


# Liftcrane Boom Capacities

**Boom No. B10:82A**  
**219,600 lb Crane Counterweight**  
**80,000 lb Carbody Counterweight**  
**Rating Over End of Blocked Crawlers**  
**No Travel - Limited Swing**

## MLC250 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 29,500 lb or 59,000 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 12,500 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. 9906-A**. Refer to Boom Rigging **No. 80137888**, Wire Rope Specifications chart **No. 9909-A**, Counterweight Arrangements chart **No. 9893-A**, and Wind Conditions chart **No. 9908-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 28 ft 2 in. crawlers, 48 in. or 60 in. treads, 10 ft 3 in. retractable gantry, 30 ft live mast, 20 part boom hoist reeving, and boom support straps.

Consult chart **No. 9914-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	5,000	5,700	6,800
40.0	5,800	7,300	8,900
50.0	6,700	8,800	11,000
60.0	7,700	10,400	13,000
70.0	8,400	11,600	14,900
80.0	9,300	12,900	16,900

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

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)
70.0 - 200.0	8	10,000
210.0	8	8,300
220.0	8	6,000
230.0	8	5,100
240.0	8	4,300
250.0	2	4,200
260.0	2	4,100
270.0	2	3,000
280.0	2	#
290.0 (a)	2	#

REFERENCE ONLY!

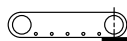
## Explanation of Symbols



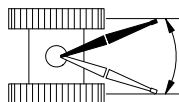
Boom No. B10:82A



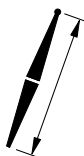
Crane Counterweight  
+  
Carbody Counterweight



Blocked Crawler



Limited Swing



Boom Length



Operating Radius  
(see page 1)



Boom Angle  
(see page 1)



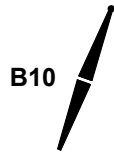
Boom Point Elevation  
(see page 1)



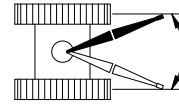
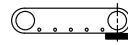
Lifting Capacities  
(see page 1)

# MLC250 S-3

ASME B30.5



**219,600 lb**  
+  
**80,000 lb**



60.0 ft			
ft	°	ft	lb
15	82.6	67.3	551,200 <sup>1</sup>

1 Note: Special equipment required.

70.0 ft			
ft	°	ft	lb
16	82.8	77.4	500,000 b
17	82.0	77.2	462,500 b
18	81.1	77.0	438,600 b
19	80.3	76.8	417,100 b
20	79.5	76.6	397,500 b
22	77.8	76.1	363,200 b
24	76.1	75.6	334,200 b
26	74.4	75.0	309,300
28	72.7	74.3	287,700
30	70.9	73.6	268,800
32	69.2	72.8	252,200
34	67.4	71.9	237,400
36	65.6	71.0	224,100
38	63.7	70.0	212,200
40	61.9	68.9	201,400
42	60.0	67.7	191,600
44	58.0	66.4	182,600
46	56.0	65.0	174,400
48	54.0	63.5	166,800
50	51.9	61.9	158,100
55	46.3	57.2	135,500
60	40.1	51.5	116,600
65	32.9	44.3	100,100
70	23.7	34.3	84,700

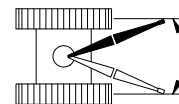
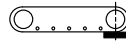
80.0 ft			
ft	°	ft	lb
17	83.0	87.3	448,300 b
18	82.3	87.2	437,800 b
19	81.5	87.0	416,300 b
20	80.8	86.8	396,700 b
22	79.4	86.4	362,400 b
24	77.9	85.9	333,400 b
26	76.4	85.4	308,500
28	74.9	84.8	287,000
30	73.4	84.2	268,100
32	71.9	83.5	251,500
34	70.4	82.8	236,700
36	68.8	82.0	223,500
38	67.3	81.1	211,500
40	65.7	80.2	200,700
42	64.1	79.2	190,900
44	62.5	78.1	182,000
46	60.8	76.9	173,800
48	59.1	75.7	166,200
50	57.4	74.4	159,200
55	53.0	70.7	142,300
60	48.2	66.3	123,800
65	43.1	61.1	108,200
70	37.3	54.9	94,600
75	30.6	47.0	82,300
80	22.0	36.1	70,300

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



**90.0 ft**

ft	o	ft	lb
19	82.5	97.1	402,500 b
20	81.8	97.0	396,000 b
22	80.6	96.6	361,800 b
24	79.3	96.2	332,800 b
26	77.9	95.7	307,900
28	76.6	95.2	286,400
30	75.3	94.7	267,500
32	74.0	94.1	250,900
34	72.6	93.4	236,100
36	71.3	92.7	222,900
38	69.9	91.9	211,000
40	68.6	91.1	200,200
42	67.2	90.3	190,400
44	65.8	89.3	181,400
46	64.3	88.3	173,200
48	62.9	87.3	165,700
50	61.4	86.2	158,700
55	57.7	83.1	143,400
60	53.8	79.5	128,900
65	49.6	75.3	113,400
70	45.2	70.5	100,100
75	40.4	64.8	88,600
80	35.0	58.0	78,300
85	28.7	49.5	68,700
90	20.7	37.9	59,200

**100.0 ft**

ft	o	ft	lb
20	82.7	107.1	385,600 b
22	81.5	106.8	361,700 b
24	80.3	106.4	332,700 b
26	79.2	106.0	307,900
28	78.0	105.5	286,300
30	76.8	105.0	267,500
32	75.6	104.5	250,800
34	74.4	103.9	236,100
36	73.2	103.3	222,800
38	72.0	102.6	210,900
40	70.8	101.9	200,200
42	69.6	101.1	190,400
44	68.3	100.3	181,400
46	67.1	99.4	173,200
48	65.8	98.5	165,700
50	64.6	97.5	158,700
55	61.3	94.8	143,400
60	57.9	91.7	130,600
65	54.4	88.2	117,700
70	50.8	84.2	104,600
75	46.9	79.6	93,200
80	42.7	74.4	83,300
85	38.2	68.2	74,400
90	33.1	60.9	66,300
95	27.2	51.8	58,600
100	19.5	39.5	50,800

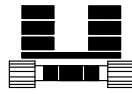
**110.0 ft**

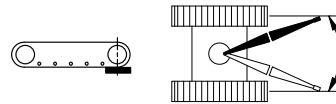
ft	o	ft	lb
22	82.3	116.9	351,100
24	81.2	116.6	332,000
26	80.2	116.2	307,100
28	79.1	115.8	285,600
30	78.0	115.3	266,800
32	77.0	114.8	250,200
34	75.9	114.3	235,400
36	74.8	113.8	222,200
38	73.7	113.1	210,300
40	72.6	112.5	199,500
42	71.5	111.8	189,700
44	70.4	111.1	180,800
46	69.3	110.3	172,600
48	68.2	109.5	165,000
50	67.0	108.6	158,100
55	64.1	106.2	142,800
60	61.2	103.5	130,000
65	58.1	100.4	118,300
70	55.0	97.0	106,700
75	51.7	93.1	96,000
80	48.2	88.7	86,200
85	44.5	83.7	77,500
90	40.6	78.0	69,800
95	36.3	71.5	62,700
100	31.5	63.7	56,100
105	25.8	54.1	49,800
110	18.6	41.1	43,300


# MLC250 S-3

ASME B30.5

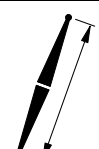


 219,600 lb  
+  
80,000 lb

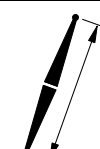


 **120.0 ft**

ft	o	ft	lb
22	82.9	127.0	324,500
24	82.0	126.7	324,500
26	81.0	126.4	306,900
28	80.0	126.0	285,400
30	79.1	125.6	266,600
32	78.1	125.1	250,000
34	77.1	124.7	235,200
36	76.1	124.1	222,000
38	75.1	123.6	210,100
40	74.1	123.0	199,300
42	73.1	122.4	189,500
44	72.1	121.7	180,600
46	71.1	121.0	172,400
48	70.1	120.2	164,800
50	69.1	119.5	157,900
55	66.5	117.3	142,600
60	63.8	114.9	129,800
65	61.1	112.1	118,300
70	58.3	109.1	106,600
75	55.4	105.7	96,800
80	52.4	101.9	88,500
85	49.3	97.7	80,300
90	46.0	92.9	72,600
95	42.5	87.6	65,700
100	38.8	81.5	59,500
105	34.7	74.6	53,700
110	30.1	66.3	48,300
115	24.7	56.2	43,000
120	17.7	42.5	37,400

 **130.0 ft**

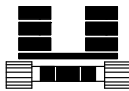
ft	o	ft	lb
24	82.6	136.8	295,000
26	81.7	136.5	295,000
28	80.8	136.2	284,900
30	79.9	135.8	266,100
32	79.0	135.4	249,500
34	78.1	134.9	234,700
36	77.2	134.5	221,500
38	76.3	133.9	209,600
40	75.4	133.4	198,800
42	74.5	132.8	189,100
44	73.5	132.2	180,100
46	72.6	131.6	171,900
48	71.7	130.9	164,400
50	70.7	130.2	157,400
55	68.4	128.2	142,200
60	66.0	126.0	129,400
65	63.5	123.5	118,100
70	61.0	120.8	106,500
75	58.4	117.8	96,600
80	55.8	114.4	88,300
85	53.0	110.7	81,000
90	50.2	106.6	74,600
95	47.2	102.0	67,800
100	44.1	97.0	61,600
105	40.7	91.3	56,100
110	37.1	84.9	50,900
115	33.2	77.5	46,100
120	28.8	68.9	41,500
125	23.6	58.2	37,000
130	17.0	44.0	32,200

 **140.0 ft**

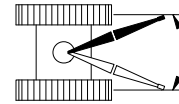
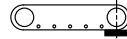
ft	o	ft	lb
26	82.3	146.6	293,400
28	81.5	146.3	284,700
30	80.6	146.0	265,800
32	79.8	145.6	249,200
34	79.0	145.2	234,500
36	78.1	144.7	221,200
38	77.3	144.3	209,300
40	76.5	143.8	198,600
42	75.6	143.2	188,800
44	74.8	142.7	179,900
46	73.9	142.1	171,700
48	73.0	141.4	164,100
50	72.2	140.8	157,200
55	70.0	139.0	141,900
60	67.8	137.0	129,100
65	65.6	134.7	118,000
70	63.3	132.2	106,300
75	60.9	129.5	96,500
80	58.5	126.4	88,100
85	56.1	123.1	80,900
90	53.5	119.5	74,600
95	50.9	115.4	69,000
100	48.2	111.0	63,400
105	45.3	106.2	57,900
110	42.3	100.8	52,900
115	39.1	94.8	48,200
120	35.7	88.1	43,900
125	31.9	80.3	39,800
130	27.7	71.3	35,900
135	22.7	60.2	32,000
140	16.3	45.3	27,800

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



**150.0 ft**

ft	o	ft	lb
26	82.8	156.7	264,900
28	82.0	156.4	258,900
30	81.3	156.1	253,200
32	80.5	155.8	247,600
34	79.7	155.4	233,700
36	78.9	155.0	220,500
38	78.2	154.5	208,600
40	77.4	154.1	197,900
42	76.6	153.6	188,100
44	75.8	153.0	179,200
46	75.0	152.5	171,000
48	74.2	151.9	163,400
50	73.4	151.3	156,500
55	71.4	149.6	141,200
60	69.4	147.8	128,400
65	67.3	145.7	117,500
70	65.2	143.4	105,900
75	63.0	140.9	96,100
80	60.9	138.1	87,700
85	58.6	135.1	80,500
90	56.4	131.8	74,100
95	54.0	128.2	68,600
100	51.6	124.3	63,700
105	49.1	120.0	58,900
110	46.4	115.3	53,900
115	43.7	110.2	49,300
120	40.8	104.5	45,100
125	37.7	98.2	41,200
130	34.4	91.1	37,500
135	30.8	83.1	34,000
140	26.7	73.6	30,600
145	21.9	62.1	27,100
150	15.7	46.7	23,400

**160.0 ft**

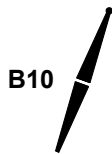
ft	o	ft	lb
28	82.5	166.5	236,000
30	81.8	166.2	236,000
32	81.1	165.9	236,000
34	80.4	165.6	232,200
36	79.6	165.2	220,200
38	78.9	164.8	208,300
40	78.2	164.3	197,500
42	77.4	163.9	187,800
44	76.7	163.4	178,800
46	76.0	162.9	170,600
48	75.2	162.3	163,100
50	74.5	161.7	156,200
55	72.6	160.2	140,900
60	70.7	158.5	128,100
65	68.8	156.5	117,200
70	66.8	154.4	105,700
75	64.9	152.1	95,900
80	62.9	149.5	87,500
85	60.8	146.8	80,200
90	58.7	143.8	73,900
95	56.6	140.5	68,400
100	54.4	137.0	63,400
105	52.1	133.1	59,000
110	49.8	128.9	55,000
115	47.4	124.4	50,500
120	44.9	119.5	46,300
125	42.2	114.0	42,500
130	39.4	108.1	38,900
135	36.5	101.5	35,600
140	33.3	94.1	32,400
145	29.8	85.7	29,300
150	25.8	75.9	26,300
155	21.2	63.9	23,300
160	15.2	47.9	20,000

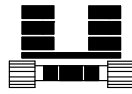
**170.0 ft**

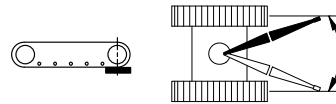
ft	o	ft	lb
28	83.0	176.6	231,700
30	82.3	176.4	227,200
32	81.6	176.0	222,700
34	80.9	175.7	218,400
36	80.3	175.4	214,200
38	79.6	175.0	207,800
40	78.9	174.6	197,000
42	78.2	174.1	187,200
44	77.5	173.7	178,300
46	76.8	173.2	170,100
48	76.1	172.7	162,600
50	75.4	172.1	155,600
55	73.7	170.7	140,400
60	71.9	169.1	127,600
65	70.1	167.3	116,700
70	68.3	165.3	105,400
75	66.4	163.1	95,600
80	64.6	160.8	87,200
85	62.7	158.2	79,900
90	60.8	155.4	73,600
95	58.8	152.4	68,000
100	56.8	149.2	63,100
105	54.7	145.7	58,700
110	52.6	141.9	54,700
115	50.4	137.8	51,200
120	48.2	133.4	47,100
125	45.9	128.6	43,300
130	43.4	123.4	39,800
135	40.9	117.8	36,500
140	38.2	111.5	33,400
145	35.3	104.6	30,500
150	32.2	97.0	27,700
155	28.8	88.2	25,000
160	25.0	78.0	22,300
165	20.5	65.7	19,600

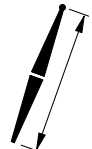
# MLC250 S-3

ASME B30.5

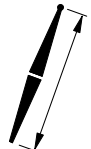


 219,600 lb  
+  
80,000 lb

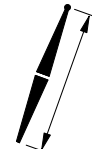


 180.0 ft

ft	°	ft	lb
30	82.7	186.5	206,500
32	82.1	186.2	206,500
34	81.5	185.8	206,500
36	80.8	185.5	203,900
38	80.2	185.2	200,000
40	79.5	184.8	196,000
42	78.9	184.4	186,900
44	78.2	183.9	178,000
46	77.6	183.5	169,800
48	76.9	183.0	162,200
50	76.2	182.5	155,300
55	74.6	181.1	140,100
60	72.9	179.6	127,300
65	71.3	177.9	116,400
70	69.6	176.1	105,200
75	67.8	174.0	95,300
80	66.1	171.8	86,900
85	64.3	169.4	79,600
90	62.5	166.9	73,300
95	60.7	164.1	67,700
100	58.9	161.1	62,800
105	57.0	157.9	58,400
110	55.0	154.4	54,500
115	53.1	150.7	50,900
120	51.0	146.7	47,600
125	48.9	142.4	44,100
130	46.7	137.7	40,500
135	44.5	132.7	37,300
140	42.1	127.3	34,300
145	39.7	121.3	31,400
150	37.1	114.9	28,700
155	34.3	107.7	26,200
160	31.3	99.7	23,700
165	28.0	90.7	21,300
170	24.3	80.2	18,900
175	19.9	67.4	16,500

 190.0 ft

ft	°	ft	lb
32	82.5	196.3	196,900
34	81.9	196.0	193,500
36	81.3	195.7	190,100
38	80.7	195.3	186,900
40	80.1	194.9	183,600
42	79.5	194.6	180,400
44	78.8	194.2	177,300
46	78.2	193.7	169,100
48	77.6	193.3	161,600
50	77.0	192.8	154,600
55	75.4	191.5	139,400
60	73.9	190.1	126,600
65	72.3	188.5	115,700
70	70.7	186.7	104,800
75	69.1	184.8	94,900
80	67.4	182.8	86,500
85	65.8	180.5	79,200
90	64.1	178.1	72,900
95	62.4	175.5	67,300
100	60.7	172.7	62,300
105	58.9	169.8	57,900
110	57.1	166.6	54,000
115	55.3	163.1	50,400
120	53.4	159.4	47,100
125	51.5	155.5	44,200
130	49.5	151.3	41,100
135	47.5	146.8	37,900
140	45.4	141.9	34,800
145	43.2	136.7	32,000
150	40.9	131.0	29,400
155	38.6	124.8	26,800
160	36.0	118.1	24,500
165	33.3	110.7	22,200
170	30.4	102.4	20,000
175	27.2	93.1	17,800
180	23.6	82.2	15,700
185	19.4	69.1	13,500

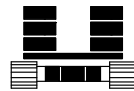
 200.0 ft

ft	°	ft	lb
32	82.9	206.4	177,000
34	82.3	206.1	177,000
36	81.7	205.8	177,000
38	81.2	205.5	176,800
40	80.6	205.1	173,800
42	80.0	204.7	170,700
44	79.4	204.4	167,700
46	78.8	204.0	164,800
48	78.2	203.5	161,200
50	77.6	203.1	154,200
55	76.2	201.8	139,000
60	74.7	200.5	126,200
65	73.2	199.0	115,300
70	71.7	197.3	104,500
75	70.2	195.6	94,600
80	68.6	193.6	86,100
85	67.1	191.5	78,900
90	65.5	189.2	72,500
95	63.9	186.8	67,000
100	62.3	184.2	62,000
105	60.7	181.4	57,600
110	59.0	178.4	53,600
115	57.3	175.2	50,100
120	55.6	171.8	46,800
125	53.8	168.2	43,900
130	52.0	164.3	41,100
135	50.1	160.2	38,400
140	48.2	155.8	35,300
145	46.2	151.0	32,500
150	44.2	146.0	29,900
155	42.1	140.5	27,400
160	39.8	134.6	25,100
165	37.5	128.2	22,800
170	35.1	121.2	20,700
175	32.4	113.6	18,700
180	29.6	105.0	16,700
185	26.5	95.4	14,800
190	23.0	84.2	12,800
195	18.9	70.7	10,800

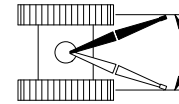
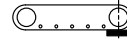


# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



**210.0 ft**

ft	o	ft	lb
34	82.7	216.2	171,700
36	82.1	215.9	170,600
38	81.6	215.6	168,000
40	81.0	215.3	165,400
42	80.5	214.9	162,800
44	79.9	214.5	160,000
46	79.4	214.2	157,200
48	78.8	213.7	154,500
50	78.2	213.3	151,800
55	76.8	212.2	138,400
60	75.4	210.9	125,700
65	74.0	209.4	114,800
70	72.6	207.9	104,100
75	71.1	206.2	94,200
80	69.7	204.4	85,800
85	68.2	202.4	78,500
90	66.7	200.2	72,100
95	65.2	197.9	66,600
100	63.7	195.5	61,600
105	62.2	192.9	57,200
110	60.6	190.1	53,200
115	59.0	187.1	49,700
120	57.4	183.9	46,400
125	55.8	180.5	43,400
130	54.1	176.9	40,700
135	52.4	173.1	38,200
140	50.6	169.1	35,500
145	48.8	164.7	32,700
150	47.0	160.1	30,100
155	45.0	155.2	27,700
160	43.1	149.9	25,300
165	41.0	144.2	23,200
170	38.8	138.1	21,100
175	36.6	131.5	19,100
180	34.2	124.3	17,200
185	31.6	116.4	15,400
190	28.9	107.6	13,600
195	25.8	97.7	11,900
200	22.4	86.2	10,100
205	18.4	72.3	8,300

**220.0 ft**

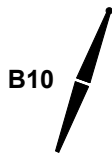
ft	o	ft	lb
34	83.0	226.3	155,200
36	82.5	226.0	154,700
38	82.0	225.7	154,200
40	81.4	225.4	153,700
42	80.9	225.1	153,200
44	80.4	224.7	151,900
46	79.9	224.3	149,400
48	79.3	224.0	146,800
50	78.8	223.5	144,200
55	77.5	222.4	137,800
60	76.1	221.2	125,300
65	74.8	219.9	114,400
70	73.4	218.4	103,800
75	72.0	216.8	93,900
80	70.7	215.0	85,400
85	69.3	213.1	78,100
90	67.9	211.1	71,800
95	66.4	208.9	66,200
100	65.0	206.6	61,300
105	63.6	204.2	56,900
110	62.1	201.5	52,900
115	60.6	198.7	49,300
120	59.1	195.8	46,100
125	57.5	192.6	43,100
130	56.0	189.2	40,400
135	54.4	185.7	37,900
140	52.7	181.9	35,600
145	51.1	177.9	33,000
150	49.4	173.7	30,400
155	47.6	169.1	27,900
160	45.8	164.3	25,600
165	43.9	159.2	23,500
170	42.0	153.7	21,400
175	40.0	147.8	19,500
180	37.9	141.5	17,600
185	35.7	134.7	15,900
190	33.4	127.3	14,200
195	30.9	119.1	12,500
200	28.2	110.1	10,900
205	25.2	99.9	9,300
210	21.9	88.1	7,700
215	17.9	73.8	6,000

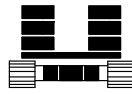
**230.0 ft**

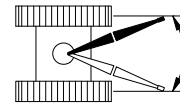
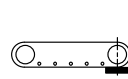
ft	o	ft	lb
36	82.8	236.1	140,200
38	82.3	235.8	139,700
40	81.8	235.5	139,200
42	81.3	235.2	138,600
44	80.8	234.9	137,300
46	80.3	234.5	136,100
48	79.8	234.1	135,100
50	79.3	233.8	134,000
55	78.0	232.7	129,700
60	76.7	231.5	124,200
65	75.4	230.2	113,700
70	74.2	228.8	103,400
75	72.8	227.3	93,400
80	71.5	225.6	85,000
85	70.2	223.8	77,700
90	68.9	221.9	71,300
95	67.5	219.9	65,700
100	66.2	217.7	60,800
105	64.8	215.3	56,300
110	63.4	212.8	52,400
115	62.0	210.2	48,800
120	60.6	207.4	45,500
125	59.1	204.4	42,600
130	57.6	201.3	39,800
135	56.1	197.9	37,300
140	54.6	194.4	35,000
145	53.1	190.7	32,900
150	51.5	186.7	30,300
155	49.9	182.6	27,800
160	48.2	178.1	25,500
165	46.5	173.4	23,400
170	44.7	168.4	21,300
175	42.9	163.1	19,400
180	41.0	157.5	17,600
185	39.1	151.4	15,800
190	37.0	144.9	14,200
195	34.9	137.8	12,600
200	32.6	130.2	11,000
205	30.2	121.8	9,500
210	27.5	112.5	8,100
215	24.6	102.0	6,600
220	21.4	89.9	5,100


# MLC250 S-3

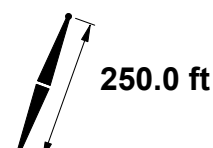
ASME B30.5

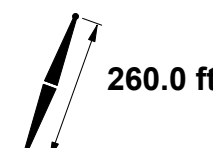


 **219,600 lb**  
+  
**80,000 lb**



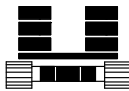
			
ft	°	ft	lb
38	82.6	245.9	127,000
40	82.2	245.6	126,500
42	81.7	245.3	125,700
44	81.2	245.0	124,500
46	80.7	244.7	123,400
48	80.2	244.3	122,300
50	79.7	243.9	121,300
55	78.5	242.9	118,500
60	77.3	241.8	115,900
65	76.1	240.6	112,300
70	74.8	239.2	103,000
75	73.6	237.8	93,100
80	72.3	236.2	84,600
85	71.1	234.5	77,300
90	69.8	232.6	70,900
95	68.5	230.7	65,300
100	67.2	228.6	60,400
105	65.9	226.4	56,000
110	64.6	224.0	52,000
115	63.3	221.5	48,400
120	61.9	218.9	45,100
125	60.5	216.0	42,200
130	59.2	213.1	39,400
135	57.7	209.9	36,900
140	56.3	206.6	34,600
145	54.9	203.1	32,500
150	53.4	199.4	30,300
155	51.9	195.6	27,900
160	50.3	191.4	25,600
165	48.7	187.1	23,400
170	47.1	182.5	21,400
175	45.4	177.6	19,500
180	43.7	172.4	17,700
185	42.0	166.9	16,000
190	40.1	161.1	14,300
195	38.2	154.8	12,800
200	36.2	148.1	11,300
205	34.1	140.9	9,800
210	31.9	133.0	8,400
215	29.5	124.4	7,100
220	26.9	114.9	5,700
225	24.1	104.1	4,300

			
ft	°	ft	lb
38	82.9	256.0	116,200
40	82.5	255.7	115,300
42	82.0	255.4	114,200
44	81.5	255.1	113,100
46	81.1	254.8	112,000
48	80.6	254.5	111,000
50	80.2	254.1	109,900
55	79.0	253.1	107,700
60	77.8	252.1	105,000
65	76.6	250.9	102,700
70	75.5	249.6	100,500
75	74.3	248.2	93,400
80	73.1	246.7	84,900
85	71.9	245.1	77,600
90	70.6	243.3	71,300
95	69.4	241.4	65,700
100	68.2	239.4	60,700
105	66.9	237.3	56,300
110	65.7	235.1	52,300
115	64.4	232.7	48,700
120	63.1	230.2	45,400
125	61.8	227.5	42,500
130	60.5	224.7	39,800
135	59.2	221.7	37,300
140	57.8	218.6	35,000
145	56.5	215.3	32,800
150	55.1	211.9	30,800
155	53.7	208.2	28,900
160	52.2	204.4	26,600
165	50.7	200.3	24,400
170	49.2	196.0	22,400
175	47.7	191.5	20,500
180	46.1	186.7	18,700
185	44.5	181.7	17,000
190	42.8	176.4	15,300
195	41.1	170.7	13,800
200	39.3	164.6	12,300
205	37.4	158.2	10,900
210	35.4	151.3	9,500
215	33.4	143.9	8,200
220	31.2	135.8	6,900
225	28.9	127.0	5,700
230	26.4	117.2	4,400

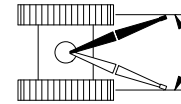
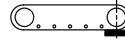
			
ft	°	ft	lb
40	82.8	265.8	105,200
42	82.3	265.6	104,200
44	81.9	265.3	103,200
46	81.4	264.9	102,200
48	81.0	264.6	101,200
50	80.5	264.3	100,200
55	79.4	263.3	97,900
60	78.3	262.3	95,600
65	77.2	261.2	93,400
70	76.0	259.9	91,400
75	74.9	258.6	89,400
80	73.7	257.1	84,600
85	72.6	255.6	77,300
90	71.4	253.9	70,900
95	70.2	252.1	65,300
100	69.1	250.2	60,300
105	67.9	248.2	55,900
110	66.7	246.1	51,900
115	65.5	243.8	48,300
120	64.3	241.4	45,000
125	63.0	238.8	42,100
130	61.8	236.2	39,400
135	60.5	233.4	36,900
140	59.2	230.4	34,500
145	57.9	227.3	32,400
150	56.6	224.0	30,400
155	55.3	220.6	28,600
160	53.9	216.9	26,500
165	52.5	213.1	24,400
170	51.1	209.1	22,400
175	49.7	204.9	20,400
180	48.2	200.5	18,600
185	46.7	195.8	16,900
190	45.1	190.9	15,300
195	43.6	185.7	13,800
200	41.9	180.2	12,300
205	40.2	174.3	10,900
210	38.5	168.1	9,600
215	36.6	161.5	8,300
220	34.7	154.4	7,000
225	32.7	146.8	5,800
230	30.6	138.5	4,600

# MLC250 S-3

ASME B30.5



219,600 lb  
+  
80,000 lb



270.0 ft			
ft	o	ft	lb
40	83.0	275.9	96,300
42	82.6	275.6	95,300
44	82.2	275.4	94,300
46	81.7	275.1	93,400
48	81.3	274.8	92,500
50	80.9	274.4	91,500
55	79.8	273.5	89,300
60	78.7	272.5	87,200
65	77.6	271.4	85,100
70	76.6	270.3	83,200
75	75.5	269.0	81,300
80	74.4	267.6	79,500
85	73.2	266.1	76,800
90	72.1	264.5	70,400
95	71.0	262.8	64,800
100	69.9	260.9	59,800
105	68.7	259.0	55,400
110	67.6	256.9	51,400
115	66.4	254.8	47,800
120	65.3	252.5	44,500
125	64.1	250.1	41,500
130	62.9	247.5	38,800
135	61.7	244.8	36,300
140	60.5	242.0	34,000
145	59.3	239.1	31,900
150	58.0	236.0	29,900
155	56.7	232.7	28,000
160	55.4	229.3	26,200
165	54.1	225.7	24,100
170	52.8	221.9	22,000
175	51.5	218.0	20,100
180	50.1	213.8	18,300
185	48.7	209.4	16,600
190	47.2	204.9	15,000
195	45.8	200.0	13,500
200	44.2	194.9	12,000
205	42.7	189.6	10,600
210	41.1	183.9	9,300
215	39.4	177.9	8,000
220	37.7	171.5	6,800
225	35.9	164.7	5,600
230	34.0	157.5	4,500

280.0 ft			
ft	o	ft	lb
42	82.9	285.7	86,500
44	82.5	285.5	85,600
46	82.0	285.2	84,700
48	81.6	284.9	83,900
50	81.2	284.6	83,000
55	80.2	283.7	80,900
60	79.1	282.7	79,000
65	78.1	281.7	77,300
70	77.0	280.5	75,200
75	76.0	279.3	73,400
80	74.9	278.0	71,700
85	73.9	276.5	70,100
90	72.8	275.0	68,300
95	71.7	273.3	64,400
100	70.6	271.6	59,400
105	69.5	269.7	55,000
110	68.4	267.8	51,000
115	67.3	265.7	47,400
120	66.2	263.5	44,100
125	65.1	261.2	41,100
130	64.0	258.7	38,400
135	62.8	256.2	35,900
140	61.6	253.5	33,600
145	60.5	250.7	31,400
150	59.3	247.7	29,500
155	58.1	244.6	27,600
160	56.9	241.4	25,900
165	55.6	238.0	24,000
170	54.4	234.4	21,900
175	53.1	230.7	20,000
180	51.8	226.8	18,200
185	50.5	222.7	16,500
190	49.1	218.4	14,900
195	47.7	213.9	13,400
200	46.3	209.1	11,900
205	44.9	204.2	10,500
210	43.4	198.9	9,200
215	41.9	193.4	7,900
220	40.3	187.6	6,700
225	38.7	181.4	5,600
230	37.0	174.9	4,400

290.0 ft			
ft	o	ft	lb
44	82.7	295.6	78,600
46	82.3	295.3	77,700
48	81.9	295.0	76,900
50	81.5	294.7	76,100
55	80.5	293.9	74,100
60	79.5	292.9	72,200
65	78.5	291.9	70,400
70	77.5	290.8	68,700
75	76.5	289.6	67,000
80	75.5	288.3	65,500
85	74.4	286.9	63,900
90	73.4	285.5	62,400
95	72.4	283.9	60,900
100	71.3	282.2	57,700
105	70.3	280.4	54,500
110	69.2	278.5	50,500
115	68.2	276.5	46,900
120	67.1	274.4	43,600
125	66.0	272.2	40,700
130	64.9	269.9	37,900
135	63.8	267.4	35,400
140	62.7	264.9	33,100
145	61.6	262.2	31,000
150	60.5	259.3	29,000
155	59.3	256.4	27,100
160	58.1	253.3	25,300
165	57.0	250.1	23,500
170	55.8	246.7	21,700
175	54.6	243.1	19,800
180	53.3	239.4	18,000
185	52.1	235.6	16,200
190	50.8	231.5	14,600
195	49.5	227.3	13,100
200	48.2	222.8	11,700
205	46.8	218.2	10,300
210	45.5	213.3	9,000
215	44.1	208.2	7,700
220	42.6	202.8	6,500
225	41.1	197.1	5,300
230	39.6	191.2	4,200