


Liftcrane Boom Capacities

Boom No. B10:76A
149,600 lb Crane Counterweight
60,400 lb Carbody Counterweight
360 Degree Rating

MLC200 SERIES 2

 **LIFTING CAPACITIES:** Lifting capacities for various boom lengths and operating radii are for freely suspended loads and may be based on percent of static tipping or strength of structural components. Capacities must be reduced by applicable deducts.


Upper boom point capacity for liftcrane service with single part whip line from Drum 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. A022-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.

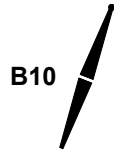
Combined weight beneath boom point sheaves must not exceed block weight shown.

Table 1

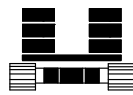
Boom Length (ft)	Maximum Number of Lower Boom Point Sheaves	Over End or Side of Crawlers	Over End of Blocked Crawlers
		Block Weight (lb)	
65.6 - 183.7	7	8,000	8,000
193.6	7	7,200	8,000
203.4	7	5,200	6,500
213.3	7	3,200	4,900
223.1	7	#	4,100
232.9	2	#	4,000
242.8	2	#	#
252.6	2		#
262.5	2		#
272.3 (a)	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



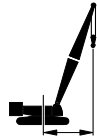
Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



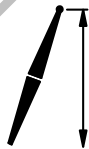
Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)



Lifting Capacities
(see page 1)

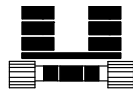
REFERENCE ONLY!

MLC200 S-2

ASME B30.5



B10



149,600 lb
+
60,400 lb



360°

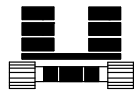
65.6 ft			
ft	°	ft	lb
15	83.2	72.9	389,700 b
16	82.3	72.7	367,300 b
17	81.4	72.5	347,200 b
18	80.5	72.3	329,100 b
19	79.7	72.1	312,800 b
20	78.8	71.9	297,900 b
21	77.9	71.6	284,400 b
22	77.0	71.4	272,000 b
23	76.1	71.1	260,600 b
24	75.1	70.8	250,000
25	74.2	70.5	240,300
26	73.3	70.2	231,200
27	72.4	69.8	222,800
28	71.5	69.5	214,900
29	70.5	69.1	207,600
30	69.6	68.7	200,700
31	68.6	68.3	194,200
32	67.7	67.8	188,100
33	66.7	67.4	180,500
34	65.8	66.9	172,600
36	63.8	65.8	158,600
38	61.8	64.7	146,600
40	59.8	63.5	136,100
42	57.7	62.2	127,000
44	55.5	60.8	118,900
46	53.3	59.3	111,600
48	51.1	57.6	105,200
50	48.7	55.8	99,300
55	42.4	50.5	86,900
60	35.1	43.8	76,900
65	25.9	34.6	68,600
68	18.3	26.5	64,300

75.5 ft			
ft	°	ft	lb
17	82.6	82.5	346,800 b
18	81.8	82.3	328,700 b
19	81.0	82.2	312,400 b
20	80.3	82.0	297,500 b
21	79.5	81.7	284,000 b
22	78.7	81.5	271,600 b
23	77.9	81.3	260,200 b
24	77.1	81.0	249,700
25	76.3	80.8	239,900
26	75.6	80.5	230,900
27	74.8	80.2	222,400
28	74.0	79.9	214,600
29	73.2	79.5	207,200
30	72.4	79.2	200,300
31	71.6	78.8	193,900
32	70.8	78.5	187,800
33	69.9	78.1	180,600
34	69.1	77.7	172,700
36	67.5	76.8	158,700
38	65.8	75.9	146,700
40	64.1	74.9	136,200
42	62.4	73.8	127,100
44	60.6	72.6	118,900
46	58.8	71.4	111,700
48	57.0	70.0	105,200
50	55.1	68.6	99,400
55	50.2	64.5	87,000
60	44.9	59.7	77,000
65	39.1	53.8	68,800
70	32.3	46.4	62,000
75	23.7	36.2	56,100
78	16.5	27.2	52,900

85.3 ft			
ft	°	ft	lb
18	82.8	92.3	328,500
19	82.1	92.1	312,200
20	81.4	92.0	297,400
21	80.7	91.8	283,800
22	80.0	91.6	271,400
23	79.3	91.4	260,000
24	78.6	91.2	249,500
25	78.0	90.9	239,800
26	77.3	90.7	230,700
27	76.6	90.4	222,300
28	75.9	90.1	214,400
29	75.2	89.9	207,100
30	74.5	89.6	200,200
31	73.8	89.2	193,700
32	73.1	88.9	187,600
33	72.4	88.6	180,800
34	71.6	88.2	172,900
36	70.2	87.5	158,900
38	68.8	86.7	146,900
40	67.3	85.8	136,400
42	65.8	84.9	127,200
44	64.3	83.9	119,100
46	62.8	82.8	111,900
48	61.3	81.7	105,400
50	59.7	80.5	99,500
55	55.6	77.1	87,100
60	51.4	73.2	77,200
65	46.8	68.6	69,000
70	41.9	63.3	62,200
75	36.4	56.8	56,400
80	30.0	48.7	51,300
85	21.9	37.7	46,900
87	17.6	31.6	45,300

MLC200 S-2

ASME B30.5



149,600 lb
+
60,400 lb



95.1 ft

ft	°	ft	lb
19	82.9	102.1	311,700
20	82.3	102.0	296,900
21	81.7	101.8	283,300
22	81.1	101.6	270,900
23	80.5	101.4	259,500
24	79.8	101.2	249,000
25	79.2	101.0	239,300
26	78.6	100.8	230,200
27	78.0	100.6	221,800
28	77.4	100.3	214,000
29	76.8	100.1	206,600
30	76.1	99.8	199,700
31	75.5	99.5	193,300
32	74.9	99.2	187,200
33	74.2	98.9	180,800
34	73.6	98.6	172,900
36	72.3	98.0	158,800
38	71.1	97.2	146,800
40	69.8	96.5	136,300
42	68.5	95.7	127,100
44	67.2	94.8	119,000
46	65.8	93.9	111,700
48	64.5	92.9	105,200
50	63.1	91.8	99,400
55	59.7	88.9	87,000
60	56.1	85.6	77,000
65	52.3	81.8	68,800
70	48.3	77.5	62,000
75	44.0	72.4	56,200
80	39.4	66.6	51,200
85	34.2	59.5	46,900
90	28.1	50.8	43,000
95	20.3	38.9	39,600
97	16.2	32.3	38,300

105.0 ft

ft	°	ft	lb
20	83.0	111.9	296,800
21	82.5	111.8	283,300
22	81.9	111.6	270,900
23	81.4	111.4	259,500
24	80.8	111.2	249,000
25	80.3	111.1	239,200
26	79.7	110.9	230,200
27	79.1	110.7	221,800
28	78.6	110.4	213,900
29	78.0	110.2	206,600
30	77.5	110.0	199,700
31	76.9	109.7	193,200
32	76.3	109.5	187,200
33	75.8	109.2	180,900
34	75.2	108.9	173,000
36	74.1	108.3	159,000
38	72.9	107.7	146,900
40	71.8	107.0	136,400
42	70.6	106.2	127,200
44	69.4	105.5	119,100
46	68.2	104.6	111,800
48	67.1	103.8	105,300
50	65.9	102.9	99,500
55	62.8	100.3	87,100
60	59.6	97.4	77,100
65	56.4	94.2	69,000
70	53.0	90.4	62,100
75	49.4	86.2	56,400
80	45.7	81.5	51,400
85	41.6	76.0	47,000
90	37.2	69.6	43,200
95	32.2	62.1	39,800
100	26.5	52.7	36,800
105	19.0	40.0	34,100
106	17.1	36.7	33,500

114.8 ft

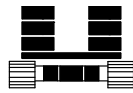
ft	°	ft	lb
21	83.1	121.7	282,800
22	82.6	121.6	270,400
23	82.1	121.4	259,000
24	81.6	121.2	248,400
25	81.1	121.1	238,700
26	80.6	120.9	229,700
27	80.1	120.7	221,300
28	79.6	120.5	213,400
29	79.1	120.3	206,100
30	78.6	120.1	199,200
31	78.0	119.8	192,700
32	77.5	119.6	186,700
33	77.0	119.4	180,800
34	76.5	119.1	172,900
36	75.5	118.6	158,800
38	74.4	118.0	146,700
40	73.4	117.4	136,200
42	72.3	116.7	127,000
44	71.3	116.0	118,800
46	70.2	115.3	111,600
48	69.1	114.5	105,100
50	68.1	113.6	99,200
55	65.3	111.4	86,800
60	62.5	108.8	76,900
65	59.6	105.9	68,700
70	56.7	102.7	61,900
75	53.6	99.0	56,100
80	50.4	95.0	51,100
85	47.0	90.4	46,800
90	43.4	85.2	43,000
95	39.5	79.3	39,600
100	35.3	72.5	36,600
105	30.6	64.5	33,900
110	25.0	54.5	31,400
115	17.8	41.0	29,200
116	16.0	37.5	28,700

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ASME B30.5



B10



149,600 lb
+
60,400 lb



360°

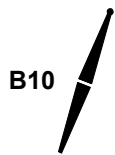
124.7 ft			
ft	°	ft	lb
22	83.2	131.5	270,000
23	82.7	131.4	258,600
24	82.3	131.2	248,100
25	81.8	131.0	238,400
26	81.3	130.9	229,300
27	80.9	130.7	220,900
28	80.4	130.5	213,100
29	79.9	130.3	205,800
30	79.5	130.1	198,900
31	79.0	129.9	192,400
32	78.5	129.7	186,300
33	78.1	129.5	180,600
34	77.6	129.2	172,800
36	76.6	128.7	158,700
38	75.7	128.2	146,600
40	74.7	127.7	136,100
42	73.8	127.0	126,900
44	72.8	126.4	118,700
46	71.8	125.7	111,400
48	70.9	125.0	104,900
50	69.9	124.3	99,100
55	67.4	122.2	86,600
60	64.9	119.9	76,700
65	62.3	117.3	68,500
70	59.6	114.4	61,700
75	56.9	111.2	55,900
80	54.1	107.6	50,900
85	51.1	103.6	46,600
90	48.1	99.2	42,800
95	44.8	94.3	39,400
100	41.4	88.7	36,400
105	37.7	82.5	33,800
110	33.7	75.2	31,300
115	29.1	66.7	29,100
120	23.8	56.2	27,100
125	16.8	41.9	25,200
126	15.0	38.1	24,800

134.5 ft			
ft	°	ft	lb
24	82.8	141.2	247,600
25	82.4	141.0	237,800
26	82.0	140.9	228,800
27	81.6	140.7	220,400
28	81.1	140.5	212,600
29	80.7	140.3	205,200
30	80.3	140.2	198,300
31	79.8	140.0	191,900
32	79.4	139.8	185,800
33	78.9	139.6	180,100
34	78.5	139.3	172,600
36	77.6	138.9	158,500
38	76.8	138.4	146,400
40	75.9	137.9	135,800
42	75.0	137.3	126,600
44	74.1	136.7	118,400
46	73.2	136.1	111,200
48	72.3	135.4	104,600
50	71.4	134.8	98,800
55	69.1	132.9	86,300
60	66.8	130.7	76,400
65	64.5	128.4	68,200
70	62.1	125.8	61,300
75	59.6	122.9	55,500
80	57.1	119.7	50,600
85	54.5	116.1	46,200
90	51.8	112.3	42,400
95	49.0	108.0	39,100
100	46.0	103.2	36,100
105	42.9	98.0	33,400
110	39.7	92.1	31,000
115	36.1	85.4	28,800
120	32.2	77.8	26,800
125	27.8	68.8	24,900
130	22.7	57.7	23,200
135	15.9	42.6	21,600

144.4 ft			
ft	°	ft	lb
25	82.9	151.0	235,300
26	82.5	150.8	228,700
27	82.1	150.7	220,200
28	81.7	150.5	212,400
29	81.3	150.3	205,100
30	80.9	150.2	198,200
31	80.5	150.0	191,700
32	80.1	149.8	185,600
33	79.7	149.6	179,900
34	79.3	149.4	172,500
36	78.5	149.0	158,400
38	77.7	148.5	146,300
40	76.9	148.0	135,800
42	76.0	147.5	126,500
44	75.2	147.0	118,300
46	74.4	146.4	111,100
48	73.6	145.8	104,500
50	72.7	145.2	98,700
55	70.6	143.4	86,200
60	68.5	141.5	76,300
65	66.3	139.3	68,100
70	64.1	136.9	61,200
75	61.9	134.2	55,400
80	59.6	131.3	50,500
85	57.2	128.2	46,100
90	54.8	124.7	42,300
95	52.3	120.9	39,000
100	49.7	116.7	36,000
105	47.1	112.1	33,300
110	44.2	107.1	30,900
115	41.3	101.5	28,700
120	38.1	95.3	26,700
125	34.7	88.2	24,900
130	30.9	80.2	23,200
135	26.7	70.8	21,600
140	21.7	59.1	20,200
145	15.0	43.2	18,800

MLC200 S-2

ASME B30.5



149,600 lb
+
60,400 lb



154.2 ft

ft	o	ft	lb
26	83.0	160.8	225,300
27	82.6	160.6	219,700
28	82.3	160.5	211,900
29	81.9	160.3	204,500
30	81.5	160.1	197,700
31	81.1	160.0	191,200
32	80.8	159.8	185,100
33	80.4	159.6	179,400
34	80.0	159.4	172,300
36	79.2	159.0	158,200
38	78.5	158.6	146,100
40	77.7	158.2	135,500
42	77.0	157.7	126,300
44	76.2	157.2	118,100
46	75.4	156.6	110,800
48	74.6	156.1	104,300
50	73.9	155.5	98,400
55	71.9	153.9	85,900
60	69.9	152.0	75,900
65	67.9	150.0	67,700
70	65.9	147.8	60,900
75	63.8	145.4	55,100
80	61.7	142.7	50,100
85	59.6	139.8	45,800
90	57.4	136.6	42,000
95	55.1	133.2	38,600
100	52.8	129.5	35,600
105	50.4	125.4	32,900
110	47.9	120.9	30,500
115	45.3	116.1	28,300
120	42.6	110.7	26,300
125	39.8	104.8	24,500
130	36.7	98.3	22,800
135	33.4	90.9	21,300
140	29.7	82.5	19,800
145	25.6	72.6	18,500
150	20.7	60.5	17,200
154	15.8	47.7	16,300

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	197,300
31	81.7	170.0	190,800
32	81.3	169.8	184,700
33	81.0	169.6	179,000
34	80.6	169.4	172,200
36	79.9	169.1	158,000
38	79.2	168.7	145,900
40	78.5	168.3	135,300
42	77.8	167.8	126,000
44	77.0	167.3	117,800
46	76.3	166.8	110,500
48	75.6	166.3	104,000
50	74.9	165.7	98,100
55	73.0	164.2	85,600
60	71.2	162.5	75,600
65	69.3	160.7	67,400
70	67.4	158.6	60,600
75	65.5	156.3	54,800
80	63.6	153.9	49,800
85	61.6	151.2	45,500
90	59.6	148.3	41,700
95	57.5	145.1	38,300
100	55.4	141.7	35,300
105	53.2	138.0	32,600
110	51.0	134.0	30,200
115	48.7	129.7	28,000
120	46.3	125.0	26,100
125	43.8	119.8	24,200
130	41.2	114.2	22,600
135	38.4	108.0	21,000
140	35.4	101.2	19,600
145	32.2	93.5	18,200
150	28.7	84.7	17,000
155	24.7	74.4	15,800
160	19.9	61.7	14,700
164	15.1	48.4	13,900

173.9 ft

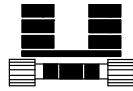
ft	o	ft	lb
28	83.1	180.3	199,100
29	82.8	180.2	196,600
30	82.5	180.1	194,100
31	82.1	179.9	190,300
32	81.8	179.8	184,200
33	81.5	179.6	178,500
34	81.1	179.4	172,000
36	80.5	179.1	157,800
38	79.8	178.7	145,600
40	79.1	178.3	135,000
42	78.5	177.9	125,800
44	77.8	177.4	117,500
46	77.1	177.0	110,200
48	76.4	176.5	103,700
50	75.7	175.9	97,800
55	74.0	174.5	85,300
60	72.3	172.9	75,300
65	70.6	171.2	67,100
70	68.8	169.3	60,200
75	67.0	167.2	54,400
80	65.2	164.9	49,400
85	63.4	162.4	45,100
90	61.5	159.7	41,300
95	59.6	156.8	37,900
100	57.6	153.6	34,900
105	55.6	150.2	32,200
110	53.6	146.6	29,800
115	51.5	142.7	27,600
120	49.3	138.4	25,600
125	47.1	133.8	23,800
130	44.8	128.9	22,100
135	42.4	123.5	20,600
140	39.8	117.6	19,200
145	37.1	111.1	17,800
150	34.3	104.0	16,600
155	31.1	96.0	15,400
160	27.7	86.8	14,300
165	23.8	76.1	13,300
170	19.2	62.9	12,300
173	15.7	52.9	11,800

MLC200 S-2

ASME B30.5



B10



149,600 lb
+
60,400 lb



360°

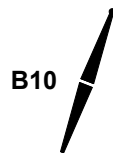
183.7 ft			
ft	o	ft	lb
29	83.2	190.1	178,600
30	82.9	190.0	176,500
31	82.6	189.9	174,600
32	82.3	189.7	172,600
33	81.9	189.6	170,700
34	81.6	189.4	168,800
36	81.0	189.1	157,600
38	80.4	188.7	145,400
40	79.7	188.3	134,800
42	79.1	187.9	125,600
44	78.5	187.5	117,300
46	77.8	187.1	110,000
48	77.2	186.6	103,500
50	76.5	186.1	97,600
55	74.9	184.8	85,100
60	73.3	183.3	75,100
65	71.6	181.6	66,800
70	70.0	179.8	60,000
75	68.3	177.9	54,200
80	66.6	175.7	49,200
85	64.9	173.4	44,800
90	63.2	170.9	41,000
95	61.4	168.2	37,700
100	59.6	165.2	34,700
105	57.7	162.1	32,000
110	55.9	158.8	29,600
115	53.9	155.1	27,400
120	52.0	151.3	25,400
125	49.9	147.1	23,600
130	47.8	142.6	21,900
135	45.7	137.8	20,400
140	43.4	132.6	19,000
145	41.1	127.0	17,600
150	38.6	120.8	16,400
155	36.0	114.1	15,300
160	33.2	106.6	14,200
165	30.2	98.3	13,200
170	26.8	88.8	12,200
175	23.0	77.7	11,300
180	18.4	64.0	10,400
183	15.1	53.5	9,900

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	157,400
38	80.9	198.7	145,200
40	80.3	198.4	134,600
42	79.7	198.0	125,300
44	79.0	197.6	117,100
46	78.4	197.2	109,700
48	77.8	196.7	103,200
50	77.2	196.3	97,300
55	75.7	195.0	84,800
60	74.2	193.6	74,700
65	72.6	192.0	66,500
70	71.1	190.3	59,600
75	69.5	188.5	53,800
80	67.9	186.4	48,800
85	66.3	184.2	44,400
90	64.6	181.9	40,600
95	63.0	179.4	37,300
100	61.3	176.6	34,300
105	59.6	173.7	31,600
110	57.8	170.6	29,200
115	56.0	167.3	27,000
120	54.2	163.7	25,000
125	52.4	159.9	23,200
130	50.5	155.8	21,500
135	48.5	151.4	20,000
140	46.5	146.7	18,500
145	44.4	141.7	17,200
150	42.2	136.2	16,000
155	39.9	130.3	14,800
160	37.5	123.9	13,800
165	34.9	116.9	12,800
170	32.2	109.2	11,800
175	29.2	100.6	10,900
180	26.0	90.7	10,100
185	22.3	79.2	9,200
190	17.8	65.0	8,500
192	15.7	58.0	8,200

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	144,900
40	80.7	208.4	134,300
42	80.2	208.0	125,000
44	79.6	207.6	116,800
46	79.0	207.2	109,500
48	78.4	206.8	102,900
50	77.9	206.4	97,000
55	76.4	205.2	84,400
60	75.0	203.8	74,400
65	73.5	202.3	66,200
70	72.0	200.7	59,300
75	70.5	199.0	53,400
80	69.0	197.1	48,400
85	67.5	195.0	44,100
90	65.9	192.8	40,300
95	64.4	190.4	36,900
100	62.8	187.8	33,900
105	61.2	185.1	31,200
110	59.6	182.2	28,800
115	57.9	179.1	26,600
120	56.2	175.8	24,700
125	54.5	172.2	22,800
130	52.7	168.5	21,200
135	50.9	164.4	19,600
140	49.1	160.1	18,200
145	47.1	155.6	16,900
150	45.2	150.6	15,600
155	43.1	145.4	14,500
160	41.0	139.7	13,400
165	38.8	133.6	12,400
170	36.4	127.0	11,500
175	34.0	119.7	10,600
180	31.3	111.7	9,700
185	28.4	102.7	8,900
190	25.2	92.6	8,200
195	21.6	80.6	7,400
200	17.2	65.9	6,700
202	15.1	58.7	6,500

MLC200 S-2

ASME B30.5



149,600 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	124,700
44	80.1	217.6	116,500
46	79.5	217.3	109,200
48	79.0	216.9	102,600
50	78.4	216.4	96,600
55	77.0	215.3	84,100
60	75.7	214.0	74,000
65	74.3	212.6	65,800
70	72.9	211.1	58,900
75	71.4	209.4	53,000
80	70.0	207.6	48,000
85	68.6	205.7	43,700
90	67.1	203.6	39,900
95	65.6	201.3	36,500
100	64.2	198.9	33,500
105	62.6	196.3	30,800
110	61.1	193.6	28,400
115	59.6	190.7	26,200
120	58.0	187.6	24,200
125	56.4	184.3	22,400
130	54.7	180.8	20,700
135	53.1	177.0	19,200
140	51.3	173.1	17,700
145	49.6	168.9	16,400
150	47.8	164.4	15,200
155	45.9	159.6	14,000
160	44.0	154.5	13,000
165	42.0	149.0	12,000
170	39.9	143.1	11,000
175	37.8	136.7	10,100
180	35.5	129.9	9,300
185	33.0	122.3	8,500
190	30.4	114.1	7,700
195	27.6	104.8	7,000
200	24.5	94.3	6,300
205	20.9	82.0	5,700
210	16.6	66.8	5,000
211	15.6	63.2	4,900

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	124,400
44	80.5	227.6	116,100
46	80.0	227.3	108,800
48	79.5	226.9	102,200
50	78.9	226.5	96,300
55	77.6	225.4	83,700
60	76.3	224.2	73,600
65	75.0	222.9	65,400
70	73.6	221.4	58,500
75	72.3	219.8	52,600
80	70.9	218.1	47,600
85	69.6	216.2	43,300
90	68.2	214.3	39,500
95	66.8	212.1	36,100
100	65.4	209.8	33,100
105	64.0	207.4	30,400
110	62.5	204.8	28,000
115	61.0	202.1	25,800
120	59.6	199.2	23,800
125	58.0	196.1	22,000
130	56.5	192.8	20,300
135	54.9	189.3	18,800
140	53.3	185.6	17,300
145	51.7	181.7	16,000
150	50.0	177.5	14,800
155	48.3	173.1	13,600
160	46.6	168.4	12,600
165	44.8	163.5	11,600
170	42.9	158.1	10,600
175	40.9	152.5	9,700
180	38.9	146.4	8,900
185	36.8	139.8	8,100
190	34.6	132.7	7,400
195	32.2	124.9	6,600
200	29.7	116.4	6,000
205	26.9	106.9	5,300
210	23.8	96.0	4,700
215	20.3	83.3	4,100

232.9 ft

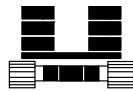
ft	o	ft	lb
35	83.2	239.0	121,900
36	82.9	238.8	121,600
38	82.4	238.6	121,000
40	81.9	238.3	120,400
42	81.4	238.0	119,900
44	80.9	237.6	116,500
46	80.4	237.3	109,100
48	79.9	236.9	102,500
50	79.4	236.5	96,600
55	78.2	235.5	84,000
60	76.9	234.3	73,900
65	75.6	233.1	65,700
70	74.4	231.7	58,800
75	73.1	230.2	52,900
80	71.8	228.5	47,900
85	70.5	226.8	43,500
90	69.2	224.9	39,700
95	67.8	222.8	36,300
100	66.5	220.7	33,300
105	65.1	218.4	30,600
110	63.8	215.9	28,200
115	62.4	213.3	26,000
120	61.0	210.6	24,000
125	59.6	207.6	22,200
130	58.1	204.5	20,500
135	56.6	201.3	19,000
140	55.1	197.8	17,600
145	53.6	194.2	16,200
150	52.1	190.3	15,000
155	50.5	186.2	13,900
160	48.8	181.9	12,800
165	47.2	177.3	11,800
170	45.5	172.4	10,800
175	43.7	167.2	10,000
180	41.9	161.7	9,100
185	40.0	155.8	8,300
190	38.0	149.5	7,600
195	35.9	142.8	6,900
200	33.7	135.4	6,200
205	31.4	127.4	5,600
210	28.9	118.6	4,900
215	26.2	108.8	4,400

MLC200 S-2

ASME B30.5



B10



149,600 lb
+
60,400 lb



360°

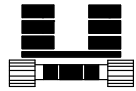
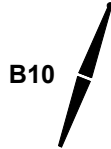
242.8 ft			
ft	°	ft	lb
36	83.2	248.8	110,600
38	82.7	248.5	110,100
40	82.2	248.2	109,500
42	81.8	247.9	109,100
44	81.3	247.6	108,400
46	80.8	247.3	107,900
48	80.3	246.9	102,200
50	79.9	246.6	96,300
55	78.7	245.6	83,700
60	77.4	244.5	73,600
65	76.2	243.2	65,300
70	75.0	241.9	58,400
75	73.8	240.5	52,600
80	72.5	238.9	47,500
85	71.3	237.2	43,200
90	70.0	235.4	39,300
95	68.8	233.5	36,000
100	67.5	231.4	33,000
105	66.2	229.2	30,300
110	64.9	226.9	27,800
115	63.6	224.4	25,600
120	62.3	221.8	23,600
125	60.9	219.0	21,800
130	59.5	216.1	20,100
135	58.2	213.0	18,600
140	56.8	209.8	17,200
145	55.3	206.3	15,900
150	53.9	202.7	14,600
155	52.4	198.9	13,500
160	50.9	194.8	12,400
165	49.3	190.6	11,400
170	47.7	186.1	10,500
175	46.1	181.3	9,600
180	44.4	176.3	8,700
185	42.7	170.9	7,900
190	40.9	165.2	7,200
195	39.0	159.1	6,500
200	37.1	152.6	5,800
205	35.1	145.6	5,200
210	32.9	138.1	4,600
215	30.7	129.8	4,000

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	96,000
55	79.1	255.6	83,400
60	77.9	254.5	73,300
65	76.8	253.4	65,000
70	75.6	252.1	58,000
75	74.4	250.7	52,200
80	73.2	249.2	47,100
85	72.1	247.6	42,800
90	70.9	245.9	38,900
95	69.6	244.0	35,500
100	68.4	242.1	32,500
105	67.2	240.0	29,800
110	66.0	237.8	27,400
115	64.7	235.4	25,200
120	63.4	232.9	23,200
125	62.2	230.3	21,400
130	60.9	227.5	19,700
135	59.5	224.6	18,100
140	58.2	221.5	16,700
145	56.9	218.3	15,400
150	55.5	214.9	14,200
155	54.1	211.3	13,000
160	52.7	207.5	11,900
165	51.2	203.5	10,900
170	49.7	199.3	10,000
175	48.2	194.9	9,100
180	46.7	190.2	8,300
185	45.1	185.2	7,500
190	43.4	180.0	6,700
195	41.7	174.5	6,000
200	40.0	168.6	5,400
205	38.2	162.3	4,700
210	36.3	155.6	4,100

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	83,100
60	78.4	264.6	73,000
65	77.3	263.5	64,700
70	76.2	262.3	57,700
75	75.0	260.9	51,900
80	73.9	259.5	46,800
85	72.8	258.0	42,400
90	71.6	256.3	38,600
95	70.4	254.5	35,200
100	69.3	252.7	32,200
105	68.1	250.7	29,500
110	66.9	248.5	27,100
115	65.7	246.3	24,900
120	64.5	243.9	22,900
125	63.3	241.4	21,100
130	62.1	238.8	19,400
135	60.8	236.0	17,800
140	59.5	233.1	16,400
145	58.3	230.0	15,100
150	57.0	226.8	13,900
155	55.6	223.4	12,700
160	54.3	219.8	11,600
165	52.9	216.0	10,600
170	51.5	212.1	9,700
175	50.1	208.0	8,800
180	48.7	203.6	8,000
185	47.2	199.0	7,200
190	45.7	194.2	6,400
195	44.1	189.1	5,700
200	42.5	183.7	5,100
205	40.9	178.0	4,400

MLC200 S-2

ASME B30.5



149,600 lb
+
60,400 lb



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	72,500
65	77.7	273.6	64,200
70	76.7	272.4	57,300
75	75.6	271.1	51,400
80	74.5	269.8	46,400
85	73.4	268.3	42,000
90	72.3	266.7	38,200
95	71.2	265.0	34,800
100	70.1	263.2	31,800
105	68.9	261.3	29,100
110	67.8	259.2	26,600
115	66.7	257.1	24,400
120	65.5	254.8	22,400
125	64.3	252.4	20,600
130	63.2	249.9	18,900
135	62.0	247.3	17,400
140	60.8	244.5	16,000
145	59.5	241.5	14,600
150	58.3	238.5	13,400
155	57.1	235.3	12,300
160	55.8	231.9	11,200
165	54.5	228.3	10,200
170	53.2	224.6	9,200
175	51.8	220.7	8,400
180	50.5	216.6	7,500
185	49.1	212.3	6,700
190	47.7	207.8	6,000
195	46.2	203.1	5,300
200	44.7	198.1	4,600
205	43.2	192.8	4,000

REFERENCE ONLY!