.3	59,600
85	57.2	128.2	54,600
90	54.8	124.7	50,300
95	52.3	120.9	46,500
100	49.7	116.7	43,100
105	47.1	112.1	40,100
110	44.2	107.1	37,300
115	41.3	101.5	34,800
120	38.1	95.3	32,500
125	34.7	88.2	30,400
130	30.9	80.2	28,500
135	26.7	70.8	26,700
140	21.7	59.1	25,100
145	15.0	43.2	23,500

# MLC200 S-3

ASME B30.5



184,600 lb  
+  
60,400 lb



**154.2 ft**

ft	°	ft	lb
26	83.0	160.8	225,300
27	82.6	160.6	222,100
28	82.3	160.5	218,900
29	81.9	160.3	215,500
30	81.5	160.1	208,300
31	81.1	160.0	201,500
32	80.8	159.8	195,100
33	80.4	159.6	189,100
34	80.0	159.4	183,400
36	79.2	159.0	173,000
38	78.5	158.6	163,600
40	77.7	158.2	155,000
42	77.0	157.7	146,000
44	76.2	157.2	136,700
46	75.4	156.6	128,400
48	74.6	156.1	120,900
50	73.9	155.5	114,200
55	71.9	153.9	100,000
60	69.9	152.0	88,600
65	67.9	150.0	79,300
70	65.9	147.8	71,500
75	63.8	145.4	64,900
80	61.7	142.7	59,200
85	59.6	139.8	54,300
90	57.4	136.6	49,900
95	55.1	133.2	46,100
100	52.8	129.5	42,700
105	50.4	125.4	39,700
110	47.9	120.9	36,900
115	45.3	116.1	34,400
120	42.6	110.7	32,200
125	39.8	104.8	30,100
130	36.7	98.3	28,200
135	33.4	90.9	26,400
140	29.7	82.5	24,800
145	25.6	72.6	23,200
150	20.7	60.5	21,800
154	15.8	47.7	20,700

**164.0 ft**

ft	°	ft	lb
27	83.1	170.5	209,000
28	82.7	170.4	206,400
29	82.4	170.3	203,800
30	82.0	170.1	201,300
31	81.7	170.0	198,800
32	81.3	169.8	194,700
33	81.0	169.6	188,700
34	80.6	169.4	183,100
36	79.9	169.1	172,600
38	79.2	168.7	163,200
40	78.5	168.3	154,700
42	77.8	167.8	145,800
44	77.0	167.3	136,500
46	76.3	166.8	128,100
48	75.6	166.3	120,700
50	74.9	165.7	114,000
55	73.0	164.2	99,800
60	71.2	162.5	88,400
65	69.3	160.7	79,000
70	67.4	158.6	71,200
75	65.5	156.3	64,600
80	63.6	153.9	58,900
85	61.6	151.2	54,000
90	59.6	148.3	49,600
95	57.5	145.1	45,800
100	55.4	141.7	42,400
105	53.2	138.0	39,400
110	51.0	134.0	36,600
115	48.7	129.7	34,100
120	46.3	125.0	31,900
125	43.8	119.8	29,800
130	41.2	114.2	27,900
135	38.4	108.0	26,100
140	35.4	101.2	24,500
145	32.2	93.5	23,000
150	28.7	84.7	21,600
155	24.7	74.4	20,200
160	19.9	61.7	19,000
164	15.1	48.4	18,000

**173.9 ft**

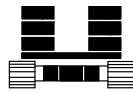
ft	°	ft	lb
28	83.1	180.3	199,100
29	82.8	180.2	196,600
30	82.5	180.1	194,100
31	82.1	179.9	191,700
32	81.8	179.8	189,300
33	81.5	179.6	187,000
34	81.1	179.4	182,500
36	80.5	179.1	172,000
38	79.8	178.7	162,600
40	79.1	178.3	154,100
42	78.5	177.9	145,500
44	77.8	177.4	136,200
46	77.1	177.0	127,800
48	76.4	176.5	120,400
50	75.7	175.9	113,600
55	74.0	174.5	99,400
60	72.3	172.9	88,000
65	70.6	171.2	78,600
70	68.8	169.3	70,800
75	67.0	167.2	64,200
80	65.2	164.9	58,500
85	63.4	162.4	53,600
90	61.5	159.7	49,200
95	59.6	156.8	45,400
100	57.6	153.6	42,000
105	55.6	150.2	39,000
110	53.6	146.6	36,200
115	51.5	142.7	33,700
120	49.3	138.4	31,400
125	47.1	133.8	29,400
130	44.8	128.9	27,500
135	42.4	123.5	25,700
140	39.8	117.6	24,100
145	37.1	111.1	22,600
150	34.3	104.0	21,200
155	31.1	96.0	19,800
160	27.7	86.8	18,600
165	23.8	76.1	17,400
170	19.2	62.9	16,300
173	15.7	52.9	15,700

# MLC200 S-3

ASME B30.5



B10



184,600 lb  
+  
60,400 lb



360°

183.7 ft			
ft	°	ft	lb
29	83.2	190.1	178,600
30	82.9	190.0	176,500
31	82.6	189.9	174,600
32	82.3	189.7	172,600
33	81.9	189.6	170,700
34	81.6	189.4	168,800
36	81.0	189.1	165,000
38	80.4	188.7	161,400
40	79.7	188.3	153,900
42	79.1	187.9	145,300
44	78.5	187.5	136,000
46	77.8	187.1	127,600
48	77.2	186.6	120,200
50	76.5	186.1	113,400
55	74.9	184.8	99,200
60	73.3	183.3	87,800
65	71.6	181.6	78,400
70	70.0	179.8	70,600
75	68.3	177.9	64,000
80	66.6	175.7	58,300
85	64.9	173.4	53,300
90	63.2	170.9	49,000
95	61.4	168.2	45,200
100	59.6	165.2	41,800
105	57.7	162.1	38,700
110	55.9	158.8	36,000
115	53.9	155.1	33,500
120	52.0	151.3	31,200
125	49.9	147.1	29,200
130	47.8	142.6	27,300
135	45.7	137.8	25,500
140	43.4	132.6	23,900
145	41.1	127.0	22,400
150	38.6	120.8	21,000
155	36.0	114.1	19,700
160	33.2	106.6	18,400
165	30.2	98.3	17,300
170	26.8	88.8	16,200
175	23.0	77.7	15,200
180	18.4	64.0	14,200
183	15.1	53.5	13,600

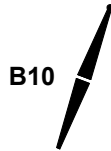
193.6 ft			
ft	°	ft	lb
31	83.0	199.8	167,500
32	82.7	199.7	165,600
33	82.4	199.5	163,700
34	82.1	199.4	161,900
36	81.5	199.1	158,300
38	80.9	198.7	154,800
40	80.3	198.4	151,400
42	79.7	198.0	145,000
44	79.0	197.6	135,700
46	78.4	197.2	127,300
48	77.8	196.7	119,900
50	77.2	196.3	113,100
55	75.7	195.0	98,900
60	74.2	193.6	87,400
65	72.6	192.0	78,100
70	71.1	190.3	70,200
75	69.5	188.5	63,600
80	67.9	186.4	57,900
85	66.3	184.2	52,900
90	64.6	181.9	48,600
95	63.0	179.4	44,800
100	61.3	176.6	41,400
105	59.6	173.7	38,300
110	57.8	170.6	35,600
115	56.0	167.3	33,100
120	54.2	163.7	30,800
125	52.4	159.9	28,700
130	50.5	155.8	26,800
135	48.5	151.4	25,100
140	46.5	146.7	23,500
145	44.4	141.7	22,000
150	42.2	136.2	20,600
155	39.9	130.3	19,300
160	37.5	123.9	18,000
165	34.9	116.9	16,900
170	32.2	109.2	15,800
175	29.2	100.6	14,800
180	26.0	90.7	13,800
185	22.3	79.2	12,900
190	17.8	65.0	12,000
192	15.7	58.0	11,700

203.4 ft			
ft	°	ft	lb
32	83.0	209.6	149,800
33	82.7	209.5	149,000
34	82.4	209.3	148,300
36	81.9	209.0	146,800
38	81.3	208.7	145,300
40	80.7	208.4	143,000
42	80.2	208.0	139,800
44	79.6	207.6	135,400
46	79.0	207.2	127,100
48	78.4	206.8	119,600
50	77.9	206.4	112,800
55	76.4	205.2	98,600
60	75.0	203.8	87,100
65	73.5	202.3	77,700
70	72.0	200.7	69,900
75	70.5	199.0	63,200
80	69.0	197.1	57,500
85	67.5	195.0	52,600
90	65.9	192.8	48,300
95	64.4	190.4	44,400
100	62.8	187.8	41,000
105	61.2	185.1	38,000
110	59.6	182.2	35,200
115	57.9	179.1	32,700
120	56.2	175.8	30,500
125	54.5	172.2	28,400
130	52.7	168.5	26,500
135	50.9	164.4	24,700
140	49.1	160.1	23,100
145	47.1	155.6	21,600
150	45.2	150.6	20,200
155	43.1	145.4	18,900
160	41.0	139.7	17,700
165	38.8	133.6	16,500
170	36.4	127.0	15,500
175	34.0	119.7	14,500
180	31.3	111.7	13,500
185	28.4	102.7	12,600
190	25.2	92.6	11,700
195	21.6	80.6	10,900
200	17.2	65.9	10,100
202	15.1	58.7	9,800



# MLC200 S-3

ASME B30.5



184,600 lb  
+  
60,400 lb



**213.3 ft**

ft	o	ft	lb
33	83.1	219.4	134,100
34	82.8	219.3	133,400
36	82.3	219.0	132,000
38	81.7	218.7	130,600
40	81.2	218.3	129,300
42	80.6	218.0	128,100
44	80.1	217.6	126,700
46	79.5	217.3	125,500
48	79.0	216.9	119,300
50	78.4	216.4	112,500
55	77.0	215.3	98,200
60	75.7	214.0	86,700
65	74.3	212.6	77,300
70	72.9	211.1	69,500
75	71.4	209.4	62,800
80	70.0	207.6	57,100
85	68.6	205.7	52,200
90	67.1	203.6	47,800
95	65.6	201.3	44,000
100	64.2	198.9	40,600
105	62.6	196.3	37,500
110	61.1	193.6	34,800
115	59.6	190.7	32,300
120	58.0	187.6	30,000
125	56.4	184.3	27,900
130	54.7	180.8	26,000
135	53.1	177.0	24,300
140	51.3	173.1	22,700
145	49.6	168.9	21,200
150	47.8	164.4	19,800
155	45.9	159.6	18,500
160	44.0	154.5	17,200
165	42.0	149.0	16,100
170	39.9	143.1	15,000
175	37.8	136.7	14,000
180	35.5	129.9	13,100
185	33.0	122.3	12,200
190	30.4	114.1	11,300
195	27.6	104.8	10,500
200	24.5	94.3	9,700
205	20.9	82.0	9,000
210	16.6	66.8	8,200
211	15.6	63.2	8,100

**223.1 ft**

ft	o	ft	lb
34	83.1	229.2	132,700
36	82.6	228.9	131,300
38	82.1	228.6	130,000
40	81.6	228.3	128,600
42	81.0	228.0	127,400
44	80.5	227.6	126,100
46	80.0	227.3	124,800
48	79.5	226.9	118,900
50	78.9	226.5	112,100
55	77.6	225.4	97,800
60	76.3	224.2	86,300
65	75.0	222.9	76,900
70	73.6	221.4	69,100
75	72.3	219.8	62,400
80	70.9	218.1	56,700
85	69.6	216.2	51,800
90	68.2	214.3	47,400
95	66.8	212.1	43,600
100	65.4	209.8	40,200
105	64.0	207.4	37,100
110	62.5	204.8	34,400
115	61.0	202.1	31,900
120	59.6	199.2	29,600
125	58.0	196.1	27,500
130	56.5	192.8	25,600
135	54.9	189.3	23,900
140	53.3	185.6	22,300
145	51.7	181.7	20,800
150	50.0	177.5	19,400
155	48.3	173.1	18,100
160	46.6	168.4	16,800
165	44.8	163.5	15,700
170	42.9	158.1	14,600
175	40.9	152.5	13,600
180	38.9	146.4	12,700
185	36.8	139.8	11,800
190	34.6	132.7	10,900
195	32.2	124.9	10,100
200	29.7	116.4	9,300
205	26.9	106.9	8,600
210	23.8	96.0	7,900
215	20.3	83.3	7,200
220	16.1	67.6	6,600
221	15.1	63.8	6,400

**232.9 ft**

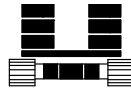
ft	o	ft	lb
35	83.2	239.0	121,900
36	82.9	238.8	121,600
38	82.4	238.6	121,000
40	81.9	238.3	120,400
42	81.4	238.0	119,900
44	80.9	237.6	119,300
46	80.4	237.3	118,700
48	79.9	236.9	118,200
50	79.4	236.5	112,500
55	78.2	235.5	98,100
60	76.9	234.3	86,700
65	75.6	233.1	77,200
70	74.4	231.7	69,400
75	73.1	230.2	62,700
80	71.8	228.5	57,000
85	70.5	226.8	52,000
90	69.2	224.9	47,700
95	67.8	222.8	43,800
100	66.5	220.7	40,400
105	65.1	218.4	37,400
110	63.8	215.9	34,600
115	62.4	213.3	32,100
120	61.0	210.6	29,800
125	59.6	207.6	27,800
130	58.1	204.5	25,900
135	56.6	201.3	24,100
140	55.1	197.8	22,500
145	53.6	194.2	21,000
150	52.1	190.3	19,600
155	50.5	186.2	18,300
160	48.8	181.9	17,100
165	47.2	177.3	15,900
170	45.5	172.4	14,800
175	43.7	167.2	13,800
180	41.9	161.7	12,900
185	40.0	155.8	12,000
190	38.0	149.5	11,100
195	35.9	142.8	10,300
200	33.7	135.4	9,600
205	31.4	127.4	8,800
210	28.9	118.6	8,100
215	26.2	108.8	7,500
220	23.2	97.6	6,800
225	19.8	84.6	6,200
230	15.6	68.3	5,600

# MLC200 S-3

ASME B30.5



B10



184,600 lb  
+  
60,400 lb



360°

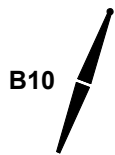
242.8 ft			
ft	°	ft	lb
36	83.2	248.8	110,600
38	82.7	248.5	110,100
40	82.2	248.2	109,500
42	81.8	247.9	109,100
44	81.3	247.6	108,400
46	80.8	247.3	107,900
48	80.3	246.9	107,300
50	79.9	246.6	106,800
55	78.7	245.6	97,800
60	77.4	244.5	86,300
65	76.2	243.2	76,900
70	75.0	241.9	69,000
75	73.8	240.5	62,400
80	72.5	238.9	56,600
85	71.3	237.2	51,700
90	70.0	235.4	47,300
95	68.8	233.5	43,500
100	67.5	231.4	40,100
105	66.2	229.2	37,000
110	64.9	226.9	34,200
115	63.6	224.4	31,700
120	62.3	221.8	29,500
125	60.9	219.0	27,400
130	59.5	216.1	25,500
135	58.2	213.0	23,700
140	56.8	209.8	22,100
145	55.3	206.3	20,600
150	53.9	202.7	19,200
155	52.4	198.9	17,900
160	50.9	194.8	16,700
165	49.3	190.6	15,500
170	47.7	186.1	14,500
175	46.1	181.3	13,500
180	44.4	176.3	12,500
185	42.7	170.9	11,600
190	40.9	165.2	10,800
195	39.0	159.1	10,000
200	37.1	152.6	9,200
205	35.1	145.6	8,500
210	32.9	138.1	7,800
215	30.7	129.8	7,100
220	28.2	120.8	6,500
225	25.6	110.7	5,900
230	22.6	99.2	5,300
235	19.2	85.7	4,700
240	15.1	69.0	4,200

252.6 ft			
ft	°	ft	lb
38	83.0	258.4	100,300
40	82.6	258.2	99,800
42	82.1	257.9	99,200
44	81.6	257.6	98,700
46	81.2	257.3	98,200
48	80.7	256.9	97,700
50	80.3	256.6	97,200
55	79.1	255.6	95,900
60	77.9	254.5	86,000
65	76.8	253.4	76,500
70	75.6	252.1	68,700
75	74.4	250.7	62,000
80	73.2	249.2	56,200
85	72.1	247.6	51,300
90	70.9	245.9	46,900
95	69.6	244.0	43,100
100	68.4	242.1	39,600
105	67.2	240.0	36,600
110	66.0	237.8	33,800
115	64.7	235.4	31,300
120	63.4	232.9	29,000
125	62.2	230.3	26,900
130	60.9	227.5	25,000
135	59.5	224.6	23,300
140	58.2	221.5	21,600
145	56.9	218.3	20,100
150	55.5	214.9	18,700
155	54.1	211.3	17,400
160	52.7	207.5	16,200
165	51.2	203.5	15,100
170	49.7	199.3	14,000
175	48.2	194.9	13,000
180	46.7	190.2	12,000
185	45.1	185.2	11,100
190	43.4	180.0	10,300
195	41.7	174.5	9,500
200	40.0	168.6	8,700
205	38.2	162.3	8,000
210	36.3	155.6	7,300
215	34.3	148.4	6,700
220	32.2	140.6	6,000
225	30.0	132.2	5,400
230	27.6	122.9	4,800
235	25.0	112.5	4,300

262.5 ft			
ft	°	ft	lb
39	83.1	268.2	90,400
40	82.8	268.1	90,100
42	82.4	267.8	89,600
44	82.0	267.5	89,100
46	81.5	267.2	88,600
48	81.1	266.9	88,100
50	80.6	266.6	87,600
55	79.5	265.6	86,500
60	78.4	264.6	85,500
65	77.3	263.5	76,200
70	76.2	262.3	68,300
75	75.0	260.9	61,700
80	73.9	259.5	55,900
85	72.8	258.0	51,000
90	71.6	256.3	46,600
95	70.4	254.5	42,700
100	69.3	252.7	39,300
105	68.1	250.7	36,200
110	66.9	248.5	33,500
115	65.7	246.3	31,000
120	64.5	243.9	28,700
125	63.3	241.4	26,600
130	62.1	238.8	24,700
135	60.8	236.0	23,000
140	59.5	233.1	21,300
145	58.3	230.0	19,800
150	57.0	226.8	18,400
155	55.6	223.4	17,100
160	54.3	219.8	15,900
165	52.9	216.0	14,800
170	51.5	212.1	13,700
175	50.1	208.0	12,700
180	48.7	203.6	11,700
185	47.2	199.0	10,800
190	45.7	194.2	10,000
195	44.1	189.1	9,200
200	42.5	183.7	8,400
205	40.9	178.0	7,700
210	39.1	171.9	7,000
215	37.4	165.4	6,400
220	35.5	158.5	5,700
225	33.5	151.1	5,100
230	31.5	143.1	4,600
235	29.3	134.4	4,000

# MLC200 S-3

ASME B30.5



184,600 lb  
+  
60,400 lb



**272.3 ft**

ft	°	ft	lb
40	83.1	278.0	84,600
42	82.7	277.8	84,200
44	82.2	277.5	83,700
46	81.8	277.2	83,300
48	81.4	276.9	82,900
50	81.0	276.5	82,600
55	79.9	275.7	81,400
60	78.8	274.7	80,400
65	77.7	273.6	75,800
70	76.7	272.4	67,900
75	75.6	271.1	61,200
80	74.5	269.8	55,500
85	73.4	268.3	50,500
90	72.3	266.7	46,200
95	71.2	265.0	42,300
100	70.1	263.2	38,900
105	68.9	261.3	35,800
110	67.8	259.2	33,000
115	66.7	257.1	30,500
120	65.5	254.8	28,300
125	64.3	252.4	26,200
130	63.2	249.9	24,300
135	62.0	247.3	22,500
140	60.8	244.5	20,900
145	59.5	241.5	19,400
150	58.3	238.5	18,000
155	57.1	235.3	16,700
160	55.8	231.9	15,500
165	54.5	228.3	14,300
170	53.2	224.6	13,200
175	51.8	220.7	12,200
180	50.5	216.6	11,300
185	49.1	212.3	10,400
190	47.7	207.8	9,600
195	46.2	203.1	8,800
200	44.7	198.1	8,000
205	43.2	192.8	7,300
210	41.6	187.2	6,600
215	40.0	181.3	5,900
220	38.3	175.1	5,300
225	36.6	168.5	4,700
230	34.8	161.4	4,100

**282.2 ft**

ft	°	ft	lb
41	83.1	287.8	77,700
42	82.9	287.7	77,500
44	82.5	287.4	77,100
46	82.1	287.1	76,700
48	81.7	286.8	76,300
50	81.3	286.5	75,900
55	80.3	285.7	74,900
60	79.2	284.7	74,000
65	78.2	283.7	73,000
70	77.1	282.5	67,600
75	76.1	281.3	60,900
80	75.0	280.0	55,100
85	74.0	278.6	50,100
90	72.9	277.0	45,800
95	71.9	275.4	41,900
100	70.8	273.7	38,500
105	69.7	271.8	35,400
110	68.6	269.9	32,600
115	67.5	267.8	30,100
120	66.4	265.6	27,900
125	65.3	263.3	25,800
130	64.2	260.9	23,900
135	63.0	258.4	22,100
140	61.9	255.7	20,500
145	60.7	253.0	19,000
150	59.5	250.0	17,600
155	58.3	247.0	16,300
160	57.1	243.7	15,100
165	55.9	240.4	13,900
170	54.7	236.9	12,800
175	53.4	233.2	11,800
180	52.1	229.3	10,900
185	50.8	225.3	10,000
190	49.5	221.0	9,100
195	48.1	216.6	8,300
200	46.7	211.9	7,600
205	45.3	207.0	6,900
210	43.9	201.9	6,200
215	42.4	196.4	5,500
220	40.8	190.7	4,900
225	39.2	184.6	4,300

**292.0 ft**

ft	°	ft	lb
42	83.2	297.6	71,400
44	82.8	297.4	71,000
46	82.4	297.1	70,600
48	82.0	296.8	70,200
50	81.6	296.5	69,900
55	80.6	295.7	68,900
60	79.6	294.7	68,000
65	78.6	293.7	67,100
70	77.6	292.6	66,300
75	76.6	291.5	60,500
80	75.6	290.2	54,700
85	74.5	288.8	49,700
90	73.5	287.3	45,400
95	72.5	285.8	41,500
100	71.5	284.1	38,100
105	70.4	282.3	35,000
110	69.4	280.4	32,200
115	68.3	278.5	29,700
120	67.3	276.4	27,400
125	66.2	274.2	25,300
130	65.1	271.9	23,400
135	64.0	269.4	21,700
140	62.9	266.9	20,000
145	61.8	264.2	18,500
150	60.7	261.4	17,100
155	59.5	258.5	15,800
160	58.4	255.4	14,600
165	57.2	252.2	13,400
170	56.0	248.9	12,400
175	54.8	245.4	11,400
180	53.6	241.7	10,400
185	52.4	237.9	9,500
190	51.1	233.9	8,700
195	49.9	229.7	7,900
200	48.5	225.3	7,100
205	47.2	220.7	6,400
210	45.9	215.9	5,700
215	44.5	210.9	5,100
220	43.0	205.6	4,400