


Liftcrane Boom Capacities

Boom No. B10:350
75,200 lb Crane Counterweight
0 lb Carbody Counterweight
Crawler Machine on a Barge
0 Degree thru 3 Degree Static Machine List
No Travel - 360 Degree Rating


MLC150-1 SERIES 1


 **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 3 is 20,000 lb or 40,000 lb with two part whip line. When Drum 1 or Drum 2 is used, capacity with single part whip line is 29,600 lb or 59,200 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.

OPERATING CONDITIONS: Machine to operate on a firm and uniformly supporting surface with machine list not to exceed degrees noted. Refer to Boom Rigging **No. 80117858**, Wire Rope Specifications chart **No. 9834-A**, Counterweight Arrangements chart **No. 9828-A**, and Wind Conditions chart **No. 9833-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 26 ft 2 in. crawlers, 48 in. treads, 17 ft 5 in. gantry, load drums 1 and 2, 10 part boom hoist reeving, boom straps, 75,200 lb crane counterweight, and 0 lb carbody counterweight.

Consult chart **No. 9839-A** when Jib No. 134 is attached.

Upper Boom Point Deduct	
Deduct 1,200 lb from capacities when upper boom point is attached. Deduct does not apply to 49.2 ft boom length.	

Third Line Deduct	
Deduct 400 lb from capacities when boom top is equipped with optional 3rd sheave wire rope guide.	

Deduct From Capacities When Jib No. 134 Is Attached			
Jib Length (ft)	Jib Offset Angle		
	5°	15°	25°
Deduct (lb)			
30.0	5,000	5,500	6,600
40.0	5,700	7,000	8,500
50.0	6,500	8,500	10,600
60.0	7,500	10,100	12,700
70.0	8,200	11,300	14,500
80.0	8,900	12,700	16,600

Weight of jib and 2,000 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 ball, slings, and hoist lines beneath boom point sheaves. For block weights shown with #, load blocks, hooks, weight ball, and slings must remain on barge deck until combined weights are within rated capacity of chart. Raising is not permitted in shaded areas of table.

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

Table 1

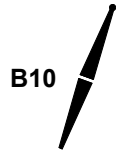
Boom Length (ft)	Over End or Side of Crawlers	
	Machine List	
	0°	1° - 3°
	Block Weight (lb)	
49.2 - 147.6	7,700	7,700
157.7	6,500	6,000
167.3	4,800	4,400
177.2	3,200	2,800
187.0	1,900	1,500
196.9	#	#
206.7		
216.5		

Table 2

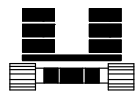
Boom Length (ft)	Over End of Blocked Crawlers	
	Machine List	
	0°	1° - 3°
	Block Weight (lb)	
49.2 - 157.5	7,700	7,700
167.3	6,900	6,500
177.2	5,500	5,100
187.0	4,300	4,000
196.9	3,000	2,600
206.7	1,600	#
216.5	#	

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. B10:350



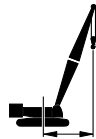
Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Boom Length



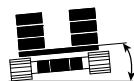
Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)

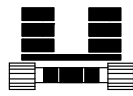
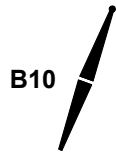


Machine List



Lifting Capacities
(see page 1)

MLC150-1 S-1

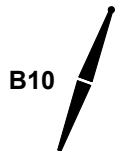


75,200 lb
+
0 lb



ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	
14	80.4	55.2	322,500					14
15	79.2	55.0	302,700	286,800				15
16	78.0	54.8	285,100	271,000	242,000			16
17	76.8	54.5	269,500	256,800	227,400	189,800		17
18	75.6	54.2	255,400	244,000	214,400	178,800		18
19	74.4	53.9	242,600	223,400	202,800	169,000		19
20	73.2	53.6	223,500	203,900	187,100	160,200		20
22	70.7	52.8	187,500	173,300	160,900	145,000		22
24	68.2	52.0	161,200	150,500	140,900	132,300		24
26	65.6	51.1	141,200	132,800	125,200	118,400		26
28	63.0	50.0	125,400	118,700	112,600	106,900		28
30	60.3	48.8	112,600	107,100	102,100	97,400		30
32	57.5	47.5	102,000	97,500	93,300	89,400		32
34	54.6	46.1	93,200	89,400	85,900	82,500		34
36	51.6	44.4	85,700	82,500	79,500	76,600		36
38	48.5	42.6	79,200	76,500	73,900	71,400		38
40	45.2	40.6	73,500	71,200	69,000	66,800		40
42	41.6	38.3	68,500	66,600	64,600	62,800		42
44	37.8	35.7	64,100	62,400	60,800	59,200		44
46	33.6	32.7	60,200	58,800	57,300	56,000		46
48	28.8	29.1	56,700	55,400	54,200	53,100		48
49	26.1	27.0	55,000	53,900				49

MLC150-1 S-1

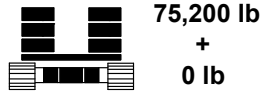
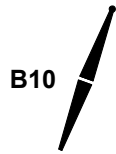


75,200 lb
+
0 lb



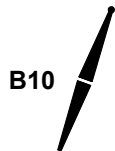
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
16	80.1	64.8	285,500				16
17	79.1	64.6	269,800	237,500			17
18	78.1	64.4	255,800	237,400	178,500		18
19	77.1	64.1	243,000	220,700	178,500	135,500	19
20	76.1	63.9	224,700	201,700	178,500	135,500	20
22	74.0	63.3	188,600	172,000	157,800	135,500	22
24	72.0	62.6	162,200	149,600	138,700	129,000	24
26	69.9	61.8	142,100	132,300	123,500	115,700	26
28	67.8	61.0	126,300	118,400	111,300	104,800	28
30	65.7	60.1	113,500	107,000	101,100	95,700	30
32	63.5	59.0	102,900	97,500	92,600	88,000	32
34	61.3	57.9	94,100	89,500	85,300	81,400	34
36	59.0	56.7	86,500	82,600	79,000	75,600	36
38	56.6	55.3	80,000	76,700	73,500	70,600	38
40	54.2	53.8	74,400	71,500	68,700	66,100	40
42	51.7	52.2	69,400	66,900	64,500	62,200	42
44	49.2	50.5	65,000	62,800	60,700	58,600	44
46	46.5	48.6	61,100	59,100	57,300	55,500	46
48	43.6	46.4	57,500	55,800	54,200	52,600	48
50	40.6	44.1	54,400	52,800	51,400	50,000	50
55	32.1	36.8	47,600	46,500	45,400	44,400	55
57	27.8	32.9	45,300	44,300	43,400	42,500	57
58	25.7	31.0	44,200				58

MLC150-1 S-1



ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
18	79.8	74.5	255,500				18
19	79.0	74.3	242,800	217,300			19
20	78.1	74.0	224,900	198,900	169,300		20
21	77.2	73.8	206,800	184,400	161,700	129,200	21
22	76.4	73.5	188,800	169,900	154,100	129,100	22
24	74.7	73.0	162,400	148,000	135,700	125,100	24
26	72.9	72.3	142,200	131,000	121,100	112,500	26
28	71.1	71.6	126,400	117,300	109,300	102,100	28
30	69.4	70.8	113,600	106,100	99,400	93,400	30
32	67.6	70.0	103,000	96,800	91,100	86,000	32
34	65.7	69.0	94,100	88,800	84,000	79,600	34
36	63.9	68.0	86,600	82,100	77,900	74,000	36
38	62.0	66.9	80,100	76,200	72,500	69,200	38
40	60.0	65.8	74,400	71,000	67,800	64,800	40
42	58.1	64.5	69,400	66,400	63,600	61,000	42
44	56.0	63.1	65,000	62,400	59,900	57,500	44
46	54.0	61.6	61,100	58,800	56,500	54,400	46
48	51.8	60.0	57,600	55,500	53,500	51,600	48
50	49.7	58.3	54,400	52,500	50,700	49,000	50
55	43.8	53.4	47,600	46,200	44,800	43,500	55
60	37.2	47.2	42,200	41,100	40,100	39,000	60
65	29.3	39.1	37,700	36,900	36,100	35,300	65
66	27.4	37.0	36,900	36,200	35,400		66
67	25.4	34.9	36,200				67

MLC150-1 S-1

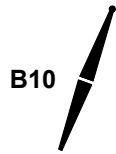


75,200 lb
+
0 lb



ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
19	80.4	84.3	242,400				19
20	79.6	84.1	225,100				20
21	78.9	83.9	207,000	180,800			21
22	78.1	83.7	188,900	167,700	150,500		22
23	77.4	83.4	175,600	157,000	141,700	125,400	23
24	76.6	83.2	162,400	146,300	132,800	121,400	24
26	75.1	82.6	142,300	129,600	118,800	109,400	26
28	73.6	82.0	126,400	116,100	107,300	99,500	28
30	72.1	81.3	113,500	105,100	97,700	91,100	30
32	70.5	80.6	102,900	95,900	89,600	83,900	32
34	68.9	79.8	94,000	88,100	82,700	77,800	34
36	67.4	79.0	86,500	81,300	76,700	72,400	36
38	65.8	78.0	80,000	75,500	71,400	67,700	38
40	64.1	77.0	74,300	70,400	66,800	63,500	40
42	62.5	76.0	69,300	65,900	62,700	59,700	42
44	60.8	74.8	64,900	61,800	59,000	56,300	44
46	59.1	73.6	61,000	58,200	55,700	53,300	46
48	57.4	72.3	57,400	55,000	52,700	50,500	48
50	55.6	70.9	54,200	52,000	50,000	48,000	50
55	51.0	67.0	47,500	45,800	44,200	42,600	55
60	46.0	62.4	42,100	40,700	39,400	38,200	60
65	40.6	56.8	37,600	36,500	35,500	34,500	65
70	34.4	50.0	33,800	33,000	32,200	31,400	70
74	28.5	42.9	31,300	30,600	29,900	29,200	74
75	27.0	41.1	30,600	30,000			75
76	25.2	38.9	30,100				76

MLC150-1 S-1



75,200 lb
+
0 lb



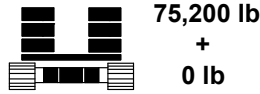
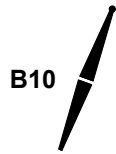
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
21	80.1	94.0	205,500				21
22	79.5	93.8	188,900	165,600			22
24	78.1	93.3	162,400	144,600	130,000		24
25	77.5	93.1	152,300	136,400	123,200	111,900	25
26	76.8	92.8	142,200	128,200	116,400	106,400	26
28	75.5	92.3	126,300	115,000	105,300	96,900	28
30	74.1	91.7	113,400	104,100	96,000	88,900	30
32	72.8	91.1	102,800	95,000	88,100	82,000	32
34	71.4	90.4	93,900	87,300	81,400	76,100	34
36	70.0	89.6	86,400	80,600	75,500	70,900	36
38	68.6	88.8	79,900	74,900	70,400	66,300	38
40	67.2	88.0	74,200	69,800	65,800	62,200	40
42	65.8	87.0	69,200	65,300	61,800	58,500	42
44	64.3	86.1	64,800	61,300	58,200	55,200	44
46	62.9	85.0	60,800	57,800	54,900	52,300	46
48	61.4	83.9	57,300	54,500	52,000	49,600	48
50	59.9	82.7	54,100	51,600	49,300	47,100	50
55	56.0	79.4	47,400	45,400	43,600	41,800	55
60	52.0	75.7	41,900	40,400	38,900	37,400	60
65	47.7	71.3	37,400	36,200	35,000	33,800	65
70	43.0	66.1	33,700	32,700	31,700	30,700	70
75	37.9	60.0	30,500	29,700	28,900	28,100	75
80	32.1	52.5	27,800	27,100	26,400	25,800	80
83	27.9	46.8	26,400	25,700	25,100	24,600	83
84	26.5	44.8	25,900	25,300			84
85	25.1	42.9	25,400				85

MLC150-1 S-1



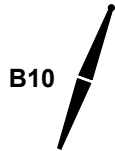
 98.4 ft							
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
23	79.9	103.6	174,700				23
24	79.3	103.4	162,400	142,900			24
26	78.2	102.9	142,100	126,800	114,200		26
28	77.0	102.5	126,200	113,800	103,400	94,400	28
30	75.8	101.9	113,300	103,100	94,300	86,700	30
32	74.5	101.4	102,700	94,100	86,600	80,100	32
34	73.3	100.8	93,800	86,500	80,000	74,300	34
36	72.1	100.1	86,200	79,900	74,300	69,300	36
38	70.9	99.4	79,700	74,200	69,300	64,800	38
40	69.6	98.6	74,000	69,100	64,800	60,900	40
42	68.4	97.8	69,000	64,700	60,800	57,300	42
44	67.1	96.9	64,600	60,800	57,300	54,100	44
46	65.8	96.0	60,600	57,200	54,100	51,200	46
48	64.5	95.1	57,100	54,000	51,200	48,600	48
50	63.2	94.0	53,900	51,100	48,500	46,200	50
55	59.9	91.2	47,100	44,900	42,900	40,900	55
60	56.4	88.0	41,700	39,900	38,200	36,700	60
65	52.8	84.3	37,200	35,700	34,400	33,100	65
70	49.0	80.0	33,500	32,300	31,100	30,000	70
75	44.9	75.2	30,300	29,300	28,300	27,400	75
80	40.5	69.6	27,500	26,700	25,900	25,100	80
85	35.7	62.9	25,200	24,500	23,800	23,100	85
90	30.2	54.9	23,100	22,500	21,900	21,400	90
91	28.9	53.0	22,700	22,100	21,600	21,100	91
92	27.6	51.0	22,300	21,800	21,300		92
93	26.4	49.1	21,900	21,400			93

MLC150-1 S-1



ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	
24	80.3	113.4	162,400					24
26	79.2	113.0	142,100	125,500				26
28	78.2	112.6	126,200	112,700	101,500			28
30	77.1	112.1	113,300	102,100	92,800	84,700		30
32	76.0	111.6	102,600	93,300	85,300	78,400		32
34	74.9	111.0	93,700	85,700	78,800	72,800		34
36	73.8	110.4	86,100	79,200	73,200	67,900		36
38	72.7	109.8	79,600	73,600	68,300	63,600		38
40	71.6	109.1	73,900	68,600	63,900	59,700		40
42	70.4	108.4	68,900	64,200	60,000	56,300		42
44	69.3	107.6	64,500	60,300	56,600	53,100		44
46	68.1	106.8	60,500	56,800	53,400	50,300		46
48	67.0	105.9	57,000	53,600	50,500	47,700		48
50	65.8	105.0	53,800	50,700	47,900	45,400		50
55	62.9	102.5	47,000	44,600	42,400	40,300		55
60	59.8	99.7	41,600	39,600	37,800	36,100		60
65	56.7	96.5	37,100	35,500	34,000	32,500		65
70	53.4	92.8	33,400	32,000	30,700	29,500		70
75	50.0	88.8	30,200	29,100	28,000	26,900		75
80	46.4	84.1	27,400	26,500	25,600	24,700		80
85	42.5	78.9	25,100	24,300	23,500	22,700		85
90	38.4	72.8	23,000	22,300	21,600	21,000		90
95	33.8	65.7	21,100	20,600	20,000	19,400		95
100	28.5	57.1	19,500	19,000	18,500	18,100		100
101	27.3	55.1	19,200	18,700	18,300			101
102	26.1	53.1	18,900	18,400				102

MLC150-1 S-1



75,200 lb
+
0 lb



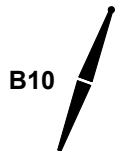
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
26	80.2	123.1	142,000				26
28	79.2	122.7	126,000	111,500			28
30	78.2	122.2	113,100	101,100	91,100		30
32	77.2	121.8	102,500	92,400	83,800	76,600	32
34	76.2	121.2	93,500	84,900	77,500	71,200	34
36	75.2	120.7	85,900	78,500	72,100	66,400	36
38	74.2	120.1	79,400	72,900	67,200	62,200	38
40	73.1	119.5	73,700	68,000	62,900	58,500	40
42	72.1	118.8	68,700	63,600	59,100	55,100	42
44	71.1	118.1	64,200	59,700	55,700	52,000	44
46	70.1	117.4	60,300	56,200	52,600	49,300	46
48	69.0	116.6	56,700	53,100	49,800	46,800	48
50	68.0	115.8	53,500	50,200	47,200	44,400	50
55	65.3	113.5	46,700	44,100	41,700	39,400	55
60	62.6	111.0	41,300	39,100	37,200	35,300	60
65	59.8	108.2	36,800	35,000	33,400	31,800	65
70	56.9	105.0	33,100	31,600	30,200	28,900	70
75	53.9	101.4	29,900	28,600	27,400	26,300	75
80	50.8	97.4	27,100	26,100	25,100	24,100	80
85	47.6	93.0	24,800	23,900	23,000	22,100	85
90	44.2	88.0	22,700	21,900	21,100	20,400	90
95	40.5	82.3	20,800	20,200	19,500	18,900	95
100	36.5	75.8	19,200	18,600	18,000	17,500	100
105	32.1	68.3	17,700	17,200	16,700	16,300	105
109	28.1	60.9	16,600	16,200	15,800	15,400	109
110	27.1	59.1	16,400	15,900	15,500		110
111	26.0	57.0	16,100				111

MLC150-1 S-1



128.0 ft								
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	
27	80.5	132.9	133,400					27
28	80.0	132.7	125,900					28
30	79.1	132.3	112,900	100,100				30
32	78.2	131.9	102,300	91,400	82,400			32
34	77.3	131.4	93,300	84,100	76,300	69,600		34
36	76.3	130.9	85,700	77,700	70,900	65,000		36
38	75.4	130.4	79,100	72,200	66,200	60,900		38
40	74.5	129.8	73,400	67,300	62,000	57,300		40
42	73.5	129.2	68,400	63,000	58,200	54,000		42
44	72.6	128.6	64,000	59,100	54,800	51,000		44
46	71.7	127.9	60,000	55,700	51,800	48,300		46
48	70.7	127.2	56,500	52,500	49,000	45,800		48
50	69.8	126.4	53,300	49,700	46,500	43,600		50
55	67.3	124.4	46,500	43,600	41,000	38,700		55
60	64.9	122.1	41,000	38,700	36,600	34,600		60
65	62.4	119.5	36,500	34,600	32,800	31,200		65
70	59.8	116.6	32,800	31,200	29,700	28,300		70
75	57.1	113.5	29,600	28,200	27,000	25,700		75
80	54.4	109.9	26,900	25,700	24,600	23,500		80
85	51.6	106.1	24,500	23,500	22,500	21,600		85
90	48.6	101.8	22,400	21,500	20,700	19,900		90
95	45.5	97.0	20,600	19,800	19,100	18,400		95
100	42.2	91.6	18,900	18,300	17,600	17,000		100
105	38.7	85.6	17,500	16,900	16,300	15,800		105
110	34.9	78.7	16,100	15,600	15,100	14,700		110
115	30.7	70.7	14,900	14,500	14,100	13,600		115
117	28.7	66.8	14,500	14,100	13,700	13,300		117
118	27.7	64.9	14,200	13,800	13,500			118
119	26.8	63.0	14,000	13,600				119
120	25.8	61.0	13,800					120

MLC150-1 S-1

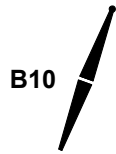


75,200 lb
+
0 lb



ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
29	80.3	142.5	118,900				29
30	79.9	142.3	112,800				30
31	79.5	142.1	107,400	94,600			31
32	79.0	141.9	102,100	90,500			32
34	78.2	141.5	93,100	83,300	75,000		34
36	77.3	141.0	85,500	77,000	69,800	63,600	36
38	76.5	140.5	78,900	71,500	65,100	59,600	38
40	75.6	140.0	73,200	66,600	61,000	56,100	40
42	74.8	139.5	68,200	62,400	57,300	52,800	42
44	73.9	138.9	63,700	58,500	54,000	49,900	44
46	73.0	138.2	59,800	55,100	51,000	47,300	46
48	72.1	137.6	56,200	52,000	48,200	44,900	48
50	71.3	136.9	53,000	49,200	45,700	42,700	50
55	69.0	135.0	46,200	43,100	40,400	37,800	55
60	66.8	132.9	40,700	38,200	35,900	33,800	60
65	64.5	130.6	36,200	34,200	32,200	30,500	65
70	62.1	128.0	32,500	30,700	29,100	27,600	70
75	59.8	125.1	29,300	27,800	26,400	25,100	75
80	57.3	122.0	26,600	25,300	24,100	22,900	80
85	54.8	118.5	24,200	23,100	22,000	21,000	85
90	52.2	114.7	22,100	21,100	20,200	19,300	90
95	49.4	110.5	20,200	19,400	18,600	17,800	95
100	46.6	105.9	18,600	17,900	17,100	16,500	100
105	43.6	100.8	17,100	16,500	15,800	15,200	105
110	40.5	95.1	15,800	15,200	14,700	14,100	110
115	37.1	88.7	14,600	14,100	13,600	13,100	115
120	33.4	81.4	13,500	13,000	12,600	12,200	120
125	29.4	73.0	12,500	12,100	11,700	11,300	125
126	28.4	71.0	12,300	11,900	11,500	11,200	126
127	27.5	69.0	12,100	11,700	11,400		127
128	26.6	67.0	11,900	11,500			128
129	25.7	65.0	11,700				129

MLC150-1 S-1




75,200 lb
+
0 lb



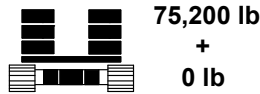
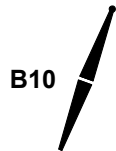
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
31	80.2	152.2	107,000				31
32	79.8	152.0	101,900				32
33	79.4	151.8	97,400	85,900			33
34	79.0	151.6	92,900	82,500			34
36	78.2	151.1	85,300	76,300	68,700		36
38	77.4	150.7	78,700	70,800	64,100	58,400	38
40	76.6	150.2	73,000	66,000	60,100	54,900	40
42	75.8	149.7	68,000	61,800	56,500	51,800	42
44	75.0	149.1	63,500	58,000	53,200	49,000	44
46	74.2	148.5	59,600	54,600	50,200	46,400	46
48	73.4	147.9	56,000	51,500	47,600	44,000	48
50	72.6	147.3	52,800	48,700	45,100	41,900	50
55	70.5	145.6	46,000	42,700	39,800	37,100	55
60	68.4	143.6	40,500	37,900	35,400	33,200	60
65	66.3	141.5	36,000	33,800	31,800	29,900	65
70	64.2	139.1	32,300	30,400	28,700	27,100	70
75	62.0	136.5	29,100	27,500	26,000	24,600	75
80	59.7	133.6	26,300	25,000	23,700	22,500	80
85	57.4	130.4	24,000	22,800	21,700	20,600	85
90	55.1	127.0	21,900	20,800	19,900	18,900	90
95	52.7	123.3	20,000	19,100	18,300	17,400	95
100	50.2	119.2	18,400	17,600	16,800	16,100	100
105	47.6	114.7	16,900	16,200	15,500	14,900	105
110	44.8	109.8	15,600	15,000	14,300	13,800	110
115	42.0	104.4	14,400	13,800	13,300	12,800	115
120	38.9	98.3	13,300	12,800	12,300	11,800	120
125	35.7	91.6	12,300	11,800	11,400	11,000	125
130	32.1	84.0	11,300	11,000	10,600	10,200	130
135	28.2	75.1	10,500	10,100	9,800	9,500	135
136	27.3	73.1	10,300	10,000	9,700		136
137	26.4	71.0	10,200	9,800			137
138	25.5	69.0	10,000				138

MLC150-1 S-1



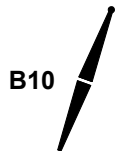
 157.5 ft							
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
32	80.4	162.0	101,700				32
34	79.7	161.6	92,700				34
35	79.3	161.4	88,900	78,500			35
36	78.9	161.2	85,100	75,500			36
38	78.2	160.8	78,500	70,100	63,100		38
40	77.5	160.3	72,800	65,400	59,100	53,800	40
42	76.7	159.8	67,700	61,200	55,600	50,700	42
44	76.0	159.3	63,300	57,400	52,400	48,000	44
46	75.2	158.8	59,300	54,000	49,500	45,400	46
48	74.4	158.2	55,700	51,000	46,800	43,100	48
50	73.7	157.6	52,500	48,200	44,400	41,000	50
55	71.8	156.0	45,700	42,200	39,100	36,300	55
60	69.8	154.2	40,200	37,400	34,800	32,500	60
65	67.9	152.2	35,700	33,400	31,200	29,200	65
70	65.9	150.0	32,000	30,000	28,100	26,400	70
75	63.9	147.6	28,800	27,100	25,500	24,000	75
80	61.8	144.9	26,000	24,600	23,200	21,900	80
85	59.7	142.1	23,600	22,400	21,200	20,000	85
90	57.6	138.9	21,500	20,400	19,400	18,400	90
95	55.4	135.5	19,700	18,700	17,800	16,900	95
100	53.1	131.8	18,100	17,200	16,300	15,600	100
105	50.8	127.8	16,600	15,800	15,100	14,300	105
110	48.4	123.5	15,200	14,600	13,900	13,300	110
115	45.9	118.7	14,000	13,400	12,800	12,300	115
120	43.2	113.5	12,900	12,400	11,800	11,300	120
125	40.5	107.8	11,900	11,400	11,000	10,500	125
130	37.5	101.5	11,000	10,600	10,100	9,700	130
135	34.4	94.4	10,100	9,800	9,400	9,000	135
140	31.0	86.4	9,400	9,000	8,700	8,300	140
143	28.7	80.9	8,900	8,600	8,300	8,000	143
145	27.1	77.2	8,600	8,300	8,000		145
146	26.3	75.1	8,500	8,200			146
147	25.4	73.0	8,300				147

MLC150-1 S-1



ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
34	80.3	171.6	92,500				34
36	79.6	171.2	84,800				36
37	79.3	171.0	81,500	72,000			37
38	78.9	170.8	78,200	69,400			38
40	78.2	170.4	72,500	64,700	58,200		40
42	77.5	170.0	67,500	60,500	54,700	49,700	42
44	76.8	169.5	63,000	56,800	51,500	47,000	44
46	76.1	169.0	59,000	53,500	48,700	44,500	46
48	75.4	168.4	55,400	50,400	46,100	42,200	48
50	74.7	167.9	52,200	47,700	43,700	40,100	50
55	72.9	166.4	45,400	41,700	38,500	35,600	55
60	71.1	164.7	39,900	36,900	34,200	31,800	60
65	69.3	162.8	35,400	32,900	30,600	28,600	65
70	67.4	160.8	31,600	29,500	27,600	25,800	70
75	65.5	158.5	28,500	26,600	25,000	23,400	75
80	63.6	156.1	25,700	24,100	22,700	21,300	80
85	61.7	153.4	23,300	22,000	20,700	19,500	85
90	59.7	150.5	21,200	20,000	18,900	17,900	90
95	57.7	147.4	19,400	18,300	17,300	16,400	95
100	55.6	144.1	17,700	16,800	15,900	15,100	100
105	53.5	140.4	16,300	15,400	14,600	13,900	105
110	51.3	136.5	14,900	14,200	13,500	12,800	110
115	49.1	132.2	13,700	13,100	12,400	11,800	115
120	46.7	127.6	12,600	12,000	11,400	10,900	120
125	44.3	122.6	11,600	11,100	10,600	10,000	125
130	41.8	117.1	10,700	10,200	9,700	9,300	130
135	39.1	111.1	9,800	9,400	9,000	8,600	135
140	36.3	104.5	9,100	8,700	8,300	7,900	140
145	33.2	97.1	8,300	8,000	7,600	7,300	145
150	29.9	88.8	7,600	7,300	7,000	6,700	150
152	28.4	84.9	7,400	7,100	6,800	6,500	152
153	27.6	83.0	7,200	7,000	6,700		153
155	26.2	79.1	7,000	6,700			155
156	25.3	77.0	6,900				156

MLC150-1 S-1

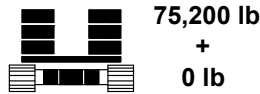
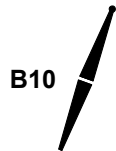


75,200 lb
+
0 lb



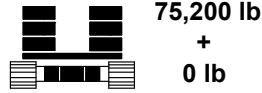
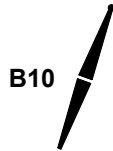
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
36	80.2	181.3	84,600				36
38	79.5	180.9	78,000				38
39	79.2	180.7	75,100	66,300			39
40	78.9	180.5	72,200	64,100			40
42	78.2	180.0	67,200	59,900	53,800		42
44	77.5	179.6	62,700	56,200	50,700		44
45	77.2	179.4	60,700	54,600	49,300	44,700	45
46	76.9	179.1	58,700	52,900	47,900	43,500	46
48	76.2	178.6	55,200	49,900	45,300	41,300	48
50	75.5	178.1	51,900	47,100	42,900	39,300	50
55	73.9	176.7	45,100	41,200	37,800	34,800	55
60	72.2	175.1	39,600	36,400	33,600	31,100	60
65	70.5	173.3	35,100	32,400	30,100	27,900	65
70	68.7	171.4	31,300	29,100	27,000	25,200	70
75	67.0	169.3	28,100	26,200	24,400	22,800	75
80	65.2	167.0	25,400	23,700	22,200	20,800	80
85	63.4	164.6	23,000	21,500	20,200	18,900	85
90	61.6	161.9	20,900	19,600	18,400	17,300	90
95	59.7	159.0	19,000	17,900	16,900	15,900	95
100	57.8	155.9	17,400	16,400	15,400	14,600	100
105	55.8	152.6	15,900	15,000	14,200	13,400	105
110	53.8	149.0	14,600	13,800	13,000	12,300	110
115	51.8	145.1	13,400	12,600	12,000	11,300	115
120	49.7	140.9	12,300	11,600	11,000	10,400	120
125	47.5	136.4	11,300	10,700	10,100	9,600	125
130	45.3	131.6	10,300	9,800	9,300	8,800	130
135	42.9	126.3	9,500	9,000	8,500	8,100	135
140	40.5	120.6	8,700	8,300	7,800	7,400	140
145	37.9	114.3	8,000	7,600	7,200	6,800	145
150	35.1	107.4	7,300	6,900	6,600	6,200	150
155	32.1	99.7	6,600	6,300	6,000	5,700	155
160	28.9	91.0	6,000	5,700	5,500	5,200	160
161	28.2	89.0	5,900	5,600	5,400	5,100	161
162	27.4	87.0	5,800	5,500	5,300		162
164	26.0	83.0	5,600	5,300			164
165	25.3	81.0	5,500				165

MLC150-1 S-1



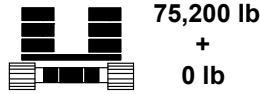
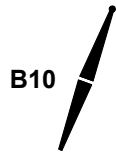
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
37	80.4	191.1	80,900				37
38	80.1	190.9	77,800				38
40	79.5	190.5	72,000	63,400			40
42	78.8	190.1	66,900	59,300			42
44	78.2	189.7	62,500	55,700	49,900		44
46	77.6	189.2	58,500	52,400	47,100		46
47	77.3	189.0	56,700	50,900	45,900	41,600	47
48	77.0	188.8	54,900	49,400	44,600	40,500	48
50	76.3	188.3	51,700	46,600	42,300	38,500	50
55	74.7	186.9	44,800	40,800	37,200	34,100	55
60	73.1	185.4	39,300	36,000	33,100	30,400	60
65	71.5	183.8	34,800	32,100	29,600	27,300	65
70	69.9	182.0	31,100	28,700	26,600	24,600	70
75	68.3	180.0	27,900	25,800	24,000	22,300	75
80	66.6	177.9	25,100	23,400	21,800	20,300	80
85	64.9	175.6	22,700	21,200	19,800	18,500	85
90	63.2	173.1	20,600	19,300	18,000	16,900	90
95	61.4	170.4	18,800	17,600	16,500	15,400	95
100	59.7	167.5	17,100	16,100	15,100	14,100	100
105	57.9	164.4	15,600	14,700	13,800	13,000	105
110	56.0	161.1	14,300	13,500	12,700	11,900	110
115	54.2	157.5	13,100	12,300	11,600	10,900	115
120	52.2	153.7	12,000	11,300	10,600	10,000	120
125	50.2	149.6	11,000	10,400	9,800	9,200	125
130	48.2	145.2	10,100	9,500	9,000	8,400	130
135	46.1	140.5	9,200	8,700	8,200	7,700	135
140	43.9	135.4	8,400	8,000	7,500	7,100	140
145	41.6	129.9	7,700	7,300	6,900	6,500	145
150	39.2	123.9	7,000	6,600	6,300	5,900	150
155	36.7	117.3	6,400	6,000	5,700	5,300	155
160	34.0	110.1	5,800	5,500	5,200	4,800	160
165	31.1	102.2	5,200	4,900	4,700	4,400	165
169	28.6	94.9	4,800	4,500	4,300	4,000	169
170	28.0	93.1	4,700	4,400	4,200		170
171	27.3	91.1	4,600	4,400	4,100		171
172	26.6	89.0	4,500	4,300			172
174	25.2	84.9	4,300				174

MLC150-1 S-1



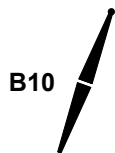
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
39	80.3	200.7	74,500				39
40	80.0	200.5	71,800				40
42	79.4	200.2	66,700	58,700			42
44	78.8	199.7	62,200	55,100			44
46	78.2	199.3	58,200	51,800	46,400		46
48	77.6	198.9	54,600	48,800	43,900		48
49	77.3	198.6	53,000	47,500	42,700	38,600	49
50	77.0	198.4	51,400	46,100	41,600	37,700	50
55	75.5	197.1	44,500	40,300	36,600	33,300	55
60	74.0	195.7	39,000	35,500	32,500	29,700	60
65	72.5	194.2	34,500	31,600	29,000	26,700	65
70	70.9	192.5	30,700	28,300	26,000	24,000	70
75	69.4	190.6	27,500	25,400	23,500	21,700	75
80	67.8	188.6	24,800	22,900	21,300	19,700	80
85	66.2	186.4	22,400	20,800	19,300	17,900	85
90	64.6	184.1	20,300	18,900	17,600	16,300	90
95	63.0	181.6	18,400	17,200	16,000	14,900	95
100	61.3	178.9	16,800	15,700	14,600	13,600	100
105	59.7	176.0	15,300	14,300	13,300	12,500	105
110	58.0	172.9	14,000	13,100	12,200	11,400	110
115	56.2	169.6	12,700	11,900	11,200	10,400	115
120	54.4	166.0	11,600	10,900	10,200	9,500	120
125	52.6	162.3	10,600	10,000	9,300	8,700	125
130	50.7	158.3	9,700	9,100	8,500	8,000	130
135	48.8	153.9	8,900	8,300	7,800	7,300	135
140	46.8	149.3	8,100	7,600	7,100	6,600	140
145	44.8	144.4	7,300	6,900	6,400	6,000	145
150	42.7	139.0	6,700	6,200	5,800	5,400	150
155	40.4	133.3	6,000	5,600	5,300	4,900	155
160	38.1	127.1	5,400	5,100	4,700	4,400	160
165	35.7	120.3	4,900	4,500	4,200	3,900	165
170	33.1	112.8	4,300	4,100	3,700	3,300	170
175	30.2	104.5	3,800	3,500	3,100		175
180	27.2	95.2	3,200				180

MLC150-1 S-1



ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
40	80.5	210.5	71,500				40
42	79.9	210.2	66,400				42
44	79.4	209.8	61,900	54,500			44
46	78.8	209.4	57,900	51,200			46
47	78.5	209.2	56,100	49,700	44,300		47
48	78.2	209.0	54,300	48,300	43,100		48
50	77.7	208.5	51,100	45,600	40,900		50
51	77.4	208.3	49,700	44,400	39,900	35,100	51
55	76.2	207.3	44,200	39,800	36,000	32,600	55
60	74.8	206.0	38,700	35,100	31,900	29,000	60
65	73.3	204.5	34,200	31,100	28,400	26,000	65
70	71.9	202.9	30,400	27,800	25,500	23,400	70
75	70.4	201.1	27,200	25,000	23,000	21,200	75
80	68.9	199.2	24,400	22,500	20,800	19,200	80
85	67.4	197.2	22,000	20,400	18,800	17,400	85
90	65.9	195.0	19,900	18,500	17,100	15,800	90
95	64.4	192.6	18,100	16,800	15,500	14,400	95
100	62.8	190.1	16,400	15,300	14,200	13,100	100
105	61.3	187.3	15,000	13,900	12,900	12,000	105
110	59.7	184.4	13,600	12,700	11,800	10,900	110
115	58.0	181.4	12,400	11,600	10,700	10,000	115
120	56.4	178.1	11,300	10,500	9,800	9,100	120
125	54.7	174.6	10,300	9,600	8,900	8,300	125
130	53.0	170.9	9,400	8,700	8,100	7,500	130
135	51.2	166.9	8,500	7,900	7,400	6,800	135
140	49.4	162.7	7,700	7,200	6,700	6,200	140
145	47.5	158.1	7,000	6,500	6,000	5,600	145
150	45.6	153.3	6,300	5,900	5,400	5,000	150
155	43.6	148.2	5,700	5,300	4,900	4,500	155
160	41.5	142.6	5,100	4,700	4,300	3,900	160
165	39.4	136.6	4,500	4,200	3,700	3,300	165
170	37.1	130.2	4,000	3,600	3,200		170
175	34.7	123.1	3,400	3,000			175

MLC150-1 S-1



ft	°	ft	lb
42	80.4	220.2	66,100
44	79.8	219.8	61,600
46	79.3	219.4	57,600
48	78.8	219.0	54,000
50	78.2	218.6	50,800
55	76.9	217.4	43,900
60	75.5	216.2	38,400
65	74.1	214.8	33,900
70	72.7	213.2	30,100
75	71.3	211.6	26,900
80	69.9	209.8	24,100
85	68.5	207.8	21,700
90	67.1	205.7	19,600
95	65.6	203.5	17,700
100	64.2	201.1	16,100
105	62.7	198.5	14,600
110	61.2	195.8	13,300
115	59.7	192.9	12,000
120	58.1	189.8	10,900
125	56.5	186.6	9,900
130	54.9	183.1	9,000
135	53.3	179.4	8,200
140	51.6	175.5	7,400
145	49.9	171.3	6,600
150	48.1	166.9	6,000
155	46.3	162.2	5,300
160	44.4	157.2	4,700
165	42.5	151.8	4,100
170	40.4	146.0	3,500