


Liftcrane Boom Capacities

Boom No. B10:500
386,200 lb VPC (Variable Position Counterweight)
Crawler Machine on a Barge
0 Degree thru 3 Degree Static Machine List
No Travel - 360 Degree Rating - Two Swing Drives

MLC300 SERIES 2


 **LIFTING CAPACITIES:** Lifting capacities are for a crawler machine when operating on a barge. Machine shall be positively secured to prevent shifting. 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 6 is 30,000 lb or 60,000 lb with two part whip line. When Drum 2 or Drum 3 is used, capacity with single part whip line is 36,700 lb or 73,500 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 5,000 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 uniformly supporting surface with machine list not to exceed degrees noted. Refer to Boom Rigging **No. 81023380**, Wire Rope Specification chart **No. 9341-A**, Counterweight Arrangement **No. 9345-A**, and Wind Conditions chart **No. 9344-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 at barge deck 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 barge deck to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with two swing drives, 31 ft 10 in. crawlers, 48 in. or 60 in. treads, 30 ft live mast, 24 part boom hoist reeving, boom support straps, and 386,200 lb VPC.

Caution: Luffing jib backstay straps must be removed before use of this chart. *Crane tipping or structural damage may occur.*

Consult chart **No. 9550-A** when jib No. 148 is attached.

Deduct From Capacities When Jib No. 148 is Attached	
Jib Length (ft)	Deduct (lb)
39.4	23,300
59.1	31,900
78.7	40,600
98.4	49,700
118.1	62,300
137.8	70,100

Weight of jib and 6,500 lb suspended beneath jib point have been included in determination of deduct.

Refer to Tables 1 and 2 for raising ability with the maximum weight of all load blocks, hooks, weight balls, slings, and hoist lines beneath boom point sheaves. For block weights shown with #, load blocks, hooks, weight balls, and slings must remain on barge deck 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


Over End or Side of Crawlers				
Boom Length (ft)	Machine List			
	0°	1°	2°	3°
	Block Weight (lb)			
98.4 - 216.5	22,900	22,900	22,900	22,900
236.2	15,800	8,300	8,300	8,300
255.9	8,300	8,300	8,300	8,300
275.6	8,300	#	#	#
295.3	#	#	#	#
315.0	Raising Not Permitted			
334.6				

Table 2


Over End of Blocked Crawlers				
Boom Length (ft)	Machine List			
	0°	1°	2°	3°
	Block Weight (lb)			
98.4 - 216.5	22,900	22,900	22,900	22,900
236.2	15,800	8,300	8,300	8,300
255.9	8,300	8,300	8,300	8,300
275.6	8,300	#	#	#
295.3	#	#	#	#
315.0	#	#	#	#
(a)334.6	#	Raising Not Permitted		
Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. <i>Crane tipping or structural damage can occur.</i>				

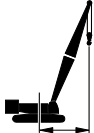
Explanation of Symbols


B10  Boom No. B10:500

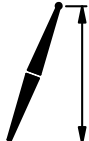
 VPC (Variable Position Counterweight)

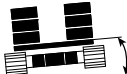
 360°
360 Degree Rating


 Boom Length

 Operating Radius
(see page 1)

 Boom Angle
(see page 1)

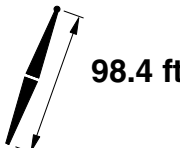
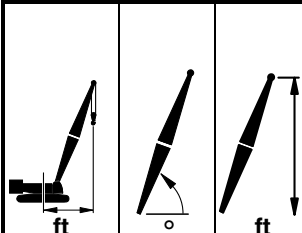
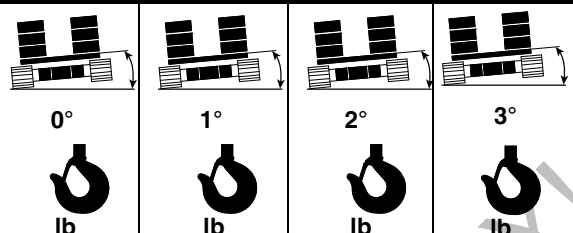

 Boom Point Elevation
(see page 1)

 Machine List

 Lifting Capacities
(see page 1)

MLC300 S-2



								
								
ft	°	ft	lb	lb	lb	lb	ft	ft
18	84.5	104.8	661,400 b					18
19	83.9	104.6	661,400 b	539,400 b				19
20	83.3	104.5	661,400 b	539,100 b				20
21	82.7	104.3	661,400 b	538,800 b	405,100 b			21
22	82.1	104.2	640,600 b	538,500 b	404,900 b			22
24	80.9	103.8	599,000	537,900	404,400 b	314,100b		24
26	79.8	103.4	562,300	514,200	404,000	313,800b		26
28	78.6	102.9	529,700	470,600	403,600	313,600		28
30	77.4	102.4	491,700	424,900	382,100	313,300		30
32	76.2	101.9	443,000	387,200	350,800	313,100		32
34	74.9	101.3	402,900	355,500	324,100	296,500		34
36	73.7	100.6	369,400	328,600	301,100	276,800		36
38	72.5	99.9	340,900	305,400	281,100	259,500		38
40	71.3	99.2	316,400	285,200	263,600	244,200		40
45	68.1	97.1	267,900	244,500	227,900	212,700		45
50	64.9	94.8	232,000	213,800	200,600	188,300		50
55	61.6	92.0	204,400	189,700	179,000	168,900		55
60	58.1	88.8	182,500	170,400	161,500	153,000		60
65	54.5	85.2	164,600	154,600	147,000	139,900		65
70	50.8	81.1	149,800	141,400	134,900	128,800		70
75	46.8	76.4	137,300	130,200	124,600	119,300		75
80	42.5	71.0	126,700	120,500	115,800	111,200		80
85	37.7	64.6	117,500	112,200	108,100	104,100		85
90	32.4	56.9	109,400	105,000	101,400	98,000		90
95	26.0	47.1	102,300	98,600	95,600	92,700		95
100	17.4	33.1	96,000	93,100	90,600	88,300		100

MLC300 S-2



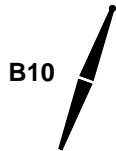
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
19	84.9	124.5	649,700 b				19
20	84.4	124.4	646,400 b				20
21	83.9	124.2	643,200	520,900 b			21
22	83.5	124.1	623,900	516,400 b			22
24	82.5	123.8	584,900	507,100	393,400 b		24
26	81.5	123.4	550,200	494,800	392,900	306,000 b	26
28	80.5	123.0	519,300	462,900	392,400	305,700	28
30	79.5	122.6	491,600	419,000	370,900	305,400	30
32	78.5	122.2	447,600	382,500	341,400	305,100	32
34	77.5	121.7	407,200	351,900	316,200	285,700	34
36	76.5	121.2	373,400	325,700	294,400	267,300	36
38	75.5	120.6	344,600	303,000	275,400	251,200	38
40	74.5	120.0	319,900	283,300	258,600	236,900	40
45	71.9	118.3	271,000	243,400	224,300	207,200	45
50	69.3	116.4	234,900	213,200	197,900	184,000	50
55	66.7	114.2	207,000	189,500	177,000	165,400	55
60	64.0	111.7	184,900	170,500	160,000	150,200	60
65	61.2	108.9	166,900	154,800	145,900	137,500	65
70	58.3	105.8	151,900	141,600	134,000	126,700	70
75	55.4	102.3	139,400	130,500	123,800	117,500	75
80	52.3	98.5	128,600	120,900	115,100	109,500	80
85	49.1	94.1	119,300	112,600	107,500	102,600	85
90	45.7	89.2	111,200	105,400	100,800	96,400	90
95	42.1	83.7	104,100	98,900	94,900	91,000	95
100	38.2	77.4	97,800	93,200	89,700	86,200	100
105	33.9	70.1	92,100	88,100	85,000	81,900	105
110	29.0	61.3	87,000	83,600	80,800	78,100	110
115	23.1	50.3	82,400	79,500	77,100	74,800	115

MLC300 S-2



ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
21	84.8	144.1	590,500				21
22	84.4	143.9	587,600				22
24	83.6	143.7	567,400	455,600			24
26	82.7	143.4	535,100	448,200	366,500		26
28	81.9	143.1	506,100	441,100	365,300	289,600	28
30	81.0	142.7	479,900	411,400	358,800	288,900	30
32	80.2	142.3	450,100	376,300	331,100	288,200	32
34	79.3	141.9	409,400	346,600	307,300	274,300	34
36	78.5	141.5	375,400	321,200	286,600	257,200	36
38	77.6	141.0	346,500	299,100	268,500	242,200	38
40	76.8	140.5	321,600	279,900	252,500	228,700	40
45	74.6	139.1	272,500	240,900	219,600	200,700	45
50	72.4	137.4	236,100	211,300	194,100	178,700	50
55	70.2	135.6	208,000	188,000	173,800	161,000	55
60	68.0	133.5	185,800	169,200	157,300	146,400	60
65	65.7	131.2	167,700	153,700	143,500	134,100	65
70	63.3	128.7	152,700	140,700	131,900	123,700	70
75	61.0	125.9	140,000	129,700	122,000	114,800	75
80	58.5	122.8	129,200	120,200	113,400	107,000	80
85	56.0	119.4	119,900	111,900	105,900	100,200	85
90	53.4	115.7	111,700	104,700	99,300	94,200	90
95	50.7	111.5	104,600	98,300	93,500	88,900	95
100	47.9	107.0	98,200	92,600	88,300	84,100	100
105	45.0	102.0	92,500	87,500	83,600	79,900	105
110	41.9	96.4	87,400	82,900	79,400	76,000	110
115	38.5	90.2	82,800	78,800	75,600	72,500	115
120	34.9	83.1	78,600	75,000	72,200	69,400	120
125	31.0	75.0	74,800	71,600	69,000	66,600	125
130	26.4	65.2	71,300	68,500	66,200	64,000	130
135	20.9	53.0	68,000	65,600	63,700	61,700	135

MLC300 S-2



ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
24	84.4	163.5	536,900				24
26	83.6	163.3	519,100	404,100			26
28	82.9	163.0	492,100	398,300	329,100		28
30	82.2	162.7	467,600	392,500	325,000		30
32	81.4	162.3	445,300	370,900	321,000	273,800	32
34	80.7	162.0	412,500	342,100	299,300	264,000	34
36	79.9	161.6	378,200	317,400	279,600	248,100	36
38	79.2	161.2	349,100	295,900	262,300	234,000	38
40	78.5	160.7	324,000	277,100	247,000	221,300	40
45	76.6	159.5	274,500	238,900	215,400	194,900	45
50	74.7	158.1	237,800	209,800	190,800	174,000	50
55	72.8	156.5	209,500	186,800	171,100	157,000	55
60	70.9	154.8	187,000	168,200	155,000	142,900	60
65	68.9	152.8	168,800	152,900	141,500	131,100	65
70	66.9	150.6	153,700	140,000	130,200	121,100	70
75	64.9	148.3	140,900	129,100	120,400	112,400	75
80	62.9	145.7	130,000	119,700	112,000	104,800	80
85	60.8	142.8	120,600	111,400	104,600	98,200	85
90	58.6	139.8	112,400	104,200	98,100	92,300	90
95	56.4	136.4	105,200	97,900	92,400	87,100	95
100	54.2	132.8	98,700	92,200	87,200	82,400	100
105	51.9	128.9	93,000	87,100	82,600	78,200	105
110	49.5	124.6	87,900	82,500	78,400	74,400	110
115	47.0	119.9	83,200	78,400	74,600	71,000	115
120	44.4	114.8	79,000	74,600	71,100	67,800	120
125	41.7	109.2	75,100	71,100	68,000	64,900	125
130	38.8	103.0	71,600	68,000	65,100	62,300	130
135	35.7	96.1	68,400	65,100	62,400	59,900	135
140	32.3	88.3	64,800	62,400	60,000	57,700	140
145	28.6	79.3	61,100	59,200	57,700	55,700	145
150	24.3	68.7	57,600	56,000	54,700	53,500	150
155	19.1	55.2	54,400	53,000	51,900	50,900	155

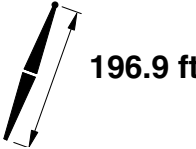
MLC300 S-2



ft	°	ft	lb	lb	lb	lb	ft
24	85.0	183.3	491,000				24
26	84.3	183.1	486,800				26
28	83.7	182.8	477,200				28
30	83.0	182.6	454,600	360,700			30
32	82.4	182.3	433,900	351,400	289,300		32
34	81.7	182.0	414,800	338,100	285,800	242,800	34
36	81.1	181.6	381,400	314,100	273,300	239,900	36
38	80.4	181.2	352,100	293,200	256,900	226,700	38
40	79.8	180.9	326,900	274,900	242,200	214,900	40
45	78.1	179.8	277,100	237,600	211,900	189,900	45
50	76.4	178.5	240,200	209,000	188,200	170,100	50
55	74.8	177.1	211,800	186,400	169,200	153,900	55
60	73.1	175.6	189,200	168,200	153,500	140,400	60
65	71.4	173.9	170,900	153,000	140,500	129,100	65
70	69.6	172.0	155,600	140,300	129,400	119,400	70
75	67.9	169.9	142,800	129,500	119,900	111,000	75
80	66.1	167.7	131,900	120,200	111,600	103,700	80
85	64.3	165.3	122,400	112,000	104,400	97,300	85
90	62.5	162.6	114,200	104,900	98,000	91,600	90
95	60.6	159.8	106,900	98,600	92,300	86,500	95
100	58.7	156.7	100,400	92,900	87,300	81,900	100
105	56.8	153.4	94,700	87,900	82,700	77,800	105
110	54.8	149.9	89,500	83,300	78,600	74,100	110
115	52.8	146.1	84,800	79,200	74,800	70,700	115
120	50.7	142.0	80,600	75,400	71,400	67,600	120
125	48.5	137.5	76,700	72,000	68,300	64,700	125
130	46.3	132.7	72,900	68,800	65,400	62,100	130
135	44.0	127.6	68,700	65,600	62,800	59,700	135
140	41.5	121.9	64,700	62,000	60,000	57,500	140
145	39.0	115.8	61,100	58,600	56,800	55,000	145
150	36.2	109.0	57,700	55,400	53,800	52,200	150
155	33.3	101.5	54,500	52,500	51,000	49,600	155
160	30.1	93.0	51,500	49,700	48,400	47,100	160
165	26.6	83.3	48,700	47,100	46,000	44,800	165
170	22.5	71.8	46,100	44,700	43,700	42,700	170
175	17.5	57.1	43,600	42,400	41,500	40,700	175

MLC300 S-2



								
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	
26	84.9	202.9	424,000				26	
28	84.3	202.7	420,800				28	
30	83.7	202.4	410,900	308,300			30	
32	83.2	202.2	399,600	304,600			32	
34	82.6	201.9	388,600	300,700	248,200		34	
36	82.0	201.6	378,100	296,900	245,400	208,400	36	
38	81.4	201.2	355,300	289,700	242,600	206,300	38	
40	80.8	200.9	329,900	272,500	237,300	204,200	40	
45	79.3	199.9	279,600	236,000	208,200	184,600	45	
50	77.8	198.8	242,400	207,900	185,300	165,700	50	
55	76.3	197.6	213,800	185,700	166,800	150,300	55	
60	74.8	196.2	191,000	167,600	151,600	137,400	60	
65	73.3	194.7	172,500	152,700	138,900	126,500	65	
70	71.8	193.0	157,200	140,100	128,000	117,100	70	
75	70.2	191.2	144,300	129,400	118,700	109,000	75	
80	68.6	189.2	133,200	120,100	110,600	102,000	80	
85	67.1	187.0	123,700	112,000	103,500	95,700	85	
90	65.5	184.7	115,400	104,900	97,300	90,200	90	
95	63.8	182.3	108,000	98,600	91,700	85,200	95	
100	62.2	179.6	101,500	93,000	86,700	80,700	100	
105	60.5	176.7	95,700	88,000	82,200	76,700	105	
110	58.8	173.7	90,500	83,400	78,100	73,100	110	
115	57.1	170.4	85,800	79,300	74,400	69,700	115	
120	55.3	167.0	81,100	75,600	71,000	66,700	120	
125	53.5	163.2	76,100	71,900	67,900	63,900	125	
130	51.6	159.3	71,500	67,600	64,800	61,300	130	
135	49.7	155.0	67,200	63,700	61,200	58,700	135	
140	47.7	150.5	63,300	60,100	57,800	55,500	140	
145	45.7	145.6	59,700	56,700	54,600	52,500	145	
150	43.6	140.3	56,300	53,600	51,700	49,800	150	
155	41.4	134.7	53,100	50,700	48,900	47,200	155	
160	39.1	128.5	50,200	47,900	46,300	44,700	160	
165	36.7	121.9	47,400	45,400	43,900	42,400	165	
170	34.1	114.6	44,800	43,000	41,600	40,300	170	
175	31.3	106.5	42,400	40,700	39,500	38,200	175	
180	28.3	97.4	40,000	38,500	37,400	36,300	180	
185	24.9	86.9	37,800	36,500	35,500	34,500	185	
190	21.0	74.5	35,800	34,600	33,700	32,800	190	
195	16.2	58.7	33,700	32,700	32,000	31,200	195	

MLC300 S-2



216.5 ft								
ft	°	ft	lb	lb	lb	lb	ft	ft
28	84.8	222.5	373,400					28
30	84.3	222.3	366,500					30
32	83.8	222.0	357,400	271,100				32
34	83.2	221.8	348,600	270,400				34
36	82.7	221.5	339,900	265,100	210,100			36
38	82.2	221.2	331,500	259,100	209,600			38
40	81.6	220.9	323,300	253,300	209,300	169,600		40
45	80.3	220.0	281,300	233,800	204,200	168,900		45
50	78.9	219.0	243,900	206,300	182,100	161,400		50
55	77.6	217.9	215,100	184,500	164,200	146,700		55
60	76.2	216.6	192,200	166,700	149,400	134,300		60
65	74.9	215.2	173,600	151,900	137,000	123,800		65
70	73.5	213.7	158,200	139,500	126,500	114,800		70
75	72.1	212.1	145,200	128,900	117,400	107,000		75
80	70.7	210.3	134,100	119,800	109,500	100,100		80
85	69.3	208.4	124,600	111,800	102,500	94,100		85
90	67.8	206.3	116,200	104,700	96,400	88,700		90
95	66.4	204.1	108,800	98,500	90,900	83,800		95
100	64.9	201.8	102,300	92,900	86,000	79,500		100
105	63.4	199.2	96,400	87,900	81,500	75,600		105
110	61.9	196.6	91,200	83,400	77,500	72,000		110
115	60.4	193.7	86,200	79,300	73,800	68,700		115
120	58.9	190.7	80,700	75,500	70,500	65,700		120
125	57.3	187.4	75,700	70,900	67,400	63,000		125
130	55.7	184.0	71,000	66,700	63,600	60,500		130
135	54.0	180.4	66,800	62,900	60,000	57,300		135
140	52.4	176.5	62,900	59,300	56,600	54,100		140
145	50.7	172.4	59,200	55,900	53,500	51,200		145
150	48.9	168.0	55,900	52,800	50,600	48,500		150
155	47.1	163.4	52,700	49,900	47,900	45,900		155
160	45.2	158.4	49,800	47,200	45,300	43,500		160
165	43.3	153.1	47,000	44,600	42,900	41,200		165
170	41.3	147.4	44,400	42,200	40,600	39,100		170
175	39.2	141.3	42,000	40,000	38,500	37,100		175
180	37.0	134.7	39,700	37,900	36,500	35,200		180
185	34.7	127.6	37,600	35,800	34,600	33,400		185
190	32.3	119.7	35,500	33,900	32,800	31,700		190
195	29.6	111.1	33,600	32,100	31,100	30,000		195
200	26.7	101.4	31,700	30,400	29,500	28,500		200
205	23.5	90.2	29,900	28,800	27,900	27,100		205
210	19.7	77.0	28,200	27,200	26,400	25,700		210
215	15.1	60.1	26,600	25,700	25,000	24,400		215

MLC300 S-2



ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
30	84.8	242.1	308,900				30
32	84.3	241.8	307,700				32
34	83.8	241.6	306,500	222,800			34
36	83.3	241.3	302,800	222,200			36
38	82.8	241.1	295,800	221,500	171,300		38
40	82.3	240.8	289,000	220,900	170,900		40
45	81.1	240.0	272,500	213,300	169,900	136,700	45
50	79.9	239.1	246,000	202,200	169,000	136,100	50
55	78.6	238.0	217,000	183,500	161,700	135,400	55
60	77.4	236.9	193,900	166,000	147,300	131,200	60
65	76.1	235.6	175,200	151,400	135,300	121,100	65
70	74.9	234.3	159,700	139,100	125,000	112,400	70
75	73.6	232.8	146,600	128,600	116,100	104,800	75
80	72.4	231.2	135,400	119,500	108,300	98,200	80
85	71.1	229.4	125,700	111,600	101,500	92,300	85
90	69.8	227.6	117,300	104,600	95,500	87,100	90
95	68.5	225.6	109,800	98,400	90,100	82,400	95
100	67.2	223.5	103,300	92,900	85,200	78,200	100
105	65.8	221.2	97,400	87,900	80,800	74,300	105
110	64.5	218.8	90,600	83,400	76,900	70,800	110
115	63.1	216.2	84,600	78,300	73,300	67,600	115
120	61.7	213.5	79,000	73,300	69,300	64,700	120
125	60.3	210.6	74,000	68,800	65,100	61,600	125
130	58.9	207.6	69,300	64,600	61,200	58,000	130
135	57.5	204.4	65,100	60,700	57,600	54,600	135
140	56.0	201.0	61,100	57,100	54,300	51,500	140
145	54.5	197.4	57,500	53,800	51,200	48,600	145
150	53.0	193.7	54,100	50,700	48,300	45,900	150
155	51.4	189.7	51,000	47,800	45,600	43,400	155
160	49.9	185.4	48,100	45,100	43,000	41,000	160
165	48.2	181.0	45,300	42,600	40,600	38,700	165
170	46.6	176.2	42,700	40,200	38,400	36,600	170
175	44.8	171.2	40,300	38,000	36,300	34,600	175
180	43.1	165.9	38,000	35,900	34,300	32,700	180
185	41.2	160.2	35,900	33,900	32,400	31,000	185
190	39.3	154.1	33,800	32,000	30,600	29,300	190
195	37.3	147.5	31,900	30,200	28,900	27,700	195
200	35.2	140.5	30,100	28,500	27,300	26,100	200
205	33.0	132.9	28,300	26,800	25,800	24,700	205
210	30.7	124.6	26,600	25,300	24,300	23,300	210
215	28.1	115.4	25,100	23,800	22,900	21,500	215
220	25.3	105.1	23,500	22,300	20,800	19,400	220
225	22.2	93.2	22,100	20,200	18,800	17,400	225
230	18.6	79.2	20,700	18,000	16,700	15,500	230

MLC300 S-2



ft	°	ft	lb	lb	lb	lb	ft	ft
32	84.7	261.6	256,400					32
34	84.3	261.4	255,300					34
36	83.8	261.2	254,300	183,800				36
38	83.4	260.9	253,300	183,200				38
40	82.9	260.7	252,300	182,700	140,200			40
45	81.8	259.9	249,900	181,400	139,400	111,100		45
50	80.7	259.1	247,400	180,100	138,600	110,600		50
55	79.5	258.1	218,400	178,800	137,800	110,000		55
60	78.4	257.1	195,200	165,000	137,000	109,500		60
65	77.2	255.9	176,400	150,700	133,400	109,000		65
70	76.1	254.7	160,800	138,500	123,400	108,400		70
75	74.9	253.3	147,600	128,100	114,700	102,800		75
80	73.8	251.8	136,300	119,100	107,100	96,300		80
85	72.6	250.3	126,600	111,300	100,400	90,700		85
90	71.4	248.5	118,100	104,400	94,500	85,600		90
95	70.2	246.7	110,700	98,200	89,200	81,000		95
100	69.0	244.8	104,000	92,700	84,400	76,900		100
105	67.8	242.7	96,700	87,800	80,200	73,100		105
110	66.6	240.5	90,000	82,400	76,300	69,700		110
115	65.3	238.2	83,900	77,000	72,300	66,600		115
120	64.1	235.8	78,300	72,100	67,700	63,700		120
125	62.8	233.2	73,200	67,600	63,600	59,800		125
130	61.6	230.5	68,600	63,400	59,700	56,300		130
135	60.3	227.6	64,400	59,600	56,200	53,000		135
140	59.0	224.6	60,400	56,000	52,900	49,900		140
145	57.6	221.4	56,800	52,700	49,800	47,100		145
150	56.3	218.0	53,400	49,600	47,000	44,400		150
155	54.9	214.5	50,300	46,800	44,300	41,900		155
160	53.5	210.8	47,300	44,100	41,800	39,500		160
165	52.1	206.9	44,600	41,600	39,400	37,300		165
170	50.7	202.8	42,000	39,200	37,200	35,200		170
175	49.2	198.5	39,600	37,000	35,100	33,300		175
180	47.7	193.9	37,300	34,900	33,100	31,400		180
185	46.1	189.1	35,100	32,900	31,200	29,600		185
190	44.5	184.0	33,100	31,000	29,400	28,000		190
195	42.9	178.6	31,200	29,200	27,800	26,400		195
200	41.2	172.9	29,300	27,500	26,200	24,800		200
205	39.4	166.8	27,600	25,900	24,600	23,400		205
210	37.6	160.4	26,000	24,400	23,200	22,000		210
215	35.7	153.4	24,400	22,900	21,800	20,700		215
220	33.6	146.0	22,900	21,500	20,500	19,500		220
225	31.5	137.9	21,400	20,200	19,200	18,300		225
230	29.3	129.1	20,100	18,900	18,000	17,100		230
235	26.8	119.4	18,700	17,600	16,800	16,000		235
240	24.1	108.5	17,500	16,500	15,700	15,000		240
245	21.1	96.0	16,200	15,300	14,700	14,000		245
250	17.6	81.1	15,000	14,200	13,600	13,000		250

MLC300 S-2



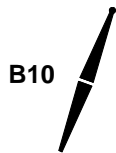
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	
34	84.7	281.2	216,000				34	
36	84.3	281.0	215,100				36	
38	83.9	280.8	214,200	153,400			38	
40	83.4	280.5	213,300	152,900			40	
45	82.4	279.8	211,000	151,700	115,300		45	
50	81.3	279.1	208,800	150,500	114,500	90,100	50	
55	80.3	278.2	206,700	149,300	113,800	89,600	55	
60	79.2	277.2	196,900	148,200	113,000	89,100	60	
65	78.2	276.1	177,900	147,100	112,300	88,700	65	
70	77.1	275.0	162,100	138,000	111,700	88,200	70	
75	76.0	273.7	148,800	127,700	111,000	87,700	75	
80	74.9	272.4	137,500	118,800	105,800	87,300	80	
85	73.9	270.9	127,700	111,000	99,300	86,800	85	
90	72.8	269.3	119,200	104,100	93,500	83,900	90	
95	71.7	267.7	111,000	98,000	88,300	79,400	95	
100	70.6	265.9	102,600	92,600	83,600	75,400	100	
105	69.5	264.0	95,000	86,100	79,400	71,800	105	
110	68.3	262.0	88,300	80,200	74,600	68,500	110	
115	67.2	259.9	82,100	74,800	69,700	65,000	115	
120	66.1	257.6	76,600	69,900	65,200	60,900	120	
125	64.9	255.3	71,500	65,400	61,100	57,100	125	
130	63.8	252.8	66,900	61,300	57,300	53,600	130	
135	62.6	250.2	62,600	57,400	53,800	50,400	135	
140	61.4	247.4	58,700	53,900	50,500	47,300	140	
145	60.2	244.6	55,000	50,600	47,500	44,500	145	
150	59.0	241.5	51,600	47,600	44,600	41,900	150	
155	57.8	238.4	48,500	44,700	42,000	39,400	155	
160	56.5	235.0	45,500	42,000	39,500	37,100	160	
165	55.3	231.6	42,800	39,500	37,100	34,900	165	
170	54.0	227.9	40,200	37,200	34,900	32,800	170	
175	52.7	224.1	37,800	34,900	32,900	30,900	175	
180	51.3	220.1	35,500	32,800	30,900	29,000	180	
185	50.0	215.9	33,400	30,900	29,000	27,300	185	
190	48.6	211.4	31,300	29,000	27,300	25,600	190	
195	47.2	206.8	29,400	27,200	25,600	24,000	195	
200	45.7	201.9	27,600	25,500	24,000	22,500	200	
205	44.2	196.8	25,800	23,900	22,500	21,100	205	
210	42.7	191.4	24,200	22,400	21,000	19,800	210	
215	41.1	185.6	22,600	20,900	19,700	18,500	215	
220	39.5	179.6	21,100	19,500	18,400	17,200	220	
225	37.8	173.2	19,700	18,200	17,100	16,000	225	
230	36.0	166.3	18,300	16,600	15,400	14,300	230	
235	34.2	159.0	17,000	14,500	13,300	12,400	235	
240	32.2	151.2	15,800	12,400	11,400	10,400	240	
245	30.2	142.7	14,600	10,200			245	
250	28.0	133.4	13,400				250	
255	25.6	123.2	12,300				255	
260	23.0	111.7	11,200				260	

MLC300 S-2



ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	
36	84.7	300.8	181,900					36
38	84.3	300.6	181,100					38
40	83.9	300.4	180,300	127,800				40
45	82.9	299.7	178,500	127,000	95,500			45
50	81.9	299.0	172,400	126,100	94,800	73,600		50
55	80.9	298.2	165,100	125,100	94,200	73,200		55
60	80.0	297.3	158,300	124,100	93,600	72,800		60
65	79.0	296.3	152,100	123,100	93,000	72,500		65
70	78.0	295.2	146,300	122,200	92,400	72,000		70
75	77.0	294.0	140,900	119,400	91,900	71,600		75
80	76.0	292.8	135,700	115,400	91,300	71,200		80
85	75.0	291.4	128,300	110,500	90,700	70,800		85
90	74.0	289.9	119,700	103,700	90,100	70,500		90
95	72.9	288.4	110,700	97,600	87,300	70,100		95
100	71.9	286.7	102,200	91,600	82,700	69,700		100
105	70.9	285.0	94,700	85,200	78,600	69,400		105
110	69.9	283.1	87,900	79,300	73,400	67,300		110
115	68.8	281.2	81,800	74,000	68,600	63,600		115
120	67.8	279.1	76,300	69,100	64,100	59,600		120
125	66.7	277.0	71,200	64,600	60,100	55,900		125
130	65.6	274.7	66,500	60,500	56,300	52,400		130
135	64.6	272.3	62,300	56,700	52,900	49,200		135
140	63.5	269.8	58,300	53,200	49,600	46,300		140
145	62.4	267.1	54,700	50,000	46,600	43,500		145
150	61.3	264.4	51,300	46,900	43,800	40,900		150
155	60.2	261.5	48,200	44,100	41,200	38,400		155
160	59.0	258.5	45,200	41,400	38,700	36,100		160
165	57.9	255.3	42,500	38,900	36,400	34,000		165
170	56.7	252.0	39,900	36,600	34,200	31,900		170
175	55.5	248.6	37,500	34,400	32,100	30,000		175
180	54.3	245.0	35,200	32,300	30,200	28,200		180
185	53.1	241.2	33,100	30,300	28,400	26,500		185
190	51.9	237.3	31,000	28,500	26,600	24,800		190
195	50.6	233.2	29,100	26,700	25,000	23,300		195
200	49.4	228.9	27,300	25,000	23,400	21,800		200
205	48.1	224.4	25,600	23,400	21,900	20,400		205
210	46.7	219.7	23,900	21,900	20,400	19,000		210
215	45.4	214.8	22,400	20,500	19,100	17,700		215
220	44.0	209.6	20,900	19,100	17,800	16,500		220
225	42.5	204.1	19,400	17,800	16,500	15,300		225
230	41.1	198.4	18,100	16,500	15,300	14,200		230
235	39.5	192.3	16,800	15,300	14,200	13,100		235
240	38.0	186.0	15,500	14,100	13,100	12,100		240
245	36.3	179.2	14,300	13,000	12,000	11,100		245
250	34.6	172.0	13,200	11,900	11,000	10,100		250
255	32.8	164.3	12,100	10,900	10,100			255
260	31.0	156.1	11,000					260
265	29.0	147.1	10,000					265

MLC300 S-2



ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
36	85.0	320.6	156,700				36
38	84.6	320.4	155,900				38
40	84.3	320.2	155,200				40
45	83.4	319.6	153,400	105,700			45
50	82.4	318.9	151,700	104,900	78,800		50
55	81.5	318.1	150,100	104,100	78,300	59,600	55
60	80.6	317.3	148,500	103,400	77,700	59,200	60
65	79.7	316.4	146,800	102,600	77,200	58,900	65
70	78.7	315.3	145,200	101,900	76,600	58,500	70
75	77.8	314.2	143,300	101,200	76,100	58,100	75
80	76.9	313.1	139,200	100,400	75,500	57,700	80
85	75.9	311.8	129,300	99,700	75,000	57,400	85
90	75.0	310.4	118,500	99,100	74,500	57,000	90
95	74.0	309.0	109,000	96,400	74,000	56,600	95
100	73.1	307.5	100,600	89,300	73,500	56,300	100
105	72.1	305.8	93,000	82,800	72,900	56,000	105
110	71.2	304.1	86,200	77,000	70,800	55,600	110
115	70.2	302.3	80,100	71,700	66,000	55,300	115
120	69.2	300.4	74,500	66,900	61,700	55,000	120
125	68.3	298.4	69,400	62,500	57,600	53,200	125
130	67.3	296.3	64,800	58,400	53,900	49,800	130
135	66.3	294.0	60,500	54,600	50,500	46,600	135
140	65.3	291.7	56,600	51,100	47,300	43,700	140
145	64.3	289.3	52,900	47,900	44,300	41,000	145
150	63.2	286.8	49,500	44,800	41,500	38,400	150
155	62.2	284.1	46,400	42,000	38,900	36,000	155
160	61.2	281.3	43,400	39,300	36,500	33,700	160
165	60.1	278.5	40,700	36,900	34,100	31,600	165
170	59.1	275.5	38,100	34,500	32,000	29,600	170
175	58.0	272.3	35,700	32,300	29,900	27,700	175
180	56.9	269.0	33,400	30,300	28,000	25,900	180
185	55.8	265.6	31,200	28,300	26,200	24,200	185
190	54.7	262.1	29,200	26,400	24,400	22,500	190
195	53.5	258.4	27,300	24,700	22,800	21,000	195
200	52.4	254.5	25,500	23,000	21,200	19,500	200
205	51.2	250.5	23,700	21,400	19,700	18,100	205
210	50.0	246.3	22,100	19,900	18,300	16,800	210
215	48.8	241.9	20,500	18,500	16,900	15,500	215
220	47.6	237.3	19,000	17,100	15,700	14,300	220
225	46.3	232.6	17,600	15,800	14,400	13,100	225
230	45.1	227.6	16,300	14,500	13,200	12,000	230
235	43.7	222.3	15,000	13,300	12,100	10,900	235
240	42.4	216.9	13,700	12,100	11,000		240
245	41.0	211.1	12,500	11,000	10,000		245
250	39.6	205.1	11,400	10,000			250
255	38.1	198.8	10,300				255

MLC300 S-2



ft	°	ft	lb
38	84.9	340.2	131,800
40	84.6	340.0	131,200
45	83.7	339.4	129,700
50	82.9	338.8	128,100
55	82.0	338.1	126,600
60	81.1	337.3	125,100
65	80.3	336.4	120,600
70	79.4	335.4	115,900
75	78.5	334.4	111,500
80	77.7	333.3	107,400
85	76.8	332.1	103,600
90	75.9	330.8	99,900
95	75.0	329.5	96,600
100	74.1	328.0	93,300
105	73.2	326.5	90,300
110	72.3	324.9	85,800
115	71.4	323.2	79,600
120	70.5	321.4	74,100
125	69.6	319.6	69,000
130	68.7	317.6	64,300
135	67.8	315.5	60,000
140	66.8	313.4	56,100
145	65.9	311.1	52,400
150	64.9	308.8	49,100
155	64.0	306.3	45,900
160	63.0	303.8	43,000
165	62.0	301.1	40,200
170	61.1	298.3	37,600
175	60.1	295.4	35,200
180	59.1	292.4	32,900
185	58.1	289.3	30,800
190	57.0	286.0	28,700
195	56.0	282.6	26,800
200	55.0	279.1	25,000
205	53.9	275.5	23,300
210	52.8	271.7	21,600
215	51.7	267.7	20,100
220	50.6	263.6	18,600
225	49.5	259.3	17,200
230	48.4	254.9	15,800
235	47.2	250.3	14,500
240	46.0	245.4	13,300
245	44.8	240.4	12,100
250	43.5	235.1	10,900