


# Liftcrane Boom Capacities

**Boom No. B10:76A**  
**114,600 lb Crane Counterweight**  
**0 lb Carbody Counterweight**  
**360 Degree Rating**

**MLC200**  
**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 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. A021-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.

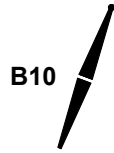
**Table 1**

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 - 154.2	7	8,000	8,000
164.0	7	6,000	7,000
173.9	7	3,800	5,300
183.7	7	#	4,200
193.6	7	#	3,600
203.4	7		#
213.3	7		#
223.1 (a)	7		#

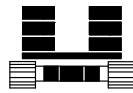
**Warning:** Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. *Crane tipping or structural damage can occur.*

REFERENCE ONLY

## Explanation of Symbols



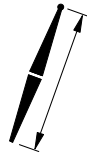
Boom No. B10:76A



Crane Counterweight  
+  
Carbody Counterweight



360 Degree Rating



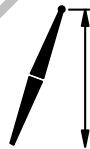
Boom Length



Operating Radius  
(see page 1)



Boom Angle  
(see page 1)



Boom Point Elevation  
(see page 1)



Lifting Capacities  
(see page 1)

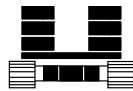
REFERENCE ONLY!

# MLC200 S-1

ASME B30.5



B10



114,600 lb  
+  
0 lb



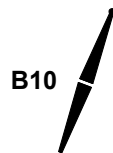
65.6 ft			
ft	°	ft	lb
15	83.2	72.9	369,600 b
16	82.3	72.7	348,300 b
17	81.4	72.5	329,200 b
18	80.5	72.3	312,000 b
19	79.7	72.1	296,500 b
20	78.8	71.9	282,400 b
21	77.9	71.6	269,600 b
22	77.0	71.4	257,800 b
23	76.1	71.1	244,400 b
24	75.1	70.8	226,700
25	74.2	70.5	211,300
26	73.3	70.2	197,800
27	72.4	69.8	185,800
28	71.5	69.5	175,100
29	70.5	69.1	165,500
30	69.6	68.7	156,800
31	68.6	68.3	148,900
32	67.7	67.8	141,700
33	66.7	67.4	135,200
34	65.8	66.9	129,200
36	63.8	65.8	118,500
38	61.8	64.7	109,300
40	59.8	63.5	101,300
42	57.7	62.2	94,200
44	55.5	60.8	88,000
46	53.3	59.3	82,500
48	51.1	57.6	77,500
50	48.7	55.8	73,000
55	42.4	50.5	63,500
60	35.1	43.8	55,800
65	25.9	34.6	49,500
68	18.3	26.5	46,100

75.5 ft			
ft	°	ft	lb
17	82.6	82.5	328,800 b
18	81.8	82.3	311,600 b
19	81.0	82.2	296,100 b
20	80.3	82.0	282,000 b
21	79.5	81.7	269,200 b
22	78.7	81.5	257,400 b
23	77.9	81.3	244,800 b
24	77.1	81.0	227,100
25	76.3	80.8	211,600
26	75.6	80.5	198,100
27	74.8	80.2	186,000
28	74.0	79.9	175,300
29	73.2	79.5	165,700
30	72.4	79.2	157,000
31	71.6	78.8	149,100
32	70.8	78.5	141,900
33	69.9	78.1	135,300
34	69.1	77.7	129,300
36	67.5	76.8	118,600
38	65.8	75.9	109,400
40	64.1	74.9	101,400
42	62.4	73.8	94,300
44	60.6	72.6	88,100
46	58.8	71.4	82,600
48	57.0	70.0	77,600
50	55.1	68.6	73,100
55	50.2	64.5	63,600
60	44.9	59.7	56,000
65	39.1	53.8	49,700
70	32.3	46.4	44,400
75	23.7	36.2	39,800
78	16.5	27.2	37,400

85.3 ft			
ft	°	ft	lb
18	82.8	92.3	311,400
19	82.1	92.1	295,900
20	81.4	92.0	281,900
21	80.7	91.8	269,000
22	80.0	91.6	257,200
23	79.3	91.4	245,200
24	78.6	91.2	227,400
25	78.0	90.9	212,000
26	77.3	90.7	198,400
27	76.6	90.4	186,300
28	75.9	90.1	175,600
29	75.2	89.9	165,900
30	74.5	89.6	157,200
31	73.8	89.2	149,300
32	73.1	88.9	142,100
33	72.4	88.6	135,500
34	71.6	88.2	129,500
36	70.2	87.5	118,800
38	68.8	86.7	109,500
40	67.3	85.8	101,500
42	65.8	84.9	94,500
44	64.3	83.9	88,300
46	62.8	82.8	82,700
48	61.3	81.7	77,700
50	59.7	80.5	73,300
55	55.6	77.1	63,800
60	51.4	73.2	56,100
65	46.8	68.6	49,900
70	41.9	63.3	44,600
75	36.4	56.8	40,100
80	30.0	48.7	36,200
85	21.9	37.7	32,800
87	17.6	31.6	31,600

# MLC200 S-1

ASME B30.5



114,600 lb  
+  
0 lb



**95.1 ft**

ft	o	ft	lb
19	82.9	102.1	295,400
20	82.3	102.0	281,400
21	81.7	101.8	268,500
22	81.1	101.6	256,700
23	80.5	101.4	245,400
24	79.8	101.2	227,600
25	79.2	101.0	212,100
26	78.6	100.8	198,500
27	78.0	100.6	186,400
28	77.4	100.3	175,600
29	76.8	100.1	165,900
30	76.1	99.8	157,200
31	75.5	99.5	149,300
32	74.9	99.2	142,100
33	74.2	98.9	135,500
34	73.6	98.6	129,400
36	72.3	98.0	118,700
38	71.1	97.2	109,400
40	69.8	96.5	101,400
42	68.5	95.7	94,300
44	67.2	94.8	88,100
46	65.8	93.9	82,600
48	64.5	92.9	77,600
50	63.1	91.8	73,100
55	59.7	88.9	63,600
60	56.1	85.6	56,000
65	52.3	81.8	49,700
70	48.3	77.5	44,400
75	44.0	72.4	40,000
80	39.4	66.6	36,100
85	34.2	59.5	32,800
90	28.1	50.8	29,800
95	20.3	38.9	27,100
97	16.2	32.3	26,100

**105.0 ft**

ft	o	ft	lb
20	83.0	111.9	281,300
21	82.5	111.8	268,400
22	81.9	111.6	256,700
23	81.4	111.4	245,600
24	80.8	111.2	227,800
25	80.3	111.1	212,300
26	79.7	110.9	198,600
27	79.1	110.7	186,600
28	78.6	110.4	175,800
29	78.0	110.2	166,100
30	77.5	110.0	157,400
31	76.9	109.7	149,400
32	76.3	109.5	142,200
33	75.8	109.2	135,600
34	75.2	108.9	129,600
36	74.1	108.3	118,800
38	72.9	107.7	109,600
40	71.8	107.0	101,500
42	70.6	106.2	94,500
44	69.4	105.5	88,200
46	68.2	104.6	82,700
48	67.1	103.8	77,700
50	65.9	102.9	73,200
55	62.8	100.3	63,700
60	59.6	97.4	56,100
65	56.4	94.2	49,800
70	53.0	90.4	44,600
75	49.4	86.2	40,100
80	45.7	81.5	36,300
85	41.6	76.0	32,900
90	37.2	69.6	30,000
95	32.2	62.1	27,400
100	26.5	52.7	25,100
105	19.0	40.0	22,900
106	17.1	36.7	22,500

**114.8 ft**

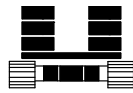
ft	o	ft	lb
21	83.1	121.7	267,900
22	82.6	121.6	256,200
23	82.1	121.4	245,300
24	81.6	121.2	227,900
25	81.1	121.1	212,400
26	80.6	120.9	198,700
27	80.1	120.7	186,600
28	79.6	120.5	175,800
29	79.1	120.3	166,100
30	78.6	120.1	157,300
31	78.0	119.8	149,400
32	77.5	119.6	142,100
33	77.0	119.4	135,500
34	76.5	119.1	129,400
36	75.5	118.6	118,700
38	74.4	118.0	109,400
40	73.4	117.4	101,300
42	72.3	116.7	94,300
44	71.3	116.0	88,000
46	70.2	115.3	82,400
48	69.1	114.5	77,500
50	68.1	113.6	73,000
55	65.3	111.4	63,400
60	62.5	108.8	55,800
65	59.6	105.9	49,500
70	56.7	102.7	44,300
75	53.6	99.0	39,800
80	50.4	95.0	36,000
85	47.0	90.4	32,700
90	43.4	85.2	29,700
95	39.5	79.3	27,200
100	35.3	72.5	24,800
105	30.6	64.5	22,700
110	25.0	54.5	20,800
115	17.8	41.0	19,100
116	16.0	37.5	18,700

# MLC200 S-1

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B10



114,600 lb  
+  
0 lb



**124.7 ft**

ft	o	ft	lb
22	83.2	131.5	255,800
23	82.7	131.4	245,000
24	82.3	131.2	228,000
25	81.8	131.0	212,400
26	81.3	130.9	198,700
27	80.9	130.7	186,600
28	80.4	130.5	175,700
29	79.9	130.3	166,000
30	79.5	130.1	157,300
31	79.0	129.9	149,300
32	78.5	129.7	142,100
33	78.1	129.5	135,400
34	77.6	129.2	129,300
36	76.6	128.7	118,500
38	75.7	128.2	109,300
40	74.7	127.7	101,200
42	73.8	127.0	94,100
44	72.8	126.4	87,900
46	71.8	125.7	82,300
48	70.9	125.0	77,300
50	69.9	124.3	72,800
55	67.4	122.2	63,300
60	64.9	119.9	55,600
65	62.3	117.3	49,300
70	59.6	114.4	44,100
75	56.9	111.2	39,600
80	54.1	107.6	35,800
85	51.1	103.6	32,500
90	48.1	99.2	29,600
95	44.8	94.3	27,000
100	41.4	88.7	24,700
105	37.7	82.5	22,600
110	33.7	75.2	20,700
115	29.1	66.7	19,000
120	23.8	56.2	17,400
125	16.8	41.9	16,000
126	15.0	38.1	15,700

**134.5 ft**

ft	o	ft	lb
24	82.8	141.2	228,000
25	82.4	141.0	212,400
26	82.0	140.9	198,700
27	81.6	140.7	186,500
28	81.1	140.5	175,700
29	80.7	140.3	165,900
30	80.3	140.2	157,100
31	79.8	140.0	149,200
32	79.4	139.8	141,900
33	78.9	139.6	135,300
34	78.5	139.3	129,200
36	77.6	138.9	118,400
38	76.8	138.4	109,000
40	75.9	137.9	101,000
42	75.0	137.3	93,900
44	74.1	136.7	87,600
46	73.2	136.1	82,000
48	72.3	135.4	77,000
50	71.4	134.8	72,500
55	69.1	132.9	63,000
60	66.8	130.7	55,300
65	64.5	128.4	49,000
70	62.1	125.8	43,700
75	59.6	122.9	39,300
80	57.1	119.7	35,500
85	54.5	116.1	32,100
90	51.8	112.3	29,200
95	49.0	108.0	26,600
100	46.0	103.2	24,300
105	42.9	98.0	22,300
110	39.7	92.1	20,400
115	36.1	85.4	18,700
120	32.2	77.8	17,100
125	27.8	68.8	15,700
130	22.7	57.7	14,400
135	15.9	42.6	13,100

**144.4 ft**

ft	o	ft	lb
25	82.9	151.0	212,400
26	82.5	150.8	198,600
27	82.1	150.7	186,500
28	81.7	150.5	175,600
29	81.3	150.3	165,900
30	80.9	150.2	157,100
31	80.5	150.0	149,100
32	80.1	149.8	141,800
33	79.7	149.6	135,200
34	79.3	149.4	129,100
36	78.5	149.0	118,300
38	77.7	148.5	109,000
40	76.9	148.0	100,900
42	76.0	147.5	93,800
44	75.2	147.0	87,500
46	74.4	146.4	81,900
48	73.6	145.8	76,900
50	72.7	145.2	72,400
55	70.6	143.4	62,800
60	68.5	141.5	55,200
65	66.3	139.3	48,900
70	64.1	136.9	43,600
75	61.9	134.2	39,200
80	59.6	131.3	35,400
85	57.2	128.2	32,000
90	54.8	124.7	29,100
95	52.3	120.9	26,500
100	49.7	116.7	24,200
105	47.1	112.1	22,200
110	44.2	107.1	20,300
115	41.3	101.5	18,600
120	38.1	95.3	17,100
125	34.7	88.2	15,700
130	30.9	80.2	14,400
135	26.7	70.8	13,200
140	21.7	59.1	12,000
145	15.0	43.2	10,900

# MLC200 S-1

ASME B30.5



114,600 lb  
+  
0 lb



**154.2 ft**

ft	o	ft	lb
26	83.0	160.8	198,600
27	82.6	160.6	186,400
28	82.3	160.5	175,500
29	81.9	160.3	165,800
30	81.5	160.1	157,000
31	81.1	160.0	149,000
32	80.8	159.8	141,700
33	80.4	159.6	135,000
34	80.0	159.4	128,900
36	79.2	159.0	118,100
38	78.5	158.6	108,700
40	77.7	158.2	100,600
42	77.0	157.7	93,500
44	76.2	157.2	87,200
46	75.4	156.6	81,600
48	74.6	156.1	76,600
50	73.9	155.5	72,100
55	71.9	153.9	62,500
60	69.9	152.0	54,800
65	67.9	150.0	48,500
70	65.9	147.8	43,300
75	63.8	145.4	38,800
80	61.7	142.7	35,000
85	59.6	139.8	31,700
90	57.4	136.6	28,700
95	55.1	133.2	26,200
100	52.8	129.5	23,900
105	50.4	125.4	21,800
110	47.9	120.9	19,900
115	45.3	116.1	18,300
120	42.6	110.7	16,700
125	39.8	104.8	15,300
130	36.7	98.3	14,000
135	33.4	90.9	12,800
140	29.7	82.5	11,700
145	25.6	72.6	10,600
150	20.7	60.5	9,600
154	15.8	47.7	8,900

**164.0 ft**

ft	o	ft	lb
27	83.1	170.5	186,300
28	82.7	170.4	175,400
29	82.4	170.3	165,600
30	82.0	170.1	156,800
31	81.7	170.0	148,800
32	81.3	169.8	141,500
33	81.0	169.6	134,900
34	80.6	169.4	128,700
36	79.9	169.1	117,900
38	79.2	168.7	108,500
40	78.5	168.3	100,400
42	77.8	167.8	93,300
44	77.0	167.3	87,000
46	76.3	166.8	81,400
48	75.6	166.3	76,400
50	74.9	165.7	71,800
55	73.0	164.2	62,300
60	71.2	162.5	54,600
65	69.3	160.7	48,300
70	67.4	158.6	43,000
75	65.5	156.3	38,500
80	63.6	153.9	34,700
85	61.6	151.2	31,400
90	59.6	148.3	28,400
95	57.5	145.1	25,900
100	55.4	141.7	23,600
105	53.2	138.0	21,500
110	51.0	134.0	19,600
115	48.7	129.7	18,000
120	46.3	125.0	16,400
125	43.8	119.8	15,000
130	41.2	114.2	13,700
135	38.4	108.0	12,500
140	35.4	101.2	11,400
145	32.2	93.5	10,400
150	28.7	84.7	9,400
155	24.7	74.4	8,500
160	19.9	61.7	7,600
164	15.1	48.4	7,000

**173.9 ft**

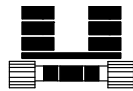
ft	o	ft	lb
28	83.1	180.3	175,300
29	82.8	180.2	165,500
30	82.5	180.1	156,700
31	82.1	179.9	148,700
32	81.8	179.8	141,400
33	81.5	179.6	134,700
34	81.1	179.4	128,500
36	80.5	179.1	117,700
38	79.8	178.7	108,300
40	79.1	178.3	100,200
42	78.5	177.9	93,000
44	77.8	177.4	86,700
46	77.1	177.0	81,100
48	76.4	176.5	76,100
50	75.7	175.9	71,500
55	74.0	174.5	61,900
60	72.3	172.9	54,200
65	70.6	171.2	47,900
70	68.8	169.3	42,600
75	67.0	167.2	38,100
80	65.2	164.9	34,300
85	63.4	162.4	31,000
90	61.5	159.7	28,000
95	59.6	156.8	25,500
100	57.6	153.6	23,200
105	55.6	150.2	21,100
110	53.6	146.6	19,200
115	51.5	142.7	17,500
120	49.3	138.4	16,000
125	47.1	133.8	14,600
130	44.8	128.9	13,300
135	42.4	123.5	12,100
140	39.8	117.6	11,000
145	37.1	111.1	10,000
150	34.3	104.0	9,000
155	31.1	96.0	8,100
160	27.7	86.8	7,300
165	23.8	76.1	6,500
170	19.2	62.9	5,700
173	15.7	52.9	5,300

# MLC200 S-1

ASME B30.5



B10



114,600 lb  
+  
0 lb



**183.7 ft**

ft	o	ft	lb
29	83.2	190.1	165,400
30	82.9	190.0	156,500
31	82.6	189.9	148,500
32	82.3	189.7	141,200
33	81.9	189.6	134,500
34	81.6	189.4	128,400
36	81.0	189.1	117,500
38	80.4	188.7	108,100
40	79.7	188.3	100,000
42	79.1	187.9	92,800
44	78.5	187.5	86,500
46	77.8	187.1	80,900
48	77.2	186.6	75,900
50	76.5	186.1	71,300
55	74.9	184.8	61,700
60	73.3	183.3	54,000
65	71.6	181.6	47,700
70	70.0	179.8	42,400
75	68.3	177.9	37,900
80	66.6	175.7	34,100
85	64.9	173.4	30,700
90	63.2	170.9	27,800
95	61.4	168.2	25,200
100	59.6	165.2	22,900
105	57.7	162.1	20,900
110	55.9	158.8	19,000
115	53.9	155.1	17,300
120	52.0	151.3	15,800
125	49.9	147.1	14,400
130	47.8	142.6	13,100
135	45.7	137.8	11,900
140	43.4	132.6	10,800
145	41.1	127.0	9,800
150	38.6	120.8	8,800
155	36.0	114.1	7,900
160	33.2	106.6	7,100
165	30.2	98.3	6,300
170	26.8	88.8	5,600
175	23.0	77.7	4,900
180	18.4	64.0	4,200

**193.6 ft**

ft	o	ft	lb
31	83.0	199.8	148,400
32	82.7	199.7	141,000
33	82.4	199.5	134,300
34	82.1	199.4	128,200
36	81.5	199.1	117,300
38	80.9	198.7	107,900
40	80.3	198.4	99,700
42	79.7	198.0	92,600
44	79.0	197.6	86,200
46	78.4	197.2	80,600
48	77.8	196.7	75,500
50	77.2	196.3	71,000
55	75.7	195.0	61,400
60	74.2	193.6	53,600
65	72.6	192.0	47,300
70	71.1	190.3	42,000
75	69.5	188.5	37,500
80	67.9	186.4	33,700
85	66.3	184.2	30,300
90	64.6	181.9	27,400
95	63.0	179.4	24,800
100	61.3	176.6	22,500
105	59.6	173.7	20,500
110	57.8	170.6	18,600
115	56.0	167.3	16,900
120	54.2	163.7	15,400
125	52.4	159.9	14,000
130	50.5	155.8	12,700
135	48.5	151.4	11,500
140	46.5	146.7	10,400
145	44.4	141.7	9,400
150	42.2	136.2	8,400
155	39.9	130.3	7,500
160	37.5	123.9	6,700
165	34.9	116.9	5,900
170	32.2	109.2	5,200
175	29.2	100.6	4,500

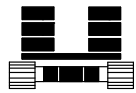
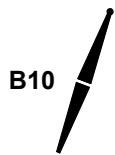
**203.4 ft**

ft	o	ft	lb
32	83.0	209.6	140,800
33	82.7	209.5	134,100
34	82.4	209.3	127,900
36	81.9	209.0	117,000
38	81.3	208.7	107,600
40	80.7	208.4	99,400
42	80.2	208.0	92,300
44	79.6	207.6	85,900
46	79.0	207.2	80,300
48	78.4	206.8	75,300
50	77.9	206.4	70,700
55	76.4	205.2	61,100
60	75.0	203.8	53,300
65	73.5	202.3	47,000
70	72.0	200.7	41,700
75	70.5	199.0	37,200
80	69.0	197.1	33,300
85	67.5	195.0	30,000
90	65.9	192.8	27,100
95	64.4	190.4	24,500
100	62.8	187.8	22,200
105	61.2	185.1	20,100
110	59.6	182.2	18,200
115	57.9	179.1	16,600
120	56.2	175.8	15,000
125	54.5	172.2	13,600
130	52.7	168.5	12,300
135	50.9	164.4	11,100
140	49.1	160.1	10,000
145	47.1	155.6	9,000
150	45.2	150.6	8,100
155	43.1	145.4	7,200
160	41.0	139.7	6,300
165	38.8	133.6	5,600
170	36.4	127.0	4,800
175	34.0	119.7	4,100



# MLC200 S-1

ASME B30.5



114,600 lb  
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**213.3 ft**

ft	o	ft	lb
33	83.1	219.4	133,900
34	82.8	219.3	127,700
36	82.3	219.0	116,800
38	81.7	218.7	107,400
40	81.2	218.3	99,200
42	80.6	218.0	92,000
44	80.1	217.6	85,700
46	79.5	217.3	80,000
48	79.0	216.9	74,900
50	78.4	216.4	70,400
55	77.0	215.3	60,700
60	75.7	214.0	53,000
65	74.3	212.6	46,600
70	72.9	211.1	41,300
75	71.4	209.4	36,800
80	70.0	207.6	32,900
85	68.6	205.7	29,600
90	67.1	203.6	26,600
95	65.6	201.3	24,100
100	64.2	198.9	21,700
105	62.6	196.3	19,700
110	61.1	193.6	17,800
115	59.6	190.7	16,100
120	58.0	187.6	14,600
125	56.4	184.3	13,200
130	54.7	180.8	11,900
135	53.1	177.0	10,700
140	51.3	173.1	9,600
145	49.6	168.9	8,600
150	47.8	164.4	7,600
155	45.9	159.6	6,700
160	44.0	154.5	5,900
165	42.0	149.0	5,100
170	39.9	143.1	4,400

**223.1 ft**

ft	o	ft	lb
34	83.1	229.2	127,400
36	82.6	228.9	116,400
38	82.1	228.6	107,000
40	81.6	228.3	98,800
42	81.0	228.0	91,600
44	80.5	227.6	85,300
46	80.0	227.3	79,600
48	79.5	226.9	74,500
50	78.9	226.5	70,000
55	77.6	225.4	60,300
60	76.3	224.2	52,600
65	75.0	222.9	46,200
70	73.6	221.4	40,900
75	72.3	219.8	36,400
80	70.9	218.1	32,500
85	69.6	216.2	29,200
90	68.2	214.3	26,200
95	66.8	212.1	23,600
100	65.4	209.8	21,300
105	64.0	207.4	19,300
110	62.5	204.8	17,400
115	61.0	202.1	15,700
120	59.6	199.2	14,200
125	58.0	196.1	12,800
130	56.5	192.8	11,500
135	54.9	189.3	10,300
140	53.3	185.6	9,200
145	51.7	181.7	8,200
150	50.0	177.5	7,200
155	48.3	173.1	6,300
160	46.6	168.4	5,500
165	44.8	163.5	4,700
170	42.9	158.1	4,000