


# Liftcrane Boom Capacities

**Boom No. B10:76A**  
**184,600 lb Crane Counterweight**  
**60,400 lb Carbody Counterweight**  
**Rating Over End of Blocked Crawlers**  
**No Travel - Limited Swing**

## 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. Drive and idler tumbler must be properly blocked so that centerline of tumbler become tipping fulcrum. Swing is limited to that sector shown on Operating Range Diagram chart **No. A015-A**. 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, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.

 **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.


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 of Blocked Crawlers
		Block Weight (lb)
65.6 - 203.4	7	8,000
213.3	7	8,000
223.1	7	6,400
232.9	2	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	#

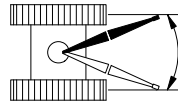
REFERENCE ONLY!

Explanation of Symbols


**B10**  Boom No. B10:76A


 Crane Counterweight  
+  
Carbody Counterweight


 Blocked Crawler


 Limited Swing

 Boom Length

 Operating Radius  
(see page 1)

 Boom Angle  
(see page 1)

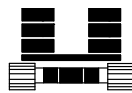
 Boom Point Elevation  
(see page 1)

 Lifting Capacities  
(see page 1)

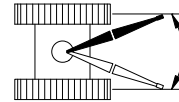
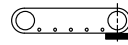
REFERENCE ONLY!

# MLC200 S-3

ASME B30.5



184,600 lb  
+  
60,400 lb



**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	157,900
42	57.7	62.2	150,100
44	55.5	60.8	143,000
46	53.3	59.3	136,500
48	51.1	57.6	130,500
50	48.7	55.8	125,000
55	42.4	50.5	112,800
60	35.1	43.8	102,600
65	25.9	34.6	93,800
68	18.3	26.5	77,500

**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	157,600
42	62.4	73.8	149,800
44	60.6	72.6	142,800
46	58.8	71.4	136,300
48	57.0	70.0	130,300
50	55.1	68.6	124,700
55	50.2	64.5	112,600
60	44.9	59.7	102,400
65	39.1	53.8	93,700
70	32.3	46.4	86,200
75	23.7	36.2	79,600
78	16.5	27.2	66,700

**85.3 ft**

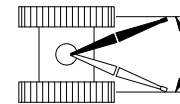
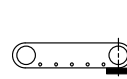
ft	°	ft	lb
18	82.8	92.3	345,600
19	82.1	92.1	328,400
20	81.4	92.0	312,900
21	80.7	91.8	298,700
22	80.0	91.6	285,600
23	79.3	91.4	273,700
24	78.6	91.2	262,600
25	78.0	90.9	252,400
26	77.3	90.7	242,900
27	76.6	90.4	234,000
28	75.9	90.1	225,800
29	75.2	89.9	218,100
30	74.5	89.6	210,800
31	73.8	89.2	204,100
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	149,700
44	64.3	83.9	142,700
46	62.8	82.8	136,200
48	61.3	81.7	130,200
50	59.7	80.5	124,700
55	55.6	77.1	112,600
60	51.4	73.2	102,400
65	46.8	68.6	93,800
70	41.9	63.3	86,300
75	36.4	56.8	79,800
80	30.0	48.7	73,000
85	21.9	37.7	67,000
87	17.6	31.6	62,900

# 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	149,300
44	67.2	94.8	142,200
46	65.8	93.9	135,700
48	64.5	92.9	129,800
50	63.1	91.8	124,300
55	59.7	88.9	112,200
60	56.1	85.6	102,000
65	52.3	81.8	93,400
70	48.3	77.5	85,900
75	44.0	72.4	79,500
80	39.4	66.6	72,900
85	34.2	59.5	66,900
90	28.1	50.8	61,700
95	20.3	38.9	57,100
97	16.2	32.3	53,900

**105.0 ft**

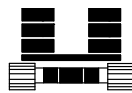
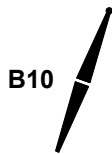
ft	o	ft	lb
20	83.0	111.9	312,300
21	82.5	111.8	298,100
22	81.9	111.6	285,100
23	81.4	111.4	273,100
24	80.8	111.2	262,100
25	80.3	111.1	251,800
26	79.7	110.9	242,400
27	79.1	110.7	233,500
28	78.6	110.4	225,300
29	78.0	110.2	217,600
30	77.5	110.0	210,300
31	76.9	109.7	203,600
32	76.3	109.5	197,200
33	75.8	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	149,300
44	69.4	105.5	142,200
46	68.2	104.6	135,700
48	67.1	103.8	129,800
50	65.9	102.9	124,300
55	62.8	100.3	112,200
60	59.6	97.4	102,100
65	56.4	94.2	93,400
70	53.0	90.4	86,000
75	49.4	86.2	79,500
80	45.7	81.5	73,100
85	41.6	76.0	67,100
90	37.2	69.6	61,900
95	32.2	62.1	57,300
100	26.5	52.7	53,200
105	19.0	40.0	49,500
106	17.1	36.7	48,400

**114.8 ft**

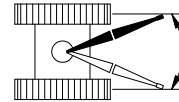
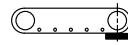
ft	o	ft	lb
21	83.1	121.7	297,600
22	82.6	121.6	284,600
23	82.1	121.4	272,600
24	81.6	121.2	261,600
25	81.1	121.1	251,300
26	80.6	120.9	241,800
27	80.1	120.7	233,000
28	79.6	120.5	224,800
29	79.1	120.3	217,100
30	78.6	120.1	209,800
31	78.0	119.8	203,100
32	77.5	119.6	196,700
33	77.0	119.4	190,600
34	76.5	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	148,800
44	71.3	116.0	141,700
46	70.2	115.3	135,300
48	69.1	114.5	129,300
50	68.1	113.6	123,800
55	65.3	111.4	111,700
60	62.5	108.8	101,600
65	59.6	105.9	93,000
70	56.7	102.7	85,600
75	53.6	99.0	79,100
80	50.4	95.0	72,800
85	47.0	90.4	66,900
90	43.4	85.2	61,700
95	39.5	79.3	57,100
100	35.3	72.5	53,100
105	30.6	64.5	49,400
110	25.0	54.5	46,100
115	17.8	41.0	43,000
116	16.0	37.5	41,700

# MLC200 S-3

ASME B30.5



184,600 lb  
+  
60,400 lb



**124.7 ft**

ft	o	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	148,500
44	72.8	126.4	141,400
46	71.8	125.7	134,900
48	70.9	125.0	129,000
50	69.9	124.3	123,500
55	67.4	122.2	111,400
60	64.9	119.9	101,300
65	62.3	117.3	92,700
70	59.6	114.4	85,300
75	56.9	111.2	78,800
80	54.1	107.6	72,700
85	51.1	103.6	66,700
90	48.1	99.2	61,600
95	44.8	94.3	57,000
100	41.4	88.7	52,900
105	37.7	82.5	49,300
110	33.7	75.2	46,000
115	29.1	66.7	43,000
120	23.8	56.2	40,300
125	16.8	41.9	37,400
126	15.0	38.1	36,200

**134.5 ft**

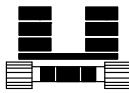
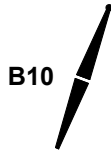
ft	o	ft	lb
24	82.8	141.2	260,700
25	82.4	141.0	250,500
26	82.0	140.9	241,000
27	81.6	140.7	232,100
28	81.1	140.5	223,900
29	80.7	140.3	216,200
30	80.3	140.2	209,000
31	79.8	140.0	202,200
32	79.4	139.8	195,800
33	78.9	139.6	189,800
34	78.5	139.3	184,100
36	77.6	138.9	173,600
38	76.8	138.4	164,200
40	75.9	137.9	155,700
42	75.0	137.3	148,000
44	74.1	136.7	140,900
46	73.2	136.1	134,400
48	72.3	135.4	128,500
50	71.4	134.8	123,000
55	69.1	132.9	110,900
60	66.8	130.7	100,800
65	64.5	128.4	92,200
70	62.1	125.8	84,800
75	59.6	122.9	78,300
80	57.1	119.7	72,400
85	54.5	116.1	66,400
90	51.8	112.3	61,200
95	49.0	108.0	56,600
100	46.0	103.2	52,600
105	42.9	98.0	49,000
110	39.7	92.1	45,700
115	36.1	85.4	42,700
120	32.2	77.8	40,000
125	27.8	68.8	37,600
130	22.7	57.7	35,300
135	15.9	42.6	32,300

**144.4 ft**

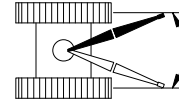
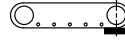
ft	o	ft	lb
25	82.9	151.0	235,300
26	82.5	150.8	231,900
27	82.1	150.7	228,600
28	81.7	150.5	223,800
29	81.3	150.3	216,100
30	80.9	150.2	208,800
31	80.5	150.0	202,000
32	80.1	149.8	195,700
33	79.7	149.6	189,600
34	79.3	149.4	184,000
36	78.5	149.0	173,500
38	77.7	148.5	164,100
40	76.9	148.0	155,600
42	76.0	147.5	147,800
44	75.2	147.0	140,800
46	74.4	146.4	134,300
48	73.6	145.8	128,300
50	72.7	145.2	122,800
55	70.6	143.4	110,800
60	68.5	141.5	100,700
65	66.3	139.3	92,100
70	64.1	136.9	84,600
75	61.9	134.2	78,200
80	59.6	131.3	72,300
85	57.2	128.2	66,300
90	54.8	124.7	61,100
95	52.3	120.9	56,600
100	49.7	116.7	52,500
105	47.1	112.1	48,900
110	44.2	107.1	45,600
115	41.3	101.5	42,700
120	38.1	95.3	40,000
125	34.7	88.2	37,500
130	30.9	80.2	35,300
135	26.7	70.8	33,200
140	21.7	59.1	31,200
145	15.0	43.2	28,300

# MLC200 S-3

ASME B30.5



184,600 lb  
+  
60,400 lb



**154.2 ft**

ft	o	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	147,300
44	76.2	157.2	140,200
46	75.4	156.6	133,800
48	74.6	156.1	127,800
50	73.9	155.5	122,300
55	71.9	153.9	110,300
60	69.9	152.0	100,100
65	67.9	150.0	91,500
70	65.9	147.8	84,100
75	63.8	145.4	77,700
80	61.7	142.7	71,900
85	59.6	139.8	66,000
90	57.4	136.6	60,800
95	55.1	133.2	56,200
100	52.8	129.5	52,100
105	50.4	125.4	48,500
110	47.9	120.9	45,300
115	45.3	116.1	42,300
120	42.6	110.7	39,600
125	39.8	104.8	37,200
130	36.7	98.3	34,900
135	33.4	90.9	32,900
140	29.7	82.5	30,900
145	25.6	72.6	29,100
150	20.7	60.5	27,500
154	15.8	47.7	25,100

**164.0 ft**

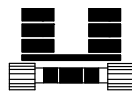
ft	o	ft	lb
27	83.1	170.5	209,000
28	82.7	170.4	206,400
29	82.4	170.3	203,800
30	82.0	170.1	201,300
31	81.7	170.0	198,800
32	81.3	169.8	194,700
33	81.0	169.6	188,700
34	80.6	169.4	183,100
36	79.9	169.1	172,600
38	79.2	168.7	163,200
40	78.5	168.3	154,700
42	77.8	167.8	146,900
44	77.0	167.3	139,900
46	76.3	166.8	133,400
48	75.6	166.3	127,400
50	74.9	165.7	121,900
55	73.0	164.2	109,900
60	71.2	162.5	99,800
65	69.3	160.7	91,200
70	67.4	158.6	83,800
75	65.5	156.3	77,300
80	63.6	153.9	71,700
85	61.6	151.2	65,700
90	59.6	148.3	60,500
95	57.5	145.1	55,900
100	55.4	141.7	51,900
105	53.2	138.0	48,200
110	51.0	134.0	45,000
115	48.7	129.7	42,000
120	46.3	125.0	39,300
125	43.8	119.8	36,900
130	41.2	114.2	34,700
135	38.4	108.0	32,600
140	35.4	101.2	30,700
145	32.2	93.5	28,900
150	28.7	84.7	27,300
155	24.7	74.4	25,700
160	19.9	61.7	24,200
164	15.1	48.4	21,700

**173.9 ft**

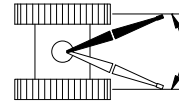
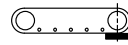
ft	o	ft	lb
28	83.1	180.3	199,100
29	82.8	180.2	196,600
30	82.5	180.1	194,100
31	82.1	179.9	191,700
32	81.8	179.8	189,300
33	81.5	179.6	187,000
34	81.1	179.4	182,500
36	80.5	179.1	172,000
38	79.8	178.7	162,600
40	79.1	178.3	154,100
42	78.5	177.9	146,400
44	77.8	177.4	139,300
46	77.1	177.0	132,800
48	76.4	176.5	126,900
50	75.7	175.9	121,400
55	74.0	174.5	109,300
60	72.3	172.9	99,200
65	70.6	171.2	90,600
70	68.8	169.3	83,200
75	67.0	167.2	76,800
80	65.2	164.9	71,100
85	63.4	162.4	65,300
90	61.5	159.7	60,100
95	59.6	156.8	55,500
100	57.6	153.6	51,500
105	55.6	150.2	47,800
110	53.6	146.6	44,600
115	51.5	142.7	41,600
120	49.3	138.4	38,900
125	47.1	133.8	36,500
130	44.8	128.9	34,300
135	42.4	123.5	32,200
140	39.8	117.6	30,300
145	37.1	111.1	28,500
150	34.3	104.0	26,900
155	31.1	96.0	25,300
160	27.7	86.8	23,900
165	23.8	76.1	22,500
170	19.2	62.9	20,700
173	15.7	52.9	19,000

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184,600 lb  
+  
60,400 lb



**183.7 ft**

ft	o	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	146,200
44	78.5	187.5	139,100
46	77.8	187.1	132,600
48	77.2	186.6	126,700
50	76.5	186.1	121,200
55	74.9	184.8	109,100
60	73.3	183.3	99,000
65	71.6	181.6	90,400
70	70.0	179.8	83,000
75	68.3	177.9	76,600
80	66.6	175.7	70,900
85	64.9	173.4	65,100
90	63.2	170.9	59,900
95	61.4	168.2	55,300
100	59.6	165.2	51,300
105	57.7	162.1	47,600
110	55.9	158.8	44,400
115	53.9	155.1	41,400
120	52.0	151.3	38,700
125	49.9	147.1	36,300
130	47.8	142.6	34,100
135	45.7	137.8	32,000
140	43.4	132.6	30,100
145	41.1	127.0	28,300
150	38.6	120.8	26,700
155	36.0	114.1	25,200
160	33.2	106.6	23,700
165	30.2	98.3	22,400
170	26.8	88.8	21,100
175	23.0	77.7	19,900
180	18.4	64.0	17,800
183	15.1	53.5	16,300

**193.6 ft**

ft	o	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	145,600
44	79.0	197.6	138,600
46	78.4	197.2	132,100
48	77.8	196.7	126,100
50	77.2	196.3	120,600
55	75.7	195.0	108,600
60	74.2	193.6	98,500
65	72.6	192.0	89,900
70	71.1	190.3	82,500
75	69.5	188.5	76,100
80	67.9	186.4	70,400
85	66.3	184.2	64,700
90	64.6	181.9	59,500
95	63.0	179.4	54,900
100	61.3	176.6	50,900
105	59.6	173.7	47,200
110	57.8	170.6	44,000
115	56.0	167.3	41,000
120	54.2	163.7	38,300
125	52.4	159.9	35,900
130	50.5	155.8	33,600
135	48.5	151.4	31,600
140	46.5	146.7	29,700
145	44.4	141.7	27,900
150	42.2	136.2	26,300
155	39.9	130.3	24,800
160	37.5	123.9	23,300
165	34.9	116.9	22,000
170	32.2	109.2	20,700
175	29.2	100.6	19,600
180	26.0	90.7	18,400
185	22.3	79.2	17,100
190	17.8	65.0	14,900
192	15.7	58.0	14,000

**203.4 ft**

ft	o	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	136,800
46	79.0	207.2	131,700
48	78.4	206.8	125,700
50	77.9	206.4	120,200
55	76.4	205.2	108,200
60	75.0	203.8	98,100
65	73.5	202.3	89,500
70	72.0	200.7	82,100
75	70.5	199.0	75,700
80	69.0	197.1	70,000
85	67.5	195.0	64,400
90	65.9	192.8	59,200
95	64.4	190.4	54,600
100	62.8	187.8	50,500
105	61.2	185.1	46,900
110	59.6	182.2	43,600
115	57.9	179.1	40,700
120	56.2	175.8	38,000
125	54.5	172.2	35,500
130	52.7	168.5	33,300
135	50.9	164.4	31,200
140	49.1	160.1	29,300
145	47.1	155.6	27,600
150	45.2	150.6	25,900
155	43.1	145.4	24,400
160	41.0	139.7	23,000
165	38.8	133.6	21,700
170	36.4	127.0	20,400
175	34.0	119.7	19,200
180	31.3	111.7	18,100
185	28.4	102.7	17,100
190	25.2	92.6	16,100
195	21.6	80.6	14,300
200	17.2	65.9	12,400
202	15.1	58.7	11,500

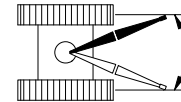
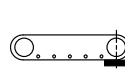


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ASME B30.5



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	124,200
50	78.4	216.4	119,700
55	77.0	215.3	107,600
60	75.7	214.0	97,500
65	74.3	212.6	89,000
70	72.9	211.1	81,600
75	71.4	209.4	75,100
80	70.0	207.6	69,500
85	68.6	205.7	64,000
90	67.1	203.6	58,800
95	65.6	201.3	54,200
100	64.2	198.9	50,100
105	62.6	196.3	46,500
110	61.1	193.6	43,200
115	59.6	190.7	40,300
120	58.0	187.6	37,600
125	56.4	184.3	35,100
130	54.7	180.8	32,900
135	53.1	177.0	30,800
140	51.3	173.1	28,900
145	49.6	168.9	27,100
150	47.8	164.4	25,500
155	45.9	159.6	24,000
160	44.0	154.5	22,600
165	42.0	149.0	21,200
170	39.9	143.1	20,000
175	37.8	136.7	18,800
180	35.5	129.9	17,700
185	33.0	122.3	16,600
190	30.4	114.1	15,600
195	27.6	104.8	14,700
200	24.5	94.3	13,400
205	20.9	82.0	11,700
210	16.6	66.8	9,900
211	15.6	63.2	9,500

**223.1 ft**

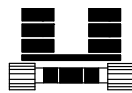
ft	o	ft	lb
34	83.1	229.2	132,700
36	82.6	228.9	131,300
38	82.1	228.6	130,000
40	81.6	228.3	128,600
42	81.0	228.0	127,400
44	80.5	227.6	126,100
46	80.0	227.3	124,800
48	79.5	226.9	123,600
50	78.9	226.5	119,300
55	77.6	225.4	107,200
60	76.3	224.2	97,100
65	75.0	222.9	88,500
70	73.6	221.4	81,100
75	72.3	219.8	74,700
80	70.9	218.1	69,000
85	69.6	216.2	63,600
90	68.2	214.3	58,400
95	66.8	212.1	53,800
100	65.4	209.8	49,700
105	64.0	207.4	46,100
110	62.5	204.8	42,800
115	61.0	202.1	39,800
120	59.6	199.2	37,200
125	58.0	196.1	34,700
130	56.5	192.8	32,500
135	54.9	189.3	30,400
140	53.3	185.6	28,500
145	51.7	181.7	26,700
150	50.0	177.5	25,100
155	48.3	173.1	23,600
160	46.6	168.4	22,200
165	44.8	163.5	20,800
170	42.9	158.1	19,600
175	40.9	152.5	18,400
180	38.9	146.4	17,300
185	36.8	139.8	16,300
190	34.6	132.7	15,300
195	32.2	124.9	14,300
200	29.7	116.4	13,300
205	26.9	106.9	12,400
210	23.8	96.0	10,900
215	20.3	83.3	9,300
220	16.1	67.6	7,600
221	15.1	63.8	7,300

**232.9 ft**

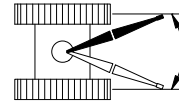
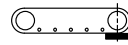
ft	o	ft	lb
35	83.2	239.0	121,900
36	82.9	238.8	121,600
38	82.4	238.6	121,000
40	81.9	238.3	120,400
42	81.4	238.0	119,900
44	80.9	237.6	119,300
46	80.4	237.3	118,700
48	79.9	236.9	118,200
50	79.4	236.5	117,600
55	78.2	235.5	107,300
60	76.9	234.3	97,200
65	75.6	233.1	88,600
70	74.4	231.7	81,300
75	73.1	230.2	74,800
80	71.8	228.5	69,200
85	70.5	226.8	63,800
90	69.2	224.9	58,700
95	67.8	222.8	54,100
100	66.5	220.7	50,000
105	65.1	218.4	46,300
110	63.8	215.9	43,100
115	62.4	213.3	40,100
120	61.0	210.6	37,400
125	59.6	207.6	35,000
130	58.1	204.5	32,700
135	56.6	201.3	30,600
140	55.1	197.8	28,700
145	53.6	194.2	27,000
150	52.1	190.3	25,300
155	50.5	186.2	23,800
160	48.8	181.9	22,400
165	47.2	177.3	21,100
170	45.5	172.4	19,800
175	43.7	167.2	18,600
180	41.9	161.7	17,500
185	40.0	155.8	16,500
190	38.0	149.5	15,500
195	35.9	142.8	14,500
200	33.7	135.4	13,600
205	31.4	127.4	12,600
210	28.9	118.6	11,700
215	26.2	108.8	10,800
220	23.2	97.6	9,400
225	19.8	84.6	7,900
230	15.6	68.3	6,400

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184,600 lb  
+  
60,400 lb



**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	105,500
60	77.4	244.5	96,800
65	76.2	243.2	88,200
70	75.0	241.9	80,800
75	73.8	240.5	74,400
80	72.5	238.9	68,600
85	71.3	237.2	63,200
90	70.0	235.4	58,300
95	68.8	233.5	53,700
100	67.5	231.4	49,600
105	66.2	229.2	46,000
110	64.9	226.9	42,700
115	63.6	224.4	39,700
120	62.3	221.8	37,000
125	60.9	219.0	34,600
130	59.5	216.1	32,300
135	58.2	213.0	30,300
140	56.8	209.8	28,400
145	55.3	206.3	26,600
150	53.9	202.7	25,000
155	52.4	198.9	23,400
160	50.9	194.8	22,000
165	49.3	190.6	20,700
170	47.7	186.1	19,400
175	46.1	181.3	18,300
180	44.4	176.3	17,200
185	42.7	170.9	16,100
190	40.9	165.2	15,000
195	39.0	159.1	14,000
200	37.1	152.6	13,000
205	35.1	145.6	12,100
210	32.9	138.1	11,200
215	30.7	129.8	10,300
220	28.2	120.8	9,500
225	25.6	110.7	8,600
230	22.6	99.2	7,300
235	19.2	85.7	5,900
240	15.1	69.0	4,500

**252.6 ft**

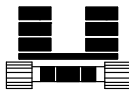
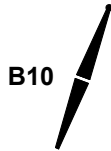
ft	°	ft	lb
38	83.0	258.4	100,300
40	82.6	258.2	99,800
42	82.1	257.9	99,200
44	81.6	257.6	98,700
46	81.2	257.3	98,200
48	80.7	256.9	97,700
50	80.3	256.6	97,200
55	79.1	255.6	95,900
60	77.9	254.5	94,700
65	76.8	253.4	87,700
70	75.6	252.1	80,300
75	74.4	250.7	73,900
80	73.2	249.2	67,900
85	72.1	247.6	62,500
90	70.9	245.9	57,800
95	69.6	244.0	53,300
100	68.4	242.1	49,200
105	67.2	240.0	45,600
110	66.0	237.8	42,300
115	64.7	235.4	39,300
120	63.4	232.9	36,600
125	62.2	230.3	34,200
130	60.9	227.5	31,900
135	59.5	224.6	29,800
140	58.2	221.5	27,900
145	56.9	218.3	26,200
150	55.5	214.9	24,500
155	54.1	211.3	23,000
160	52.7	207.5	21,600
165	51.2	203.5	20,200
170	49.7	199.3	19,000
175	48.2	194.9	17,800
180	46.7	190.2	16,600
185	45.1	185.2	15,400
190	43.4	180.0	14,300
195	41.7	174.5	13,300
200	40.0	168.6	12,300
205	38.2	162.3	11,400
210	36.3	155.6	10,500
215	34.3	148.4	9,700
220	32.2	140.6	8,900
225	30.0	132.2	8,100
230	27.6	122.9	7,300
235	25.0	112.5	6,300
240	22.0	100.7	5,100

**262.5 ft**

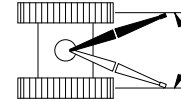
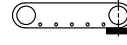
ft	°	ft	lb
39	83.1	268.2	90,400
40	82.8	268.1	90,100
42	82.4	267.8	89,600
44	82.0	267.5	89,100
46	81.5	267.2	88,600
48	81.1	266.9	88,100
50	80.6	266.6	87,600
55	79.5	265.6	86,500
60	78.4	264.6	85,500
65	77.3	263.5	84,100
70	76.2	262.3	80,000
75	75.0	260.9	73,500
80	73.9	259.5	67,500
85	72.8	258.0	62,100
90	71.6	256.3	57,300
95	70.4	254.5	53,000
100	69.3	252.7	48,900
105	68.1	250.7	45,300
110	66.9	248.5	42,000
115	65.7	246.3	39,000
120	64.5	243.9	36,300
125	63.3	241.4	33,800
130	62.1	238.8	31,600
135	60.8	236.0	29,500
140	59.5	233.1	27,600
145	58.3	230.0	25,800
150	57.0	226.8	24,200
155	55.6	223.4	22,700
160	54.3	219.8	21,300
165	52.9	216.0	19,900
170	51.5	212.1	18,600
175	50.1	208.0	17,300
180	48.7	203.6	16,100
185	47.2	199.0	15,000
190	45.7	194.2	13,900
195	44.1	189.1	12,900
200	42.5	183.7	11,900
205	40.9	178.0	11,000
210	39.1	171.9	10,100
215	37.4	165.4	9,300
220	35.5	158.5	8,500
225	33.5	151.1	7,700
230	31.5	143.1	6,900
235	29.3	134.4	6,200
240	26.9	124.9	5,500
245	24.4	114.2	4,500

# MLC200 S-3

ASME B30.5



184,600 lb  
+  
60,400 lb



**272.3 ft**

ft	o	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	79,400
70	76.7	272.4	78,500
75	75.6	271.1	72,800
80	74.5	269.8	66,700
85	73.4	268.3	61,400
90	72.3	266.7	56,600
95	71.2	265.0	52,300
100	70.1	263.2	48,500
105	68.9	261.3	44,800
110	67.8	259.2	41,500
115	66.7	257.1	38,600
120	65.5	254.8	35,900
125	64.3	252.4	33,400
130	63.2	249.9	31,200
135	62.0	247.3	29,100
140	60.8	244.5	27,200
145	59.5	241.5	25,400
150	58.3	238.5	23,800
155	57.1	235.3	22,200
160	55.8	231.9	20,700
165	54.5	228.3	19,300
170	53.2	224.6	17,900
175	51.8	220.7	16,700
180	50.5	216.6	15,500
185	49.1	212.3	14,400
190	47.7	207.8	13,300
195	46.2	203.1	12,300
200	44.7	198.1	11,300
205	43.2	192.8	10,400
210	41.6	187.2	9,500
215	40.0	181.3	8,600
220	38.3	175.1	7,800
225	36.6	168.5	7,100
230	34.8	161.4	6,300
235	32.8	153.8	5,600
240	30.8	145.6	4,900
245	28.7	136.6	4,300

**282.2 ft**

ft	o	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	72,200
75	76.1	281.3	71,500
80	75.0	280.0	66,200
85	74.0	278.6	60,800
90	72.9	277.0	56,000
95	71.9	275.4	51,800
100	70.8	273.7	47,900
105	69.7	271.8	44,400
110	68.6	269.9	41,200
115	67.5	267.8	38,200
120	66.4	265.6	35,500
125	65.3	263.3	33,000
130	64.2	260.9	30,800
135	63.0	258.4	28,700
140	61.9	255.7	26,800
145	60.7	253.0	24,900
150	59.5	250.0	23,200
155	58.3	247.0	21,600
160	57.1	243.7	20,100
165	55.9	240.4	18,700
170	54.7	236.9	17,400
175	53.4	233.2	16,100
180	52.1	229.3	14,900
185	50.8	225.3	13,800
190	49.5	221.0	12,700
195	48.1	216.6	11,700
200	46.7	211.9	10,700
205	45.3	207.0	9,800
210	43.9	201.9	8,900
215	42.4	196.4	8,100
220	40.8	190.7	7,300
225	39.2	184.6	6,500
230	37.6	178.2	5,800
235	35.9	171.4	5,000
240	34.1	164.1	4,400

**292.0 ft**

ft	o	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	65,400
80	75.6	290.2	64,500
85	74.5	288.8	60,100
90	73.5	287.3	55,300
95	72.5	285.8	51,100
100	71.5	284.1	47,200
105	70.4	282.3	43,700
110	69.4	280.4	40,500
115	68.3	278.5	37,600
120	67.3	276.4	34,900
125	66.2	274.2	32,400
130	65.1	271.9	30,200
135	64.0	269.4	28,000
140	62.9	266.9	26,100
145	61.8	264.2	24,200
150	60.7	261.4	22,500
155	59.5	258.5	20,900
160	58.4	255.4	19,400
165	57.2	252.2	18,000
170	56.0	248.9	16,700
175	54.8	245.4	15,400
180	53.6	241.7	14,200
185	52.4	237.9	13,100
190	51.1	233.9	12,000
195	49.9	229.7	11,000
200	48.5	225.3	10,000
205	47.2	220.7	9,100
210	45.9	215.9	8,200
215	44.5	210.9	7,400
220	43.0	205.6	6,600
225	41.6	200.0	5,800
230	40.0	194.1	5,100
235	38.5	187.9	4,400