

# Liftcrane Jib Capacities

Jib No. 134 on  
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:** Chart supplements Boom Capacity chart No. 9822-A. 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, jib lengths, and jib 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.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of load. Boom and jib are 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, Jib Rigging No. 80117860, Wire Rope Specifications chart No. 9841-A, Counterweight Arrangements chart No. 9828-A, and Wind Conditions chart No. 9842-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 ( $^{\circ}$ ) 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.



**JIB POINT ELEVATION:** Jib point elevation is vertical distance from barge deck to centerline of jib point shaft.

**MACHINE EQUIPMENT:** Machine equipped with 26 ft 2 in. crawlers, 48 in. treads, 17 ft 5 in. gantry, 10 part boom hoist reeving, boom straps, 75,200 lb crane counterweight, and 0 lb carbody counterweight.

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 and jib 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.

**Caution:** Combined weight beneath boom and jib point sheaves must not exceed block weight shown. Total weight beneath jib point must not exceed 2,000 lb.

**Table 1**

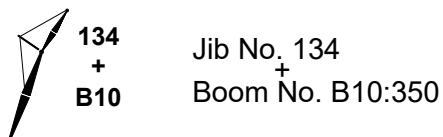
Over End or Side of Crawlers												
Boom Length (ft)	Jib No. 134											
	30.0 ft		40.0 ft		50.0 ft		60.0 ft		70.0 ft		80.0 ft	
	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°
	Block Weight (lb)											
88.6	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700
98.4	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,600	7,600
108.3	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,300	7,300	6,500	6,500
118.1	7,700	7,700	7,700	7,700	7,700	7,700	6,800	6,800	6,100	6,100	5,400	5,400
128.0	7,700	7,700	7,200	7,200	6,400	6,400	5,700	5,700	5,000	5,000	4,400	4,400
137.8	6,600	6,600	5,900	5,900	5,200	5,200	4,500	4,400	3,900	3,800	3,400	3,000
147.6	5,400	5,200	4,800	4,500	4,100	3,700	3,400	2,900	2,700	2,200	#	#
157.5	3,800	3,400	3,100	2,700	2,400	#	#	#	#	#	#	#
167.3	2,200	#	#	#	#	#	#	#	#	#	Raising Not Permitted	
177.2	#	#	#	#	#	#	#	#	#			
187.0	#	#	#	#	#	#	#	#	#			
187.0	#	#	#	#	#	#	#	#	#			
196.9	#	#	#	#	#	#	#	#	#			

**Table 2**

Over End of Blocked Crawlers												
Boom Length (ft)	Jib No. 134											
	30.0 ft		40.0 ft		50.0 ft		60.0 ft		70.0 ft		80.0 ft	
	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°	0°	1° - 3°
	Block Weight (lb)											
88.6	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700
98.4	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,600	7,600
108.3	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,700	7,300	7,300	6,500	6,500
118.1	7,700	7,700	7,700	7,700	7,700	7,700	6,800	6,800	6,100	6,100	5,400	5,400
128.0	7,700	7,700	7,200	7,200	6,400	6,400	5,700	5,700	5,000	5,000	4,400	4,400
137.8	6,600	6,600	5,900	5,900	5,200	5,200	4,500	4,500	3,900	3,900	3,400	3,400
147.6	5,400	5,400	4,800	4,800	4,100	4,100	3,500	3,500	3,000	3,000	3,000	3,000
157.5	4,100	4,100	3,500	3,500	3,000	3,000	3,000	3,000	3,000	3,000	3,000	2,700
167.3	3,000	3,000	3,000	3,000	3,000	3,000	3,000	2,500	2,300	#	#	#
177.2	3,000	3,000	2,700	2,300	#	#	#	#	#	#	#	#
187.0	#	#	#	#	#	#	#	#	#	#	Raising Not Permitted	
196.9	#	#	#	#	#	#	#	#	#	#		

**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



Jib No. 134  
+  
Boom No. B10:350



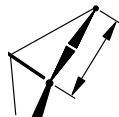
Crane Counterweight  
+  
Carbody Counterweight



360 Degree Rating



Boom Length



Jib Length



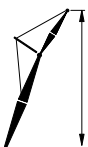
Jib Offset Angle



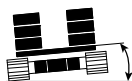
Operating Radius  
(see page 1)



Boom Angle  
(see page 1)



Jib Point Elevation  
(see page 1)

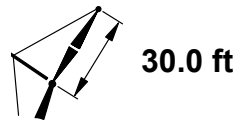
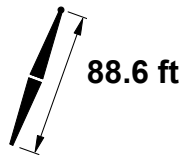
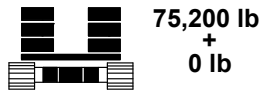


Machine List



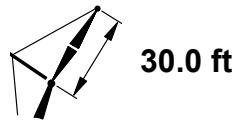
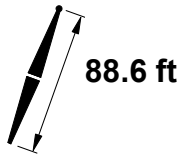
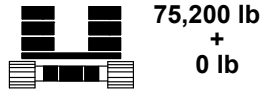
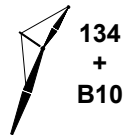
Lifting Capacities  
(see page 1)

# MLC150-1 S-1



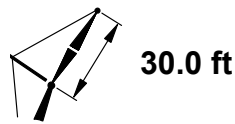
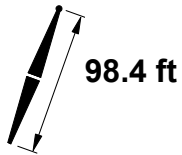
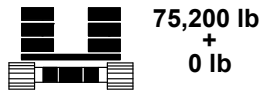
		5°						15°							
		0°				1°		0°				1°			
		lb				lb		lb				lb		ft	
		ft		°		ft		°		ft		°		ft	
30	79.0	124.9	59,200												30
32	78.0	124.4	59,200	55,100											32
34	77.0	123.9	59,200	54,600	48,200										34
36	76.0	123.4	59,200	54,100	47,900			78.5	122.6	58,700					36
37	75.5	123.1	59,200	53,900	47,800	43,000		78.0	122.3	58,500					37
38	75.0	122.8	59,200	53,700	47,600	42,800	77.5	122.0	58,300	51,200					38
40	74.0	122.2	59,200	53,300	47,300	42,500	76.5	121.4	57,800	50,900	45,500				40
41	73.5	121.9	59,200	53,100	47,100	42,400	76.0	121.0	57,600	50,700	45,400				41
42	73.0	121.5	59,200	52,900	46,900	42,300	75.5	120.7	57,400	50,600	45,300	41,000			42
43	72.5	121.2	59,200	52,600	46,800	42,200	75.0	120.4	57,200	50,400	45,200	40,900			43
44	72.0	120.9	59,200	52,400	46,600	42,000	74.5	120.0	57,000	50,300	45,100	40,900			44
45	71.5	120.5	59,200	52,200	46,500	41,900	74.0	119.7	56,800	50,100	45,000	40,800			45
46	71.0	120.1	59,200	52,000	46,300	41,800	73.5	119.3	56,600	50,000	44,800	40,700			46
48	70.0	119.4	57,900	51,700	46,000	41,600	72.5	118.5	56,200	49,700	44,700	40,500			48
50	69.0	118.6	54,700	51,300	45,700	41,300	71.4	117.7	55,500	49,500	44,400	40,400			50
55	66.4	116.4	47,900	45,200	42,700	40,400	68.8	115.5	48,600	45,900	43,400	40,000			55
60	63.8	113.9	42,400	40,200	38,200	36,300	66.2	113.0	43,000	40,800	38,700	36,800			60
65	61.0	111.1	37,900	36,100	34,400	32,800	63.4	110.2	38,400	36,600	34,900	33,300			65
70	58.2	108.0	34,100	32,600	31,200	29,800	60.6	107.1	34,600	33,100	31,600	30,300			70
75	55.4	104.6	30,900	29,700	28,400	27,300	57.7	103.6	31,400	30,100	28,800	27,700			75
80	52.4	100.8	28,200	27,100	26,100	25,100	54.7	99.7	28,600	27,400	26,400	25,400			80
85	49.2	96.5	25,800	24,900	24,000	23,100	51.5	95.4	26,100	25,200	24,300	23,400			85
90	46.0	91.7	23,700	22,900	22,100	21,400	48.2	90.5	24,000	23,200	22,400	21,600			90
95	42.5	86.3	21,900	21,200	20,500	19,800	44.6	85.1	22,100	21,400	20,700	20,000			95
100	38.7	80.1	20,200	19,600	19,000	18,400	40.8	78.8	20,400	19,800	19,200	18,600			100
105	34.6	73.1	18,700	18,200	17,700	17,200	36.6	71.6	18,900	18,300	17,800	17,300			105
110	30.0	64.7	17,400	16,900	16,500	16,100	31.9	63.0	17,500	17,000	16,600	16,200			110
111	28.9	62.7	17,100	16,700	16,300	15,800	30.7	60.9	17,200	16,800	16,400	16,000			111
112	27.8	60.7	16,900	16,400	16,000		29.6	58.8	17,000	16,600	16,100	15,700			112
113	26.8	58.7	16,600	16,200			28.5	56.6	16,700	16,300	15,900	15,500			113
114	25.7	56.7	16,400				27.3	54.5	16,500	16,100	15,700				114
115							26.2	52.3	16,200	15,800					115

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
30							30
32							32
34							34
36							36
37							37
38							38
40							40
41	78.6	119.2	41,400				41
42	78.0	118.9	40,900				42
43	77.5	118.5	40,400	40,300			43
44	77.0	118.2	39,900	39,800			44
45	76.5	117.8	39,500	39,300	39,200		45
46	76.0	117.4	39,000	38,800	38,800	38,700	46
48	74.9	116.7	38,100	38,000	37,900	37,800	48
50	73.9	115.8	37,300	37,200	37,100	37,000	50
55	71.2	113.6	35,400	35,300	35,200	35,100	55
60	68.5	111.1	33,700	33,600	33,600	33,500	60
65	65.7	108.2	32,200	32,200	32,100	32,000	65
70	62.8	105.0	30,900	30,800	30,800	30,700	70
75	59.9	101.5	29,700	29,700	29,200	28,000	75
80	56.8	97.5	28,700	27,800	26,700	25,700	80
85	53.5	93.0	26,400	25,500	24,600	23,700	85
90	50.1	88.0	24,200	23,400	22,600	21,900	90
95	46.4	82.4	22,300	21,600	20,900	20,200	95
100	42.5	75.9	20,500	19,900	19,400	18,800	100
105	38.1	68.3	19,000	18,500	18,000	17,500	105
110	33.0	59.2	17,500	17,100	16,700	16,300	110
111	31.8	57.0	17,300	16,900	16,400	16,000	111
112	30.6	54.7	17,000	16,600	16,200	15,800	112
113	29.4	52.4	16,700	16,400	16,000	15,600	113
114	28.2	50.2	16,500	16,100	15,700	15,400	114
115							115

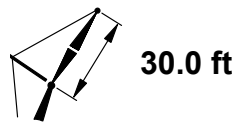
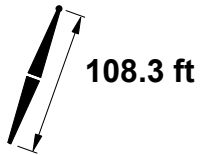
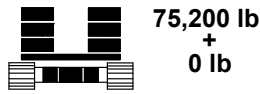
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	5°							15°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
32	78.9	134.5	59,200												32
34	78.0	134.0	59,200	54,600											34
36	77.1	133.5	59,200	54,200											36
37	76.6	133.3	59,200	54,000	47,800			79.0	132.5	58,700					37
38	76.2	133.0	59,200	53,800	47,600			78.5	132.2	58,500					38
39	75.7	132.7	59,200	53,600	47,400	42,700		78.0	131.9	58,300					39
40	75.3	132.5	59,200	53,400	47,300	42,500	77.6	131.6	58,000	50,900					40
42	74.4	131.9	59,200	53,000	47,000	42,300	76.7	131.0	57,600	50,700	45,300				42
44	73.4	131.2	59,200	52,700	46,700	42,000	75.7	130.4	57,200	50,400	45,100	40,800			44
45	73.0	130.9	59,200	52,500	46,600	42,000	75.3	130.1	57,000	50,200	45,000	40,700			45
46	72.5	130.6	59,200	52,300	46,400	41,900	74.8	129.7	56,800	50,100	44,900	40,700			46
47	72.1	130.2	58,400	52,100	46,300	41,700	74.3	129.4	56,700	50,000	44,800	40,600			47
48	71.6	129.9	57,600	51,900	46,100	41,600	73.9	129.0	56,500	49,900	44,700	40,500			48
49	71.1	129.5	56,000	51,300	46,000	41,500	73.4	128.7	55,900	49,700	44,600	40,400			49
50	70.7	129.2	54,400	50,700	45,900	41,400	72.9	128.3	55,200	49,600	44,500	40,400			50
55	68.3	127.2	47,500	44,600	42,000	39,500	70.5	126.3	48,300	45,300	42,700	40,100			55
60	65.9	124.9	42,100	39,700	37,500	35,500	68.1	124.0	42,700	40,300	38,100	36,100			60
65	63.4	122.4	37,500	35,600	33,700	32,000	65.6	121.5	38,100	36,100	34,300	32,600			65
70	60.9	119.6	33,800	32,100	30,600	29,100	63.1	118.7	34,300	32,600	31,000	29,600			70
75	58.3	116.5	30,600	29,200	27,800	26,600	60.5	115.6	31,000	29,600	28,300	27,000			75
80	55.7	113.1	27,800	26,600	25,500	24,400	57.8	112.1	28,200	27,000	25,900	24,800			80
85	52.9	109.4	25,400	24,400	23,400	22,400	55.1	108.3	25,800	24,700	23,700	22,800			85
90	50.1	105.2	23,300	22,400	21,600	20,700	52.2	104.1	23,600	22,700	21,900	21,000			90
95	47.1	100.6	21,500	20,700	19,900	19,200	49.2	99.4	21,700	21,000	20,200	19,500			95
100	43.9	95.4	19,800	19,100	18,500	17,800	46.0	94.2	20,100	19,400	18,700	18,000			100
105	40.6	89.7	18,300	17,700	17,100	16,600	42.6	88.4	18,500	17,900	17,300	16,800			105
110	37.0	83.2	17,000	16,500	15,900	15,500	38.9	81.8	17,200	16,600	16,100	15,600			110
115	33.0	75.7	15,800	15,300	14,900	14,400	34.9	74.1	15,900	15,400	15,000	14,600			115
120	28.6	66.8	14,600	14,300	13,900	13,500	30.3	65.1	14,700	14,400	14,000	13,600			120
121	27.6	64.8	14,400	14,100	13,700		29.2	62.9	14,500	14,200	13,800	13,400			121
122	26.6	62.7	14,200	13,900			28.2	60.7	14,300	14,000	13,600	13,200			122
123	25.6	60.6	14,000				27.1	58.5	14,100	13,800	13,400				123
124							26.0	56.3	13,900	13,500					124



# MLC150-1 S-1



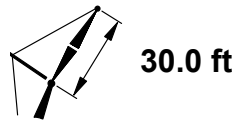
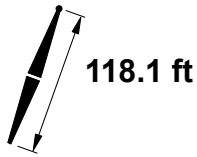
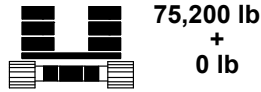
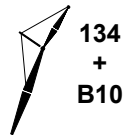
	5°							15°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
34	78.9	144.1	59,200											34
36	78.0	143.7	59,200											36
37	77.6	143.4	59,200	54,000										37
38	77.2	143.2	59,200	53,800										38
39	76.8	142.9	59,200	53,600	47,400			78.9	142.1	58,300				39
40	76.3	142.7	59,200	53,400	47,200			78.5	141.8	58,100				40
41	75.9	142.4	59,200	53,200	47,100	42,300		78.1	141.5	57,900				41
42	75.5	142.1	59,200	53,100	47,000	42,200		77.6	141.3	57,700	50,600			42
44	74.6	141.5	59,200	52,700	46,700	42,000		76.8	140.7	57,300	50,300	45,000		44
46	73.8	140.9	59,200	52,400	46,400	41,800		75.9	140.1	57,000	50,100	44,800	40,600	46
47	73.4	140.6	58,300	52,200	46,300	41,700		75.5	139.7	56,800	50,000	44,700	40,500	47
48	72.9	140.3	57,400	52,000	46,200	41,600		75.1	139.4	56,700	49,900	44,600	40,400	48
49	72.5	140.0	55,800	51,100	46,100	41,500		74.6	139.1	55,900	49,800	44,500	40,400	49
50	72.1	139.6	54,100	50,200	45,900	41,400		74.2	138.7	55,000	49,600	44,500	40,300	50
51	71.6	139.2	52,800	49,000	45,000	40,900		73.8	138.4	53,600	48,700	44,000	40,100	51
55	69.9	137.8	47,300	44,200	41,400	38,800		72.0	136.9	48,100	44,900	42,100	39,500	55
60	67.7	135.7	41,800	39,300	36,900	34,800		69.8	134.8	42,500	39,900	37,600	35,400	60
65	65.4	133.4	37,300	35,200	33,200	31,400		67.5	132.5	37,900	35,800	33,800	32,000	65
70	63.2	130.9	33,500	31,700	30,100	28,500		65.2	129.9	34,100	32,300	30,600	29,000	70
75	60.8	128.1	30,300	28,800	27,400	26,000		62.9	127.1	30,800	29,300	27,800	26,500	75
80	58.4	125.0	27,600	26,300	25,000	23,900		60.4	124.0	28,000	26,700	25,400	24,300	80
85	56.0	121.6	25,200	24,000	23,000	22,000		58.0	120.6	25,600	24,400	23,300	22,300	85
90	53.4	117.9	23,100	22,100	21,200	20,300		55.4	116.9	23,400	22,400	21,500	20,600	90
95	50.8	113.9	21,200	20,400	19,500	18,700		52.7	112.8	21,500	20,700	19,800	19,000	95
100	48.1	109.4	19,600	18,800	18,100	17,400		50.0	108.3	19,800	19,100	18,300	17,600	100
105	45.2	104.5	18,100	17,400	16,800	16,100		47.1	103.3	18,300	17,600	17,000	16,400	105
110	42.2	99.0	16,700	16,200	15,600	15,000		44.0	97.8	17,000	16,400	15,800	15,200	110
115	38.9	92.9	15,500	15,000	14,500	14,000		40.7	91.6	15,700	15,200	14,700	14,200	115
120	35.5	86.0	14,400	14,000	13,500	13,100		37.2	84.6	14,600	14,100	13,700	13,200	120
125	31.7	78.1	13,400	13,000	12,600	12,200		33.3	76.5	13,500	13,100	12,700	12,300	125
129	28.2	70.7	12,600	12,300	11,900	11,600		29.8	68.9	12,700	12,400	12,000	11,700	129
130	27.4	68.9	12,500	12,100	11,800			28.9	67.0	12,500	12,200	11,900	11,500	130
131	26.4	66.7	12,300	11,900				27.9	64.7	12,400	12,000	11,700		131
132	25.4	64.6	12,100					26.9	62.5	12,200	11,900			132
133								25.9	60.2	12,000				133





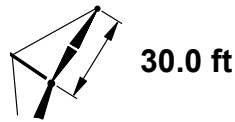
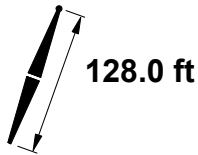
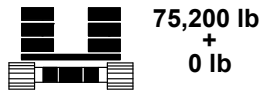


# MLC150-1 S-1



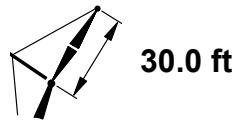
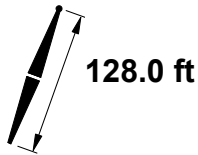
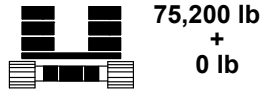
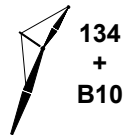
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
36							36
38							38
39							39
40							40
41							41
42							42
44							44
46	78.9	148.4	41,800				46
48	78.1	147.8	41,000				48
49	77.7	147.5	40,600	40,400			49
50	77.3	147.2	40,200	40,100			50
51	76.9	146.8	39,800	39,700	39,500		51
54	75.6	145.8	38,700	38,600	38,400	38,300	54
55	75.2	145.4	38,300	38,200	38,100	38,000	55
60	73.1	143.5	36,700	36,600	36,500	35,300	60
65	71.0	141.3	35,300	35,200	33,800	31,900	65
70	68.9	138.9	33,900	32,400	30,600	28,900	70
75	66.7	136.3	31,000	29,300	27,800	26,300	75
80	64.4	133.4	28,100	26,700	25,400	24,100	80
85	62.1	130.3	25,600	24,400	23,200	22,100	85
90	59.8	126.9	23,400	22,400	21,300	20,400	90
95	57.4	123.1	21,500	20,600	19,700	18,800	95
100	54.9	119.0	19,800	18,900	18,100	17,400	100
105	52.2	114.5	18,200	17,500	16,800	16,100	105
110	49.5	109.6	16,800	16,200	15,500	14,900	110
115	46.6	104.2	15,500	15,000	14,400	13,800	115
120	43.6	98.1	14,400	13,900	13,300	12,900	120
125	40.3	91.4	13,300	12,800	12,400	12,000	125
130	36.8	83.7	12,300	11,900	11,500	11,100	130
135	32.8	74.8	11,400	11,000	10,700	10,300	135
137	31.0	70.6	11,000	10,700	10,400	10,000	137
139	29.2	66.3	10,700	10,400	10,100	9,700	139
140	28.2	64.2	10,500	10,200	9,900	9,600	140
141							141
142							142

# MLC150-1 S-1



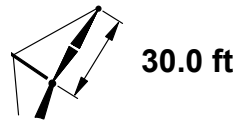
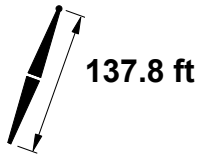
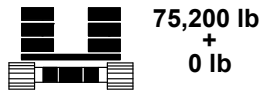
		5°						15°											
		0°		1°		2°		3°		0°		1°		2°		3°			
ft	°	ft	lb	lb	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	lb	lb	ft	ft
38	78.8	163.4	59,200															38	
40	78.1	162.9	59,200															40	
41	77.7	162.7	59,200	53,000														41	
42	77.3	162.5	59,200	52,900														42	
43	76.9	162.2	59,200	52,700	46,600				78.8	161.3	57,400							43	
44	76.6	162.0	59,200	52,500	46,400				78.5	161.1	57,300							44	
46	75.8	161.4	59,200	52,200	46,200	41,500			77.7	160.6	56,900	49,900						46	
48	75.1	160.9	56,700	51,900	45,900	41,300			77.0	160.0	56,700	49,700	44,300					48	
50	74.4	160.3	53,500	49,100	45,200	41,100			76.2	159.4	54,500	49,400	44,200					50	
51	74.0	160.0	52,100	47,900	44,200	40,300			75.8	159.1	53,100	48,300	43,500	39,900				51	
53	73.2	159.3	49,400	45,500	42,100	38,700			75.1	158.4	50,300	46,100	42,100	38,900				53	
55	72.5	158.7	46,600	43,100	40,000	37,100			74.3	157.8	47,500	44,000	40,800	37,900				55	
56	72.1	158.3	45,500	42,100	39,100	36,400			73.9	157.4	46,400	43,000	39,900	37,100				56	
60	70.6	156.9	41,100	38,200	35,600	33,300			72.4	156.0	41,900	39,000	36,300	33,900				60	
65	68.6	155.0	36,600	34,200	32,000	30,000			70.5	154.0	37,300	34,900	32,600	30,600				65	
70	66.7	152.8	32,800	30,800	28,900	27,200			68.5	151.9	33,400	31,400	29,500	27,700				70	
75	64.7	150.4	29,600	27,900	26,300	24,800			66.5	149.5	30,200	28,400	26,800	25,300				75	
80	62.7	147.9	26,900	25,400	24,000	22,600			64.5	146.9	27,400	25,800	24,400	23,100				80	
85	60.6	145.0	24,500	23,100	21,900	20,800			62.4	144.1	24,900	23,600	22,400	21,200				85	
90	58.6	142.0	22,400	21,200	20,100	19,100			60.3	141.0	22,800	21,600	20,500	19,500				90	
95	56.4	138.7	20,500	19,500	18,500	17,600			58.2	137.6	20,900	19,900	18,900	18,000				95	
100	54.2	135.1	18,800	17,900	17,100	16,300			55.9	134.0	19,200	18,300	17,400	16,600				100	
105	51.9	131.2	17,300	16,600	15,800	15,100			53.6	130.1	17,700	16,900	16,100	15,400				105	
110	49.6	126.9	16,000	15,300	14,600	14,000			51.3	125.8	16,300	15,600	14,900	14,200				110	
115	47.1	122.3	14,800	14,200	13,500	13,000			48.8	121.1	15,000	14,400	13,800	13,200				115	
120	44.6	117.3	13,700	13,100	12,600	12,000			46.2	116.0	13,900	13,300	12,800	12,200				120	
125	41.9	111.8	12,700	12,200	11,700	11,200			43.5	110.5	12,900	12,400	11,900	11,400				125	
130	39.1	105.7	11,700	11,300	10,800	10,400			40.7	104.3	11,900	11,500	11,000	10,600				130	
135	36.1	98.9	10,900	10,500	10,100	9,700			37.6	97.5	11,000	10,600	10,200	9,800				135	
140	32.9	91.4	10,100	9,700	9,400	9,000			34.3	89.8	10,200	9,800	9,500	9,100				140	
145	29.3	82.7	9,300	9,000	8,700	8,400			30.7	80.9	9,400	9,100	8,800	8,500				145	
146	28.5	80.7	9,200	8,900	8,600	8,300			29.8	78.8	9,300	9,000	8,700	8,400				146	
147	27.7	78.7	9,100	8,800	8,500				29.0	76.7	9,100	8,800	8,500	8,200				147	
148	26.9	76.6	8,900	8,600					28.2	74.6	9,000	8,700	8,400	8,100				148	
149	26.1	74.6	8,800	8,500					27.3	72.6	8,900	8,600	8,300					149	
150	25.2	72.6	8,600						26.5	70.5	8,700	8,400						150	
151									25.6	68.1	8,600							151	

# MLC150-1 S-1



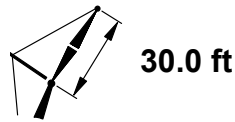
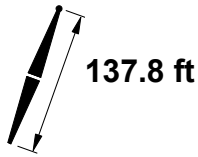
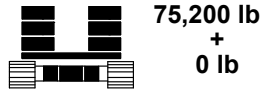
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
38							38
40							40
41							41
42							42
43							43
44							44
46							46
48	78.9	158.0	41,700				48
50	78.1	157.5	41,000				50
51	77.7	157.1	40,600	40,400			51
53	77.0	156.5	39,900	39,700	39,600		53
55	76.2	155.8	39,200	39,000	38,900		55
56	75.8	155.5	38,800	38,700	38,500	37,800	56
60	74.3	154.0	37,600	37,500	37,100	34,700	60
65	72.3	152.0	36,100	35,500	33,300	31,300	65
70	70.3	149.8	34,100	32,000	30,100	28,300	70
75	68.3	147.4	30,700	29,000	27,300	25,800	75
80	66.2	144.8	27,900	26,300	24,900	23,600	80
85	64.1	141.9	25,400	24,000	22,800	21,600	85
90	62.0	138.7	23,200	22,000	20,900	19,900	90
95	59.8	135.3	21,200	20,200	19,200	18,300	95
100	57.5	131.6	19,500	18,600	17,700	16,900	100
105	55.2	127.6	17,900	17,100	16,400	15,600	105
110	52.7	123.3	16,500	15,800	15,100	14,500	110
115	50.2	118.5	15,300	14,600	14,000	13,400	115
120	47.6	113.3	14,100	13,500	13,000	12,400	120
125	44.8	107.6	13,000	12,500	12,000	11,500	125
130	41.9	101.2	12,000	11,600	11,100	10,700	130
135	38.7	94.1	11,100	10,700	10,300	9,900	135
140	35.3	86.1	10,300	9,900	9,600	9,200	140
145	31.4	76.8	9,500	9,200	8,800	8,500	145
146	30.6	74.6	9,300	9,000	8,700	8,400	146
147	29.7	72.4	9,200	8,900	8,600	8,300	147
148	28.8	70.2	9,000	8,700	8,400	8,100	148
149	27.9	68.1	8,900	8,600	8,300		149
150							150
151							151

# MLC150-1 S-1



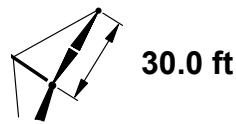
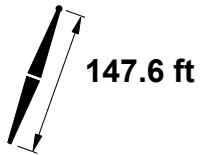
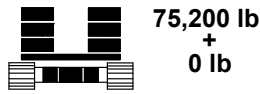
	5°							15°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
40	78.8	173.0	59,200											40
42	78.1	172.6	59,200											42
43	77.7	172.3	59,200	52,400										43
44	77.4	172.1	59,200	52,300										44
45	77.0	171.9	59,200	52,100				78.8	171.0	57,000				45
46	76.7	171.6	59,200	52,000	45,900			78.5	170.7	56,800				46
48	76.0	171.1	56,400	51,300	45,700	41,100		77.7	170.2	56,500	49,400			48
50	75.3	170.5	53,200	48,500	44,500	40,900		77.0	169.6	54,300	49,200			50
51	74.9	170.2	51,800	47,300	43,400	40,000		76.7	169.3	52,900	48,100	43,800		51
53	74.2	169.6	49,100	45,000	41,300	38,100		76.0	168.7	50,100	45,800	42,000	38,900	53
55	73.5	169.1	46,300	42,600	39,300	36,300		75.3	168.1	47,300	43,500	40,100	37,100	55
56	73.2	168.7	45,200	41,600	38,400	35,500		74.9	167.8	46,100	42,500	39,200	36,300	56
58	72.5	168.1	43,000	39,700	36,700	34,000		74.2	167.1	43,900	40,500	37,500	34,800	58
60	71.7	167.4	40,800	37,700	35,000	32,500		73.5	166.5	41,600	38,500	35,700	33,200	60
65	70.0	165.6	36,300	33,700	31,400	29,300		71.7	164.6	37,000	34,400	32,100	29,900	65
70	68.1	163.5	32,500	30,300	28,300	26,500		69.9	162.6	33,100	30,900	28,900	27,100	70
75	66.3	161.3	29,200	27,400	25,700	24,100		68.0	160.4	29,800	28,000	26,300	24,700	75
80	64.4	158.9	26,500	24,900	23,400	22,000		66.1	158.0	27,000	25,400	23,900	22,500	80
85	62.5	156.3	24,100	22,700	21,400	20,200		64.2	155.4	24,600	23,200	21,900	20,600	85
90	60.6	153.5	22,000	20,700	19,600	18,500		62.3	152.5	22,400	21,200	20,000	18,900	90
95	58.6	150.5	20,100	19,000	18,000	17,000		60.3	149.4	20,500	19,400	18,400	17,400	95
100	56.6	147.2	18,400	17,500	16,600	15,700		58.2	146.1	18,800	17,900	16,900	16,100	100
105	54.5	143.6	17,000	16,100	15,300	14,500		56.1	142.5	17,300	16,400	15,600	14,800	105
110	52.4	139.8	15,600	14,900	14,100	13,400		54.0	138.7	15,900	15,200	14,400	13,700	110
115	50.2	135.6	14,400	13,700	13,100	12,400		51.8	134.5	14,700	14,000	13,300	12,700	115
120	47.9	131.1	13,300	12,700	12,100	11,500		49.5	129.9	13,600	12,900	12,300	11,700	120
125	45.6	126.3	12,300	11,700	11,200	10,700		47.1	125.0	12,500	11,900	11,400	10,900	125
130	43.1	121.0	11,300	10,800	10,400	9,900		44.6	119.7	11,600	11,000	10,600	10,100	130
135	40.5	115.2	10,500	10,000	9,600	9,200		42.0	113.8	10,700	10,200	9,800	9,300	135
140	37.8	108.8	9,700	9,300	8,900	8,500		39.3	107.4	9,900	9,400	9,000	8,600	140
145	34.9	101.8	9,000	8,600	8,200	7,900		36.3	100.2	9,100	8,700	8,400	8,000	145
150	31.7	93.9	8,300	7,900	7,600	7,300		33.1	92.2	8,400	8,000	7,700	7,400	150
155	28.3	84.9	7,600	7,300	7,000	6,800		29.5	83.0	7,700	7,400	7,100	6,800	155
156	27.5	82.8	7,500	7,200	6,900			28.7	80.8	7,600	7,300	7,000	6,700	156
157	26.7	80.7	7,400	7,100				27.9	78.6	7,400	7,200	6,900		157
158	25.9	78.6	7,300					27.1	76.4	7,300	7,000	6,800		158
159	25.2	76.6	7,100					26.3	74.2	7,200	6,900			159
160								25.5	72.1	7,100				160

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
40							40
42							42
43							43
44							44
45							45
46							46
48							48
50	78.8	167.7	41,600				50
51	78.5	167.4	41,300				51
53	77.8	166.8	40,600	40,400			53
55	77.0	166.2	39,900	39,700			55
56	76.7	165.8	39,600	39,400	39,300		56
58	76.0	165.1	39,000	38,800	37,900	35,500	58
60	75.2	164.5	38,400	38,200	36,500	34,000	60
65	73.4	162.6	37,000	35,100	32,800	30,600	65
70	71.5	160.5	33,800	31,600	29,600	27,700	70
75	69.7	158.3	30,400	28,600	26,800	25,200	75
80	67.8	155.9	27,600	25,900	24,400	23,000	80
85	65.8	153.2	25,100	23,600	22,300	21,100	85
90	63.8	150.3	22,900	21,600	20,400	19,300	90
95	61.8	147.2	20,900	19,800	18,800	17,800	95
100	59.7	143.8	19,200	18,200	17,300	16,400	100
105	57.6	140.2	17,600	16,800	15,900	15,100	105
110	55.4	136.2	16,200	15,400	14,700	14,000	110
115	53.2	131.9	14,900	14,200	13,600	12,900	115
120	50.9	127.3	13,800	13,100	12,500	12,000	120
125	48.4	122.3	12,700	12,100	11,600	11,100	125
130	45.9	116.8	11,700	11,200	10,700	10,200	130
135	43.2	110.8	10,800	10,400	9,900	9,500	135
140	40.3	104.1	10,000	9,500	9,100	8,800	140
145	37.3	96.7	9,200	8,800	8,400	8,100	145
150	33.9	88.3	8,400	8,100	7,800	7,500	150
155	30.2	78.6	7,700	7,400	7,100	6,900	155
156	29.4	76.5	7,600	7,300	7,000	6,800	156
157	28.5	74.3	7,500	7,200	6,900	6,600	157
158							158
159							159
160							160

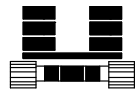
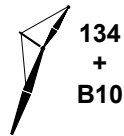
# MLC150-1 S-1



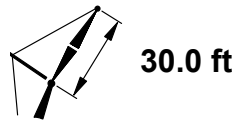
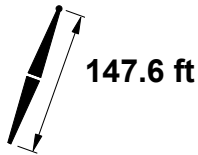
	5°							15°						
			75,200 lb + 0 lb						75,200 lb + 0 lb					
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
42	78.7	182.7	59,200											42
44	78.1	182.2	59,200											44
45	77.7	182.0	59,200	51,800										45
46	77.4	181.8	59,200	51,700										46
47	77.1	181.5	57,700	51,200				78.8	180.6	56,400				47
48	76.8	181.3	56,200	50,800	45,400			78.4	180.4	56,300				48
50	76.1	180.7	52,900	48,000	43,800			77.8	179.8	54,000	48,900			50
51	75.8	180.5	51,500	46,800	42,700	39,100		77.4	179.6	52,600	47,800			51
52	75.4	180.2	50,200	45,600	41,700	38,200		77.1	179.3	51,200	46,600			52
53	75.1	179.9	48,800	44,500	40,700	37,300		76.8	179.0	49,800	45,400	41,500		53
55	74.5	179.3	46,000	42,100	38,600	35,600		76.1	178.4	47,000	43,000	39,500		55
56	74.1	179.0	44,900	41,100	37,800	34,800		75.8	178.1	45,900	42,000	38,700	35,600	56
58	73.4	178.4	42,700	39,200	36,100	33,300		75.1	177.5	43,600	40,100	36,900	34,100	58
60	72.8	177.8	40,500	37,300	34,400	31,800		74.4	176.9	41,400	38,100	35,200	32,600	60
61	72.4	177.4	39,600	36,500	33,700	31,200		74.1	176.5	40,500	37,300	34,500	31,900	61
65	71.1	176.1	36,000	33,300	30,900	28,700		72.7	175.1	36,800	34,000	31,600	29,300	65
70	69.4	174.2	32,200	29,900	27,800	25,900		71.0	173.2	32,900	30,600	28,500	26,600	70
75	67.7	172.1	29,000	27,000	25,200	23,600		69.3	171.2	29,600	27,600	25,800	24,100	75
80	65.9	169.9	26,200	24,500	23,000	21,500		67.5	168.9	26,800	25,100	23,500	22,000	80
85	64.2	167.4	23,800	22,300	21,000	19,700		65.8	166.5	24,300	22,800	21,400	20,100	85
90	62.4	164.8	21,700	20,400	19,200	18,000		63.9	163.8	22,200	20,900	19,600	18,500	90
95	60.5	162.0	19,800	18,700	17,600	16,600		62.1	161.0	20,300	19,100	18,000	17,000	95
100	58.7	158.9	18,200	17,100	16,200	15,300		60.2	157.9	18,600	17,500	16,600	15,600	100
105	56.7	155.7	16,700	15,800	14,900	14,100		58.3	154.6	17,000	16,100	15,300	14,400	105
110	54.8	152.1	15,300	14,500	13,700	13,000		56.3	151.1	15,700	14,800	14,100	13,300	110
115	52.8	148.4	14,100	13,400	12,700	12,000		54.3	147.2	14,400	13,700	13,000	12,300	115
120	50.7	144.3	13,000	12,400	11,700	11,100		52.3	143.1	13,300	12,600	12,000	11,400	120
125	48.6	139.9	12,000	11,400	10,800	10,300		50.1	138.7	12,300	11,600	11,100	10,500	125
130	46.4	135.2	11,100	10,500	10,000	9,500		47.9	133.9	11,300	10,800	10,200	9,700	130
135	44.1	130.1	10,200	9,700	9,200	8,800		45.6	128.8	10,400	9,900	9,400	9,000	135
140	41.8	124.5	9,400	9,000	8,500	8,100		43.2	123.2	9,600	9,200	8,700	8,300	140
145	39.3	118.5	8,700	8,300	7,900	7,500		40.7	117.0	8,800	8,400	8,000	7,600	145
150	36.6	111.8	8,000	7,600	7,300	6,900		38.0	110.3	8,100	7,800	7,400	7,000	150
155	33.8	104.5	7,400	7,000	6,700	6,400		35.1	102.9	7,500	7,100	6,800	6,500	155
160	30.7	96.3	6,800	6,500	6,200	5,900		32.0	94.5	6,900	6,500	6,200	6,000	160
164	28.0	88.8	6,300	6,000	5,800	5,500		29.2	86.8	6,400	6,100	5,800	5,600	164
165	27.3	86.9	6,200	5,900	5,700			28.5	84.9	6,300	6,000	5,700	5,500	165
166	26.6	84.8	6,100	5,800				27.7	82.7	6,100	5,900	5,600		166
168	25.1	80.5	5,900					26.2	78.2	5,900	5,700			168
169								25.4	76.0	5,800				169



# MLC150-1 S-1



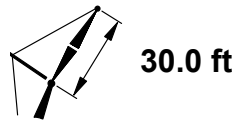
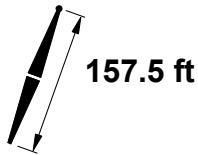
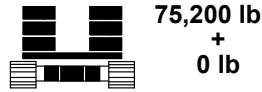
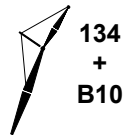
75,200 lb  
+  
0 lb



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
42							42
44							44
45							45
46							46
47							47
48							48
50							50
51							51
52	78.8	177.3	41,600				52
53	78.5	177.0	41,300				53
55	77.8	176.4	40,600	40,400			55
56	77.4	176.1	40,300	40,100			56
58	76.8	175.5	39,700	39,500	37,700		58
60	76.1	174.8	39,100	38,900	36,000		60
61	75.7	174.5	38,800	38,100	35,300	32,700	61
65	74.4	173.1	37,500	34,800	32,300	30,000	65
70	72.6	171.2	33,600	31,300	29,100	27,200	70
75	70.9	169.1	30,200	28,200	26,400	24,700	75
80	69.1	166.8	27,300	25,600	24,000	22,500	80
85	67.3	164.3	24,800	23,300	21,900	20,600	85
90	65.5	161.6	22,600	21,300	20,100	18,900	90
95	63.6	158.7	20,700	19,500	18,400	17,400	95
100	61.7	155.6	19,000	17,900	16,900	16,000	100
105	59.7	152.3	17,400	16,500	15,600	14,700	105
110	57.7	148.7	16,000	15,200	14,400	13,600	110
115	55.7	144.8	14,700	14,000	13,200	12,600	115
120	53.6	140.6	13,500	12,900	12,200	11,600	120
125	51.4	136.1	12,500	11,900	11,300	10,700	125
130	49.1	131.2	11,500	10,900	10,400	9,900	130
135	46.8	125.9	10,600	10,100	9,600	9,100	135
140	44.3	120.2	9,800	9,300	8,900	8,400	140
145	41.7	113.9	9,000	8,600	8,200	7,800	145
150	38.9	107.0	8,200	7,900	7,500	7,100	150
155	36.0	99.2	7,500	7,200	6,900	6,600	155
160	32.7	90.5	6,900	6,600	6,300	6,000	160
164	29.8	82.4	6,400	6,100	5,900	5,600	164
165	29.0	80.4	6,300	6,000	5,700	5,500	165
166	28.3	78.2	6,200	5,900	5,600	5,400	166
168							168
169							169

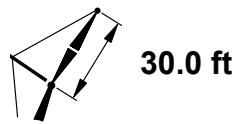
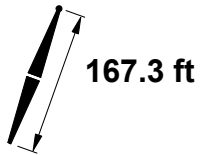
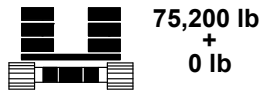


# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
44							44
46							46
47							47
48							48
49							49
50							50
52							52
53							53
54	78.8	186.9	41,500				54
55	78.5	186.7	41,200				55
57	77.8	186.1	40,600	40,400			57
58	77.5	185.8	40,300	39,800			58
60	76.9	185.2	39,700	38,500	35,500		60
63	75.9	184.2	38,200	36,000	33,300	30,700	63
65	75.2	183.5	37,300	34,400	31,800	29,400	65
70	73.6	181.7	33,300	30,900	28,600	26,600	70
75	72.0	179.7	29,900	27,800	25,900	24,200	75
80	70.3	177.6	27,100	25,200	23,500	22,000	80
85	68.6	175.3	24,500	22,900	21,500	20,100	85
90	66.9	172.8	22,300	20,900	19,600	18,400	90
95	65.1	170.1	20,400	19,100	18,000	16,900	95
100	63.4	167.2	18,600	17,500	16,500	15,500	100
105	61.6	164.1	17,100	16,100	15,100	14,300	105
110	59.7	160.8	15,700	14,800	13,900	13,100	110
115	57.8	157.2	14,400	13,600	12,800	12,100	115
120	55.9	153.4	13,200	12,500	11,800	11,100	120
125	53.9	149.3	12,200	11,500	10,900	10,300	125
130	51.9	144.8	11,200	10,600	10,000	9,400	130
135	49.8	140.1	10,300	9,700	9,200	8,700	135
140	47.6	135.0	9,400	8,900	8,400	8,000	140
145	45.3	129.5	8,600	8,200	7,700	7,300	145
150	42.9	123.5	7,900	7,500	7,100	6,700	150
155	40.3	116.9	7,200	6,800	6,500	6,100	155
160	37.7	109.7	6,600	6,200	5,900	5,600	160
165	34.8	101.6	6,000	5,700	5,400	5,100	165
170	31.6	92.6	5,400	5,100	4,800	4,500	170
172	30.1	88.4	5,200	4,900	4,600	4,300	172
174	28.7	84.2	5,000	4,700	4,400	4,100	174
175	28.0	82.1	4,800	4,600	4,300	4,000	175
177							177
178							178

# MLC150-1 S-1

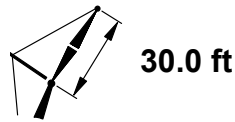
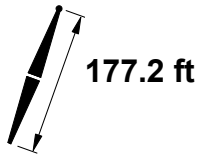
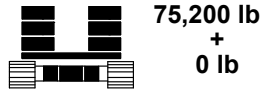


ft	5°							15°							ft
	°	ft	0°				°	ft	0°				ft		
			lb	lb	lb	lb			lb	lb	lb	lb			
45	79.0	202.2	59,200											45	
46	78.7	201.9	59,100											46	
48	78.1	201.5	55,500											48	
49	77.8	201.3	53,900	48,200										49	
50	77.5	201.0	52,300	46,900										50	
51	77.2	200.8	50,900	45,700			78.7	199.9	52,000					51	
52	76.9	200.5	49,500	44,600	40,200		78.4	199.6	50,600					52	
54	76.3	200.0	46,800	42,200	38,300		77.8	199.1	47,800	43,200				54	
55	76.0	199.8	45,400	41,100	37,300		77.5	198.9	46,500	42,100				55	
56	75.7	199.5	44,300	40,100	36,500	33,200	77.2	198.6	45,300	41,100				56	
57	75.4	199.2	43,200	39,200	35,600	32,500	76.9	198.3	44,200	40,100	36,500			57	
59	74.8	198.7	40,900	37,200	34,000	31,100	76.3	197.7	41,900	38,200	34,800			59	
60	74.5	198.4	39,800	36,300	33,200	30,400	76.0	197.5	40,800	37,200	34,000			60	
61	74.2	198.1	38,900	35,500	32,500	29,800	75.7	197.2	39,900	36,400	33,300	30,500		61	
62	73.9	197.8	38,000	34,700	31,800	29,200	75.4	196.8	38,900	35,600	32,600	29,900		62	
65	73.0	196.9	35,300	32,300	29,700	27,300	74.5	195.9	36,200	33,100	30,500	28,000		65	
66	72.7	196.5	34,500	31,700	29,100	26,800	74.2	195.6	35,400	32,500	29,800	27,500		66	
70	71.5	195.2	31,500	29,000	26,700	24,700	73.0	194.2	32,300	29,700	27,400	25,300		70	
75	70.0	193.3	28,300	26,100	24,100	22,400	71.5	192.4	29,000	26,800	24,800	23,000		75	
80	68.4	191.4	25,500	23,600	21,900	20,300	69.9	190.4	26,100	24,200	22,500	20,900		80	
85	66.9	189.2	23,100	21,400	19,900	18,500	68.3	188.2	23,700	22,000	20,500	19,100		85	
90	65.3	186.9	21,000	19,500	18,200	16,900	66.7	185.9	21,500	20,000	18,700	17,400		90	
95	63.7	184.4	19,100	17,800	16,600	15,500	65.1	183.4	19,600	18,300	17,100	16,000		95	
100	62.1	181.8	17,400	16,300	15,200	14,200	63.5	180.8	17,900	16,700	15,700	14,600		100	
105	60.4	178.9	15,900	14,900	14,000	13,100	61.8	177.9	16,400	15,300	14,400	13,400		105	
110	58.7	175.9	14,600	13,700	12,800	12,000	60.1	174.9	15,000	14,100	13,200	12,300		110	
115	57.0	172.7	13,400	12,500	11,800	11,000	58.4	171.6	13,700	12,900	12,100	11,300		115	
120	55.3	169.2	12,300	11,500	10,800	10,100	56.7	168.1	12,600	11,800	11,100	10,400		120	
125	53.5	165.5	11,300	10,600	9,900	9,300	54.9	164.4	11,600	10,900	10,200	9,600		125	
130	51.7	161.6	10,300	9,700	9,100	8,500	53.0	160.4	10,600	10,000	9,400	8,800		130	
135	49.8	157.3	9,500	8,900	8,300	7,800	51.1	156.2	9,700	9,100	8,600	8,100		135	
140	47.8	152.8	8,700	8,200	7,600	7,200	49.2	151.6	8,900	8,400	7,900	7,400		140	
145	45.8	148.0	7,900	7,500	7,000	6,600	47.2	146.8	8,200	7,700	7,200	6,700		145	
150	43.8	142.8	7,300	6,800	6,400	6,000	45.1	141.5	7,400	7,000	6,600	6,200		150	
155	41.6	137.2	6,600	6,200	5,800	5,400	42.9	135.9	6,800	6,400	6,000	5,600		155	
160	39.4	131.2	6,000	5,600	5,300	4,900	40.6	129.8	6,200	5,800	5,400	5,100		160	
170	34.5	117.5	4,900	4,500	4,200	3,800	35.7	115.9	5,000	4,700	4,300	3,900		170	
175	31.8	109.6	4,300	4,000	3,600	3,300	32.9	107.9	4,500	4,100	3,700	3,400		175	
180	28.9	100.8	3,800	3,400	3,100		30.0	98.8	3,900	3,500	3,200			180	
183	27.0	94.7	3,400	3,100			28.0	92.7	3,500	3,200				183	
184	26.3	92.7	3,300	3,000			27.3	90.6	3,400	3,100				184	
185	25.7	90.7	3,200				26.7	88.6	3,300	3,000				185	
187							25.2	84.0	3,100					187	



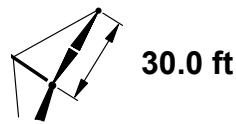
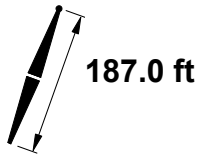
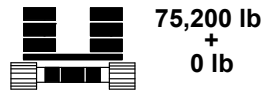


# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
47							47
48							48
50							50
51							51
52							52
54							54
55							55
56							56
58	78.7	206.2	41,400				58
59	78.4	205.9	41,100				59
60	78.1	205.6	40,900				60
61	77.9	205.3	40,000	36,800			61
63	77.3	204.8	38,400	35,200			63
64	77.0	204.5	37,600	34,400	31,400		64
65	76.7	204.2	36,800	33,600	30,700		65
68	75.8	203.2	34,400	31,500	28,900	26,400	68
70	75.2	202.6	32,800	30,100	27,600	25,400	70
75	73.8	200.8	29,400	27,100	25,000	23,000	75
80	72.3	198.9	26,500	24,500	22,600	20,900	80
85	70.8	196.8	23,900	22,200	20,600	19,100	85
90	69.3	194.6	21,700	20,200	18,700	17,400	90
95	67.7	192.2	19,800	18,400	17,100	15,900	95
100	66.2	189.7	18,000	16,800	15,600	14,600	100
105	64.6	187.0	16,400	15,300	14,300	13,300	105
110	63.0	184.1	15,000	14,000	13,100	12,200	110
115	61.4	181.0	13,800	12,800	12,000	11,200	115
120	59.7	177.7	12,600	11,800	11,000	10,200	120
125	58.0	174.2	11,500	10,800	10,100	9,400	125
130	56.3	170.5	10,500	9,800	9,200	8,600	130
135	54.5	166.5	9,600	9,000	8,400	7,800	135
140	52.7	162.2	8,800	8,200	7,700	7,100	140
145	50.8	157.7	8,000	7,500	7,000	6,500	145
150	48.9	152.9	7,300	6,800	6,300	5,900	150
155	46.9	147.7	6,600	6,100	5,700	5,200	155
160	44.8	142.1	5,900	5,500	5,100	4,600	160
165	42.6	136.1	5,300	4,900	4,400	4,000	165
170	40.3	129.6	4,700	4,200	3,800	3,400	170
175	37.9	122.6	4,000	3,600	3,300		175
180	35.4	114.8	3,400	3,100			180

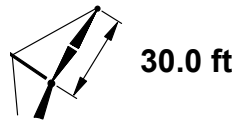
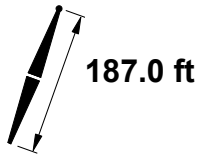
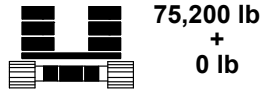
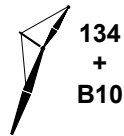
# MLC150-1 S-1



	5°							15°						
			75,200 lb + 0 lb						75,200 lb + 0 lb					
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
49	78.9	221.4	53,300											49
50	78.7	221.2	51,700											50
53	77.8	220.5	47,500	42,200										53
54	77.6	220.3	46,100	41,100				79.0	219.4	47,200				54
55	77.3	220.1	44,800	40,100				78.7	219.1	45,900				55
57	76.8	219.6	42,500	38,200	33,600			78.1	218.6	43,700				57
58	76.5	219.3	41,400	37,200	33,000			77.9	218.4	42,500	38,100			58
59	76.2	219.1	40,300	36,300	32,500			77.6	218.1	41,400	37,200			59
60	76.0	218.8	39,200	35,300	32,000	26,300		77.3	217.9	40,300	36,300			60
62	75.4	218.3	37,400	33,800	30,600	26,200		76.8	217.3	38,400	34,700	31,400		62
63	75.1	218.0	36,500	33,000	29,900	26,100		76.5	217.0	37,500	33,900	30,700		63
65	74.6	217.4	34,600	31,400	28,600	26,000		76.0	216.5	35,600	32,300	29,400	25,300	65
67	74.1	216.8	33,100	30,100	27,400	25,000		75.4	215.9	34,000	30,900	28,200	24,900	67
70	73.2	215.9	30,800	28,100	25,600	23,400		74.6	215.0	31,700	28,900	26,400	24,200	70
75	71.9	214.3	27,600	25,200	23,100	21,200		73.2	213.3	28,400	26,000	23,800	21,900	75
80	70.5	212.5	24,800	22,800	20,900	19,200		71.8	211.5	25,500	23,400	21,600	19,800	80
85	69.1	210.6	22,400	20,600	19,000	17,500		70.4	209.6	23,100	21,200	19,600	18,000	85
90	67.7	208.5	20,300	18,700	17,200	15,900		69.0	207.5	20,900	19,300	17,800	16,400	90
95	66.2	206.3	18,400	17,000	15,700	14,500		67.6	205.3	19,000	17,500	16,200	15,000	95
100	64.8	203.9	16,700	15,500	14,300	13,200		66.1	202.9	17,300	16,000	14,800	13,700	100
105	63.3	201.4	15,300	14,100	13,100	12,100		64.6	200.4	15,700	14,600	13,500	12,500	105
110	61.8	198.7	13,900	12,900	11,900	11,000		63.1	197.7	14,400	13,300	12,300	11,400	110
115	60.3	195.9	12,700	11,800	10,900	10,100		61.6	194.8	13,100	12,200	11,300	10,400	115
120	58.8	192.9	11,600	10,700	9,900	9,200		60.1	191.8	12,000	11,100	10,300	9,500	120
125	57.2	189.7	10,600	9,800	9,100	8,400		58.5	188.6	10,900	10,100	9,400	8,700	125
130	55.7	186.2	9,600	8,900	8,300	7,600		56.9	185.1	10,000	9,200	8,600	7,900	130
135	54.1	182.6	8,800	8,100	7,500	6,900		55.3	181.5	9,100	8,400	7,800	7,200	135
140	52.4	178.8	8,000	7,400	6,800	6,300		53.6	177.6	8,300	7,700	7,100	6,500	140
145	50.7	174.7	7,200	6,700	6,200	5,600		51.9	173.5	7,500	7,000	6,400	5,900	145
150	49.0	170.4	6,600	6,000	5,500	4,900		50.2	169.1	6,800	6,300	5,700	5,200	150
155	47.2	165.8	5,900	5,300	4,800	4,300		48.4	164.5	6,100	5,600	5,100	4,500	155
160	45.4	160.8	5,200	4,700	4,200	3,700		46.6	159.6	5,500	4,900	4,400	3,900	160
165	43.5	155.6	4,500	4,100	3,600	3,100		44.6	154.3	4,800	4,300	3,800	3,300	165
170	41.5	150.0	3,900	3,500	3,000			42.7	148.6	4,100	3,700	3,200		170
175	39.5	144.0	3,300					40.6	142.5	3,500	3,100			175
180								38.4	136.0	3,000				180

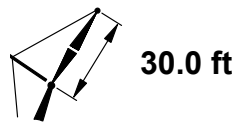
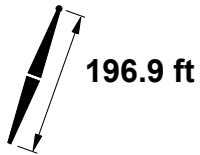
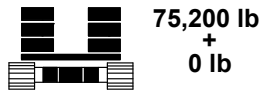


# MLC150-1 S-1



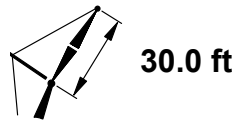
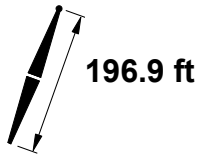
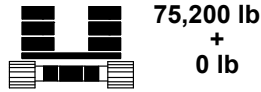
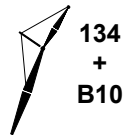
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
49							49
50							50
53							53
54							54
55							55
57							57
58							58
59	79.0	216.1	41,700				59
60	78.7	215.8	41,300				60
62	78.1	215.3	39,400				62
63	77.9	215.0	38,500	34,800			63
65	77.3	214.4	36,500	33,200			65
67	76.8	213.8	34,900	31,800	29,000		67
70	75.9	212.9	32,500	29,700	27,200	23,600	70
75	74.5	211.2	29,100	26,700	24,500	22,500	75
80	73.1	209.4	26,200	24,100	22,200	20,500	80
85	71.7	207.5	23,700	21,900	20,200	18,600	85
90	70.3	205.4	21,500	19,800	18,300	17,000	90
95	68.8	203.1	19,500	18,100	16,700	15,500	95
100	67.4	200.7	17,800	16,500	15,300	14,100	100
105	65.9	198.2	16,200	15,000	13,900	12,900	105
110	64.4	195.4	14,800	13,700	12,700	11,800	110
115	62.8	192.5	13,500	12,500	11,600	10,800	115
120	61.3	189.5	12,300	11,500	10,600	9,900	120
125	59.7	186.2	11,200	10,500	9,700	9,000	125
130	58.1	182.7	10,300	9,500	8,900	8,200	130
135	56.4	179.0	9,400	8,700	8,100	7,500	135
140	54.7	175.1	8,500	7,900	7,300	6,800	140
145	53.0	170.9	7,700	7,200	6,600	6,100	145
150	51.2	166.5	7,000	6,500	6,000	5,400	150
155	49.4	161.7	6,300	5,800	5,300	4,700	155
160	47.5	156.7	5,700	5,100	4,600	4,100	160
165	45.6	151.3	5,000	4,500	4,000	3,500	165
170	43.6	145.5	4,300	3,800	3,400	3,000	170
175	41.4	139.3	3,700	3,200			175
180	39.2	132.6	3,100				180

# MLC150-1 S-1



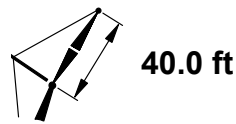
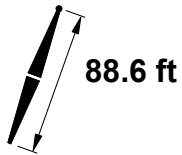
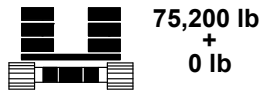
	5°							15°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
51	78.9	231.1	49,900												51
55	77.9	230.2	44,500	39,500											55
56	77.6	229.9	43,300	38,600				78.9	229.0	44,400					56
59	76.8	229.2	40,000	35,800	30,000			78.1	228.3	41,100					59
60	76.6	229.0	38,900	34,800	30,000			77.9	228.0	40,000	35,900				60
61	76.3	228.7	38,000	34,100	29,600			77.6	227.8	39,000	35,100				61
63	75.8	228.2	36,100	32,500	28,800	23,200		77.1	227.2	37,200	33,500				63
64	75.5	227.9	35,200	31,700	28,400	23,200		76.8	227.0	36,200	32,700	29,000			64
65	75.3	227.7	34,300	30,900	28,000	23,200		76.6	226.7	35,300	31,900	28,900			65
68	74.5	226.8	32,000	28,900	26,200	23,000		75.8	225.8	32,900	29,800	27,100	22,400		68
69	74.2	226.5	31,300	28,300	25,700	22,900		75.5	225.6	32,200	29,100	26,500	22,300		69
70	74.0	226.2	30,500	27,600	25,100	22,800		75.3	225.3	31,400	28,500	25,900	22,300		70
73	73.2	225.3	28,500	25,900	23,600	21,500		74.5	224.3	29,400	26,700	24,300	21,700		73
75	72.7	224.7	27,200	24,800	22,600	20,600		74.0	223.7	28,100	25,600	23,300	21,300		75
80	71.4	223.0	24,500	22,300	20,400	18,600		72.6	222.0	25,200	23,000	21,100	19,300		80
85	70.0	221.1	22,000	20,200	18,500	16,900		71.3	220.2	22,700	20,800	19,100	17,500		85
90	68.7	219.2	19,900	18,300	16,800	15,400		69.9	218.2	20,600	18,900	17,300	15,900		90
95	67.3	217.1	18,000	16,600	15,200	14,000		68.6	216.1	18,600	17,100	15,800	14,500		95
100	65.9	214.8	16,400	15,100	13,800	12,700		67.2	213.8	16,900	15,600	14,300	13,200		100
105	64.6	212.5	14,900	13,700	12,600	11,600		65.8	211.4	15,400	14,200	13,100	12,000		105
110	63.2	209.9	13,500	12,500	11,500	10,500		64.4	208.9	14,000	12,900	11,900	11,000		110
115	61.7	207.2	12,300	11,300	10,400	9,600		63.0	206.2	12,700	11,800	10,800	10,000		115
120	60.3	204.4	11,200	10,300	9,500	8,700		61.5	203.3	11,600	10,700	9,900	9,100		120
125	58.8	201.3	10,200	9,400	8,600	7,900		60.1	200.3	10,600	9,700	9,000	8,200		125
130	57.3	198.1	9,200	8,500	7,800	7,100		58.6	197.1	9,600	8,800	8,100	7,500		130
135	55.8	194.8	8,400	7,700	7,100	6,300		57.0	193.6	8,700	8,000	7,400	6,700		135
140	54.3	191.2	7,600	7,000	6,300	5,600		55.5	190.0	7,900	7,300	6,600	5,900		140
145	52.7	187.4	6,800	6,200	5,500	4,900		53.9	186.2	7,100	6,500	5,900	5,200		145
150	51.1	183.3	6,100	5,400	4,800	4,200		52.3	182.2	6,400	5,800	5,100	4,500		150
155	49.5	179.1	5,300	4,700	4,200	3,600		50.6	177.9	5,700	5,000	4,500	3,900		155
160	47.8	174.6	4,600	4,100	3,500	3,000		48.9	173.3	4,900	4,400	3,800	3,300		160
165	46.1	169.8	4,000	3,500	3,000			47.2	168.5	4,200	3,700	3,200			165
170	44.3	164.7	3,400					45.4	163.3	3,600	3,100				170
175								43.5	157.9	3,000					175

# MLC150-1 S-1



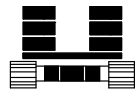
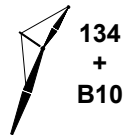
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
51							51
55							55
56							56
59							59
60							60
61	78.9	225.7	40,100				61
63	78.4	225.2	38,200				63
64	78.2	224.9	37,200				64
65	77.9	224.6	36,300	32,800			65
68	77.1	223.8	33,900	30,700			68
69	76.8	223.5	33,100	30,000	27,200		69
70	76.6	223.2	32,300	29,300	26,700		70
73	75.8	222.2	30,200	27,500	25,100	21,000	73
75	75.2	221.6	28,900	26,300	24,100	21,000	75
80	73.9	219.9	25,900	23,700	21,700	19,900	80
85	72.6	218.0	23,400	21,500	19,700	18,100	85
90	71.2	216.0	21,200	19,500	17,900	16,500	90
95	69.8	213.9	19,200	17,700	16,300	15,000	95
100	68.4	211.6	17,400	16,100	14,800	13,700	100
105	67.0	209.2	15,900	14,700	13,500	12,500	105
110	65.6	206.6	14,400	13,300	12,300	11,400	110
115	64.1	203.9	13,200	12,200	11,200	10,300	115
120	62.7	201.0	12,000	11,100	10,200	9,400	120
125	61.2	197.9	10,900	10,100	9,300	8,600	125
130	59.7	194.7	9,900	9,200	8,400	7,800	130
135	58.1	191.2	9,000	8,300	7,700	7,000	135
140	56.6	187.5	8,200	7,500	6,900	6,300	140
145	55.0	183.7	7,400	6,800	6,200	5,500	145
150	53.3	179.6	6,700	6,100	5,400	4,800	150
155	51.6	175.2	5,900	5,300	4,700	4,100	155
160	49.9	170.6	5,200	4,600	4,000	3,500	160
165	48.1	165.7	4,500	3,900	3,400		165
170	46.3	160.4	3,800	3,300			170
175	44.4	154.8	3,200				175

# MLC150-1 S-1

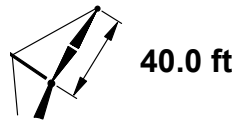
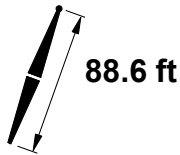


	5°							15°							
			0°								0°				
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft	
34	78.8	134.1	52,400											34	
36	77.9	133.6	51,800	43,800										36	
38	77.0	133.1	51,300	43,400	37,800									38	
40	76.0	132.5	50,700	43,100	37,600									40	
41	75.6	132.2	50,500	42,900	37,500		78.7	131.1	46,900					41	
42	75.1	132.0	50,300	42,700	37,300	33,200	78.2	130.8	46,800					42	
43	74.7	131.6	50,000	42,500	37,200	33,100	77.7	130.5	46,600	40,100				43	
44	74.2	131.3	49,800	42,400	37,000	33,000	77.3	130.2	46,400	40,000				44	
45	73.7	131.0	49,500	42,200	36,900	32,900	76.8	129.9	46,300	39,900	35,100			45	
46	73.3	130.7	49,300	42,000	36,800	32,800	76.3	129.5	46,100	39,800	35,000			46	
47	72.8	130.3	49,000	41,900	36,600	32,700	75.9	129.2	46,000	39,600	34,900	31,300		47	
48	72.4	130.0	48,800	41,700	36,500	32,500	75.4	128.8	45,800	39,500	34,900	31,300		48	
50	71.4	129.2	48,400	41,400	36,300	32,400	74.5	128.1	45,500	39,300	34,700	31,200		50	
52	70.5	128.4	48,000	41,100	36,100	32,200	73.5	127.3	45,200	39,100	34,500	31,000		52	
54	69.5	127.6	47,500	40,800	35,800	32,000	72.5	126.5	44,900	38,900	34,400	30,900		54	
55	69.1	127.2	47,300	40,600	35,700	31,900	72.1	126.1	44,800	38,800	34,300	30,800		55	
60	66.7	125.0	42,900	39,900	35,100	31,400	69.6	123.8	43,000	38,300	34,000	30,500		60	
65	64.2	122.5	38,400	36,400	34,500	31,000	67.2	121.3	39,000	37,100	33,700	30,300		65	
70	61.7	119.7	34,600	32,900	31,400	29,900	64.6	118.5	35,200	33,500	31,900	30,100		70	
75	59.1	116.6	31,400	29,900	28,600	27,400	62.0	115.4	31,900	30,500	29,100	27,900		75	
80	56.5	113.2	28,600	27,400	26,200	25,200	59.3	111.9	29,100	27,900	26,700	25,600		80	
85	53.7	109.5	26,200	25,200	24,200	23,200	56.5	108.1	26,600	25,600	24,600	23,600		85	
90	50.9	105.3	24,100	23,200	22,300	21,500	53.7	103.9	24,500	23,600	22,700	21,900		90	
95	47.9	100.7	22,200	21,400	20,700	19,900	50.6	99.2	22,600	21,800	21,000	20,300		95	
100	44.7	95.6	20,600	19,900	19,200	18,600	47.4	94.0	20,900	20,200	19,500	18,900		100	
105	41.4	89.8	19,100	18,500	17,900	17,300	44.0	88.1	19,300	18,700	18,100	17,600		105	
110	37.8	83.3	17,700	17,200	16,700	16,200	40.3	81.5	17,900	17,400	16,900	16,400		110	
115	33.8	75.8	16,500	16,000	15,600	15,200	36.3	73.8	16,700	16,200	15,800	15,300		115	
120	29.4	67.0	15,400	15,000	14,600	14,200	31.7	64.7	15,500	15,100	14,700	14,400		120	
121	28.4	64.9	15,200	14,800	14,400	14,000	30.6	62.4	15,300	14,900	14,500	14,200		121	
122	27.3	62.8	15,000	14,600	14,200		29.5	60.1	15,100	14,700	14,300	14,000		122	
123	26.3	60.7	14,700	14,400			28.4	57.8	14,900	14,500	14,200	13,800		123	
124	25.3	58.6	14,500				27.3	55.6	14,600	14,300	14,000			124	
125							26.2	53.3	14,400	14,100				125	

# MLC150-1 S-1

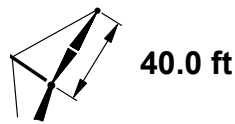
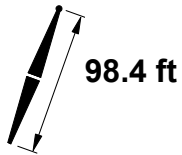
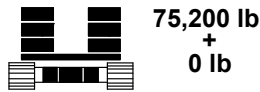


75,200 lb  
+  
0 lb



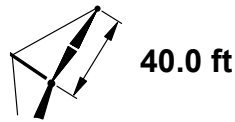
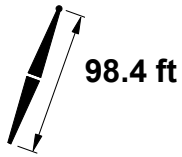
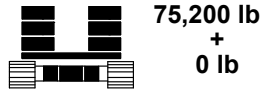
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
34							34
36							36
38							38
40							40
41							41
42							42
43							43
44							44
45							45
46							46
47	79.0	126.8	31,800				47
48	78.5	126.5	31,400				48
50	77.5	125.7	30,700	30,500			50
52	76.6	124.9	30,100	29,900	29,700		52
54	75.6	124.1	29,500	29,300	29,100	27,700	54
55	75.1	123.6	29,200	29,000	28,800	27,700	55
60	72.6	121.3	27,800	27,600	27,500	27,300	60
65	70.1	118.7	26,600	26,400	26,300	26,200	65
70	67.5	115.9	25,500	25,300	25,200	25,100	70
75	64.8	112.7	24,500	24,300	24,300	24,100	75
80	62.1	109.1	23,600	23,500	23,400	23,300	80
85	59.2	105.2	22,800	22,700	22,500	22,500	85
90	56.2	100.9	22,000	21,900	21,800	21,800	90
95	53.1	96.0	21,400	21,300	21,200	20,600	95
100	49.8	90.6	20,800	20,400	19,800	19,100	100
105	46.2	84.5	19,500	18,900	18,400	17,800	105
110	42.4	77.5	18,100	17,600	17,100	16,600	110
115	38.0	69.3	16,800	16,400	15,900	15,500	115
120	33.1	59.4	15,600	15,200	14,800	14,500	120
121	31.9	57.0	15,400	15,000	14,600	14,300	121
122	30.7	54.6	15,100	14,800	14,400	14,100	122
123	29.5	52.2	14,900	14,600	14,200	13,900	123
124							124
125							125

# MLC150-1 S-1



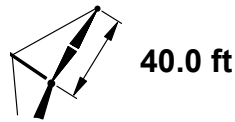
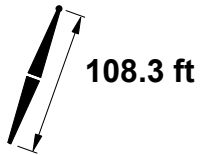
	5°							15°							
			0°								0°				
	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft
36	78.7	143.8	52,000												36
38	77.9	143.3	51,500	43,600											38
40	77.0	142.8	51,000	43,200											40
41	76.6	142.5	50,800	43,000	37,600										41
42	76.2	142.2	50,500	42,800	37,400										42
43	75.8	141.9	50,300	42,700	37,300	33,100	78.6	140.8	46,800						43
44	75.3	141.6	50,100	42,500	37,200	33,000	78.2	140.5	46,600						44
45	74.9	141.3	49,900	42,400	37,100	32,900	77.8	140.2	46,500	39,900					45
46	74.5	141.0	49,600	42,300	36,900	32,900	77.3	139.9	46,400	39,800					46
47	74.1	140.7	49,400	42,100	36,800	32,800	76.9	139.5	46,200	39,700	35,000				47
48	73.6	140.4	49,200	41,900	36,700	32,600	76.5	139.2	46,000	39,600	35,000				48
49	73.2	140.0	49,000	41,800	36,500	32,600	76.0	138.9	45,900	39,500	34,900				49
50	72.8	139.7	48,800	41,600	36,400	32,500	75.6	138.5	45,700	39,400	34,800	31,200			50
52	71.9	139.0	48,400	41,300	36,200	32,300	74.7	137.8	45,500	39,300	34,700	31,100			52
54	71.0	138.2	48,000	41,000	36,000	32,100	73.8	137.0	45,200	39,100	34,500	30,900			54
55	70.6	137.9	47,800	40,900	35,900	32,000	73.4	136.7	45,100	39,000	34,500	30,900			55
56	70.2	137.4	46,800	40,700	35,800	31,900	73.0	136.3	44,800	38,900	34,400	30,800			56
60	68.4	135.8	42,500	40,000	35,300	31,600	71.2	134.6	43,400	38,600	34,100	30,600			60
65	66.2	133.5	38,000	35,900	33,900	31,200	68.9	132.3	38,800	36,600	33,800	30,400			65
70	63.9	131.0	34,200	32,400	30,700	29,200	66.6	129.7	34,900	33,100	31,400	29,800			70
75	61.5	128.2	31,000	29,500	28,000	26,700	64.2	126.9	31,600	30,000	28,600	27,200			75
80	59.1	125.1	28,200	26,900	25,700	24,500	61.8	123.8	28,800	27,400	26,200	25,000			80
85	56.7	121.7	25,800	24,700	23,600	22,600	59.3	120.4	26,300	25,200	24,100	23,000			85
90	54.1	118.0	23,700	22,700	21,800	20,900	56.8	116.6	24,100	23,100	22,200	21,300			90
95	51.5	114.0	21,800	21,000	20,100	19,300	54.1	112.5	22,200	21,400	20,500	19,700			95
100	48.8	109.5	20,200	19,400	18,700	18,000	51.3	108.0	20,500	19,800	19,000	18,300			100
105	45.9	104.6	18,700	18,000	17,400	16,700	48.4	103.0	19,000	18,300	17,700	17,000			105
110	42.9	99.1	17,300	16,700	16,200	15,600	45.4	97.5	17,600	17,000	16,400	15,900			110
115	39.7	93.0	16,100	15,600	15,100	14,600	42.1	91.2	16,300	15,800	15,300	14,800			115
120	36.2	86.2	15,000	14,500	14,100	13,600	38.5	84.2	15,200	14,700	14,300	13,800			120
125	32.4	78.3	14,000	13,600	13,200	12,800	34.6	76.1	14,100	13,700	13,300	12,900			125
130	28.1	69.0	13,000	12,700	12,300	12,000	30.2	66.5	13,100	12,800	12,400	12,100			130
131	27.1	66.9	12,800	12,500	12,200		29.1	64.2	13,000	12,600	12,300	12,000			131
132	26.2	64.7	12,700	12,300			28.1	61.8	12,800	12,400	12,100	11,800			132
133	25.2	62.5	12,500				27.0	59.5	12,600	12,300	11,900				133
134							26.0	57.2	12,400						134

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
36							36
38							38
40							40
41							41
42							42
43							43
44							44
45							45
46							46
47							47
48							48
49	78.9	136.4	31,800				49
50	78.5	136.1	31,400				50
52	77.6	135.3	30,800	30,500			52
54	76.7	134.6	30,200	30,000	29,800		54
55	76.3	134.2	29,900	29,700	29,500		55
56	75.8	133.8	29,600	29,400	29,300	29,100	56
60	74.0	132.1	28,500	28,400	28,200	28,100	60
65	71.7	129.7	27,300	27,200	27,000	26,900	65
70	69.3	127.1	26,200	26,100	26,000	25,800	70
75	66.9	124.2	25,200	25,100	25,000	24,800	75
80	64.4	121.0	24,300	24,200	24,100	24,000	80
85	61.9	117.5	23,500	23,400	23,300	23,200	85
90	59.2	113.7	22,800	22,700	22,600	21,700	90
95	56.5	109.5	22,100	21,700	20,900	20,100	95
100	53.6	104.8	20,800	20,100	19,300	18,600	100
105	50.6	99.6	19,300	18,600	17,900	17,300	105
110	47.4	93.9	17,800	17,200	16,700	16,100	110
115	44.0	87.4	16,500	16,000	15,500	15,000	115
120	40.3	80.0	15,300	14,900	14,400	14,000	120
125	36.1	71.3	14,200	13,800	13,400	13,100	125
130	31.3	60.9	13,200	12,900	12,500	12,200	130
131	30.1	58.4	13,000	12,700	12,300	12,000	131
132	29.0	56.0	12,800	12,500	12,200	11,900	132
133							133
134							134

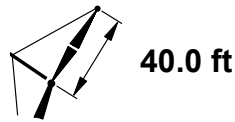
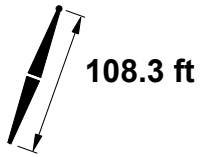
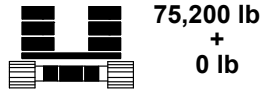
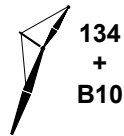
# MLC150-1 S-1



	5°							15°							
			0°								0°				
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft	
38	78.7	153.4	51,600											38	
40	77.9	152.9	51,200	43,300										40	
42	77.1	152.4	50,800	42,900										42	
43	76.7	152.1	50,500	42,700	37,300									43	
44	76.3	151.9	50,300	42,600	37,200									44	
45	75.9	151.6	50,100	42,500	37,000	32,900	78.6	150.4	46,500					45	
46	75.5	151.3	49,900	42,300	36,900	32,900	78.2	150.1	46,400					46	
47	75.1	151.0	49,700	42,200	36,800	32,800	77.8	149.8	46,300	39,800				47	
48	74.7	150.7	49,500	42,100	36,700	32,700	77.4	149.5	46,200	39,700				48	
49	74.3	150.4	49,300	41,900	36,600	32,600	77.0	149.2	46,000	39,600	34,800			49	
50	73.9	150.1	49,100	41,700	36,500	32,500	76.6	148.9	45,900	39,500	34,800			50	
51	73.5	149.7	48,900	41,600	36,400	32,400	76.2	148.5	45,800	39,500	34,700			51	
52	73.1	149.4	48,600	41,500	36,300	32,300	75.8	148.2	45,700	39,400	34,700	31,000		52	
54	72.3	148.7	48,100	41,200	36,100	32,100	75.0	147.5	45,400	39,200	34,500	30,900		54	
55	71.9	148.4	47,800	41,100	36,000	32,100	74.6	147.2	45,300	39,100	34,500	30,900		55	
56	71.5	148.0	46,700	40,800	35,900	32,000	74.1	146.8	44,900	39,000	34,400	30,900		56	
58	70.7	147.2	44,500	40,200	35,700	31,800	73.3	146.0	44,000	38,800	34,300	30,800		58	
60	69.9	146.5	42,300	39,500	35,400	31,700	72.5	145.2	43,200	38,700	34,200	30,700		60	
65	67.8	144.3	37,700	35,500	33,400	31,300	70.4	143.1	38,500	36,200	33,900	30,500		65	
70	65.7	142.0	33,900	32,000	30,300	28,600	68.3	140.8	34,700	32,700	30,900	29,300		70	
75	63.6	139.5	30,700	29,100	27,600	26,100	66.1	138.2	31,400	29,700	28,200	26,700		75	
80	61.4	136.6	28,000	26,500	25,200	24,000	63.9	135.3	28,500	27,100	25,800	24,500		80	
85	59.2	133.6	25,500	24,300	23,200	22,100	61.7	132.2	26,100	24,800	23,700	22,600		85	
90	56.9	130.2	23,400	22,400	21,400	20,400	59.4	128.9	23,900	22,800	21,800	20,800		90	
95	54.5	126.6	21,600	20,600	19,700	18,900	57.0	125.2	22,000	21,100	20,100	19,300		95	
100	52.1	122.6	19,900	19,100	18,300	17,500	54.5	121.2	20,300	19,500	18,700	17,900		100	
105	49.5	118.3	18,400	17,700	17,000	16,300	51.9	116.8	18,800	18,000	17,300	16,600		105	
110	46.9	113.5	17,100	16,400	15,800	15,200	49.3	111.9	17,400	16,700	16,100	15,500		110	
115	44.2	108.3	15,900	15,300	14,700	14,200	46.5	106.6	16,100	15,500	15,000	14,400		115	
120	41.3	102.5	14,700	14,200	13,700	13,200	43.5	100.8	15,000	14,500	13,900	13,500		120	
125	38.1	96.1	13,700	13,300	12,800	12,400	40.3	94.2	13,900	13,500	13,000	12,600		125	
130	34.8	88.9	12,800	12,400	12,000	11,600	36.9	86.8	13,000	12,500	12,100	11,700		130	
135	31.1	80.6	11,900	11,500	11,200	10,900	33.1	78.3	12,000	11,700	11,300	11,000		135	
138	28.6	74.8	11,400	11,100	10,800	10,400	30.5	72.3	11,500	11,200	10,900	10,600		138	
139	27.8	72.9	11,300	10,900	10,600		29.7	70.3	11,400	11,000	10,700	10,400		139	
140	27.0	70.9	11,100	10,800			28.8	68.3	11,200	10,900	10,600	10,300		140	
141	26.0	68.7	10,900	10,600			27.8	65.9	11,000	10,700	10,400			141	
142	25.1	66.5	10,800				26.8	63.5	10,900	10,600				142	
143							25.8	61.1	10,700					143	

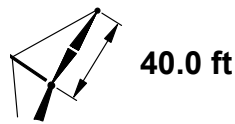
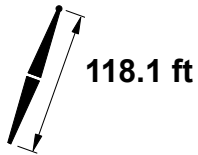
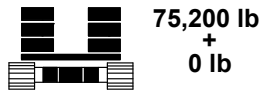


# MLC150-1 S-1



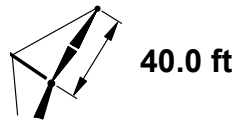
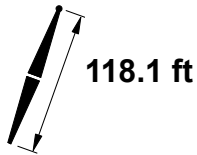
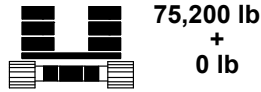
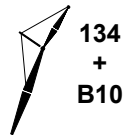
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
38							38
40							40
42							42
43							43
44							44
45							45
46							46
47							47
48							48
49							49
50							50
51	78.9	146.1	31,700				51
52	78.5	145.7	31,400				52
54	77.6	145.0	30,800	30,600			54
55	77.2	144.6	30,600	30,300			55
56	76.8	144.2	30,300	30,100	29,900		56
58	76.0	143.5	29,800	29,600	29,400	29,200	58
60	75.1	142.7	29,200	29,100	28,900	28,700	60
65	73.0	140.5	28,000	27,800	27,700	27,500	65
70	70.8	138.1	26,900	26,800	26,700	26,500	70
75	68.6	135.5	25,900	25,800	25,700	25,500	75
80	66.4	132.6	25,100	24,900	24,800	24,700	80
85	64.1	129.4	24,200	24,100	24,000	23,100	85
90	61.7	126.0	23,500	23,300	22,300	21,300	90
95	59.2	122.2	22,400	21,500	20,500	19,700	95
100	56.7	118.0	20,700	19,800	19,000	18,200	100
105	54.1	113.5	19,100	18,300	17,600	16,900	105
110	51.3	108.5	17,700	17,000	16,400	15,700	110
115	48.4	103.1	16,400	15,800	15,200	14,700	115
120	45.4	97.0	15,200	14,700	14,200	13,700	120
125	42.0	90.1	14,100	13,600	13,200	12,700	125
130	38.4	82.3	13,100	12,700	12,300	11,900	130
135	34.4	73.2	12,100	11,800	11,400	11,100	135
138	31.5	66.6	11,600	11,300	10,900	10,600	138
139	30.6	64.4	11,400	11,100	10,800	10,500	139
140	29.7	62.2	11,200	10,900	10,600	10,300	140
141							141
142							142
143							143

# MLC150-1 S-1



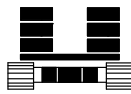
	5°							15°							
			0°								0°				
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft	
40	78.7	163.0	51,300											40	
42	77.9	162.5	50,800	42,900										42	
44	77.2	162.0	50,400	42,600										44	
45	76.8	161.8	50,200	42,500	37,000									45	
46	76.5	161.5	50,000	42,300	36,900			79.0	160.3	46,500				46	
48	75.7	161.0	49,600	42,100	36,700	32,600		78.2	159.8	46,300				48	
49	75.3	160.7	49,500	41,900	36,600	32,600		77.8	159.5	46,100	39,600			49	
50	75.0	160.4	49,300	41,800	36,500	32,500		77.5	159.2	46,000	39,500			50	
52	74.2	159.7	48,600	41,500	36,300	32,300		76.7	158.5	45,800	39,300	34,600		52	
53	73.8	159.4	48,200	41,400	36,200	32,200		76.3	158.2	45,700	39,300	34,600		53	
54	73.5	159.1	47,800	41,300	36,100	32,100		75.9	157.9	45,500	39,200	34,500	30,900	54	
55	73.1	158.8	47,500	41,100	36,000	32,000		75.6	157.6	45,400	39,100	34,400	30,900	55	
56	72.7	158.4	46,400	40,700	35,900	32,000		75.2	157.2	44,900	39,000	34,400	30,800	56	
58	72.0	157.7	44,200	39,900	35,700	31,800		74.4	156.5	43,900	38,900	34,300	30,700	58	
60	71.2	157.0	41,900	39,000	35,500	31,700		73.7	155.8	42,900	38,800	34,200	30,600	60	
61	70.8	156.6	41,000	38,200	35,000	31,500		73.3	155.4	42,000	38,200	34,100	30,600	61	
65	69.3	155.0	37,400	35,000	32,800	30,700		71.7	153.8	38,300	35,800	33,600	30,500	65	
70	67.3	152.9	33,600	31,500	29,700	27,900		69.7	151.6	34,400	32,300	30,400	28,600	70	
75	65.3	150.5	30,400	28,600	27,000	25,500		67.8	149.2	31,100	29,300	27,600	26,100	75	
80	63.3	147.9	27,600	26,100	24,700	23,400		65.7	146.6	28,200	26,700	25,300	23,900	80	
85	61.3	145.1	25,200	23,900	22,600	21,500		63.6	143.8	25,800	24,400	23,200	22,000	85	
90	59.2	142.1	23,100	21,900	20,800	19,800		61.5	140.7	23,600	22,400	21,300	20,300	90	
95	57.0	138.7	21,200	20,200	19,200	18,300		59.4	137.3	21,700	20,600	19,700	18,700	95	
100	54.8	135.2	19,500	18,600	17,800	17,000		57.1	133.7	20,000	19,000	18,200	17,400	100	
105	52.6	131.2	18,000	17,200	16,500	15,700		54.8	129.8	18,400	17,600	16,800	16,100	105	
110	50.2	127.0	16,700	16,000	15,300	14,600		52.5	125.5	17,000	16,300	15,600	15,000	110	
115	47.8	122.4	15,500	14,800	14,200	13,600		50.0	120.8	15,800	15,100	14,500	13,900	115	
120	45.2	117.4	14,300	13,800	13,200	12,700		47.4	115.7	14,600	14,100	13,500	13,000	120	
125	42.6	111.9	13,300	12,800	12,300	11,800		44.7	110.1	13,600	13,100	12,600	12,100	125	
130	39.8	105.8	12,400	11,900	11,500	11,100		41.8	103.9	12,600	12,100	11,700	11,300	130	
135	36.8	99.1	11,500	11,100	10,700	10,300		38.8	97.1	11,700	11,300	10,900	10,500	135	
140	33.5	91.5	10,700	10,400	10,000	9,600		35.5	89.3	10,900	10,500	10,100	9,800	140	
145	30.0	82.9	10,000	9,600	9,300	9,000		31.8	80.4	10,100	9,800	9,500	9,100	145	
147	28.3	78.8	9,700	9,400	9,100	8,800		30.1	76.2	9,800	9,500	9,200	8,900	147	
148	27.5	76.8	9,600	9,200	9,000			29.3	74.1	9,700	9,400	9,100	8,800	148	
149	26.7	74.8	9,400	9,100				28.4	72.0	9,500	9,200	8,900	8,600	149	
150	25.9	72.7	9,300					27.6	69.9	9,400	9,100	8,800		150	
151	25.0	70.5	9,100					26.6	67.5	9,200	8,900			151	
152								25.7	65.0	9,100				152	

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
40							40
42							42
44							44
45							45
46							46
48							48
49							49
50							50
52							52
53	78.8	155.7	31,700				53
54	78.5	155.3	31,400				54
55	78.1	155.0	31,100				55
56	77.7	154.6	30,800	30,600			56
58	76.9	153.9	30,300	30,100	29,900		58
60	76.1	153.2	29,800	29,600	29,500		60
61	75.7	152.8	29,600	29,400	29,200	29,100	61
65	74.2	151.2	28,700	28,500	28,300	28,200	65
70	72.2	149.0	27,600	27,400	27,300	27,200	70
75	70.1	146.5	26,600	26,400	26,300	26,200	75
80	68.0	143.9	25,700	25,600	25,500	24,500	80
85	65.9	141.0	24,900	24,800	23,700	22,500	85
90	63.8	137.8	24,100	22,900	21,800	20,800	90
95	61.5	134.4	22,100	21,100	20,100	19,200	95
100	59.3	130.7	20,400	19,500	18,600	17,800	100
105	56.9	126.6	18,800	18,000	17,200	16,500	105
110	54.5	122.2	17,400	16,600	15,900	15,300	110
115	51.9	117.4	16,100	15,400	14,800	14,200	115
120	49.3	112.1	14,900	14,300	13,700	13,200	120
125	46.5	106.3	13,800	13,300	12,800	12,300	125
130	43.5	99.9	12,800	12,300	11,900	11,400	130
135	40.3	92.7	11,900	11,400	11,000	10,600	135
140	36.8	84.5	11,000	10,600	10,300	9,900	140
145	32.8	75.0	10,200	9,800	9,500	9,200	145
147	31.0	70.5	9,900	9,500	9,200	8,900	147
148	30.1	68.3	9,700	9,400	9,100	8,800	148
149	29.2	66.0	9,500	9,300	9,000	8,700	149
150							150
151							151
152							152

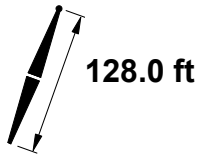
# MLC150-1 S-1



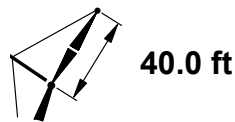
75,200 lb  
+  
0 lb



360°



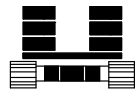
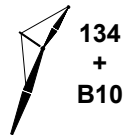
128.0 ft



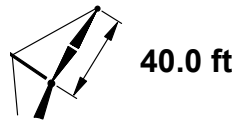
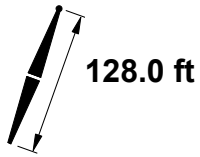
40.0 ft

	5°							15°						
			75,200 lb + 0 lb						75,200 lb + 0 lb					
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
41	79.0	172.9	51,000											41
42	78.6	172.7	50,800											42
44	78.0	172.2	50,400	42,500										44
46	77.3	171.7	50,100	42,300										46
47	76.9	171.4	49,900	42,100	36,700									47
48	76.6	171.2	49,700	42,000	36,600			78.9	170.0	46,200				48
50	75.9	170.6	49,300	41,800	36,400	32,400		78.2	169.4	46,000				50
51	75.5	170.3	48,900	41,700	36,300	32,300		77.9	169.1	45,900	39,400			51
54	74.5	169.4	47,600	41,300	36,000	32,100		76.8	168.2	45,600	39,200	34,400		54
55	74.1	169.1	47,200	41,200	35,900	32,000		76.4	167.9	45,500	39,100	34,400		55
57	73.4	168.5	44,900	40,100	35,800	31,900		75.7	167.2	44,400	39,000	34,300	30,700	57
58	73.0	168.1	43,800	39,600	35,700	31,800		75.4	166.9	43,800	38,900	34,200	30,600	58
60	72.3	167.5	41,600	38,500	35,600	31,700		74.7	166.2	42,600	38,700	34,200	30,600	60
63	71.3	166.4	38,900	36,100	33,500	30,700		73.6	165.1	39,800	36,700	33,500	30,500	63
65	70.5	165.6	37,100	34,500	32,200	30,100		72.8	164.4	38,000	35,400	33,000	30,400	65
70	68.7	163.6	33,300	31,100	29,100	27,300		71.0	162.3	34,100	31,900	29,900	28,000	70
75	66.9	161.4	30,000	28,200	26,500	24,900		69.2	160.1	30,800	28,900	27,200	25,500	75
80	65.0	159.0	27,200	25,600	24,200	22,800		67.3	157.7	27,900	26,300	24,800	23,400	80
85	63.1	156.4	24,800	23,400	22,100	20,900		65.4	155.1	25,500	24,000	22,700	21,500	85
90	61.2	153.6	22,700	21,500	20,300	19,300		63.4	152.2	23,300	22,000	20,900	19,800	90
95	59.2	150.5	20,800	19,800	18,700	17,800		61.4	149.2	21,400	20,300	19,200	18,200	95
100	57.2	147.2	19,200	18,200	17,300	16,400		59.4	145.8	19,600	18,700	17,700	16,900	100
105	55.1	143.7	17,700	16,800	16,000	15,200		57.3	142.2	18,100	17,200	16,400	15,600	105
110	53.0	139.9	16,300	15,600	14,800	14,100		55.1	138.4	16,700	15,900	15,200	14,500	110
115	50.8	135.7	15,100	14,400	13,800	13,100		52.9	134.2	15,500	14,800	14,100	13,500	115
120	48.5	131.2	14,000	13,400	12,800	12,200		50.6	129.6	14,300	13,700	13,100	12,500	120
125	46.2	126.4	13,000	12,400	11,900	11,400		48.2	124.7	13,300	12,700	12,200	11,600	125
130	43.7	121.1	12,000	11,500	11,000	10,600		45.7	119.3	12,300	11,800	11,300	10,800	130
135	41.1	115.3	11,200	10,700	10,300	9,800		43.1	113.4	11,400	10,900	10,500	10,100	135
140	38.4	108.9	10,400	10,000	9,600	9,200		40.3	107.0	10,600	10,200	9,800	9,400	140
145	35.5	101.9	9,600	9,300	8,900	8,500		37.4	99.8	9,800	9,400	9,100	8,700	145
150	32.4	94.0	8,900	8,600	8,300	8,000		34.1	91.7	9,100	8,700	8,400	8,100	150
155	28.9	85.0	8,300	8,000	7,700	7,400		30.6	82.4	8,400	8,100	7,800	7,500	155
156	28.1	82.9	8,200	7,900	7,600	7,300		29.8	80.2	8,300	8,000	7,700	7,400	156
157	27.3	80.9	8,000	7,800	7,500			28.9	78.0	8,100	7,900	7,600	7,300	157
158	26.6	78.8	7,900	7,600				28.1	75.8	8,000	7,700	7,500	7,200	158
159	25.8	76.7	7,800					27.3	73.6	7,900	7,600	7,300		159
160								26.5	71.4	7,800	7,500			160
161								25.6	69.0	7,600				161

# MLC150-1 S-1

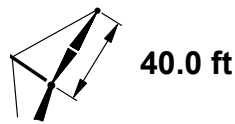
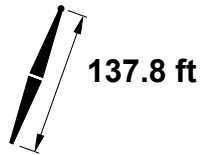
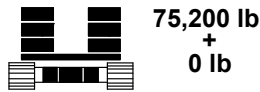


75,200 lb  
+  
0 lb



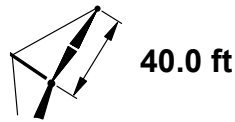
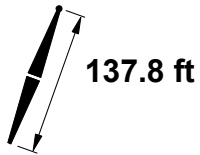
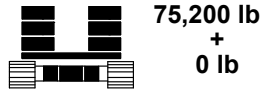
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
41							41
42							42
44							44
46							46
47							47
48							48
50							50
51							51
54							54
55	78.8	165.3	31,600				55
57	78.1	164.6	31,100				57
58	77.7	164.3	30,900	30,700			58
60	77.0	163.6	30,400	30,200	30,000		60
63	75.9	162.5	29,700	29,500	29,300	29,200	63
65	75.2	161.7	29,200	29,000	28,900	28,700	65
70	73.3	159.7	28,200	28,000	27,900	27,700	70
75	71.4	157.4	27,200	27,000	26,900	26,200	75
80	69.5	154.9	26,300	26,200	25,400	24,000	80
85	67.5	152.3	25,500	24,600	23,300	22,000	85
90	65.5	149.4	23,800	22,600	21,400	20,300	90
95	63.5	146.2	21,900	20,800	19,700	18,700	95
100	61.4	142.8	20,100	19,100	18,200	17,300	100
105	59.3	139.1	18,500	17,600	16,800	16,000	105
110	57.1	135.2	17,100	16,300	15,600	14,800	110
115	54.8	130.9	15,800	15,100	14,400	13,800	115
120	52.4	126.2	14,600	14,000	13,400	12,800	120
125	50.0	121.1	13,500	13,000	12,400	11,900	125
130	47.4	115.6	12,500	12,000	11,500	11,000	130
135	44.7	109.5	11,600	11,100	10,700	10,200	135
140	41.8	102.8	10,700	10,300	9,900	9,500	140
145	38.7	95.2	9,900	9,600	9,200	8,800	145
150	35.3	86.7	9,200	8,800	8,500	8,200	150
155	31.5	76.7	8,500	8,200	7,900	7,600	155
156	30.6	74.4	8,300	8,000	7,700	7,500	156
157	29.7	72.1	8,200	7,900	7,600	7,300	157
158	28.9	69.8	8,000	7,800	7,500	7,200	158
159							159
160							160
161							161

# MLC150-1 S-1



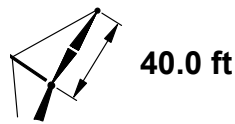
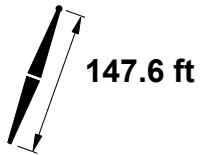
ft	5°						15°						ft
	°	ft	Capacity (lb)				°	ft	Capacity (lb)				
			0°	1°	2°	3°			0°	1°	2°	3°	
43	79.0	182.5	50,500										43
44	78.6	182.3	50,300										44
46	78.0	181.8	50,000	42,100									46
48	77.3	181.3	49,600	41,900									48
49	77.0	181.1	49,500	41,800	36,400								49
50	76.7	180.8	49,300	41,700	36,300		78.9	179.6	46,000	36,300			50
52	76.0	180.3	48,300	41,400	36,100	32,100	78.2	179.0	45,800				52
53	75.7	180.0	47,800	41,300	36,000	32,100	77.9	178.7	45,700	39,100			53
55	75.0	179.4	46,800	41,100	35,800	31,900	77.2	178.2	45,500	38,900			55
56	74.7	179.1	45,700	40,500	35,700	31,900	76.9	177.9	44,900	38,900	34,200		56
57	74.3	178.8	44,600	39,900	35,600	31,800	76.5	177.5	44,200	38,800	34,200		57
59	73.7	178.2	42,400	38,600	35,300	31,700	75.9	176.9	43,000	38,700	34,100	30,500	59
60	73.3	177.9	41,300	38,000	35,100	31,600	75.5	176.6	42,400	38,700	34,100	30,400	60
63	72.3	176.8	38,500	35,600	33,000	30,200	74.5	175.6	39,600	36,400	33,100	30,300	63
65	71.7	176.1	36,700	34,000	31,600	29,400	73.8	174.9	37,700	34,900	32,500	30,200	65
66	71.3	175.8	36,000	33,300	31,000	28,800	73.5	174.5	36,900	34,200	31,800	29,700	66
70	69.9	174.2	32,900	30,600	28,500	26,600	72.1	173.0	33,800	31,500	29,300	27,400	70
75	68.2	172.2	29,700	27,700	25,900	24,200	70.4	170.9	30,500	28,500	26,600	25,000	75
80	66.5	169.9	26,900	25,200	23,600	22,200	68.6	168.6	27,600	25,900	24,300	22,800	80
85	64.7	167.5	24,500	23,000	21,600	20,300	66.8	166.2	25,100	23,600	22,200	20,900	85
90	62.9	164.9	22,300	21,000	19,800	18,700	65.0	163.5	22,900	21,600	20,400	19,200	90
95	61.1	162.1	20,500	19,300	18,200	17,200	63.2	160.7	21,000	19,900	18,800	17,700	95
100	59.2	159.0	18,800	17,800	16,800	15,900	61.3	157.6	19,300	18,300	17,300	16,400	100
105	57.3	155.7	17,300	16,400	15,500	14,700	59.4	154.3	17,800	16,800	16,000	15,100	105
110	55.4	152.2	15,900	15,100	14,300	13,600	57.4	150.8	16,400	15,500	14,700	14,000	110
115	53.4	148.4	14,700	14,000	13,300	12,600	55.4	146.9	15,100	14,400	13,600	13,000	115
120	51.3	144.4	13,600	12,900	12,300	11,700	53.3	142.8	14,000	13,300	12,600	12,000	120
125	49.2	140.0	12,600	12,000	11,400	10,800	51.2	138.4	12,900	12,300	11,700	11,100	125
130	47.0	135.3	11,600	11,100	10,600	10,100	48.9	133.6	12,000	11,400	10,900	10,300	130
135	44.7	130.2	10,800	10,300	9,800	9,300	46.6	128.4	11,100	10,600	10,100	9,600	135
140	42.3	124.6	10,000	9,500	9,100	8,700	44.2	122.8	10,200	9,800	9,300	8,900	140
145	39.8	118.6	9,200	8,800	8,400	8,000	41.7	116.6	9,500	9,000	8,600	8,200	145
150	37.2	111.9	8,500	8,200	7,800	7,500	39.0	109.9	8,700	8,400	8,000	7,600	150
155	34.4	104.6	7,900	7,600	7,200	6,900	36.1	102.4	8,100	7,700	7,400	7,100	155
160	31.3	96.4	7,300	7,000	6,700	6,400	32.9	94.0	7,400	7,100	6,800	6,500	160
164	28.6	88.9	6,800	6,600	6,300	6,000	30.2	86.3	6,900	6,700	6,400	6,100	164
165	27.9	87.0	6,700	6,400	6,200		29.5	84.3	6,800	6,600	6,300	6,000	165
166	27.2	84.9	6,600	6,300	6,100		28.7	82.0	6,700	6,400	6,200	5,900	166
167	26.4	82.8	6,500	6,200			27.9	79.8	6,600	6,300	6,100		167
168	25.7	80.7	6,400				27.1	77.5	6,500	6,200	6,000		168
169							26.3	75.2	6,400	6,100			169
170							25.5	72.9	6,300				170

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
43							43
44							44
46							46
48							48
49							49
50							50
52							52
53							53
55							55
56							56
57	78.8	174.9	31,600				57
59	78.1	174.3	31,100				59
60	77.8	174.0	30,900	30,700			60
63	76.7	172.9	30,200	30,000	29,800		63
65	76.0	172.2	29,800	29,600	29,400		65
66	75.7	171.8	29,500	29,400	29,200	29,100	66
70	74.3	170.3	28,700	28,500	28,400	28,200	70
75	72.5	168.2	27,800	27,600	27,400	25,700	75
80	70.7	165.9	26,900	26,600	25,000	23,500	80
85	68.9	163.4	25,800	24,300	22,800	21,500	85
90	67.1	160.7	23,500	22,200	21,000	19,800	90
95	65.2	157.8	21,600	20,400	19,300	18,200	95
100	63.3	154.6	19,800	18,700	17,800	16,800	100
105	61.3	151.3	18,200	17,300	16,400	15,500	105
110	59.3	147.6	16,800	15,900	15,100	14,400	110
115	57.2	143.7	15,500	14,700	14,000	13,300	115
120	55.1	139.5	14,300	13,600	13,000	12,300	120
125	52.9	135.0	13,200	12,600	12,000	11,400	125
130	50.6	130.0	12,200	11,700	11,100	10,600	130
135	48.2	124.7	11,300	10,800	10,300	9,800	135
140	45.7	118.9	10,400	10,000	9,500	9,100	140
145	43.1	112.5	9,600	9,200	8,800	8,400	145
150	40.3	105.5	8,900	8,500	8,100	7,800	150
155	37.3	97.6	8,200	7,800	7,500	7,200	155
160	33.9	88.7	7,500	7,200	6,900	6,600	160
164	30.9	80.4	7,000	6,700	6,400	6,200	164
165	30.2	78.4	6,900	6,600	6,300	6,100	165
166	29.4	76.1	6,700	6,500	6,200	6,000	166
167							167
168							168
169							169
170							170

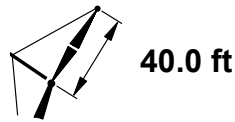
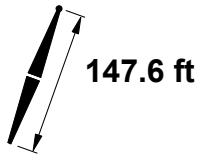
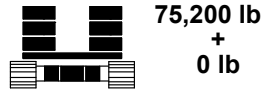
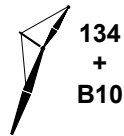
# MLC150-1 S-1



	5°							15°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
45	78.9	192.2	49,900												45
46	78.6	191.9	49,800												46
48	78.0	191.5	49,500	41,700											48
50	77.4	191.0	49,200	41,500											50
52	76.7	190.4	48,100	41,300	35,900			78.9	189.2	45,600					52
55	75.8	189.7	46,600	41,000	35,700	31,800		77.9	188.4	45,400	38,800				55
58	74.9	188.8	43,200	38,900	35,000	31,500		76.9	187.5	43,500	38,700	34,000			58
59	74.5	188.5	42,100	38,300	34,800	31,500		76.6	187.2	42,800	38,600	33,900			59
60	74.2	188.2	41,000	37,600	34,600	31,400		76.3	186.9	42,100	38,500	33,900			60
61	73.9	187.8	40,100	36,800	33,900	30,900		76.0	186.6	41,200	37,700	33,500	30,200		61
62	73.6	187.5	39,200	36,000	33,200	30,300		75.7	186.3	40,300	37,000	33,100	30,100		62
65	72.6	186.6	36,400	33,600	31,000	28,700		74.7	185.3	37,500	34,600	32,000	29,600		65
68	71.7	185.5	34,100	31,600	29,200	27,100		73.7	184.2	35,100	32,500	30,100	28,000		68
70	71.0	184.8	32,600	30,200	28,000	26,000		73.1	183.5	33,500	31,100	28,900	26,900		70
75	69.4	182.8	29,400	27,300	25,400	23,700		71.5	181.5	30,200	28,100	26,200	24,400		75
80	67.8	180.7	26,600	24,800	23,200	21,600		69.8	179.4	27,400	25,500	23,900	22,300		80
85	66.1	178.5	24,200	22,600	21,200	19,800		68.1	177.1	24,900	23,300	21,800	20,400		85
90	64.4	176.0	22,100	20,700	19,400	18,200		66.5	174.7	22,700	21,300	20,000	18,800		90
95	62.7	173.4	20,200	19,000	17,800	16,700		64.7	172.0	20,800	19,500	18,400	17,300		95
100	61.0	170.5	18,500	17,400	16,400	15,400		63.0	169.1	19,100	17,900	16,900	15,900		100
105	59.2	167.5	17,000	16,000	15,100	14,300		61.2	166.1	17,500	16,500	15,600	14,700		105
110	57.4	164.2	15,700	14,800	14,000	13,200		59.4	162.8	16,100	15,200	14,400	13,600		110
115	55.6	160.8	14,400	13,600	12,900	12,200		57.5	159.3	14,900	14,100	13,300	12,600		115
120	53.7	157.0	13,300	12,600	11,900	11,300		55.6	155.5	13,700	13,000	12,300	11,600		120
125	51.8	153.0	12,300	11,700	11,000	10,400		53.7	151.4	12,700	12,000	11,400	10,800		125
130	49.8	148.7	11,400	10,800	10,200	9,700		51.6	147.1	11,700	11,100	10,500	10,000		130
135	47.7	144.1	10,500	10,000	9,400	8,900		49.6	142.4	10,800	10,300	9,700	9,200		135
140	45.6	139.2	9,700	9,200	8,700	8,300		47.4	137.4	10,000	9,500	9,000	8,500		140
145	43.4	133.8	9,000	8,500	8,100	7,700		45.2	132.0	9,200	8,800	8,300	7,900		145
150	41.1	128.0	8,300	7,900	7,500	7,100		42.8	126.1	8,500	8,100	7,700	7,300		150
155	38.6	121.7	7,600	7,300	6,900	6,500		40.3	119.7	7,800	7,400	7,100	6,700		155
160	36.1	114.8	7,000	6,700	6,400	6,000		37.7	112.7	7,200	6,800	6,500	6,200		160
165	33.3	107.2	6,500	6,100	5,800	5,500		34.9	104.9	6,600	6,300	6,000	5,700		165
170	30.3	98.7	5,900	5,600	5,400	5,100		31.9	96.2	6,000	5,800	5,500	5,200		170
173	28.3	92.9	5,600	5,400	5,100	4,800		29.8	90.2	5,700	5,500	5,200	4,900		173
175	27.0	89.0	5,400	5,200	4,900			28.4	86.2	5,500	5,200	5,000	4,800		175
176	26.3	86.8	5,300	5,100				27.7	83.8	5,400	5,200				176
177	25.6	84.7	5,200					26.9	81.5	5,300	5,100				177
178								26.1	79.2	5,200	5,000				178
179								25.4	76.9	5,100					179

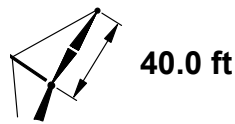
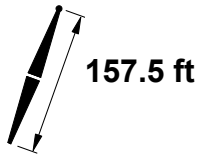
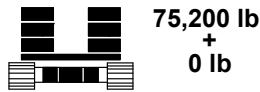


# MLC150-1 S-1



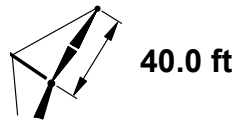
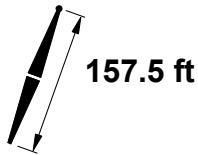
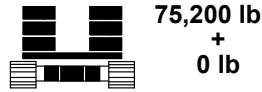
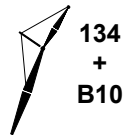
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
45							45
46							46
48							48
50							50
52							52
55							55
58							58
59	78.8	184.6	31,600				59
60	78.4	184.3	31,400				60
61	78.1	183.9	31,100				61
62	77.8	183.6	30,900	30,700			62
65	76.8	182.6	30,300	30,100	29,900		65
68	75.8	181.5	29,600	29,500	29,300	28,300	68
70	75.2	180.8	29,200	29,100	28,900	27,700	70
75	73.5	178.8	28,300	28,200	27,000	25,200	75
80	71.8	176.6	27,400	26,300	24,600	23,000	80
85	70.1	174.3	25,600	24,000	22,500	21,100	85
90	68.4	171.8	23,300	21,900	20,600	19,400	90
95	66.7	169.1	21,300	20,100	18,900	17,800	95
100	64.9	166.2	19,600	18,500	17,400	16,400	100
105	63.1	163.1	18,000	17,000	16,000	15,200	105
110	61.2	159.7	16,600	15,700	14,800	14,000	110
115	59.3	156.1	15,300	14,500	13,700	12,900	115
120	57.4	152.3	14,100	13,300	12,600	12,000	120
125	55.4	148.1	13,000	12,300	11,700	11,100	125
130	53.3	143.7	12,000	11,400	10,800	10,200	130
135	51.2	138.9	11,100	10,500	10,000	9,500	135
140	48.9	133.7	10,200	9,700	9,200	8,800	140
145	46.6	128.1	9,400	9,000	8,500	8,100	145
150	44.2	122.1	8,700	8,200	7,800	7,500	150
155	41.6	115.4	8,000	7,600	7,200	6,900	155
160	38.9	108.1	7,300	7,000	6,600	6,300	160
165	36.0	99.9	6,700	6,400	6,100	5,800	165
170	32.7	90.7	6,100	5,800	5,500	5,300	170
173	30.5	84.2	5,800	5,500	5,200	5,000	173
175	29.1	79.9	5,500	5,300	5,000	4,800	175
176							176
177							177
178							178
179							179

# MLC150-1 S-1



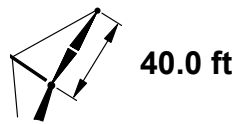
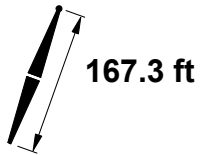
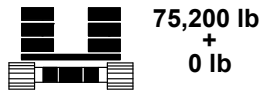
	5°							15°						
			75,200 lb + 0 lb						75,200 lb + 0 lb					
	ft	°	ft	0°	1°	2°	3°	°	ft	0°	1°	2°	3°	ft
47	78.9	201.8	49,400											47
48	78.6	201.6	49,200											48
50	78.0	201.1	49,000	41,200										50
54	76.8	200.1	46,800	40,800	35,500			78.8	198.8	45,300				54
55	76.5	199.8	46,300	40,700	35,400			78.5	198.6	45,200				55
57	75.9	199.3	44,000	39,300	34,800	31,000		77.9	198.0	43,900	38,500			57
60	75.0	198.5	40,700	37,100	34,000	31,000		77.0	197.2	41,900	38,200			60
61	74.7	198.1	39,800	36,300	33,300	30,400		76.7	196.9	40,900	37,400	33,700		61
64	73.8	197.2	37,000	33,900	31,200	28,700		75.8	195.9	38,100	35,000	32,000	29,100	64
65	73.5	196.9	36,100	33,100	30,500	28,100		75.5	195.6	37,200	34,100	31,400	29,000	65
67	72.9	196.2	34,600	31,800	29,300	27,000		74.9	195.0	35,600	32,800	30,200	27,900	67
70	72.0	195.2	32,300	29,700	27,500	25,400		74.0	193.9	33,300	30,700	28,400	26,300	70
75	70.5	193.4	29,000	26,900	24,900	23,100		72.4	192.1	29,900	27,700	25,700	23,900	75
80	68.9	191.4	26,200	24,400	22,600	21,100		70.9	190.1	27,000	25,100	23,400	21,800	80
85	67.4	189.3	23,800	22,200	20,600	19,300		69.3	188.0	24,600	22,900	21,300	19,900	85
90	65.8	187.0	21,700	20,200	18,900	17,600		67.7	185.6	22,400	20,900	19,500	18,300	90
95	64.2	184.5	19,800	18,500	17,300	16,200		66.1	183.1	20,400	19,100	17,900	16,800	95
100	62.6	181.9	18,100	17,000	15,900	14,900		64.5	180.5	18,700	17,500	16,500	15,400	100
105	60.9	179.0	16,600	15,600	14,600	13,700		62.8	177.6	17,200	16,100	15,100	14,200	105
110	59.2	176.0	15,300	14,400	13,500	12,700		61.1	174.5	15,800	14,800	13,900	13,100	110
115	57.5	172.7	14,100	13,200	12,400	11,700		59.4	171.3	14,500	13,700	12,900	12,100	115
120	55.8	169.3	12,900	12,200	11,500	10,800		57.6	167.8	13,400	12,600	11,900	11,200	120
125	54.0	165.6	11,900	11,200	10,600	9,900		55.8	164.0	12,300	11,600	10,900	10,300	125
130	52.2	161.6	11,000	10,300	9,700	9,200		54.0	160.1	11,300	10,700	10,100	9,500	130
135	50.3	157.4	10,100	9,500	9,000	8,500		52.1	155.8	10,400	9,900	9,300	8,800	135
140	48.4	152.9	9,300	8,800	8,300	7,800		50.1	151.3	9,600	9,100	8,600	8,100	140
145	46.4	148.1	8,600	8,100	7,600	7,200		48.1	146.4	8,900	8,400	7,900	7,400	145
150	44.3	142.9	7,900	7,400	7,000	6,600		46.0	141.1	8,100	7,700	7,300	6,800	150
155	42.1	137.3	7,200	6,800	6,400	6,100		43.8	135.5	7,500	7,100	6,700	6,300	155
160	39.9	131.3	6,600	6,300	5,900	5,500		41.5	129.3	6,800	6,500	6,100	5,700	160
165	37.5	124.8	6,100	5,700	5,400	5,100		39.1	122.7	6,200	5,900	5,600	5,200	165
170	35.0	117.6	5,500	5,200	4,900	4,600		36.6	115.4	5,700	5,400	5,100	4,800	170
175	32.3	109.7	5,000	4,700	4,400	4,100		33.8	107.3	5,200	4,900	4,600	4,200	175
180	29.4	100.9	4,500	4,200	3,900	3,600		30.8	98.3	4,700	4,400	4,100	3,700	180
182	28.1	96.9	4,300	4,000	3,700	3,400		29.5	94.1	4,400	4,200	3,800	3,500	182
183	27.5	94.9	4,200	3,900	3,600			28.8	92.0	4,300	4,000	3,700	3,400	183
184	26.8	92.9	4,100	3,800				28.2	90.0	4,200	3,900	3,600	3,300	184
185	26.2	90.8	4,000	3,700				27.5	87.9	4,100	3,800	3,500		185
186	25.5	88.7	3,900					26.8	85.5	4,000	3,700			186
187								26.0	83.2	3,900	3,600			187
188								25.3	80.8	3,800				188

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
47							47
48							48
50							50
54							54
55							55
57							57
60							60
61	78.7	194.2	31,600				61
64	77.8	193.2	30,900	30,700			64
65	77.5	192.9	30,700	30,500			65
67	76.9	192.2	30,300	30,100	30,000		67
70	76.0	191.2	29,700	29,600	29,300	25,800	70
75	74.4	189.3	28,800	28,600	26,500	24,700	75
80	72.8	187.3	27,900	25,900	24,100	22,500	80
85	71.2	185.1	25,300	23,600	22,000	20,600	85
90	69.6	182.8	23,000	21,600	20,200	18,900	90
95	68.0	180.2	21,100	19,700	18,500	17,300	95
100	66.3	177.5	19,300	18,100	17,000	16,000	100
105	64.6	174.6	17,700	16,600	15,600	14,700	105
110	62.9	171.5	16,300	15,300	14,400	13,500	110
115	61.1	168.2	15,000	14,100	13,300	12,500	115
120	59.3	164.6	13,800	13,000	12,200	11,500	120
125	57.5	160.8	12,700	12,000	11,300	10,600	125
130	55.6	156.7	11,700	11,000	10,400	9,800	130
135	53.6	152.4	10,700	10,200	9,600	9,000	135
140	51.6	147.7	9,900	9,300	8,800	8,300	140
145	49.6	142.7	9,100	8,600	8,100	7,700	145
150	47.4	137.3	8,300	7,900	7,500	7,000	150
155	45.2	131.5	7,700	7,200	6,800	6,400	155
160	42.8	125.1	7,000	6,600	6,200	5,900	160
165	40.3	118.2	6,400	6,000	5,700	5,400	165
170	37.6	110.6	5,800	5,500	5,200	4,900	170
175	34.8	102.1	5,200	5,000	4,700	4,300	175
180	31.6	92.5	4,700	4,400	4,100	3,800	180
182	30.2	88.2	4,500	4,200	3,900	3,600	182
183	29.5	86.1	4,400	4,100	3,800	3,500	183
184							184
185							185
186							186
187							187
188							188

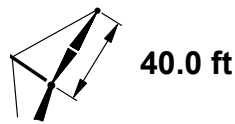
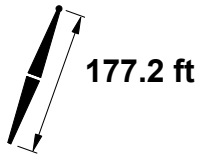
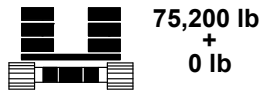
# MLC150-1 S-1



	5°							15°								
			0°									0°				
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft		
49	78.9	211.4	48,700											49		
50	78.6	211.2	48,600											50		
53	77.7	210.5	47,000	40,600										53		
55	77.2	210.0	45,900	40,400										55		
56	76.9	209.7	44,800	39,600	35,100			78.8	208.5	44,900				56		
59	76.0	208.9	41,500	37,400	33,800			77.9	207.7	42,400	38,100			59		
60	75.8	208.7	40,400	36,600	33,400	28,000		77.7	207.4	41,600	37,800			60		
62	75.2	208.1	38,500	35,000	32,000	27,800		77.1	206.8	39,700	36,200			62		
63	74.9	207.8	37,600	34,200	31,300	27,600		76.8	206.5	38,800	35,400	32,300		63		
65	74.3	207.2	35,800	32,600	29,900	27,400		76.2	205.9	36,900	33,700	30,900		65		
66	74.0	206.9	35,000	32,000	29,300	26,900		75.9	205.6	36,100	33,000	30,300	26,300	66		
69	73.2	206.0	32,700	30,000	27,500	25,300		75.1	204.7	33,800	31,000	28,500	25,800	69		
70	72.9	205.6	31,900	29,300	26,900	24,800		74.8	204.3	33,000	30,300	27,800	25,700	70		
73	72.0	204.6	30,000	27,600	25,400	23,400		73.9	203.3	31,000	28,500	26,300	24,300	73		
75	71.4	203.9	28,700	26,400	24,400	22,500		73.3	202.6	29,600	27,300	25,200	23,300	75		
80	70.0	202.0	25,900	23,900	22,100	20,500		71.8	200.7	26,700	24,700	22,900	21,200	80		
85	68.5	200.0	23,500	21,700	20,200	18,700		70.4	198.7	24,200	22,500	20,900	19,400	85		
90	67.0	197.8	21,300	19,800	18,400	17,100		68.9	196.5	22,100	20,500	19,100	17,800	90		
95	65.5	195.5	19,500	18,100	16,800	15,700		67.3	194.1	20,100	18,700	17,500	16,300	95		
100	64.0	193.0	17,800	16,600	15,400	14,400		65.8	191.6	18,400	17,200	16,000	15,000	100		
105	62.4	190.3	16,300	15,200	14,200	13,200		64.2	188.9	16,800	15,700	14,700	13,700	105		
110	60.8	187.5	14,900	13,900	13,000	12,200		62.6	186.1	15,500	14,500	13,500	12,600	110		
115	59.2	184.5	13,700	12,800	12,000	11,200		61.0	183.0	14,200	13,300	12,400	11,600	115		
120	57.6	181.2	12,600	11,800	11,000	10,300		59.4	179.7	13,000	12,200	11,400	10,700	120		
125	56.0	177.8	11,600	10,800	10,100	9,500		57.7	176.3	12,000	11,200	10,500	9,900	125		
130	54.3	174.1	10,600	9,900	9,300	8,700		56.0	172.6	11,000	10,300	9,700	9,100	130		
135	52.5	170.3	9,800	9,100	8,600	8,000		54.3	168.7	10,100	9,500	8,900	8,300	135		
140	50.8	166.1	9,000	8,400	7,900	7,300		52.5	164.5	9,300	8,700	8,200	7,600	140		
145	48.9	161.7	8,200	7,700	7,200	6,700		50.6	160.0	8,500	8,000	7,500	7,000	145		
150	47.0	157.0	7,500	7,000	6,600	6,200		48.7	155.3	7,800	7,300	6,900	6,400	150		
155	45.1	152.0	6,900	6,400	6,000	5,600		46.7	150.2	7,100	6,700	6,300	5,900	155		
160	43.1	146.6	6,300	5,900	5,500	5,100		44.7	144.7	6,500	6,100	5,700	5,300	160		
165	41.0	140.8	5,700	5,300	4,900	4,500		42.6	138.8	5,900	5,500	5,200	4,800	165		
170	38.8	134.5	5,200	4,800	4,400	4,000		40.4	132.5	5,400	5,000	4,600	4,200	170		
175	36.5	127.7	4,600	4,200	3,900	3,500		38.0	125.6	4,800	4,400	4,100	3,700	175		
180	34.0	120.3	4,100	3,700	3,400	3,000		35.5	118.0	4,200	3,900	3,500	3,200	180		
185	31.4	112.1	3,500	3,200				32.8	109.6	3,700	3,400	3,000		185		
190	28.6	103.0	3,000					29.9	100.3	3,100				190		
192														192		

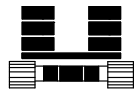


# MLC150-1 S-1

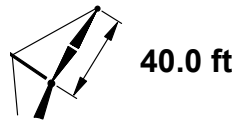
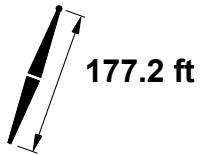


	5°							15°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
51	78.8	221.1	48,100											51
55	77.8	220.1	45,600	40,000										55
58	77.0	219.4	42,300	37,700	32,000			78.8	218.1	43,500				58
60	76.4	218.9	40,000	36,100	31,900			78.2	217.6	41,400				60
61	76.1	218.6	39,100	35,300	31,400			77.9	217.3	40,400	36,500			61
62	75.9	218.3	38,200	34,500	30,900	25,100		77.7	217.0	39,500	35,700			62
64	75.3	217.8	36,400	33,000	29,800	25,100		77.1	216.5	37,600	34,100			64
65	75.1	217.5	35,400	32,200	29,300	25,100		76.9	216.2	36,600	33,300	30,200		65
68	74.2	216.6	33,100	30,200	27,500	24,500		76.0	215.3	34,300	31,200	28,500		68
69	74.0	216.3	32,400	29,500	27,000	24,300		75.8	215.0	33,500	30,500	27,900	23,700	69
70	73.7	216.0	31,600	28,800	26,400	24,200		75.5	214.7	32,700	29,900	27,300	23,700	70
72	73.1	215.3	30,300	27,700	25,300	23,300		74.9	214.0	31,300	28,700	26,300	23,300	72
75	72.3	214.3	28,300	26,000	23,800	21,900		74.1	213.0	29,300	26,900	24,700	22,700	75
80	70.9	212.6	25,500	23,500	21,600	19,900		72.7	211.2	26,400	24,300	22,400	20,700	80
85	69.5	210.6	23,100	21,300	19,600	18,100		71.3	209.3	23,900	22,100	20,400	18,900	85
90	68.1	208.6	21,000	19,400	17,900	16,600		69.9	207.2	21,700	20,100	18,600	17,200	90
95	66.7	206.4	19,100	17,700	16,400	15,100		68.4	205.0	19,800	18,300	17,000	15,800	95
100	65.2	204.0	17,400	16,100	15,000	13,900		67.0	202.6	18,100	16,800	15,600	14,500	100
105	63.8	201.5	15,900	14,800	13,700	12,700		65.5	200.1	16,500	15,300	14,300	13,300	105
110	62.3	198.8	14,500	13,500	12,600	11,700		64.0	197.4	15,100	14,100	13,100	12,200	110
115	60.8	196.0	13,300	12,400	11,500	10,700		62.5	194.5	13,800	12,900	12,000	11,200	115
120	59.3	192.9	12,200	11,300	10,500	9,800		61.0	191.5	12,700	11,800	11,000	10,200	120
125	57.7	189.7	11,200	10,400	9,700	9,000		59.4	188.2	11,600	10,800	10,100	9,400	125
130	56.1	186.3	10,200	9,500	8,900	8,200		57.8	184.8	10,700	9,900	9,300	8,600	130
135	54.5	182.7	9,400	8,700	8,100	7,500		56.2	181.1	9,800	9,100	8,500	7,900	135
140	52.9	178.9	8,600	8,000	7,400	6,900		54.5	177.3	8,900	8,300	7,700	7,200	140
145	51.2	174.8	7,800	7,300	6,700	6,200		52.8	173.1	8,200	7,600	7,100	6,600	145
150	49.4	170.4	7,100	6,600	6,100	5,600		51.1	168.8	7,400	6,900	6,400	6,000	150
155	47.7	165.8	6,500	6,000	5,500	5,000		49.3	164.1	6,800	6,300	5,800	5,300	155
160	45.8	160.9	5,900	5,400	4,900	4,400		47.4	159.1	6,100	5,700	5,200	4,700	160
165	43.9	155.7	5,300	4,800	4,300	3,900		45.5	153.8	5,600	5,100	4,600	4,100	165
170	42.0	150.1	4,600	4,200	3,800	3,300		43.5	148.2	4,900	4,500	4,000	3,600	170
175	39.9	144.1	4,100	3,600	3,200			41.4	142.1	4,300	3,900	3,500	3,100	175
180	37.8	137.6	3,500	3,100				39.3	135.5	3,700	3,300			180
185	35.5	130.6	3,000					37.0	128.3	3,200				185

# MLC150-1 S-1



75,200 lb  
+  
0 lb



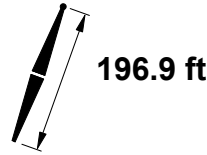
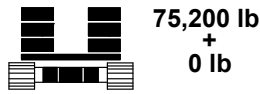
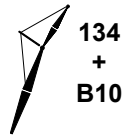
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
51							51
55							55
58							58
60							60
61							61
62							62
64	79.0	213.8	31,700				64
65	78.7	213.5	31,500				65
68	77.8	212.5	30,900	30,800			68
69	77.6	212.2	30,700	30,600			69
70	77.3	211.9	30,500	30,400			70
72	76.7	211.2	30,200	29,400	27,200		72
75	75.9	210.2	29,700	27,800	25,600	21,300	75
80	74.5	208.4	27,300	25,200	23,300	21,300	80
85	73.0	206.5	24,800	22,900	21,200	19,600	85
90	71.6	204.4	22,500	20,800	19,300	17,900	90
95	70.1	202.1	20,500	19,000	17,700	16,400	95
100	68.7	199.7	18,700	17,400	16,200	15,000	100
105	67.2	197.1	17,100	15,900	14,800	13,800	105
110	65.7	194.4	15,700	14,600	13,600	12,700	110
115	64.1	191.5	14,300	13,400	12,500	11,600	115
120	62.5	188.4	13,200	12,300	11,400	10,700	120
125	61.0	185.1	12,100	11,300	10,500	9,800	125
130	59.3	181.6	11,100	10,300	9,600	9,000	130
135	57.7	177.8	10,100	9,500	8,800	8,200	135
140	56.0	173.9	9,300	8,700	8,100	7,500	140
145	54.2	169.7	8,500	7,900	7,400	6,800	145
150	52.4	165.2	7,700	7,200	6,700	6,200	150
155	50.6	160.4	7,000	6,500	6,100	5,600	155
160	48.7	155.4	6,400	5,900	5,500	5,000	160
165	46.7	149.9	5,800	5,300	4,900	4,400	165
170	44.7	144.1	5,200	4,700	4,200	3,800	170
175	42.6	137.8	4,500	4,100	3,700	3,200	175
180	40.3	131.0	3,900	3,500	3,100		180
185	37.9	123.6	3,300				185





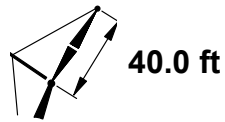
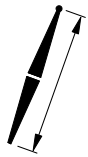
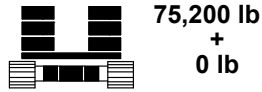


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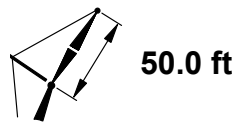
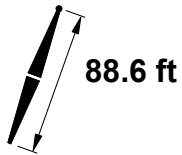
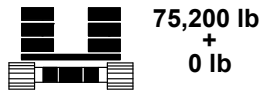
	5°			15°			
	ft	°	ft	lb	ft	lb	
55	78.8	240.3	45,000				55
60	77.6	239.2	39,400				60
61	77.3	238.9	38,500	79.0	237.6	39,800	61
65	76.3	237.9	34,800	78.0	236.6	36,100	65
68	75.6	237.1	32,500	77.2	235.8	33,700	68
70	75.1	236.5	31,000	76.7	235.2	32,100	70
75	73.8	235.0	27,700	75.5	233.7	28,800	75
80	72.6	233.4	24,900	74.2	232.1	25,900	80
85	71.3	231.7	22,400	72.9	230.3	23,300	85
90	70.0	229.8	20,300	71.6	228.5	21,100	90
95	68.7	227.8	18,400	70.3	226.4	19,200	95
100	67.4	225.7	16,700	69.0	224.3	17,500	100
105	66.1	223.4	15,200	67.7	222.0	15,900	105
110	64.8	221.0	13,900	66.4	219.6	14,500	110
115	63.4	218.5	12,600	65.0	217.0	13,200	115
120	62.1	215.8	11,500	63.6	214.3	12,100	120
125	60.7	212.9	10,500	62.2	211.4	11,000	125
130	59.3	209.9	9,500	60.8	208.4	10,000	130
135	57.9	206.7	8,700	59.4	205.2	9,100	135
140	56.4	203.3	7,900	57.9	201.8	8,300	140
145	54.9	199.8	7,100	56.5	198.2	7,500	145
150	53.4	196.0	6,400	54.9	194.4	6,800	150
155	51.9	192.0	5,600	53.4	190.4	6,100	155
160	50.3	187.9	4,900	51.8	186.2	5,300	160
165	48.7	183.4	4,300	50.2	181.7	4,700	165
170	47.1	178.7	3,600	48.5	176.9	4,000	170
175	45.4	173.7	3,100	46.8	171.9	3,400	175
180							180

# MLC150-1 S-1



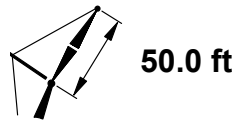
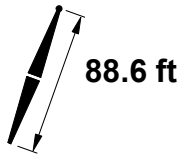
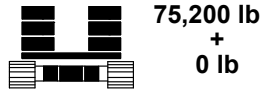
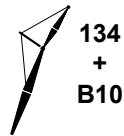
		25°			
				0°	
ft	°	ft	lb	ft	ft
55					55
60					60
61					61
65					65
68	78.9	233.0	31,700		68
70	78.4	232.4	31,400		70
75	77.1	230.9	29,800		75
80	75.8	229.3	26,900		80
85	74.5	227.5	24,300		85
90	73.2	225.6	22,000		90
95	71.9	223.5	20,000		95
100	70.6	221.4	18,200		100
105	69.3	219.1	16,600		105
110	67.9	216.6	15,100		110
115	66.5	214.0	13,800		115
120	65.1	211.3	12,600		120
125	63.7	208.3	11,500		125
130	62.3	205.2	10,500		130
135	60.8	202.0	9,500		135
140	59.3	198.5	8,700		140
145	57.8	194.9	7,900		145
150	56.3	191.0	7,100		150
155	54.7	186.9	6,400		155
160	53.1	182.6	5,700		160
165	51.4	178.0	5,000		165
170	49.8	173.2	4,300		170
175	48.0	168.0	3,700		175
180	46.2	162.6	3,100		180

# MLC150-1 S-1



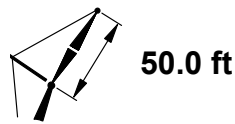
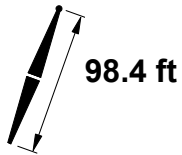
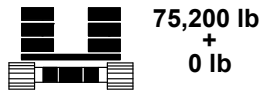
	5°							15°															
			0°				1°						0°				1°						
	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
37	78.7	143.7	43,400																				37
38	78.3	143.4	43,100																				38
39	77.9	143.2	42,900	35,800																			39
40	77.5	142.9	42,700	35,700																			40
42	76.6	142.4	42,200	35,400	30,600																		42
44	75.8	141.8	41,800	35,100	30,400	26,800																	44
45	75.3	141.5	41,600	34,900	30,200	26,700	78.9	140.2	38,800														45
46	74.9	141.2	41,400	34,800	30,100	26,600	78.5	139.9	38,700														46
48	74.1	140.5	41,000	34,500	29,900	26,400	77.6	139.3	38,400	32,600													48
50	73.2	139.9	40,600	34,200	29,700	26,300	76.8	138.6	38,100	32,500	28,400												50
52	72.3	139.1	40,200	33,900	29,500	26,100	75.9	137.8	37,800	32,300	28,200	25,100											52
54	71.5	138.4	39,800	33,600	29,300	25,900	75.0	137.1	37,500	32,100	28,100	25,000											54
55	71.0	138.0	39,600	33,500	29,200	25,800	74.6	136.7	37,400	32,000	28,000	24,900											55
56	70.6	137.6	39,500	33,400	29,100	25,800	74.1	136.3	37,200	31,900	28,000	24,900											56
58	69.7	136.8	39,100	33,100	28,900	25,600	73.2	135.5	36,900	31,700	27,800	24,800											58
60	68.8	136.0	38,700	32,900	28,700	25,500	72.3	134.6	36,700	31,600	27,700	24,700											60
65	66.6	133.7	37,900	32,200	28,200	25,100	70.1	132.3	35,500	31,100	27,400	24,500											65
70	64.3	131.1	34,900	31,700	27,700	24,800	67.8	129.8	33,500	30,700	27,100	24,200											70
75	62.0	128.3	31,600	30,100	27,300	24,400	65.4	126.9	31,800	30,300	26,800	24,000											75
80	59.6	125.3	28,900	27,600	26,300	24,100	63.0	123.8	29,500	28,200	26,500	23,800											80
85	57.1	121.9	26,500	25,300	24,200	23,200	60.5	120.4	27,000	25,900	24,800	23,600											85
90	54.6	118.2	24,400	23,400	22,400	21,500	57.9	116.7	24,900	23,900	22,900	22,000											90
95	52.0	114.2	22,500	21,600	20,800	20,000	55.3	112.6	22,900	22,100	21,200	20,400											95
100	49.2	109.7	20,800	20,100	19,300	18,600	52.5	108.0	21,200	20,500	19,700	19,000											100
105	46.4	104.8	19,300	18,700	18,000	17,400	49.6	103.0	19,700	19,000	18,400	17,700											105
110	43.4	99.4	18,000	17,400	16,800	16,300	46.5	97.5	18,300	17,700	17,100	16,600											110
115	40.2	93.3	16,800	16,200	15,700	15,200	43.2	91.3	17,000	16,500	16,000	15,500											115
120	36.7	86.4	15,600	15,200	14,700	14,300	39.7	84.3	15,900	15,400	15,000	14,500											120
125	32.9	78.6	14,600	14,200	13,800	13,400	35.8	76.2	14,800	14,400	14,000	13,600											125
130	28.6	69.4	13,700	13,300	13,000	12,600	31.3	66.6	13,800	13,500	13,100	12,800											130
131	27.7	67.2	13,500	13,100	12,800		30.3	64.2	13,600	13,300	13,000	12,600											131
132	26.7	65.1	13,300	13,000			29.2	61.8	13,500	13,100	12,800	12,500											132
133	25.7	62.9	13,100				28.1	59.4	13,300	12,900	12,600	12,300											133
134							27.1	57.0	13,100	12,800	12,500												134
135							26.0	54.6	12,900														135

# MLC150-1 S-1



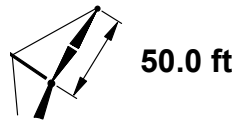
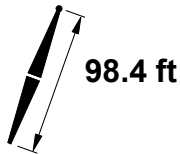
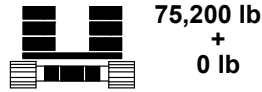
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
37							37
38							38
39							39
40							40
42							42
44							44
45							45
46							46
48							48
50							50
52							52
54	78.7	134.3	26,000				54
55	78.2	133.9	25,700				55
56	77.7	133.5	25,500	25,200			56
58	76.8	132.7	25,000	24,700	24,500		58
60	75.9	131.8	24,500	24,200	24,000	22,000	60
65	73.6	129.4	23,400	23,200	22,900	21,800	65
70	71.2	126.8	22,400	22,100	21,900	21,600	70
75	68.8	123.9	21,400	21,200	21,100	20,900	75
80	66.3	120.7	20,600	20,400	20,300	20,100	80
85	63.8	117.2	19,900	19,700	19,500	19,500	85
90	61.1	113.4	19,200	19,000	18,900	18,800	90
95	58.4	109.1	18,600	18,500	18,300	18,200	95
100	55.5	104.5	18,100	17,900	17,700	17,700	100
105	52.5	99.3	17,500	17,400	17,300	17,100	105
110	49.3	93.5	17,000	17,000	16,800	16,700	110
115	45.9	87.0	16,600	16,500	16,200	15,700	115
120	42.1	79.5	16,100	15,600	15,200	14,700	120
125	37.9	70.8	15,000	14,600	14,200	13,800	125
130	33.0	60.3	13,900	13,600	13,200	12,900	130
131	31.8	57.7	13,700	13,400	13,100	12,700	131
132	30.7	55.1	13,500	13,200	12,900	12,600	132
133	29.5	52.5	13,300	13,000	12,700	12,400	133
134							134
135							135

# MLC150-1 S-1



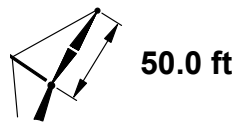
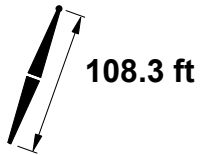
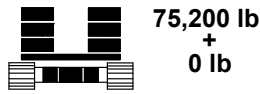
	5°							15°																
			0°				1°						0°				1°							
	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft		
39	78.7	153.3	43,100																				39	
40	78.3	153.1	42,900																					40
41	77.9	152.8	42,600	35,600																				41
42	77.5	152.5	42,400	35,500																				42
44	76.7	152.0	42,000	35,200	30,400																			44
46	75.9	151.4	41,700	34,900	30,200	26,700																		46
47	75.5	151.1	41,500	34,800	30,100	26,600	78.9	149.8	38,700															47
48	75.1	150.8	41,300	34,600	30,000	26,500	78.5	149.5	38,500															48
50	74.3	150.2	40,900	34,400	29,800	26,300	77.7	148.9	38,300	32,500														50
52	73.5	149.5	40,500	34,100	29,600	26,200	76.9	148.2	38,000	32,400	28,300													52
55	72.3	148.5	40,000	33,700	29,300	25,900	75.6	147.2	37,600	32,100	28,100	25,000												55
56	71.9	148.1	39,800	33,600	29,200	25,900	75.2	146.8	37,500	32,000	28,000	25,000												56
58	71.1	147.4	39,500	33,400	29,000	25,700	74.4	146.0	37,200	31,900	27,900	24,900												58
60	70.3	146.6	39,100	33,100	28,800	25,600	73.6	145.3	37,000	31,700	27,800	24,700												60
63	69.0	145.3	38,600	32,800	28,600	25,400	72.3	144.0	36,600	31,400	27,600	24,600												63
65	68.2	144.5	38,300	32,600	28,400	25,200	71.5	143.1	36,300	31,300	27,500	24,500												65
70	66.1	142.2	34,500	32,000	28,000	24,900	69.4	140.8	34,800	30,900	27,200	24,300												70
75	64.0	139.6	31,300	29,600	27,500	24,600	67.2	138.2	32,000	30,400	27,000	24,100												75
80	61.8	136.8	28,500	27,100	25,800	24,200	65.0	135.4	29,200	27,700	26,400	23,900												80
85	59.6	133.8	26,100	24,900	23,700	22,600	62.7	132.3	26,700	25,500	24,300	23,200												85
90	57.3	130.4	24,000	22,900	21,900	20,900	60.4	128.9	24,500	23,400	22,400	21,400												90
95	54.9	126.8	22,100	21,200	20,300	19,400	58.0	125.2	22,600	21,700	20,700	19,900												95
100	52.5	122.8	20,400	19,600	18,800	18,000	55.6	121.2	20,900	20,000	19,200	18,500												100
105	50.0	118.5	18,900	18,200	17,500	16,800	53.0	116.8	19,400	18,600	17,900	17,200												105
110	47.3	113.7	17,600	16,900	16,300	15,700	50.3	112.0	18,000	17,300	16,700	16,000												110
115	44.6	108.5	16,400	15,800	15,200	14,700	47.5	106.7	16,700	16,100	15,500	15,000												115
120	41.7	102.8	15,200	14,700	14,200	13,700	44.6	100.8	15,500	15,000	14,500	14,000												120
125	38.6	96.4	14,200	13,800	13,300	12,900	41.4	94.2	14,500	14,000	13,600	13,100												125
130	35.3	89.2	13,300	12,900	12,500	12,100	38.0	86.8	13,500	13,100	12,700	12,300												130
135	31.6	80.9	12,400	12,000	11,700	11,300	34.2	78.4	12,600	12,200	11,900	11,500												135
139	28.3	73.2	11,800	11,400	11,100	10,800	30.7	70.3	11,900	11,600	11,300	10,900												139
140	27.4	71.3	11,600	11,300	11,000		29.9	68.3	11,700	11,400	11,100	10,800												140
141	26.5	69.1	11,400	11,100			28.9	65.8	11,600	11,300	11,000	10,700												141
142	25.6	66.9	11,300				27.9	63.4	11,400	11,100	10,800													142
143							26.8	60.9	11,200	11,000														143
144							25.8	58.5	11,100															144

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
39							39
40							40
41							41
42							42
44							44
46							46
47							47
48							48
50							50
52							52
55							55
56	78.6	144.0	26,000				56
58	77.8	143.2	25,500	25,300			58
60	76.9	142.4	25,100	24,800	24,500		60
63	75.7	141.1	24,400	24,200	23,900	23,500	63
65	74.8	140.2	24,000	23,700	23,500	23,300	65
70	72.6	137.8	22,900	22,800	22,600	22,300	70
75	70.4	135.1	22,100	21,900	21,700	21,500	75
80	68.2	132.2	21,300	21,100	20,900	20,700	80
85	65.9	129.1	20,500	20,300	20,200	20,000	85
90	63.5	125.6	19,800	19,600	19,500	19,400	90
95	61.0	121.8	19,200	19,100	18,900	18,700	95
100	58.5	117.7	18,600	18,500	18,300	18,200	100
105	55.8	113.1	18,100	17,900	17,800	17,600	105
110	53.1	108.1	17,600	17,500	17,000	16,400	110
115	50.2	102.6	17,000	16,400	15,800	15,300	115
120	47.1	96.5	15,800	15,300	14,800	14,300	120
125	43.7	89.6	14,700	14,200	13,800	13,300	125
130	40.1	81.7	13,700	13,300	12,900	12,500	130
135	36.0	72.6	12,700	12,400	12,000	11,700	135
139	32.2	63.7	12,000	11,700	11,400	11,000	139
140	31.2	61.5	11,800	11,500	11,200	10,900	140
141	30.1	58.8	11,600	11,300	11,000	10,700	141
142	29.0	56.2	11,500	11,200	10,900	10,600	142
143							143
144							144

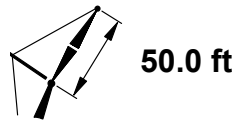
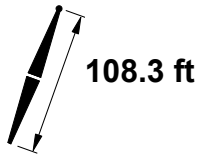
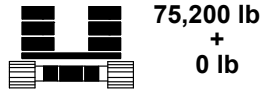
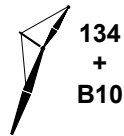
# MLC150-1 S-1



ft	5°							15°							ft
	°	ft	0°				°	ft	0°				ft		
			lb	lb	lb	lb			lb	lb	lb	lb			
41	78.7	162.9	42,800											41	
42	78.3	162.7	42,600											42	
43	77.9	162.4	42,400	35,400										43	
44	77.6	162.2	42,200	35,200										44	
46	76.8	161.7	41,800	35,000	30,200									46	
48	76.1	161.1	41,500	34,700	30,000									48	
49	75.7	160.8	41,300	34,600	29,900	26,400	78.8	159.5	38,500					49	
50	75.3	160.5	41,100	34,500	29,800	26,400	78.5	159.2	38,400					50	
52	74.6	159.9	40,800	34,200	29,700	26,200	77.7	158.5	38,200	32,400				52	
54	73.8	159.2	40,400	34,000	29,500	26,100	76.9	157.9	37,900	32,300	28,200			54	
55	73.5	158.9	40,300	33,900	29,400	26,000	76.6	157.6	37,800	32,200	28,100			55	
57	72.7	158.2	39,900	33,700	29,200	25,900	75.8	156.8	37,600	32,000	28,000	24,900		57	
60	71.6	157.2	39,400	33,300	29,000	25,600	74.7	155.8	37,200	31,800	27,800	24,800		60	
63	70.4	156.0	38,600	33,000	28,700	25,500	73.5	154.6	36,900	31,600	27,700	24,600		63	
65	69.6	155.2	38,000	32,700	28,500	25,300	72.7	153.8	36,600	31,400	27,500	24,600		65	
70	67.7	153.0	34,200	32,200	28,100	25,000	70.8	151.6	35,100	31,100	27,300	24,400		70	
75	65.7	150.7	31,000	29,200	27,600	24,700	68.8	149.2	31,800	30,000	27,100	24,200		75	
80	63.7	148.1	28,200	26,700	25,300	24,000	66.7	146.6	29,000	27,400	26,000	24,100		80	
85	61.7	145.3	25,800	24,500	23,300	22,100	64.7	143.8	26,500	25,100	23,900	22,700		85	
90	59.6	142.2	23,700	22,500	21,500	20,400	62.5	140.7	24,300	23,100	22,000	21,000		90	
95	57.4	138.9	21,800	20,800	19,800	18,900	60.4	137.3	22,400	21,300	20,400	19,400		95	
100	55.2	135.3	20,200	19,300	18,400	17,600	58.1	133.7	20,700	19,700	18,900	18,000		100	
105	52.9	131.4	18,700	17,900	17,100	16,400	55.8	129.8	19,100	18,300	17,500	16,800		105	
110	50.6	127.2	17,300	16,600	15,900	15,300	53.5	125.5	17,700	17,000	16,300	15,600		110	
115	48.2	122.6	16,100	15,400	14,800	14,200	51.0	120.8	16,500	15,800	15,200	14,600		115	
120	45.6	117.6	15,000	14,400	13,800	13,300	48.4	115.7	15,300	14,700	14,200	13,600		120	
125	43.0	112.1	14,000	13,400	12,900	12,500	45.7	110.1	14,300	13,700	13,200	12,700		125	
130	40.2	106.0	13,000	12,600	12,100	11,700	42.9	103.9	13,300	12,800	12,400	11,900		130	
135	37.2	99.3	12,100	11,700	11,300	10,900	39.8	97.1	12,400	12,000	11,600	11,200		135	
140	34.0	91.8	11,300	11,000	10,600	10,300	36.5	89.3	11,500	11,200	10,800	10,500		140	
145	30.4	83.2	10,600	10,300	9,900	9,600	32.8	80.4	10,800	10,400	10,100	9,800		145	
148	28.0	77.1	10,200	9,900	9,600	9,300	30.3	74.1	10,300	10,000	9,700	9,400		148	
149	27.2	75.1	10,000	9,700	9,400		29.4	72.0	10,200	9,900	9,600	9,300		149	
150	26.4	73.1	9,900	9,600			28.6	69.9	10,000	9,700	9,400	9,200		150	
151	25.5	70.8	9,800				27.6	67.4	9,900	9,600	9,300			151	
152							26.6	64.9	9,700	9,500				152	
153							25.7	62.4	9,600					153	

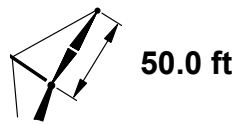
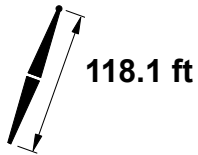
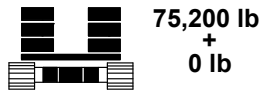


# MLC150-1 S-1



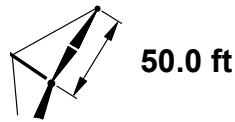
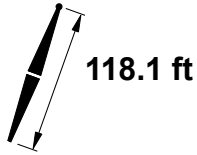
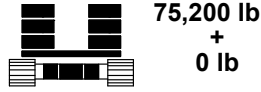
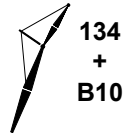
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
41							41
42							42
43							43
44							44
46							46
48							48
49							49
50							50
52							52
54							54
55							55
57	79.0	153.9	26,300				57
60	77.8	152.8	25,500	25,300			60
63	76.6	151.6	24,900	24,600	24,400		63
65	75.8	150.8	24,500	24,200	24,000	23,800	65
70	73.8	148.6	23,500	23,300	23,100	22,800	70
75	71.8	146.1	22,600	22,400	22,200	22,000	75
80	69.7	143.5	21,800	21,600	21,400	21,200	80
85	67.6	140.6	21,100	20,800	20,700	20,600	85
90	65.4	137.4	20,400	20,200	20,000	19,900	90
95	63.2	134.0	19,700	19,600	19,400	19,300	95
100	60.9	130.2	19,100	19,000	18,900	18,500	100
105	58.5	126.2	18,600	18,500	18,000	17,200	105
110	56.1	121.7	18,100	17,400	16,700	16,000	110
115	53.5	116.9	16,800	16,200	15,500	14,900	115
120	50.9	111.6	15,600	15,000	14,500	13,900	120
125	48.1	105.8	14,500	14,000	13,500	13,000	125
130	45.1	99.3	13,500	13,000	12,600	12,200	130
135	41.8	92.1	12,600	12,200	11,700	11,400	135
140	38.3	83.9	11,700	11,300	11,000	10,600	140
145	34.3	74.2	10,900	10,500	10,200	9,900	145
148	31.5	67.2	10,400	10,100	9,800	9,500	148
149	30.6	64.9	10,200	9,900	9,600	9,400	149
150	29.7	62.6	10,100	9,800	9,500	9,200	150
151							151
152							152
153							153

# MLC150-1 S-1



	5°							15°								
			0°									0°				
	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
42	79.0	172.8	42,600												42	
44	78.3	172.3	42,200												44	
45	77.9	172.1	42,100	35,100											45	
46	77.6	171.8	41,900	35,000											46	
48	76.9	171.3	41,600	34,800	30,000										48	
50	76.2	170.8	41,200	34,500	29,800										50	
51	75.8	170.5	41,100	34,400	29,700	26,300	78.8	169.1	38,400		32,300				51	
54	74.8	169.6	40,600	34,100	29,500	26,100	77.7	168.2	38,000	32,300					54	
55	74.4	169.3	40,400	33,900	29,400	26,000	77.4	167.9	37,900	32,200					55	
57	73.7	168.6	40,100	33,700	29,300	25,900	76.7	167.2	37,700	32,000	28,000				57	
59	73.0	167.9	39,800	33,500	29,100	25,700	75.9	166.5	37,500	31,900	27,900	24,800			59	
60	72.7	167.6	39,600	33,400	29,000	25,700	75.6	166.2	37,400	31,900	27,900	24,800			60	
62	72.0	166.9	38,900	33,200	28,800	25,600	74.9	165.5	37,200	31,700	27,700	24,700			62	
65	70.9	165.8	37,700	32,900	28,600	25,400	73.8	164.4	36,800	31,500	27,600	24,600			65	
67	70.1	165.0	36,200	32,400	28,400	25,300	73.0	163.5	36,000	31,400	27,500	24,500			67	
70	69.1	163.8	33,900	31,700	28,200	25,100	72.0	162.3	34,800	31,200	27,300	24,400			70	
75	67.2	161.6	30,600	28,800	27,100	24,800	70.1	160.1	31,500	29,600	27,100	24,200			75	
80	65.4	159.2	27,900	26,200	24,800	23,400	68.2	157.7	28,600	27,000	25,500	24,000			80	
85	63.5	156.6	25,400	24,000	22,700	21,500	66.3	155.1	26,200	24,700	23,400	22,200			85	
90	61.5	153.8	23,300	22,100	20,900	19,800	64.3	152.2	24,000	22,700	21,600	20,400			90	
95	59.6	150.7	21,400	20,400	19,300	18,400	62.3	149.1	22,000	20,900	19,900	18,900			95	
100	57.5	147.4	19,800	18,800	17,900	17,000	60.3	145.8	20,300	19,300	18,400	17,500			100	
105	55.5	143.9	18,300	17,400	16,600	15,800	58.2	142.2	18,800	17,900	17,100	16,300			105	
110	53.3	140.0	16,900	16,200	15,400	14,700	56.1	138.3	17,400	16,600	15,900	15,100			110	
115	51.2	135.9	15,700	15,000	14,300	13,700	53.9	134.1	16,100	15,400	14,700	14,100			115	
120	48.9	131.4	14,600	14,000	13,400	12,800	51.6	129.6	15,000	14,300	13,700	13,100			120	
125	46.5	126.6	13,600	13,000	12,500	11,900	49.2	124.7	13,900	13,300	12,800	12,300			125	
130	44.1	121.3	12,600	12,100	11,600	11,100	46.7	119.3	12,900	12,400	11,900	11,400			130	
135	41.5	115.5	11,800	11,300	10,900	10,400	44.1	113.4	12,000	11,600	11,100	10,700			135	
140	38.8	109.2	11,000	10,500	10,100	9,700	41.3	106.9	11,200	10,800	10,400	10,000			140	
145	35.9	102.1	10,200	9,800	9,500	9,100	38.3	99.8	10,400	10,000	9,700	9,300			145	
150	32.8	94.3	9,500	9,200	8,900	8,500	35.1	91.7	9,700	9,400	9,000	8,700			150	
155	29.3	85.3	8,900	8,600	8,300	8,000	31.5	82.4	9,000	8,700	8,400	8,100			155	
156	28.5	83.2	8,700	8,400	8,200	7,900	30.7	80.2	8,900	8,600	8,300	8,000			156	
158	26.9	79.0	8,500	8,200	7,900		29.0	75.8	8,600	8,300	8,100	7,800			158	
159	26.2	76.9	8,400	8,100			28.2	73.6	8,500	8,200	7,900	7,700			159	
160	25.4	74.8	8,200				27.4	71.4	8,400	8,100	7,800				160	
161							26.5	68.9	8,200	8,000					161	
162							25.6	66.3	8,100						162	

# MLC150-1 S-1

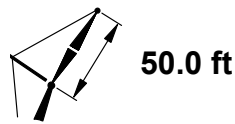
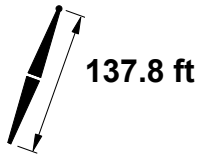
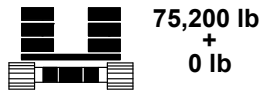


		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
42							42
44							44
45							45
46							46
48							48
50							50
51							51
54							54
55							55
57							57
59	79.0	163.6	26,200				59
60	78.6	163.2	26,000				60
62	77.8	162.5	25,500	25,300			62
65	76.7	161.3	24,900	24,700	24,500		65
67	76.0	160.5	24,500	24,300	24,100	23,700	67
70	74.9	159.3	24,000	23,700	23,500	23,300	70
75	73.0	157.0	23,100	22,900	22,700	22,500	75
80	71.0	154.5	22,300	22,100	21,900	21,700	80
85	69.1	151.8	21,600	21,400	21,200	21,100	85
90	67.1	148.9	20,900	20,700	20,500	20,400	90
95	65.1	145.8	20,300	20,100	19,900	19,500	95
100	63.0	142.4	19,700	19,500	18,900	18,100	100
105	60.8	138.7	19,200	18,400	17,600	16,800	105
110	58.6	134.7	17,800	17,000	16,300	15,600	110
115	56.3	130.4	16,500	15,800	15,100	14,500	115
120	54.0	125.7	15,300	14,700	14,100	13,500	120
125	51.5	120.6	14,200	13,700	13,100	12,600	125
130	48.9	115.0	13,200	12,700	12,200	11,700	130
135	46.2	108.9	12,300	11,800	11,400	10,900	135
140	43.3	102.1	11,400	11,000	10,600	10,200	140
145	40.1	94.5	10,600	10,200	9,800	9,500	145
150	36.7	85.9	9,800	9,500	9,200	8,800	150
155	32.8	75.8	9,100	8,800	8,500	8,200	155
156	31.9	73.4	8,900	8,700	8,400	8,100	156
158	30.1	68.7	8,700	8,400	8,100	7,900	158
159	29.2	66.3	8,500	8,300	8,000	7,700	159
160							160
161							161
162							162



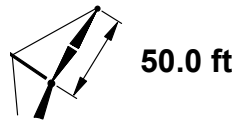
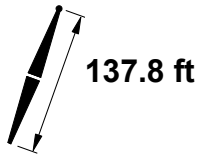
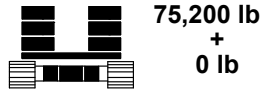


# MLC150-1 S-1



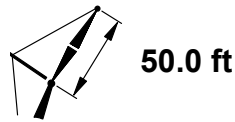
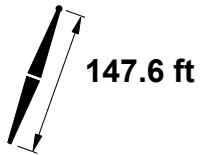
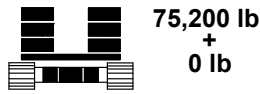
ft	5°							15°							ft
	°	ft	Capacity (lb)				°	ft	Capacity (lb)						
			0°	1°	2°	3°			0°	1°	2°	3°			
46	78.9	192.1	41,800											46	
48	78.3	191.6	41,600											48	
49	78.0	191.4	41,400	34,500										49	
50	77.7	191.1	41,200	34,400										50	
53	76.7	190.3	40,800	34,100	29,400									53	
55	76.1	189.8	40,500	33,900	29,300		78.8	188.4	37,900					55	
56	75.8	189.5	40,400	33,800	29,200	25,800	78.4	188.1	37,800					56	
58	75.2	188.9	40,100	33,600	29,100	25,700	77.8	187.5	37,700	31,900				58	
60	74.5	188.3	39,900	33,400	29,000	25,600	77.2	186.9	37,500	31,800				60	
61	74.2	188.0	39,300	33,300	28,900	25,500	76.8	186.5	37,400	31,700	27,700			61	
63	73.6	187.3	38,200	33,100	28,700	25,400	76.2	185.9	37,200	31,600	27,600			63	
64	73.3	187.0	37,600	33,000	28,600	25,400	75.9	185.6	37,100	31,600	27,600	24,500		64	
65	72.9	186.7	37,000	33,000	28,600	25,400	75.6	185.2	37,000	31,500	27,500	24,500		65	
66	72.6	186.3	36,300	32,500	28,500	25,300	75.2	184.9	36,500	31,500	27,500	24,500		66	
69	71.7	185.3	34,000	31,200	28,300	25,100	74.3	183.8	34,800	31,300	27,400	24,400		69	
70	71.3	184.9	33,200	30,800	28,200	25,100	73.9	183.4	34,300	31,200	27,300	24,300		70	
72	70.7	184.1	31,900	29,600	27,300	24,700	73.3	182.7	32,900	30,300	27,100	24,300		72	
75	69.7	183.0	29,900	27,900	26,000	24,200	72.3	181.5	30,900	28,800	26,900	24,200		75	
80	68.1	180.9	27,100	25,400	23,700	22,200	70.7	179.4	28,100	26,200	24,500	23,000		80	
85	66.4	178.6	24,700	23,200	21,700	20,400	69.0	177.1	25,600	24,000	22,500	21,100		85	
90	64.8	176.2	22,600	21,200	19,900	18,700	67.3	174.6	23,400	22,000	20,600	19,400		90	
95	63.0	173.5	20,700	19,500	18,300	17,300	65.6	172.0	21,400	20,200	19,000	17,900		95	
100	61.3	170.7	19,000	17,900	16,900	16,000	63.8	169.1	19,700	18,600	17,500	16,500		100	
105	59.5	167.7	17,500	16,600	15,600	14,800	62.0	166.0	18,100	17,100	16,200	15,300		105	
110	57.7	164.4	16,200	15,300	14,500	13,700	60.2	162.7	16,700	15,800	15,000	14,200		110	
115	55.9	160.9	15,000	14,200	13,400	12,700	58.4	159.2	15,500	14,700	13,900	13,200		115	
120	54.0	157.2	13,800	13,100	12,400	11,800	56.5	155.4	14,300	13,600	12,900	12,200		120	
125	52.1	153.2	12,800	12,200	11,500	10,900	54.5	151.4	13,200	12,600	12,000	11,300		125	
130	50.1	148.9	11,900	11,300	10,700	10,200	52.5	147.1	12,300	11,700	11,100	10,500		130	
135	48.0	144.3	11,000	10,500	9,900	9,400	50.4	142.4	11,400	10,800	10,300	9,800		135	
140	45.9	139.4	10,200	9,700	9,200	8,800	48.2	137.4	10,500	10,000	9,600	9,100		140	
145	43.7	134.0	9,500	9,000	8,600	8,200	46.0	131.9	9,800	9,300	8,900	8,400		145	
150	41.4	128.2	8,800	8,400	8,000	7,600	43.7	126.1	9,000	8,600	8,200	7,800		150	
155	39.0	122.0	8,100	7,700	7,400	7,000	41.2	119.6	8,400	8,000	7,600	7,300		155	
160	36.4	115.1	7,500	7,200	6,800	6,500	38.6	112.6	7,700	7,400	7,000	6,700		160	
170	30.7	99.0	6,400	6,100	5,800	5,600	32.7	96.1	6,600	6,300	6,000	5,700		170	
174	28.1	91.2	6,000	5,700	5,500	5,200	30.0	88.1	6,100	5,900	5,600	5,400		174	
175	27.4	89.3	5,900	5,600	5,400		29.3	86.1	6,000	5,800	5,500	5,300		175	
176	26.7	87.1	5,800	5,600			28.5	83.7	5,900	5,700	5,400	5,200		176	
177	25.9	84.9	5,700				27.7	81.3	5,800	5,600	5,300			177	
178	25.2	82.8	5,600				26.9	78.9	5,700	5,500				178	
179							26.1	76.6	5,600	5,400				179	
180							25.4	74.2	5,500					180	

# MLC150-1 S-1



		25°					
ft	°	ft	lb	lb	lb	lb	ft
46							46
48							48
49							49
50							50
53							53
55							55
56							56
58							58
60							60
61							61
63	78.9	182.8	26,100				63
64	78.5	182.5	26,000				64
65	78.2	182.1	25,800				65
66	77.9	181.8	25,600	25,300			66
69	76.9	180.7	25,000	24,800	24,600		69
70	76.6	180.3	24,900	24,600	24,400		70
72	75.9	179.5	24,500	24,300	24,100	23,500	72
75	74.9	178.3	24,000	23,800	23,600	23,400	75
80	73.2	176.2	23,200	23,000	22,800	22,600	80
85	71.5	173.8	22,500	22,300	22,100	21,900	85
90	69.8	171.3	21,800	21,600	21,400	20,100	90
95	68.0	168.6	21,200	20,900	19,700	18,600	95
100	66.3	165.7	20,300	19,200	18,100	17,100	100
105	64.4	162.5	18,700	17,700	16,800	15,900	105
110	62.6	159.2	17,300	16,400	15,500	14,700	110
115	60.7	155.6	16,000	15,100	14,400	13,600	115
120	58.7	151.7	14,800	14,000	13,300	12,600	120
125	56.7	147.5	13,700	13,000	12,300	11,700	125
130	54.6	143.1	12,600	12,000	11,500	10,900	130
135	52.5	138.3	11,700	11,200	10,600	10,100	135
140	50.3	133.1	10,800	10,300	9,800	9,400	140
145	47.9	127.5	10,000	9,600	9,100	8,700	145
150	45.5	121.3	9,300	8,900	8,400	8,000	150
155	42.9	114.7	8,600	8,200	7,800	7,400	155
160	40.2	107.3	7,900	7,500	7,200	6,900	160
170	33.9	89.7	6,600	6,400	6,100	5,800	170
174	30.9	80.9	6,200	5,900	5,700	5,400	174
175	30.2	78.8	6,100	5,800	5,600	5,300	175
176	29.4	76.3	6,000	5,700	5,500	5,200	176
177							177
178							178
179							179
180							180

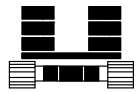
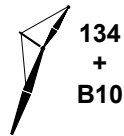
# MLC150-1 S-1



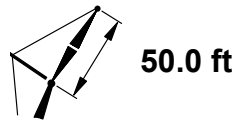
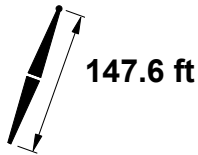
	5°							15°									
			0°								0°						
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft			
48	78.9	201.7	41,400											48			
50	78.3	201.2	41,100											50			
51	78.0	201.0	41,000	34,100										51			
55	76.8	200.0	40,500	33,800	29,200									55			
57	76.2	199.4	40,200	33,600	29,000			78.7	198.0	37,700				57			
58	75.9	199.1	40,100	33,500	29,000	25,600		78.4	197.7	37,600				58			
60	75.3	198.6	39,900	33,400	28,800	25,500		77.8	197.1	37,500	31,700			60			
63	74.4	197.7	38,000	33,100	28,600	25,300		76.9	196.2	37,200	31,500	27,500		63			
65	73.8	197.1	36,700	32,900	28,500	25,300		76.3	195.6	37,100	31,400	27,400		65			
67	73.2	196.4	35,200	31,900	28,300	25,100		75.7	194.9	35,900	31,300	27,300	24,300	67			
68	72.9	196.1	34,400	31,400	28,300	25,100		75.4	194.6	35,300	31,300	27,300	24,300	68			
70	72.3	195.4	32,900	30,400	28,100	25,000		74.8	193.9	34,000	31,200	27,300	24,200	70			
71	72.0	195.0	32,300	29,800	27,600	24,700		74.5	193.5	33,400	30,700	27,100	24,200	71			
75	70.8	193.6	29,600	27,500	25,500	23,700		73.2	192.1	30,700	28,500	26,500	24,100	75			
80	69.2	191.6	26,900	25,000	23,200	21,700		71.7	190.1	27,800	25,900	24,100	22,500	80			
85	67.7	189.4	24,400	22,800	21,300	19,900		70.1	187.9	25,300	23,600	22,100	20,600	85			
90	66.1	187.1	22,300	20,800	19,500	18,300		68.5	185.6	23,100	21,600	20,200	19,000	90			
95	64.5	184.7	20,400	19,100	17,900	16,800		66.9	183.1	21,200	19,800	18,600	17,500	95			
100	62.9	182.0	18,700	17,600	16,500	15,500		65.3	180.4	19,400	18,300	17,200	16,100	100			
105	61.2	179.2	17,200	16,200	15,200	14,300		63.6	177.5	17,900	16,800	15,800	14,900	105			
110	59.5	176.1	15,900	15,000	14,100	13,300		61.9	174.5	16,500	15,500	14,600	13,800	110			
115	57.8	172.9	14,700	13,800	13,000	12,300		60.2	171.2	15,200	14,300	13,500	12,800	115			
120	56.1	169.4	13,500	12,800	12,100	11,400		58.4	167.7	14,000	13,300	12,500	11,800	120			
125	54.3	165.8	12,500	11,800	11,200	10,500		56.6	164.0	13,000	12,300	11,600	11,000	125			
130	52.5	161.8	11,600	10,900	10,300	9,800		54.8	160.0	12,000	11,400	10,800	10,200	130			
135	50.6	157.6	10,700	10,100	9,600	9,100		52.9	155.7	11,100	10,500	10,000	9,400	135			
140	48.7	153.1	9,900	9,400	8,900	8,400		50.9	151.2	10,300	9,700	9,200	8,700	140			
145	46.7	148.3	9,200	8,700	8,200	7,800		48.9	146.3	9,500	9,000	8,500	8,100	145			
150	44.6	143.1	8,500	8,000	7,600	7,200		46.8	141.0	8,800	8,300	7,900	7,500	150			
155	42.5	137.6	7,800	7,400	7,000	6,600		44.6	135.4	8,100	7,700	7,300	6,900	155			
160	40.2	131.5	7,200	6,900	6,500	6,100		42.3	129.3	7,500	7,100	6,700	6,400	160			
165	37.9	125.0	6,700	6,300	6,000	5,700		39.9	122.6	6,900	6,500	6,200	5,900	165			
170	35.4	117.9	6,100	5,800	5,500	5,200		37.4	115.3	6,300	6,000	5,700	5,400	170			
175	32.7	110.0	5,600	5,300	5,100	4,800		34.6	107.2	5,800	5,500	5,200	4,900	175			
180	29.8	101.2	5,100	4,900	4,600	4,400		31.6	98.2	5,300	5,000	4,800	4,500	180			
182	28.5	97.2	5,000	4,700	4,500	4,200		30.3	94.0	5,100	4,800	4,600	4,300	182			
184	27.2	93.2	4,800	4,500	4,300			28.9	89.8	4,900	4,700	4,400	4,200	184			
185	26.6	91.2	4,700	4,500				28.3	87.8	4,800	4,600	4,300	4,100	185			
186	25.9	89.0	4,600					27.5	85.4	4,700	4,500	4,200		186			
187	25.2	86.7	4,500					26.8	83.0	4,600	4,400			187			
188								26.0	80.5	4,500	4,300			188			
189								25.3	78.1	4,400				189			



# MLC150-1 S-1

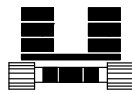


75,200 lb  
+  
0 lb



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
48							48
50							50
51							51
55							55
57							57
58							58
60							60
63							63
65	78.8	192.4	26,200				65
67	78.2	191.7	25,800				67
68	77.9	191.4	25,600	25,300			68
70	77.3	190.7	25,200	25,000			70
71	77.0	190.3	25,100	24,800	24,500		71
75	75.7	188.8	24,400	24,200	23,900	22,300	75
80	74.1	186.8	23,700	23,400	23,200	22,300	80
85	72.5	184.6	22,900	22,700	22,500	21,400	85
90	70.9	182.2	22,200	22,000	21,000	19,700	90
95	69.3	179.7	21,600	20,600	19,300	18,200	95
100	67.6	177.0	20,100	18,900	17,800	16,800	100
105	65.9	174.1	18,500	17,400	16,400	15,500	105
110	64.2	170.9	17,100	16,100	15,200	14,300	110
115	62.4	167.6	15,700	14,900	14,000	13,300	115
120	60.6	164.0	14,500	13,700	13,000	12,300	120
125	58.8	160.2	13,400	12,700	12,000	11,400	125
130	56.9	156.1	12,400	11,800	11,100	10,500	130
135	54.9	151.7	11,500	10,900	10,300	9,800	135
140	52.9	147.0	10,600	10,100	9,500	9,000	140
145	50.8	142.0	9,800	9,300	8,800	8,400	145
150	48.6	136.6	9,100	8,600	8,200	7,700	150
155	46.4	130.7	8,300	7,900	7,500	7,100	155
160	44.0	124.4	7,700	7,300	6,900	6,600	160
165	41.5	117.4	7,100	6,700	6,400	6,000	165
170	38.8	109.7	6,500	6,100	5,800	5,500	170
175	35.9	101.2	5,900	5,600	5,300	5,000	175
180	32.7	91.5	5,400	5,100	4,800	4,600	180
182	31.2	86.9	5,100	4,900	4,700	4,400	182
184	29.8	82.4	4,900	4,700	4,500	4,200	184
185	29.1	80.1	4,800	4,600	4,400	4,100	185
186							186
187							187
188							188
189							189

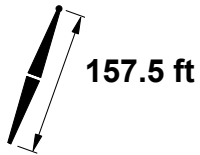
# MLC150-1 S-1



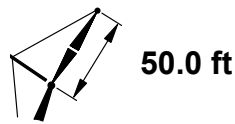
75,200 lb  
+  
0 lb



360°



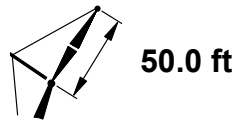
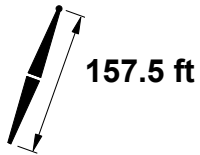
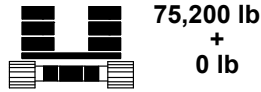
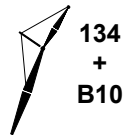
157.5 ft



50.0 ft

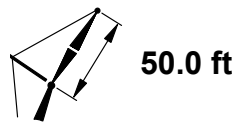
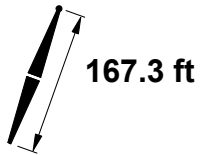
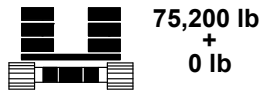
	5°							15°								
			0°								0°					
	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
50	78.9	211.3	40,900												50	
54	77.7	210.4	40,400	33,700											54	
55	77.4	210.1	40,300	33,600											55	
57	76.9	209.6	40,100	33,400	28,900										57	
58	76.6	209.3	40,000	33,400	28,800			79.0	207.9	37,500					58	
60	76.0	208.8	39,700	33,200	28,600			78.4	207.3	37,400					60	
61	75.7	208.5	39,100	33,100	28,600	25,300		78.1	207.0	37,300					61	
62	75.5	208.2	38,400	33,000	28,500	25,300		77.8	206.8	37,200	31,500				62	
65	74.6	207.4	36,400	32,800	28,400	25,100		77.0	205.9	37,000	31,300	27,300			65	
67	74.0	206.7	34,900	31,600	28,100	25,000		76.4	205.2	35,700	31,200	27,200			67	
69	73.5	206.1	33,300	30,500	27,700	24,900		75.8	204.6	34,400	31,100	27,200	23,600		69	
70	73.2	205.8	32,600	29,900	27,500	24,900		75.5	204.3	33,800	31,100	27,100	23,600		70	
74	72.0	204.4	30,000	27,600	25,500	23,500		74.4	202.9	31,100	28,700	26,200	23,600		74	
75	71.7	204.1	29,300	27,000	25,000	23,100		74.1	202.5	30,400	28,100	26,000	23,600		75	
77	71.1	203.3	28,200	26,000	24,100	22,300		73.5	201.8	29,300	27,000	25,000	22,900		77	
80	70.3	202.2	26,500	24,500	22,700	21,100		72.6	200.6	27,500	25,500	23,700	22,000		80	
85	68.8	200.2	24,100	22,300	20,800	19,300		71.1	198.6	25,000	23,200	21,600	20,100		85	
90	67.3	198.0	21,900	20,400	19,000	17,700		69.6	196.4	22,800	21,200	19,800	18,500		90	
95	65.8	195.7	20,000	18,700	17,400	16,300		68.1	194.1	20,800	19,500	18,200	17,000		95	
100	64.3	193.2	18,400	17,200	16,000	15,000		66.6	191.5	19,100	17,900	16,700	15,600		100	
105	62.7	190.5	16,900	15,800	14,800	13,800		65.0	188.9	17,500	16,400	15,400	14,400		105	
110	61.1	187.6	15,500	14,500	13,600	12,700		63.4	186.0	16,100	15,100	14,200	13,300		110	
115	59.5	184.6	14,300	13,400	12,600	11,800		61.8	182.9	14,900	14,000	13,100	12,300		115	
120	57.9	181.4	13,200	12,300	11,600	10,900		60.1	179.7	13,700	12,900	12,100	11,400		120	
125	56.3	178.0	12,100	11,400	10,700	10,000		58.5	176.2	12,600	11,900	11,200	10,500		125	
130	54.6	174.3	11,200	10,500	9,900	9,300		56.8	172.5	11,700	11,000	10,300	9,700		130	
135	52.8	170.4	10,300	9,700	9,100	8,600		55.0	168.6	10,800	10,100	9,500	9,000		135	
140	51.0	166.3	9,500	9,000	8,400	7,900		53.2	164.4	9,900	9,400	8,800	8,300		140	
145	49.2	161.9	8,800	8,300	7,800	7,300		51.4	159.9	9,200	8,600	8,100	7,600		145	
150	47.3	157.2	8,100	7,600	7,200	6,700		49.5	155.2	8,400	7,900	7,500	7,000		150	
155	45.4	152.2	7,400	7,000	6,600	6,200		47.5	150.1	7,800	7,300	6,900	6,500		155	
160	43.4	146.8	6,800	6,400	6,000	5,700		45.5	144.6	7,100	6,700	6,300	5,900		160	
165	41.3	141.0	6,300	5,900	5,500	5,200		43.3	138.7	6,500	6,200	5,800	5,400		165	
170	39.1	134.7	5,700	5,400	5,100	4,700		41.1	132.4	6,000	5,600	5,300	5,000		170	
175	36.8	128.0	5,200	4,900	4,600	4,200		38.7	125.5	5,400	5,100	4,800	4,500		175	
180	34.4	120.6	4,800	4,400	4,100	3,700		36.3	117.9	4,900	4,600	4,300	4,000		180	
185	31.8	112.4	4,300	3,900	3,600	3,300		33.6	109.5	4,500	4,100	3,800	3,500		185	
190	28.9	103.3	3,700	3,400	3,200			30.6	100.2	3,900	3,600	3,300	3,000		190	
194	26.4	95.0	3,400	3,100				28.0	91.6	3,500	3,200				194	
195	25.8	93.0	3,300					27.4	89.4	3,400	3,100				195	
196	25.1	90.7	3,200					26.6	87.0	3,300	3,000				196	
198								25.2	82.1	3,100					198	

# MLC150-1 S-1



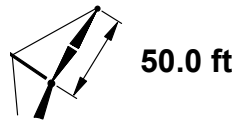
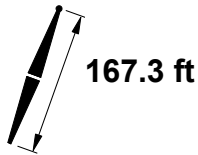
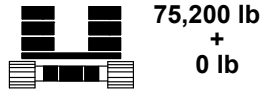
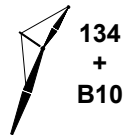
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
50							50
54							54
55							55
57							57
58							58
60							60
61							61
62							62
65							65
67	78.8	202.1	26,100				67
69	78.2	201.4	25,800				69
70	77.9	201.1	25,600	25,300			70
74	76.7	199.6	25,000	24,700	24,400		74
75	76.5	199.3	24,800	24,500	24,300		75
77	75.9	198.5	24,500	24,200	24,000	20,500	77
80	75.0	197.4	24,000	23,800	23,600	20,500	80
85	73.4	195.3	23,300	23,100	22,500	20,500	85
90	71.9	193.1	22,700	22,100	20,600	19,200	90
95	70.4	190.7	21,600	20,200	18,900	17,700	95
100	68.8	188.1	19,800	18,600	17,400	16,300	100
105	67.2	185.4	18,200	17,100	16,000	15,000	105
110	65.6	182.4	16,800	15,700	14,800	13,900	110
115	63.9	179.3	15,400	14,500	13,700	12,800	115
120	62.3	176.0	14,200	13,400	12,600	11,900	120
125	60.5	172.5	13,100	12,400	11,600	11,000	125
130	58.8	168.7	12,100	11,400	10,800	10,100	130
135	57.0	164.7	11,200	10,500	9,900	9,300	135
140	55.2	160.4	10,300	9,700	9,200	8,600	140
145	53.3	155.8	9,500	9,000	8,400	8,000	145
150	51.3	150.9	8,700	8,300	7,800	7,300	150
155	49.3	145.6	8,000	7,600	7,100	6,700	155
160	47.2	140.0	7,400	7,000	6,600	6,200	160
165	45.0	133.9	6,700	6,400	6,000	5,600	165
170	42.6	127.3	6,200	5,800	5,500	5,100	170
175	40.2	120.0	5,600	5,300	5,000	4,700	175
180	37.6	112.1	5,100	4,800	4,500	4,100	180
185	34.7	103.2	4,600	4,200	3,900	3,600	185
190	31.6	93.2	4,000	3,700	3,400	3,100	190
194	28.8	83.9	3,500	3,300	3,000		194
195							195
196							196
198							198

# MLC150-1 S-1



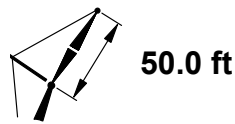
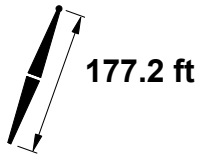
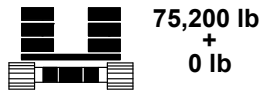
	5°							15°																
			0°				1°						0°				1°							
	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft		
52	78.8	221.0	40,500																				52	
55	78.0	220.3	40,100																					55
56	77.8	220.0	40,000	33,300																				56
59	76.9	219.3	39,700	33,100	28,500																			59
60	76.7	219.0	39,600	33,000	28,500			79.0	217.5	37,200													60	
63	75.9	218.2	37,500	32,800	28,300	23,200		78.1	216.7	37,000														63
64	75.6	217.9	36,800	32,700	28,300	23,100		77.9	216.4	36,900	31,200													64
65	75.3	217.6	36,100	32,700	28,300	23,100		77.6	216.1	36,900	31,100													65
68	74.5	216.7	33,800	30,700	27,500	23,100		76.8	215.2	34,800	30,900	27,000												68
69	74.2	216.4	33,000	30,100	27,200	23,100		76.5	214.9	34,200	30,800	27,000												69
70	74.0	216.1	32,200	29,500	27,000	23,100		76.2	214.6	33,500	30,700	27,000												70
71	73.7	215.8	31,600	28,900	26,500	23,000		75.9	214.3	32,800	30,100	26,700	21,600											71
72	73.4	215.5	30,900	28,300	26,000	22,900		75.7	213.9	32,200	29,500	26,400	21,600											72
75	72.6	214.5	29,000	26,600	24,400	22,500		74.8	212.9	30,100	27,700	25,500	21,600											75
76	72.3	214.1	28,400	26,100	24,000	22,100		74.6	212.6	29,500	27,200	25,000	21,600											76
79	71.5	213.1	26,700	24,600	22,700	20,900		73.7	211.5	27,800	25,600	23,700	21,500											79
80	71.2	212.7	26,200	24,100	22,200	20,500		73.4	211.2	27,200	25,100	23,200	21,400											80
85	69.8	210.8	23,700	21,900	20,300	18,700		72.0	209.2	24,700	22,900	21,200	19,600											85
90	68.4	208.7	21,600	20,000	18,500	17,200		70.6	207.1	22,500	20,900	19,400	18,000											90
95	67.0	206.5	19,700	18,300	17,000	15,800		69.2	204.9	20,500	19,100	17,700	16,500											95
100	65.5	204.2	18,000	16,700	15,600	14,500		67.7	202.5	18,800	17,500	16,300	15,200											100
105	64.0	201.6	16,500	15,400	14,300	13,300		66.2	200.0	17,200	16,100	15,000	14,000											105
110	62.6	199.0	15,100	14,100	13,200	12,300		64.7	197.3	15,800	14,800	13,800	12,900											110
115	61.1	196.1	13,900	13,000	12,100	11,300		63.2	194.4	14,500	13,600	12,700	11,900											115
120	59.5	193.1	12,800	11,900	11,100	10,400		61.7	191.4	13,400	12,500	11,700	10,900											120
125	58.0	189.9	11,800	11,000	10,300	9,600		60.1	188.1	12,300	11,500	10,800	10,100											125
130	56.4	186.5	10,800	10,100	9,500	8,800		58.5	184.7	11,300	10,600	9,900	9,300											130
135	54.8	182.9	10,000	9,300	8,700	8,100		56.9	181.0	10,400	9,800	9,100	8,500											135
140	53.1	179.0	9,200	8,600	8,000	7,400		55.2	177.2	9,600	9,000	8,400	7,900											140
145	51.5	175.0	8,400	7,900	7,300	6,800		53.5	173.1	8,800	8,300	7,700	7,200											145
150	49.7	170.6	7,700	7,200	6,700	6,300		51.8	168.7	8,100	7,600	7,100	6,600											150
155	48.0	166.0	7,100	6,600	6,200	5,700		50.0	164.0	7,400	7,000	6,500	6,000											155
160	46.1	161.1	6,500	6,000	5,600	5,200		48.1	159.0	6,800	6,400	5,900	5,500											160
165	44.2	155.9	5,900	5,500	5,100	4,600		46.2	153.7	6,200	5,800	5,400	5,000											165
170	42.3	150.3	5,400	5,000	4,500	4,100		44.2	148.1	5,600	5,300	4,900	4,400											170
175	40.2	144.3	4,800	4,400	4,000	3,600		42.1	142.0	5,100	4,700	4,300	3,900											175
180	38.1	137.8	4,300	3,900	3,500	3,100		40.0	135.4	4,600	4,200	3,800	3,400											180
185	35.8	130.8	3,700	3,400	3,000			37.7	128.2	4,000	3,600	3,300												185
190	33.5	123.2	3,200					35.2	120.4	3,500	3,100													190
195								32.6	111.8	3,000														195

# MLC150-1 S-1



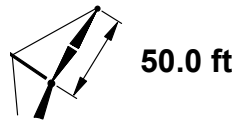
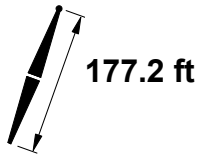
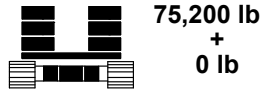
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
52							52
55							55
56							56
59							59
60							60
63							63
64							64
65							65
68							68
69	78.8	211.7	26,100				69
70	78.5	211.4	25,900				70
71	78.2	211.0	25,700				71
72	77.9	210.7	25,600	25,300			72
75	77.1	209.7	25,100	24,900			75
76	76.8	209.3	25,000	24,700	24,400		76
79	76.0	208.2	24,500	24,300	24,000	18,900	79
80	75.7	207.9	24,400	24,100	23,900	18,900	80
85	74.3	205.9	23,700	23,400	22,100	18,900	85
90	72.8	203.8	23,000	21,700	20,200	18,800	90
95	71.3	201.5	21,400	19,900	18,500	17,300	95
100	69.9	199.1	19,600	18,200	17,000	15,900	100
105	68.4	196.5	17,900	16,800	15,700	14,600	105
110	66.8	193.8	16,500	15,400	14,400	13,500	110
115	65.3	190.9	15,200	14,200	13,300	12,400	115
120	63.7	187.7	14,000	13,100	12,200	11,400	120
125	62.1	184.4	12,800	12,000	11,300	10,600	125
130	60.5	180.9	11,800	11,100	10,400	9,700	130
135	58.8	177.2	10,900	10,200	9,600	9,000	135
140	57.1	173.2	10,000	9,400	8,800	8,200	140
145	55.4	169.0	9,200	8,600	8,100	7,600	145
150	53.6	164.5	8,500	7,900	7,400	6,900	150
155	51.7	159.7	7,700	7,300	6,800	6,300	155
160	49.8	154.6	7,100	6,600	6,200	5,800	160
165	47.8	149.1	6,500	6,000	5,600	5,300	165
170	45.8	143.3	5,900	5,500	5,100	4,700	170
175	43.6	136.9	5,300	5,000	4,600	4,100	175
180	41.4	130.1	4,800	4,400	4,000	3,600	180
185	39.0	122.6	4,200	3,800	3,500	3,100	185
190	36.4	114.4	3,600	3,300			190
195	33.6	105.2	3,100				195

# MLC150-1 S-1



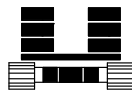
	5°							15°								
			75,200 lb + 0 lb						75,200 lb + 0 lb							
	ft	°	ft	0°	1°	2°	3°	ft	°	ft	0°	1°	2°	3°		ft
54	78.8	230.6	39,900													54
55	78.5	230.4	39,800													55
58	77.8	229.7	39,500	32,900												58
60	77.3	229.2	39,300	32,700												60
61	77.0	228.9	38,600	32,600	26,900											61
62	76.7	228.7	37,900	32,600	26,900			78.9	227.1	36,900	26,900					62
65	76.0	227.9	35,800	32,300	26,800	21,100		78.1	226.3	36,700						65
66	75.7	227.6	35,000	31,700	26,700	21,000		77.9	226.0	36,000	30,800					66
70	74.7	226.4	31,900	29,000	26,400	21,000		76.8	224.9	33,200	30,300	25,200				70
71	74.4	226.1	31,200	28,400	25,900	21,000		76.6	224.6	32,600	29,700	25,200				71
74	73.6	225.2	29,300	26,700	24,400	21,000		75.8	223.6	30,500	27,900	25,100	19,600			74
75	73.4	224.9	28,600	26,100	23,900	21,000		75.5	223.3	29,800	27,300	25,000	19,600			75
78	72.6	223.8	26,900	24,600	22,600	20,300		74.7	222.3	28,100	25,700	23,600	19,600			78
80	72.0	223.2	25,800	23,600	21,700	19,900		74.2	221.6	26,900	24,700	22,700	19,600			80
82	71.5	222.4	24,800	22,800	20,900	19,200		73.6	220.9	25,900	23,800	21,900	19,400			82
85	70.7	221.3	23,400	21,500	19,800	18,200		72.8	219.8	24,400	22,500	20,700	19,100			85
90	69.4	219.4	21,200	19,600	18,000	16,600		71.5	217.8	22,200	20,500	18,900	17,500			90
95	68.0	217.3	19,300	17,800	16,500	15,200		70.1	215.7	20,200	18,700	17,300	16,000			95
100	66.6	215.1	17,600	16,300	15,100	14,000		68.7	213.4	18,500	17,100	15,800	14,700			100
105	65.3	212.7	16,100	14,900	13,800	12,800		67.4	211.0	16,900	15,700	14,500	13,500			105
110	63.9	210.1	14,800	13,700	12,700	11,700		65.9	208.5	15,500	14,400	13,400	12,400			110
115	62.4	207.4	13,500	12,600	11,600	10,800		64.5	205.8	14,200	13,200	12,300	11,400			115
120	61.0	204.6	12,400	11,500	10,700	9,900		63.1	202.9	13,000	12,100	11,300	10,500			120
125	59.5	201.6	11,400	10,600	9,800	9,100		61.6	199.8	12,000	11,100	10,400	9,600			125
130	58.0	198.4	10,400	9,700	9,000	8,300		60.1	196.6	11,000	10,200	9,500	8,800			130
135	56.5	195.0	9,600	8,900	8,200	7,600		58.6	193.2	10,100	9,400	8,700	8,100			135
140	55.0	191.4	8,800	8,100	7,500	7,000		57.0	189.6	9,200	8,600	8,000	7,400			140
145	53.4	187.6	8,000	7,400	6,900	6,400		55.4	185.7	8,500	7,900	7,300	6,800			145
150	51.8	183.6	7,300	6,800	6,300	5,800		53.8	181.7	7,700	7,200	6,700	6,200			150
155	50.2	179.3	6,700	6,200	5,700	5,100		52.1	177.4	7,100	6,600	6,100	5,600			155
160	48.5	174.8	6,100	5,600	5,100	4,500		50.4	172.8	6,400	6,000	5,500	5,000			160
165	46.8	170.0	5,500	5,000	4,500	4,000		48.7	168.0	5,800	5,400	4,900	4,400			165
170	45.0	164.9	4,900	4,400	3,900	3,500		46.9	162.8	5,300	4,800	4,300	3,800			170
175	43.1	159.5	4,300	3,800	3,400	3,000		45.0	157.3	4,600	4,200	3,700	3,300			175
180	41.2	153.7	3,700	3,300				43.1	151.4	4,100	3,600	3,200				180
185	39.2	147.5	3,200					41.0	145.1	3,500	3,100					185
190								38.9	138.3	3,000						190

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
54							54
55							55
58							58
60							60
61							61
62							62
65							65
66							66
70							70
71	78.8	221.3	26,100				71
74	78.0	220.3	25,600	25,300			74
75	77.7	220.0	25,500	25,200			75
78	76.9	219.0	25,000	24,700	22,400		78
80	76.3	218.3	24,700	24,500	22,400		80
82	75.8	217.5	24,400	24,100	22,100	17,300	82
85	75.0	216.4	24,000	23,500	21,700	17,300	85
90	73.6	214.4	23,100	21,400	19,800	17,300	90
95	72.2	212.3	21,100	19,600	18,100	16,800	95
100	70.8	210.0	19,300	17,900	16,600	15,400	100
105	69.4	207.5	17,700	16,400	15,300	14,200	105
110	68.0	205.0	16,200	15,100	14,000	13,000	110
115	66.5	202.2	14,900	13,800	12,900	12,000	115
120	65.0	199.3	13,600	12,700	11,800	11,000	120
125	63.5	196.2	12,500	11,700	10,900	10,100	125
130	62.0	192.9	11,500	10,700	10,000	9,300	130
135	60.4	189.4	10,600	9,900	9,200	8,500	135
140	58.9	185.7	9,700	9,000	8,400	7,800	140
145	57.2	181.8	8,900	8,300	7,700	7,200	145
150	55.6	177.6	8,100	7,600	7,000	6,500	150
155	53.9	173.2	7,400	6,900	6,400	5,900	155
160	52.1	168.5	6,800	6,300	5,800	5,300	160
165	50.3	163.5	6,100	5,700	5,200	4,700	165
170	48.5	158.2	5,600	5,100	4,600	4,100	170
175	46.5	152.5	5,000	4,500	4,000	3,600	175
180	44.5	146.4	4,300	3,900	3,500	3,000	180
185	42.4	139.9	3,700	3,300			185
190	40.2	132.8	3,200				190

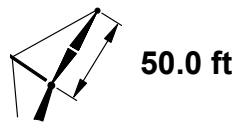
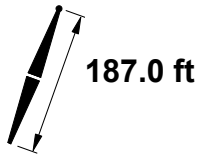
# MLC150-1 S-1



75,200 lb  
+  
0 lb



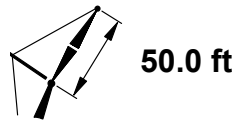
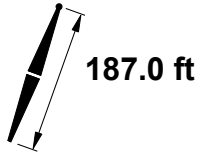
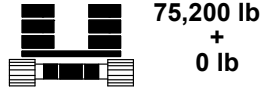
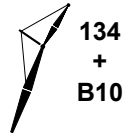
360°



		5°						15°							
ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft		
56	78.8	240.2	39,300										56		
60	77.8	239.3	38,900	32,400									60		
64	76.8	238.3	36,100	32,000	24,500		78.9	236.8	36,500				64		
65	76.6	238.1	35,500	31,900	24,500		78.7	236.5	36,400				65		
68	75.8	237.2	33,100	29,900	24,500	19,000	77.9	235.7	34,300	30,500			68		
70	75.3	236.7	31,600	28,600	24,400	19,000	77.4	235.1	33,000	29,900			70		
72	74.8	236.1	30,300	27,400	24,000	19,000	76.9	234.5	31,600	28,700	23,000		72		
75	74.1	235.2	28,300	25,700	23,400	19,000	76.1	233.6	29,600	26,900	23,000		75		
76	73.8	234.8	27,800	25,200	23,000	19,000	75.9	233.3	29,000	26,400	22,900	17,800	76		
80	72.8	233.6	25,500	23,300	21,200	18,900	74.9	232.0	26,700	24,400	22,300	17,800	80		
84	71.8	232.2	23,500	21,500	19,700	17,900	73.8	230.6	24,600	22,600	20,700	17,800	84		
85	71.5	231.8	23,100	21,100	19,300	17,700	73.6	230.2	24,100	22,100	20,300	17,700	85		
90	70.3	230.0	20,900	19,200	17,600	16,100	72.3	228.4	21,900	20,100	18,500	17,000	90		
95	69.0	228.0	19,000	17,500	16,100	14,800	71.0	226.4	19,900	18,400	16,900	15,600	95		
100	67.7	225.8	17,300	15,900	14,700	13,500	69.7	224.2	18,200	16,800	15,500	14,300	100		
105	66.3	223.6	15,800	14,600	13,400	12,400	68.4	221.9	16,600	15,300	14,200	13,100	105		
110	65.0	221.2	14,500	13,300	12,300	11,300	67.0	219.5	15,200	14,100	13,000	12,000	110		
115	63.7	218.6	13,200	12,200	11,200	10,400	65.7	216.9	13,900	12,900	11,900	11,000	115		
120	62.3	215.9	12,100	11,200	10,300	9,500	64.3	214.2	12,800	11,800	10,900	10,100	120		
125	60.9	213.1	11,100	10,200	9,400	8,700	62.9	211.3	11,700	10,800	10,000	9,200	125		
130	59.5	210.1	10,100	9,300	8,600	7,900	61.5	208.3	10,700	9,900	9,200	8,400	130		
135	58.1	206.9	9,300	8,500	7,900	7,200	60.1	205.1	9,800	9,100	8,400	7,700	135		
140	56.7	203.5	8,500	7,800	7,200	6,600	58.6	201.7	9,000	8,300	7,600	7,000	140		
145	55.2	199.9	7,700	7,100	6,500	5,900	57.1	198.1	8,200	7,600	7,000	6,400	145		
150	53.7	196.2	7,000	6,500	5,800	5,200	55.6	194.3	7,500	6,900	6,300	5,700	150		
155	52.2	192.2	6,400	5,800	5,200	4,600	54.1	190.3	6,800	6,300	5,700	5,100	155		
160	50.6	188.0	5,700	5,100	4,600	4,000	52.5	186.1	6,200	5,600	5,000	4,500	160		
165	49.0	183.6	5,000	4,500	4,000	3,500	50.9	181.6	5,500	5,000	4,400	3,900	165		
170	47.4	178.9	4,400	3,900	3,400		49.2	176.8	4,900	4,300	3,800	3,300	170		
175	45.7	173.9	3,800	3,400			47.5	171.8	4,200	3,700	3,300		175		
180	43.9	168.7	3,300				45.7	166.4	3,600	3,200			180		
185							43.9	160.7	3,100				185		

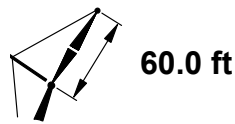
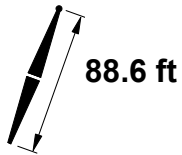
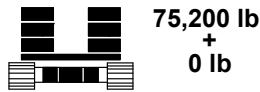


# MLC150-1 S-1



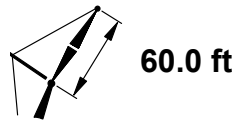
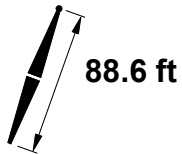
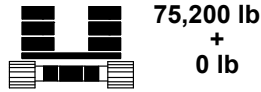
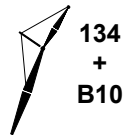
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
56							56
60							60
64							64
65							65
68							68
70							70
72	79.0	231.3	26,200				72
75	78.2	230.3	25,800				75
76	78.0	230.0	25,600	25,300			76
80	76.9	228.7	25,000	24,800	20,500		80
84	75.9	227.2	24,500	23,500	20,500	15,700	84
85	75.7	226.9	24,400	23,200	20,500	15,700	85
90	74.3	225.0	22,900	21,100	19,400	15,700	90
95	73.0	222.9	20,900	19,300	17,800	15,700	95
100	71.7	220.8	19,100	17,600	16,300	15,000	100
105	70.3	218.5	17,400	16,100	14,900	13,800	105
110	69.0	216.0	16,000	14,800	13,700	12,700	110
115	67.6	213.4	14,600	13,500	12,500	11,600	115
120	66.2	210.6	13,400	12,400	11,500	10,700	120
125	64.8	207.7	12,300	11,400	10,600	9,800	125
130	63.3	204.6	11,300	10,400	9,700	8,900	130
135	61.9	201.3	10,300	9,600	8,900	8,200	135
140	60.4	197.8	9,400	8,800	8,100	7,500	140
145	58.9	194.2	8,600	8,000	7,400	6,800	145
150	57.3	190.3	7,900	7,300	6,700	6,200	150
155	55.8	186.2	7,200	6,600	6,100	5,500	155
160	54.1	181.9	6,500	6,000	5,500	4,900	160
165	52.5	177.3	5,900	5,400	4,800	4,300	165
170	50.8	172.4	5,200	4,700	4,200	3,700	170
175	49.0	167.2	4,600	4,100	3,600	3,100	175
180	47.2	161.7	4,000	3,500	3,000		180
185	45.3	155.8	3,400				185

# MLC150-1 S-1



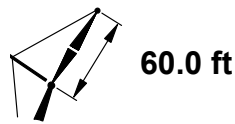
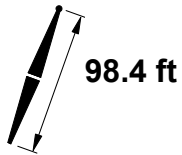
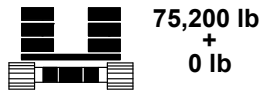
	5°							15°							
			0°								0°				
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft	
39	78.8	153.5	36,800											39	
40	78.4	153.3	36,600											40	
42	77.6	152.7	36,300	30,000										42	
44	76.8	152.2	35,900	29,700	25,600									44	
46	76.0	151.6	35,500	29,600	25,400									46	
47	75.6	151.3	35,300	29,400	25,300	22,200								47	
48	75.3	151.1	35,200	29,300	25,200	22,100								48	
49	74.9	150.7	34,900	29,200	25,100	22,100	78.9	149.4	32,400					49	
50	74.5	150.4	34,700	29,100	25,000	22,000	78.5	149.1	32,100					50	
52	73.6	149.7	34,300	28,800	24,800	21,900	77.7	148.4	31,900	27,400				52	
54	72.8	149.1	33,900	28,600	24,600	21,700	76.9	147.7	31,600	27,300	23,800			54	
55	72.4	148.7	33,700	28,500	24,500	21,600	76.5	147.4	31,400	27,200	23,700			55	
57	71.6	148.0	33,300	28,200	24,400	21,500	75.6	146.6	31,100	27,000	23,600	20,900		57	
59	70.8	147.2	32,900	28,000	24,200	21,400	74.8	145.8	30,800	26,800	23,500	20,700		59	
60	70.4	146.8	32,700	27,900	24,100	21,300	74.4	145.5	30,700	26,700	23,400	20,700		60	
62	69.6	146.0	32,400	27,700	24,000	21,200	73.6	144.6	30,400	26,500	23,300	20,600		62	
64	68.8	145.1	32,100	27,500	23,800	21,000	72.7	143.8	30,100	26,300	23,200	20,500		64	
65	68.3	144.7	31,900	27,300	23,700	21,000	72.3	143.3	30,000	26,200	23,100	20,500		65	
66	67.9	144.2	31,700	27,200	23,600	20,900	71.9	142.9	29,800	26,100	23,000	20,400		66	
70	66.2	142.4	31,000	26,800	23,300	20,600	70.2	141.0	29,300	25,700	22,800	20,300		70	
75	64.1	139.8	30,200	26,300	23,000	20,400	68.0	138.4	27,800	25,200	22,400	20,100		75	
80	61.9	137.0	29,000	25,700	22,600	20,100	65.8	135.6	26,400	24,800	22,200	19,800		80	
85	59.7	134.0	26,600	25,100	22,200	19,800	63.6	132.5	25,200	24,300	21,900	19,600		85	
90	57.4	130.7	24,500	23,500	21,900	19,600	61.3	129.1	24,100	23,800	21,500	19,400		90	
95	55.1	127.0	22,700	21,700	20,800	19,300	58.9	125.4	23,000	22,300	21,200	19,300		95	
100	52.6	123.1	21,000	20,200	19,400	18,600	56.4	121.4	21,500	20,700	19,800	19,100		100	
105	50.1	118.7	19,500	18,800	18,100	17,400	53.9	117.0	20,000	19,200	18,500	17,800		105	
110	47.5	114.0	18,200	17,500	16,900	16,300	51.2	112.2	18,600	17,900	17,300	16,600		110	
115	44.8	108.8	16,900	16,300	15,800	15,200	48.4	106.9	17,300	16,700	16,100	15,600		115	
120	41.9	103.1	15,800	15,300	14,800	14,300	45.5	101.1	16,200	15,600	15,100	14,600		120	
125	38.8	96.7	14,800	14,300	13,900	13,400	42.3	94.6	15,100	14,600	14,200	13,700		125	
130	35.5	89.5	13,900	13,500	13,100	12,700	38.9	87.2	14,100	13,700	13,300	12,900		130	
135	31.8	81.3	13,000	12,600	12,300	11,900	35.1	78.7	13,200	12,800	12,500	12,100		135	
139	28.5	73.7	12,300	12,000	11,700	11,400	31.7	70.7	12,500	12,200	11,900	11,600		139	
140	27.7	71.7	12,200	11,900	11,600		30.8	68.7	12,400	12,000	11,700	11,400		140	
141	26.8	69.6	12,000	11,700			29.8	66.2	12,200	11,900	11,600	11,300		141	
142	25.9	67.4	11,900				28.8	63.7	12,000	11,700	11,400	11,100		142	
143							27.8	61.3	11,900	11,600	11,300			143	
144							26.7	58.8	11,700	11,400				144	
145							25.7	56.3	11,600					145	

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
39							39
40							40
42							42
44							44
46							46
47							47
48							48
49							49
50							50
52							52
54							54
55							55
57							57
59	79.0	142.9	22,700				59
60	78.5	142.4	22,500				60
62	77.7	141.6	22,000	21,700			62
64	76.8	140.7	21,600	21,300	20,700		64
65	76.4	140.3	21,400	21,100	20,600		65
66	76.0	139.8	21,200	20,900	20,400	18,500	66
70	74.2	137.9	20,500	20,100	19,900	18,400	70
75	72.0	135.2	19,600	19,300	19,100	18,100	75
80	69.8	132.3	18,800	18,500	18,300	18,000	80
85	67.5	129.2	18,100	17,800	17,600	17,400	85
90	65.1	125.7	17,400	17,200	17,000	16,800	90
95	62.6	121.9	16,800	16,600	16,400	16,300	95
100	60.1	117.8	16,200	16,100	15,900	15,700	100
105	57.5	113.2	15,700	15,600	15,400	15,300	105
110	54.7	108.2	15,300	15,100	14,900	14,800	110
115	51.8	102.7	14,800	14,700	14,500	14,400	115
120	48.7	96.6	14,400	14,300	14,200	14,000	120
125	45.4	89.7	14,100	14,000	13,800	13,700	125
130	41.7	81.9	13,800	13,700	13,500	13,100	130
135	37.7	72.7	13,400	13,000	12,700	12,300	135
139	33.9	63.9	12,600	12,300	12,000	11,700	139
140	32.9	61.6	12,500	12,200	11,800	11,500	140
141	31.7	58.8	12,300	12,000	11,700	11,400	141
142	30.6	56.0	12,100	11,800	11,500	11,300	142
143	29.4	53.2	11,900	11,700	11,400	11,100	143
144	28.2	50.4	11,800	11,500	11,200	11,000	144
145							145

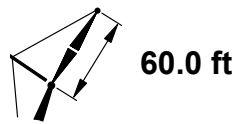
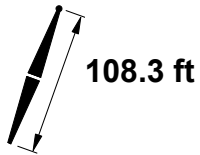
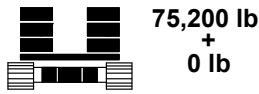
# MLC150-1 S-1



	5°							15°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
41	78.8	163.1	36,600												41
42	78.4	162.9	36,400												42
44	77.7	162.4	36,100	29,800											44
46	76.9	161.9	35,700	29,600	25,400										46
48	76.2	161.3	35,400	29,400	25,200										48
49	75.8	161.0	35,200	29,300	25,100	22,100									49
50	75.4	160.7	35,000	29,100	25,000	22,000									50
51	75.1	160.4	34,800	29,000	25,000	22,000	78.9	159.0	32,200						51
54	73.9	159.4	34,300	28,700	24,800	21,700	77.7	158.1	31,800	27,400					54
55	73.6	159.1	34,100	28,600	24,700	21,700	77.3	157.7	31,600	27,300					55
56	73.2	158.8	33,900	28,500	24,600	21,600	77.0	157.4	31,500	27,200	23,700				56
59	72.0	157.7	33,400	28,200	24,300	21,500	75.8	156.3	31,100	27,000	23,500	20,800			59
60	71.7	157.4	33,200	28,000	24,200	21,400	75.4	156.0	30,900	26,900	23,500	20,800			60
61	71.3	157.0	33,000	27,900	24,200	21,300	75.0	155.6	30,800	26,800	23,400	20,700			61
64	70.1	155.8	32,500	27,600	23,900	21,100	73.9	154.4	30,400	26,500	23,300	20,600			64
65	69.8	155.4	32,400	27,600	23,800	21,100	73.5	154.0	30,300	26,400	23,200	20,500			65
66	69.4	155.0	32,200	27,400	23,800	21,000	73.1	153.5	30,200	26,300	23,100	20,500			66
69	68.2	153.7	31,700	27,100	23,500	20,800	71.9	152.2	29,800	26,000	23,000	20,400			69
70	67.8	153.3	31,500	27,000	23,500	20,800	71.5	151.8	29,700	25,900	22,900	20,400			70
75	65.8	150.9	30,800	26,600	23,200	20,500	69.5	149.4	28,900	25,500	22,600	20,200			75
80	63.8	148.3	28,700	26,000	22,800	20,200	67.5	146.8	27,500	25,000	22,400	20,000			80
85	61.8	145.5	26,300	24,900	22,500	20,000	65.4	144.0	26,200	24,600	22,100	19,800			85
90	59.7	142.5	24,100	23,000	21,900	19,700	63.3	140.9	24,800	23,600	21,800	19,600			90
95	57.5	139.2	22,300	21,200	20,300	19,400	61.2	137.6	22,900	21,900	20,900	19,400			95
100	55.4	135.6	20,600	19,700	18,800	18,000	58.9	133.9	21,200	20,300	19,400	18,500			100
105	53.1	131.7	19,100	18,300	17,500	16,800	56.6	130.0	19,600	18,800	18,000	17,300			105
110	50.8	127.5	17,800	17,000	16,400	15,700	54.3	125.7	18,200	17,500	16,800	16,100			110
115	48.3	122.9	16,500	15,900	15,300	14,700	51.8	121.0	17,000	16,300	15,700	15,100			115
120	45.8	117.9	15,400	14,800	14,300	13,800	49.2	116.0	15,800	15,200	14,700	14,100			120
125	43.2	112.4	14,400	13,900	13,400	12,900	46.5	110.4	14,800	14,200	13,700	13,200			125
130	40.4	106.4	13,500	13,000	12,500	12,100	43.7	104.2	13,800	13,300	12,800	12,400			130
135	37.4	99.7	12,600	12,200	11,800	11,400	40.6	97.4	12,900	12,400	12,000	11,600			135
140	34.2	92.2	11,800	11,400	11,100	10,700	37.3	89.6	12,000	11,700	11,300	10,900			140
145	30.6	83.6	11,000	10,700	10,400	10,100	33.7	80.8	11,200	10,900	10,600	10,300			145
148	28.2	77.6	10,600	10,300	10,000	9,700	31.2	74.5	10,800	10,500	10,200	9,900			148
149	27.4	75.6	10,500	10,200	9,900		30.3	72.4	10,600	10,300	10,100	9,800			149
150	26.6	73.6	10,300	10,100			29.5	70.3	10,500	10,200	9,900	9,600			150
151	25.7	71.3	10,200				28.5	67.8	10,400	10,100	9,800	9,500			151
152							27.5	65.2	10,200	9,900	9,700				152
153							26.5	62.7	10,100	9,800					153
154							25.6	60.2	9,900						154

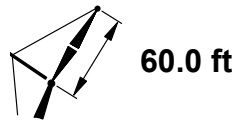
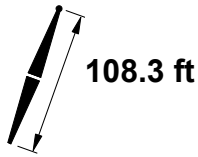
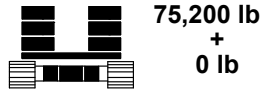


# MLC150-1 S-1



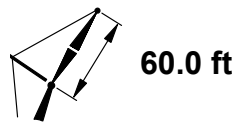
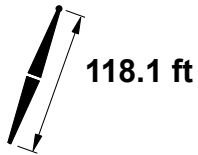
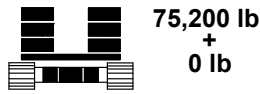
ft	5°							15°							ft
	°	ft	lb				°	ft	lb						
			0°	1°	2°	3°			0°	1°	2°	3°			
43	78.7	172.8	36,300											43	
44	78.4	172.5	36,200											44	
46	77.7	172.0	35,800	29,700										46	
48	77.0	171.5	35,500	29,400	25,300									48	
50	76.3	171.0	35,200	29,200	25,100									50	
51	76.0	170.7	35,000	29,100	25,000	22,000								51	
53	75.3	170.1	34,700	28,900	24,900	21,900	78.8	168.7	32,100					53	
55	74.6	169.5	34,400	28,700	24,700	21,700	78.1	168.1	31,800					55	
56	74.2	169.1	34,200	28,600	24,600	21,600	77.8	167.7	31,700	27,300				56	
59	73.1	168.2	33,700	28,300	24,400	21,500	76.7	166.7	31,300	27,000	23,500			59	
60	72.8	167.8	33,500	28,200	24,300	21,400	76.3	166.4	31,200	26,900	23,500			60	
61	72.4	167.5	33,300	28,100	24,300	21,400	76.0	166.0	31,000	26,800	23,500	20,800		61	
63	71.7	166.7	33,000	27,900	24,100	21,300	75.2	165.3	30,800	26,700	23,400	20,700		63	
65	71.0	166.0	32,700	27,700	24,000	21,200	74.5	164.5	30,500	26,500	23,300	20,600		65	
66	70.6	165.6	32,500	27,600	23,900	21,100	74.1	164.1	30,400	26,400	23,200	20,500		66	
69	69.5	164.4	32,000	27,400	23,700	20,900	73.0	162.9	30,100	26,200	23,000	20,500		69	
70	69.2	164.0	31,900	27,300	23,600	20,900	72.7	162.5	29,900	26,100	23,000	20,400		70	
71	68.8	163.5	31,700	27,200	23,500	20,800	72.3	162.1	29,800	26,000	22,900	20,400		71	
75	67.3	161.8	31,200	26,700	23,200	20,600	70.8	160.3	29,400	25,700	22,700	20,200		75	
80	65.5	159.4	28,400	26,300	23,000	20,300	68.9	157.9	28,500	25,300	22,400	20,000		80	
85	63.6	156.8	26,000	24,600	22,600	20,100	67.0	155.2	26,800	24,900	22,200	19,900		85	
90	61.6	154.0	23,800	22,600	21,500	19,800	65.1	152.4	24,600	23,300	22,000	19,700		90	
95	59.7	150.9	22,000	20,900	19,900	18,900	63.1	149.3	22,700	21,500	20,500	19,500		95	
100	57.7	147.7	20,300	19,300	18,400	17,600	61.1	146.0	20,900	19,900	19,000	18,100		100	
105	55.6	144.1	18,800	18,000	17,100	16,400	59.0	142.4	19,400	18,500	17,700	16,900		105	
110	53.5	140.3	17,500	16,700	16,000	15,300	56.8	138.5	18,000	17,200	16,500	15,700		110	
115	51.3	136.1	16,200	15,600	14,900	14,300	54.6	134.3	16,700	16,000	15,300	14,700		115	
120	49.0	131.7	15,100	14,500	13,900	13,300	52.3	129.8	15,600	14,900	14,300	13,700		120	
125	46.7	126.8	14,100	13,500	13,000	12,500	49.9	124.9	14,500	13,900	13,400	12,900		125	
130	44.3	121.6	13,200	12,700	12,200	11,700	47.5	119.5	13,500	13,000	12,500	12,000		130	
135	41.7	115.8	12,300	11,900	11,400	11,000	44.8	113.7	12,600	12,200	11,700	11,300		135	
140	39.0	109.5	11,500	11,100	10,700	10,300	42.1	107.2	11,800	11,400	11,000	10,600		140	
145	36.1	102.5	10,800	10,400	10,000	9,700	39.1	100.0	11,000	10,600	10,300	9,900		145	
150	33.0	94.7	10,100	9,700	9,400	9,100	35.9	92.0	10,300	10,000	9,600	9,300		150	
155	29.5	85.7	9,400	9,100	8,800	8,500	32.3	82.8	9,600	9,300	9,000	8,700		155	
157	28.0	81.6	9,200	8,900	8,600	8,300	30.7	78.4	9,300	9,100	8,800	8,500		157	
158	27.2	79.5	9,100	8,800	8,500		29.9	76.2	9,200	8,900	8,700	8,400		158	
159	26.4	77.4	8,900	8,700			29.1	74.0	9,100	8,800	8,500	8,300		159	
160	25.6	75.3	8,800				28.3	71.8	8,900	8,700	8,400	8,200		160	
161							27.3	69.2	8,800	8,600	8,300			161	
162							26.4	66.7	8,700	8,400				162	
163							25.4	64.1	8,600					163	

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
43							43
44							44
46							46
48							48
50							50
51							51
53							53
55							55
56							56
59							59
60							60
61							61
63	78.9	162.1	22,600				63
65	78.1	161.3	22,300				65
66	77.8	160.9	22,100	21,700			66
69	76.6	159.7	21,500	21,200	20,900		69
70	76.3	159.2	21,300	21,000	20,700		70
71	75.9	158.8	21,200	20,800	20,600	19,800	71
75	74.4	157.0	20,500	20,200	19,900	19,700	75
80	72.5	154.5	19,700	19,400	19,200	19,000	80
85	70.5	151.8	19,000	18,700	18,500	18,300	85
90	68.5	148.9	18,400	18,100	17,900	17,700	90
95	66.5	145.8	17,700	17,600	17,400	17,100	95
100	64.4	142.3	17,200	17,000	16,800	16,600	100
105	62.2	138.7	16,700	16,500	16,300	16,200	105
110	60.0	134.7	16,200	16,100	15,900	15,700	110
115	57.7	130.3	15,700	15,600	15,400	15,100	115
120	55.4	125.6	15,400	15,200	14,700	14,100	120
125	52.9	120.5	14,900	14,300	13,800	13,200	125
130	50.3	115.0	13,900	13,400	12,900	12,400	130
135	47.6	108.8	12,900	12,500	12,000	11,600	135
140	44.7	102.1	12,100	11,600	11,200	10,800	140
145	41.5	94.5	11,200	10,900	10,500	10,100	145
150	38.1	85.9	10,500	10,100	9,800	9,500	150
155	34.2	75.8	9,700	9,400	9,100	8,800	155
157	32.4	70.9	9,400	9,200	8,900	8,600	157
158	31.5	68.4	9,300	9,000	8,800	8,500	158
159	30.5	66.0	9,200	8,900	8,600	8,400	159
160	29.6	63.6	9,000	8,800	8,500	8,300	160
161	28.6	60.7	8,900	8,600	8,400	8,100	161
162							162
163							163

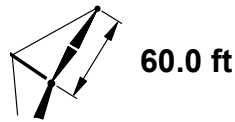
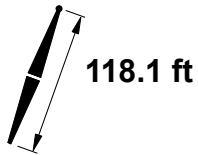
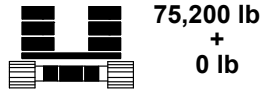
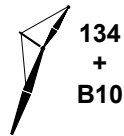
# MLC150-1 S-1



ft	5°							15°							ft
	°	ft	lb				°	ft	lb						
			0°	1°	2°	3°			0°	1°	2°	3°			
45	78.7	182.4	36,000											45	
46	78.4	182.2	35,800											46	
48	77.7	181.7	35,500	29,400										48	
50	77.1	181.2	35,300	29,200										50	
51	76.7	180.9	35,100	29,100	25,000									51	
54	75.8	180.0	34,700	28,800	24,800	21,800								54	
55	75.4	179.8	34,500	28,700	24,700	21,700	78.8	178.3	31,900					55	
58	74.4	178.8	34,100	28,500	24,500	21,500	77.8	177.4	31,500	27,100				58	
60	73.8	178.2	33,800	28,300	24,400	21,400	77.1	176.7	31,300	27,000				60	
61	73.4	177.9	33,600	28,200	24,300	21,400	76.8	176.4	31,200	26,900	23,400			61	
64	72.4	176.8	33,100	27,900	24,100	21,200	75.8	175.3	30,900	26,700	23,300	20,600		64	
65	72.1	176.5	33,000	27,800	24,000	21,100	75.4	175.0	30,800	26,700	23,300	20,600		65	
68	71.1	175.4	32,500	27,600	23,800	21,000	74.4	173.9	30,400	26,400	23,100	20,500		68	
70	70.4	174.6	32,200	27,400	23,700	20,900	73.7	173.1	30,200	26,300	23,000	20,400		70	
71	70.0	174.2	31,900	27,300	23,600	20,800	73.4	172.7	30,100	26,200	22,900	20,400		71	
74	69.0	173.0	31,100	27,000	23,400	20,700	72.3	171.4	29,800	25,900	22,800	20,300		74	
75	68.7	172.5	30,800	26,900	23,300	20,600	72.0	171.0	29,700	25,900	22,800	20,200		75	
80	66.9	170.3	28,000	26,300	23,000	20,400	70.2	168.8	29,000	25,500	22,500	20,100		80	
85	65.1	167.9	25,600	24,100	22,700	20,200	68.4	166.3	26,500	24,900	22,300	19,900		85	
90	63.4	165.3	23,500	22,200	20,900	19,800	66.6	163.7	24,300	22,900	21,700	19,800		90	
95	61.5	162.5	21,600	20,400	19,400	18,300	64.8	160.8	22,300	21,200	20,000	19,000		95	
100	59.7	159.4	19,900	18,900	17,900	17,000	62.9	157.8	20,600	19,600	18,600	17,600		100	
105	57.8	156.2	18,400	17,500	16,600	15,800	61.0	154.5	19,100	18,100	17,200	16,400		105	
110	55.8	152.6	17,100	16,300	15,500	14,700	59.0	150.9	17,700	16,800	16,000	15,200		110	
115	53.8	148.9	15,900	15,100	14,400	13,700	57.0	147.1	16,400	15,600	14,900	14,200		115	
120	51.8	144.8	14,700	14,100	13,400	12,800	54.9	143.0	15,200	14,500	13,900	13,300		120	
125	49.7	140.4	13,700	13,100	12,500	12,000	52.8	138.5	14,200	13,500	13,000	12,400		125	
130	47.5	135.7	12,800	12,200	11,700	11,200	50.5	133.8	13,200	12,600	12,100	11,600		130	
135	45.2	130.6	11,900	11,400	10,900	10,500	48.2	128.6	12,300	11,800	11,300	10,800		135	
140	42.8	125.1	11,100	10,700	10,200	9,800	45.8	123.0	11,500	11,000	10,500	10,100		140	
145	40.4	119.1	10,400	10,000	9,600	9,200	43.3	116.8	10,700	10,300	9,800	9,500		145	
150	37.7	112.5	9,700	9,300	8,900	8,600	40.6	110.1	9,900	9,600	9,200	8,800		150	
155	34.9	105.2	9,000	8,700	8,400	8,000	37.7	102.6	9,300	8,900	8,600	8,300		155	
160	31.9	97.1	8,400	8,100	7,800	7,500	34.6	94.2	8,600	8,300	8,000	7,700		160	
165	28.5	87.8	7,800	7,600	7,300	7,000	31.1	84.6	8,000	7,700	7,500	7,200		165	
167	27.0	83.5	7,600	7,400	7,100		29.5	80.1	7,800	7,500	7,300	7,000		167	
168	26.3	81.4	7,500	7,300			28.7	77.8	7,700	7,400	7,200	6,900		168	
169	25.5	79.3	7,400				27.9	75.5	7,600	7,300	7,100			169	
170							27.1	73.3	7,400	7,200	7,000			170	
171							26.2	70.6	7,300	7,100				171	
172							25.3	68.0	7,200					172	

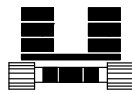


# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
45							45
46							46
48							48
50							50
51							51
54							54
55							55
58							58
60							60
61							61
64							64
65	78.8	171.7	22,600				65
68	77.8	170.5	22,100	21,700			68
70	77.1	169.8	21,800	21,400			70
71	76.7	169.3	21,600	21,200	20,900		71
74	75.7	168.1	21,100	20,700	20,500	19,700	74
75	75.3	167.7	20,900	20,600	20,300	19,700	75
80	73.5	165.3	20,200	19,900	19,600	19,300	80
85	71.7	162.8	19,400	19,200	18,900	18,800	85
90	69.9	160.1	18,800	18,600	18,300	18,100	90
95	68.0	157.2	18,200	18,000	17,800	17,600	95
100	66.0	154.1	17,700	17,500	17,300	17,000	100
105	64.1	150.7	17,100	16,900	16,700	16,600	105
110	62.1	147.1	16,600	16,500	16,300	15,800	110
115	60.0	143.1	16,200	16,000	15,400	14,700	115
120	57.8	138.9	15,700	15,000	14,400	13,700	120
125	55.6	134.3	14,600	14,000	13,400	12,800	125
130	53.3	129.4	13,600	13,000	12,500	11,900	130
135	50.9	124.0	12,600	12,100	11,600	11,100	135
140	48.4	118.1	11,800	11,300	10,800	10,400	140
145	45.8	111.7	10,900	10,500	10,100	9,700	145
150	42.9	104.6	10,200	9,800	9,400	9,100	150
155	39.9	96.7	9,500	9,100	8,800	8,400	155
160	36.5	87.7	8,800	8,500	8,200	7,900	160
165	32.7	77.2	8,100	7,800	7,600	7,300	165
167	30.9	72.1	7,900	7,600	7,400	7,100	167
168	30.0	69.5	7,700	7,500	7,200	7,000	168
169	29.1	67.0	7,600	7,400	7,100	6,900	169
170	28.2	64.4	7,500	7,200	7,000	6,800	170
171							171
172							172

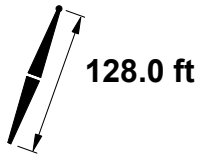
# MLC150-1 S-1



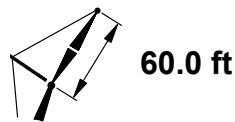
75,200 lb  
+  
0 lb



360°



128.0 ft

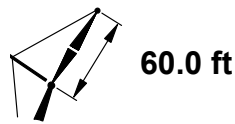
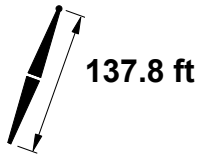
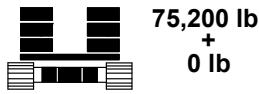


60.0 ft

	5°							15°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
46	79.0	192.3	35,800											46
48	78.4	191.8	35,600											48
50	77.8	191.3	35,300	29,200										50
53	76.8	190.5	34,900	28,900	24,800									53
55	76.2	190.0	34,600	28,700	24,700									55
56	75.9	189.7	34,500	28,600	24,600	21,600								56
57	75.6	189.4	34,300	28,500	24,600	21,500	78.8	187.9	31,700					57
60	74.6	188.5	33,900	28,300	24,300	21,400	77.8	187.0	31,500	27,000				60
63	73.7	187.5	33,500	28,000	24,100	21,300	76.9	186.0	31,100	26,800	23,300			63
65	73.0	186.9	33,200	27,800	24,000	21,200	76.2	185.4	30,900	26,600	23,200			65
66	72.7	186.5	33,100	27,700	24,000	21,100	75.9	185.0	30,800	26,600	23,200	20,500		66
67	72.4	186.2	32,900	27,700	23,900	21,100	75.6	184.7	30,700	26,500	23,200	20,500		67
70	71.4	185.1	32,500	27,400	23,700	20,900	74.6	183.6	30,300	26,300	23,000	20,400		70
73	70.5	184.0	31,300	27,200	23,500	20,700	73.6	182.4	30,000	26,100	22,900	20,300		73
75	69.8	183.2	30,500	27,100	23,400	20,700	73.0	181.7	29,800	25,900	22,800	20,200		75
76	69.5	182.8	29,900	26,800	23,300	20,600	72.6	181.2	29,600	25,900	22,800	20,200		76
80	68.2	181.1	27,700	25,900	23,100	20,400	71.3	179.5	28,700	25,600	22,600	20,100		80
85	66.5	178.8	25,200	23,700	22,200	20,200	69.6	177.2	26,200	24,600	22,400	20,000		85
90	64.9	176.4	23,100	21,700	20,500	19,300	68.0	174.8	24,000	22,600	21,300	19,800		90
95	63.2	173.8	21,200	20,000	18,900	17,800	66.2	172.1	22,000	20,800	19,600	18,500		95
100	61.4	170.9	19,600	18,500	17,500	16,500	64.5	169.3	20,300	19,200	18,100	17,200		100
105	59.7	167.9	18,100	17,100	16,200	15,300	62.7	166.2	18,700	17,700	16,800	15,900		105
110	57.9	164.6	16,700	15,800	15,000	14,200	60.9	162.9	17,300	16,400	15,600	14,800		110
115	56.0	161.2	15,500	14,700	13,900	13,200	59.0	159.4	16,100	15,300	14,500	13,800		115
120	54.1	157.4	14,400	13,700	13,000	12,300	57.1	155.6	14,900	14,200	13,500	12,800		120
125	52.2	153.4	13,400	12,700	12,100	11,500	55.2	151.6	13,900	13,200	12,600	11,900		125
130	50.2	149.2	12,400	11,800	11,300	10,700	53.2	147.2	12,900	12,300	11,700	11,100		130
135	48.2	144.6	11,600	11,000	10,500	10,000	51.1	142.6	12,000	11,400	10,900	10,400		135
140	46.1	139.6	10,800	10,300	9,800	9,300	48.9	137.6	11,100	10,600	10,200	9,700		140
145	43.9	134.3	10,000	9,600	9,100	8,700	46.7	132.2	10,400	9,900	9,500	9,000		145
150	41.5	128.5	9,300	8,900	8,500	8,100	44.3	126.3	9,600	9,200	8,800	8,400		150
155	39.1	122.3	8,700	8,300	7,900	7,600	41.9	119.9	9,000	8,600	8,200	7,800		155
160	36.6	115.4	8,100	7,700	7,400	7,100	39.3	112.9	8,300	8,000	7,600	7,300		160
165	33.8	107.8	7,500	7,200	6,900	6,600	36.4	105.1	7,700	7,400	7,100	6,800		165
170	30.9	99.4	7,000	6,700	6,400	6,100	33.4	96.4	7,200	6,900	6,600	6,300		170
174	28.2	91.7	6,600	6,300	6,000	5,800	30.7	88.4	6,700	6,500	6,200	5,900		174
175	27.6	89.7	6,500	6,200	6,000		30.0	86.4	6,600	6,400	6,100	5,900		175
177	26.2	85.4	6,300	6,000			28.4	81.7	6,400	6,200	5,900	5,700		177
178	25.4	83.2	6,200				27.7	79.3	6,300	6,100	5,800			178
179							26.9	77.0	6,200	6,000				179
180							26.1	74.6	6,100	5,900				180
181							25.2	71.9	6,000					181



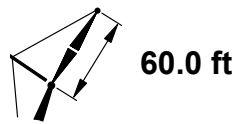
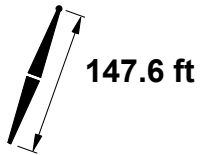
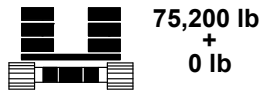
# MLC150-1 S-1



ft	5°							15°							ft
	°	ft	lb				°	ft	lb						
			0°	1°	2°	3°			0°	1°	2°	3°			
48	79.0	201.9	35,500											48	
50	78.4	201.4	35,200											50	
52	77.8	200.9	35,000	28,900										52	
55	76.9	200.2	34,600	28,700	24,600									55	
58	76.0	199.3	34,200	28,400	24,400	21,400								58	
59	75.7	199.1	34,100	28,400	24,400	21,400	78.7	197.6	31,600	24,400				59	
60	75.4	198.8	33,900	28,300	24,300	21,400	78.4	197.3	31,500					60	
62	74.8	198.2	33,700	28,100	24,200	21,300	77.8	196.6	31,300	26,900				62	
65	73.9	197.3	33,400	27,800	24,000	21,100	76.9	195.7	31,000	26,700	23,200			65	
69	72.7	195.9	32,800	27,500	23,800	20,900	75.7	194.4	30,600	26,400	23,000	20,400		69	
70	72.4	195.6	32,700	27,400	23,700	20,900	75.4	194.0	30,500	26,400	23,000	20,300		70	
72	71.8	194.9	31,600	27,300	23,600	20,800	74.8	193.3	30,300	26,200	22,900	20,300		72	
75	70.9	193.8	30,100	27,100	23,400	20,700	73.9	192.2	30,000	26,000	22,800	20,200		75	
78	69.9	192.6	28,400	26,100	23,200	20,500	72.9	191.0	29,000	25,800	22,700	20,100		78	
80	69.3	191.8	27,300	25,400	23,100	20,500	72.3	190.2	28,400	25,700	22,600	20,100		80	
85	67.8	189.7	24,900	23,200	21,700	20,200	70.7	188.0	25,900	24,200	22,400	19,900		85	
90	66.2	187.4	22,700	21,300	19,900	18,700	69.1	185.7	23,700	22,200	20,800	19,500		90	
95	64.6	184.9	20,900	19,600	18,400	17,300	67.5	183.2	21,700	20,400	19,200	18,000		95	
100	63.0	182.2	19,200	18,000	17,000	16,000	65.9	180.6	20,000	18,800	17,700	16,700		100	
105	61.3	179.4	17,700	16,700	15,700	14,800	64.2	177.7	18,400	17,400	16,400	15,400		105	
110	59.6	176.4	16,300	15,400	14,500	13,700	62.5	174.6	17,000	16,100	15,200	14,300		110	
115	57.9	173.1	15,100	14,300	13,500	12,700	60.8	171.4	15,700	14,900	14,100	13,300		115	
120	56.2	169.7	14,000	13,200	12,500	11,800	59.0	167.9	14,600	13,800	13,000	12,300		120	
125	54.4	166.0	13,000	12,300	11,600	11,000	57.2	164.2	13,500	12,800	12,100	11,500		125	
130	52.6	162.1	12,000	11,400	10,800	10,200	55.4	160.2	12,500	11,900	11,300	10,700		130	
135	50.7	157.9	11,200	10,600	10,000	9,500	53.5	155.9	11,600	11,000	10,500	9,900		135	
140	48.8	153.4	10,400	9,800	9,300	8,800	51.5	151.4	10,800	10,200	9,700	9,200		140	
145	46.8	148.6	9,600	9,100	8,700	8,200	49.5	146.5	10,000	9,500	9,000	8,600		145	
150	44.7	143.4	8,900	8,500	8,000	7,600	47.4	141.2	9,300	8,800	8,400	8,000		150	
155	42.6	137.9	8,300	7,900	7,500	7,100	45.3	135.6	8,600	8,200	7,800	7,400		155	
160	40.4	131.8	7,700	7,300	6,900	6,600	43.0	129.5	8,000	7,600	7,200	6,900		160	
165	38.0	125.3	7,100	6,800	6,400	6,100	40.6	122.8	7,400	7,000	6,700	6,400		165	
170	35.5	118.2	6,600	6,300	5,900	5,600	38.0	115.5	6,800	6,500	6,200	5,900		170	
175	32.8	110.4	6,100	5,800	5,500	5,200	35.3	107.5	6,300	6,000	5,700	5,400		175	
180	29.9	101.6	5,600	5,300	5,100	4,800	32.3	98.4	5,800	5,500	5,200	5,000		180	
183	28.0	95.6	5,300	5,100	4,800	4,600	30.3	92.2	5,500	5,200	5,000	4,700		183	
184	27.4	93.6	5,200	5,000	4,700		29.6	90.2	5,400	5,100	4,900	4,700		184	
185	26.7	91.6	5,100	4,900			29.0	88.1	5,300	5,000	4,800	4,600		185	
186	26.0	89.4	5,000	4,800			28.2	85.7	5,200	4,900	4,700	4,500		186	
187	25.4	87.2	5,000				27.4	83.2	5,100	4,900	4,600			187	
188							26.7	80.8	5,000	4,800				188	
190							25.2	75.9	4,800					190	

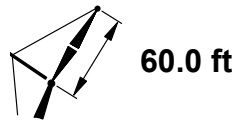
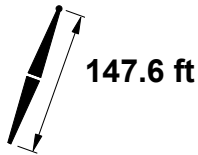
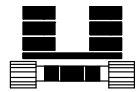


# MLC150-1 S-1



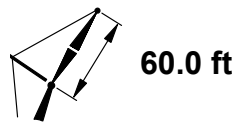
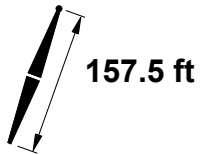
	5°							15°							
			0°								0°				
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft	
50	78.9	211.5	35,100											50	
54	77.8	210.6	34,700	28,700										54	
55	77.5	210.3	34,500	28,600										55	
57	77.0	209.8	34,300	28,400	24,400									57	
60	76.1	209.0	34,000	28,200	24,200									60	
61	75.8	208.7	33,800	28,100	24,200	21,200	78.7	207.2	31,400					61	
64	75.0	207.9	33,500	27,900	24,000	21,100	77.8	206.3	31,100	26,700				64	
65	74.7	207.6	33,400	27,800	23,900	21,000	77.6	206.0	31,000	26,600				65	
67	74.1	206.9	33,200	27,600	23,800	20,900	77.0	205.4	30,800	26,500	23,000			67	
70	73.3	206.0	32,800	27,400	23,600	20,800	76.1	204.4	30,600	26,300	22,900			70	
71	73.0	205.6	32,200	27,300	23,600	20,800	75.8	204.1	30,500	26,300	22,900	20,200		71	
74	72.1	204.6	30,400	27,100	23,400	20,700	75.0	203.0	30,200	26,100	22,800	20,100		74	
75	71.8	204.3	29,800	27,000	23,400	20,600	74.7	202.7	30,100	26,100	22,700	20,100		75	
77	71.2	203.5	28,700	26,200	23,300	20,500	74.1	201.9	29,300	25,900	22,700	20,100		77	
80	70.4	202.4	27,000	25,000	23,100	20,400	73.2	200.8	28,100	25,700	22,600	20,000		80	
81	70.1	202.0	26,500	24,600	22,700	20,300	72.9	200.4	27,600	25,400	22,500	20,000		81	
85	68.9	200.4	24,600	22,800	21,300	19,800	71.7	198.7	25,600	23,800	22,200	19,900		85	
90	67.4	198.2	22,400	20,900	19,500	18,200	70.2	196.6	23,400	21,800	20,400	19,100		90	
95	65.9	195.9	20,600	19,200	18,000	16,800	68.7	194.2	21,500	20,100	18,800	17,600		95	
100	64.4	193.4	18,900	17,700	16,500	15,500	67.1	191.7	19,700	18,500	17,300	16,200		100	
105	62.8	190.7	17,400	16,300	15,300	14,300	65.6	189.0	18,200	17,000	16,000	15,000		105	
110	61.2	187.9	16,000	15,000	14,100	13,300	64.0	186.1	16,700	15,700	14,800	13,900		110	
115	59.6	184.8	14,800	13,900	13,100	12,300	62.4	183.1	15,500	14,600	13,700	12,900		115	
120	58.0	181.6	13,700	12,900	12,100	11,400	60.7	179.8	14,300	13,500	12,700	12,000		120	
125	56.4	178.2	12,700	11,900	11,200	10,600	59.1	176.4	13,200	12,500	11,800	11,100		125	
130	54.7	174.6	11,700	11,000	10,400	9,800	57.4	172.7	12,300	11,600	10,900	10,300		130	
135	52.9	170.7	10,800	10,200	9,700	9,100	55.6	168.8	11,400	10,700	10,100	9,600		135	
140	51.2	166.5	10,000	9,500	8,900	8,400	53.8	164.6	10,500	9,900	9,400	8,900		140	
145	49.3	162.1	9,300	8,800	8,300	7,800	52.0	160.1	9,700	9,200	8,700	8,200		145	
150	47.5	157.5	8,600	8,100	7,700	7,200	50.1	155.4	9,000	8,500	8,100	7,600		150	
155	45.5	152.4	8,000	7,500	7,100	6,700	48.1	150.3	8,300	7,900	7,500	7,000		155	
160	43.5	147.1	7,400	7,000	6,600	6,200	46.1	144.8	7,700	7,300	6,900	6,500		160	
165	41.4	141.3	6,800	6,400	6,100	5,700	43.9	138.9	7,100	6,700	6,400	6,000		165	
170	39.3	135.0	6,300	5,900	5,600	5,300	41.7	132.6	6,600	6,200	5,900	5,500		170	
180	34.5	120.9	5,300	5,000	4,700	4,400	36.9	118.1	5,500	5,200	4,900	4,700		180	
190	29.1	103.7	4,400	4,200	3,900	3,600	31.3	100.4	4,600	4,300	4,100	3,800		190	
191	28.5	101.7	4,300	4,100	3,800	3,500	30.6	98.3	4,500	4,200	4,000	3,700		191	
193	27.2	97.5	4,200	3,900	3,600		29.3	94.0	4,300	4,100	3,800	3,500		193	
194	26.6	95.5	4,100	3,800			28.7	91.9	4,200	4,000	3,700	3,400		194	
195	26.0	93.4	4,000				28.0	89.7	4,100	3,900	3,600	3,300		195	
196	25.3	91.2	3,900				27.3	87.2	4,000	3,800	3,500			196	
197							26.6	84.8	3,900	3,700				197	
199							25.1	79.8	3,700					199	

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
50							50
54							54
55							55
57							57
60							60
61							61
64							64
65							65
67							67
70							70
71	78.8	200.6	22,600				71
74	77.9	199.5	22,100	21,700			74
75	77.6	199.1	21,900	21,600			75
77	77.0	198.4	21,600	21,300	21,000		77
80	76.1	197.2	21,200	20,900	20,700		80
81	75.8	196.8	21,100	20,800	20,500	17,700	81
85	74.6	195.2	20,600	20,300	20,000	17,700	85
90	73.0	192.9	19,900	19,700	19,400	17,700	90
95	71.5	190.5	19,400	19,100	18,800	17,700	95
100	69.9	188.0	18,900	18,600	18,100	17,000	100
105	68.3	185.2	18,300	17,800	16,700	15,700	105
110	66.7	182.3	17,500	16,400	15,500	14,600	110
115	65.0	179.2	16,100	15,200	14,300	13,500	115
120	63.4	175.8	14,900	14,100	13,300	12,500	120
125	61.7	172.3	13,800	13,000	12,300	11,600	125
130	59.9	168.5	12,800	12,100	11,400	10,800	130
135	58.1	164.5	11,800	11,200	10,600	10,000	135
140	56.3	160.2	11,000	10,400	9,800	9,300	140
145	54.4	155.6	10,200	9,600	9,100	8,600	145
150	52.4	150.7	9,400	8,900	8,400	8,000	150
155	50.4	145.4	8,700	8,200	7,800	7,400	155
160	48.3	139.8	8,000	7,600	7,200	6,800	160
165	46.0	133.7	7,400	7,000	6,600	6,300	165
170	43.7	127.0	6,800	6,400	6,100	5,800	170
180	38.6	111.8	5,700	5,400	5,100	4,800	180
190	32.6	92.8	4,700	4,400	4,200	3,900	190
191	31.9	90.5	4,600	4,300	4,100	3,800	191
193	30.5	85.7	4,400	4,100	3,900	3,600	193
194	29.8	83.4	4,300	4,000	3,800	3,500	194
195	29.0	81.0	4,200	4,000	3,700	3,400	195
196	28.3	78.4	4,100	3,800	3,600	3,300	196
197							197
199							199

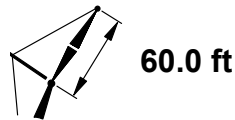
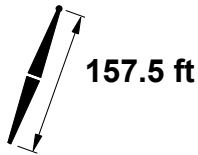
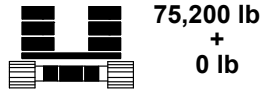
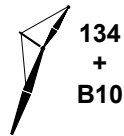
# MLC150-1 S-1



	5°							15°							
			0°								0°				
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft	
52	78.9	221.2	34,800											52	
55	78.1	220.5	34,400											55	
56	77.8	220.2	34,300	28,300										56	
60	76.8	219.2	33,800	28,000	24,100									60	
62	76.2	218.7	33,600	27,900	24,000			79.0	217.1	31,300				62	
63	75.9	218.4	33,500	27,800	23,900	20,400		78.7	216.8	31,200				63	
65	75.4	217.8	33,300	27,700	23,800	20,400		78.2	216.2	31,000				65	
66	75.1	217.5	33,200	27,600	23,700	20,400		77.9	215.9	30,900	26,500			66	
70	74.0	216.3	32,700	27,300	23,500	20,400		76.8	214.7	30,600	26,200	22,800		70	
73	73.2	215.3	30,800	27,100	23,400	20,300		75.9	213.7	30,300	26,100	22,700	19,100	73	
75	72.7	214.7	29,500	27,000	23,300	20,300		75.4	213.1	30,100	26,000	22,700	19,100	75	
76	72.4	214.3	28,900	26,500	23,200	20,300		75.1	212.7	29,700	25,900	22,600	19,100	76	
80	71.3	212.9	26,700	24,600	22,700	20,300		74.0	211.3	27,900	25,700	22,500	19,100	80	
83	70.4	211.8	25,200	23,300	21,500	19,700		73.1	210.1	26,300	24,400	22,100	19,100	83	
85	69.9	211.0	24,200	22,400	20,800	19,200		72.6	209.3	25,300	23,500	21,800	19,100	85	
90	68.5	208.9	22,100	20,500	19,000	17,700		71.2	207.3	23,100	21,500	20,000	18,600	90	
95	67.0	206.7	20,200	18,800	17,500	16,200		69.7	205.1	21,100	19,700	18,300	17,100	95	
100	65.6	204.4	18,500	17,200	16,100	15,000		68.3	202.7	19,400	18,100	16,900	15,800	100	
105	64.1	201.9	17,000	15,900	14,800	13,800		66.8	200.1	17,800	16,700	15,600	14,500	105	
110	62.7	199.2	15,600	14,600	13,700	12,800		65.3	197.4	16,400	15,400	14,400	13,400	110	
115	61.2	196.3	14,400	13,500	12,600	11,800		63.8	194.6	15,100	14,200	13,300	12,400	115	
120	59.6	193.3	13,300	12,400	11,600	10,900		62.2	191.5	14,000	13,100	12,300	11,500	120	
125	58.1	190.1	12,300	11,500	10,800	10,100		60.7	188.3	12,900	12,100	11,400	10,600	125	
130	56.5	186.7	11,300	10,600	9,900	9,300		59.1	184.8	11,900	11,200	10,500	9,800	130	
135	54.9	183.1	10,500	9,800	9,200	8,600		57.5	181.2	11,000	10,300	9,700	9,100	135	
140	53.2	179.3	9,700	9,100	8,500	7,900		55.8	177.3	10,200	9,600	9,000	8,400	140	
145	51.6	175.2	8,900	8,400	7,800	7,300		54.1	173.2	9,400	8,800	8,300	7,800	145	
150	49.8	170.9	8,200	7,700	7,200	6,800		52.3	168.8	8,700	8,100	7,600	7,200	150	
155	48.1	166.3	7,600	7,100	6,700	6,200		50.6	164.2	8,000	7,500	7,000	6,600	155	
160	46.2	161.4	7,000	6,500	6,100	5,700		48.7	159.2	7,400	6,900	6,500	6,100	160	
165	44.4	156.2	6,400	6,000	5,600	5,200		46.8	153.9	6,800	6,400	6,000	5,600	165	
170	42.4	150.6	5,900	5,500	5,100	4,800		44.8	148.2	6,200	5,800	5,500	5,100	170	
175	40.4	144.6	5,400	5,000	4,700	4,300		42.7	142.2	5,700	5,300	5,000	4,600	175	
180	38.2	138.1	4,900	4,600	4,200	3,800		40.6	135.6	5,200	4,800	4,500	4,100	180	
185	36.0	131.1	4,400	4,100	3,700	3,400		38.3	128.4	4,700	4,400	4,000	3,600	185	
190	33.6	123.5	3,900	3,600	3,300			35.8	120.6	4,200	3,800	3,500	3,200	190	
195	31.1	115.1	3,400	3,100				33.2	112.0	3,700	3,400	3,000		195	
200	28.3	105.8	3,000					30.3	102.3	3,200				200	

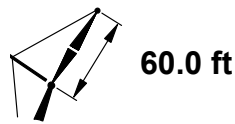
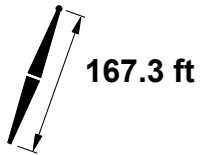
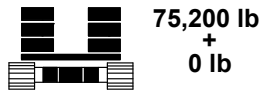


# MLC150-1 S-1



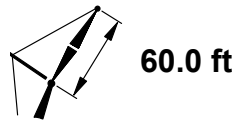
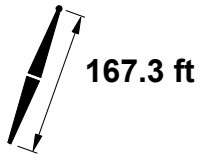
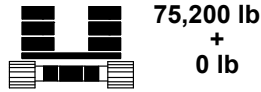
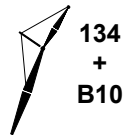
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
52							52
55							55
56							56
60							60
62							62
63							63
65							65
66							66
70							70
73	78.7	210.2	22,500				73
75	78.2	209.5	22,200				75
76	77.9	209.1	22,100	21,800			76
80	76.8	207.7	21,500	21,200	20,900		80
83	75.9	206.5	21,100	20,800	20,600	16,500	83
85	75.3	205.7	20,900	20,600	20,300	16,500	85
90	73.9	203.6	20,300	20,000	19,700	16,500	90
95	72.4	201.4	19,700	19,400	19,200	16,500	95
100	70.9	198.9	19,200	19,000	17,700	16,500	100
105	69.4	196.3	18,700	17,500	16,400	15,300	105
110	67.9	193.6	17,200	16,100	15,100	14,200	110
115	66.3	190.7	15,900	14,900	14,000	13,100	115
120	64.8	187.5	14,600	13,700	12,900	12,100	120
125	63.2	184.2	13,500	12,700	11,900	11,200	125
130	61.5	180.7	12,500	11,700	11,000	10,400	130
135	59.9	177.0	11,500	10,900	10,200	9,600	135
140	58.2	173.0	10,700	10,000	9,400	8,900	140
145	56.4	168.8	9,800	9,300	8,700	8,200	145
150	54.6	164.3	9,100	8,600	8,000	7,600	150
155	52.8	159.5	8,400	7,900	7,400	7,000	155
160	50.9	154.4	7,700	7,300	6,800	6,400	160
165	48.9	148.9	7,100	6,700	6,300	5,900	165
170	46.8	143.0	6,500	6,100	5,700	5,400	170
175	44.7	136.7	5,900	5,600	5,200	4,900	175
180	42.4	129.8	5,400	5,100	4,700	4,400	180
185	40.0	122.3	4,900	4,600	4,200	3,900	185
190	37.4	114.0	4,400	4,000	3,700	3,400	190
195	34.6	104.8	3,800	3,500	3,200		195
200	31.5	94.4	3,300	3,000			200

# MLC150-1 S-1



ft	5°							15°							ft
	°	ft	lb				°	ft	lb						
			0°	1°	2°	3°			0°	1°	2°	3°			
54	78.9	230.8	34,300											54	
55	78.6	230.6	34,200											55	
58	77.8	229.9	33,900	28,000										58	
60	77.3	229.4	33,700	27,900										60	
62	76.8	228.9	33,500	27,700	23,800									62	
64	76.3	228.3	33,300	27,600	23,700		78.9	226.7	31,100	23,700				64	
65	76.0	228.1	33,300	27,500	23,700		78.7	226.5	31,000					65	
66	75.8	227.8	33,100	27,500	23,600	18,900	78.4	226.2	30,900					66	
68	75.3	227.2	32,700	27,400	23,500	18,900	77.9	225.6	30,700	26,200				68	
70	74.7	226.6	32,400	27,300	23,400	18,900	77.4	225.0	30,600	26,200				70	
72	74.2	226.0	31,100	27,000	23,300	18,900	76.8	224.4	30,400	26,100	22,600			72	
74	73.7	225.4	29,800	26,800	23,300	18,900	76.3	223.7	30,300	26,000	22,600			74	
75	73.4	225.1	29,100	26,600	23,200	18,800	76.1	223.4	30,200	26,000	22,600			75	
76	73.2	224.7	28,600	26,100	23,000	18,800	75.8	223.1	29,700	25,800	22,500	17,700		76	
78	72.6	224.0	27,400	25,100	22,600	18,800	75.3	222.4	28,600	25,600	22,500	17,700		78	
80	72.1	223.4	26,300	24,200	22,200	18,800	74.7	221.7	27,600	25,400	22,400	17,700		80	
82	71.6	222.6	25,300	23,300	21,400	18,800	74.2	221.0	26,600	24,500	22,000	17,700		82	
85	70.8	221.5	23,900	22,000	20,300	18,700	73.4	219.9	25,000	23,100	21,300	17,700		85	
86	70.5	221.1	23,400	21,600	19,900	18,400	73.1	219.5	24,600	22,700	21,000	17,700		86	
90	69.4	219.6	21,700	20,100	18,500	17,100	72.0	217.9	22,800	21,100	19,500	17,700		90	
95	68.1	217.5	19,800	18,400	17,000	15,700	70.7	215.8	20,800	19,300	17,900	16,600		95	
100	66.7	215.3	18,200	16,800	15,600	14,500	69.3	213.6	19,100	17,700	16,500	15,300		100	
105	65.3	212.9	16,600	15,500	14,300	13,300	67.9	211.2	17,500	16,300	15,200	14,100		105	
110	63.9	210.4	15,300	14,200	13,200	12,300	66.5	208.6	16,100	15,000	14,000	13,000		110	
115	62.5	207.7	14,100	13,100	12,200	11,300	65.0	205.9	14,800	13,800	12,900	12,000		115	
120	61.1	204.8	12,900	12,000	11,200	10,400	63.6	203.0	13,600	12,700	11,900	11,100		120	
125	59.6	201.8	11,900	11,100	10,300	9,600	62.1	200.0	12,600	11,700	11,000	10,200		125	
130	58.1	198.6	11,000	10,200	9,500	8,800	60.6	196.8	11,600	10,800	10,100	9,400		130	
135	56.6	195.2	10,100	9,400	8,800	8,100	59.1	193.3	10,700	10,000	9,300	8,700		135	
140	55.1	191.6	9,300	8,700	8,100	7,500	57.6	189.7	9,800	9,200	8,600	8,000		140	
145	53.5	187.9	8,500	8,000	7,400	6,900	56.0	185.9	9,100	8,500	7,900	7,400		145	
150	51.9	183.8	7,900	7,300	6,800	6,300	54.3	181.8	8,300	7,800	7,300	6,800		150	
155	50.3	179.6	7,200	6,700	6,200	5,800	52.7	177.5	7,700	7,200	6,700	6,200		155	
160	48.6	175.1	6,600	6,100	5,700	5,300	51.0	173.0	7,000	6,600	6,100	5,700		160	
165	46.9	170.3	6,000	5,600	5,200	4,700	49.2	168.1	6,400	6,000	5,600	5,200		165	
170	45.1	165.2	5,500	5,100	4,600	4,200	47.4	163.0	5,900	5,500	5,100	4,600		170	
175	43.3	159.8	5,000	4,500	4,100	3,700	45.6	157.5	5,300	5,000	4,500	4,100		175	
180	41.3	154.0	4,400	4,000	3,600	3,200	43.6	151.6	4,800	4,400	4,000	3,600		180	
185	39.4	147.8	3,900	3,500	3,100		41.6	145.3	4,300	3,900	3,500	3,100		185	
190	37.3	141.1	3,400	3,000			39.5	138.5	3,700	3,400	3,000			190	
195							37.2	131.1	3,200					195	

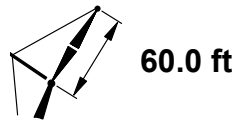
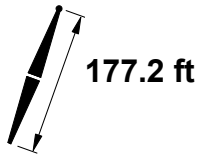
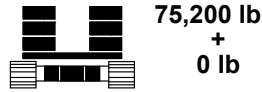
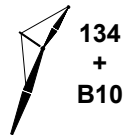
# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
54							54
55							55
58							58
60							60
62							62
64							64
65							65
66							66
68							68
70							70
72							72
74	79.0	220.2	22,700				74
75	78.7	219.8	22,600				75
76	78.4	219.5	22,400				76
78	77.9	218.8	22,100	21,800			78
80	77.4	218.1	21,900	21,500			80
82	76.8	217.3	21,600	21,200	19,800		82
85	76.0	216.2	21,200	20,800	19,800		85
86	75.7	215.8	21,100	20,700	19,800	15,300	86
90	74.6	214.2	20,600	20,300	19,800	15,300	90
95	73.2	212.1	20,000	19,800	18,900	15,300	95
100	71.8	209.8	19,500	18,600	17,400	15,300	100
105	70.4	207.3	18,400	17,200	16,000	14,900	105
110	69.0	204.7	16,900	15,800	14,700	13,700	110
115	67.5	202.0	15,600	14,600	13,600	12,700	115
120	66.0	199.0	14,400	13,400	12,500	11,700	120
125	64.5	195.9	13,200	12,400	11,600	10,800	125
130	63.0	192.6	12,200	11,400	10,700	10,000	130
135	61.4	189.1	11,300	10,500	9,900	9,200	135
140	59.9	185.4	10,400	9,700	9,100	8,500	140
145	58.2	181.5	9,600	9,000	8,400	7,800	145
150	56.6	177.4	8,800	8,200	7,700	7,200	150
155	54.9	172.9	8,100	7,600	7,100	6,600	155
160	53.1	168.3	7,400	6,900	6,500	6,000	160
165	51.3	163.3	6,800	6,300	5,900	5,500	165
170	49.4	157.9	6,200	5,800	5,400	5,000	170
175	47.5	152.3	5,600	5,300	4,900	4,400	175
180	45.5	146.2	5,100	4,700	4,300	3,900	180
185	43.4	139.6	4,600	4,200	3,800	3,400	185
190	41.2	132.5	4,000	3,600	3,200		190
195	38.8	124.7	3,400	3,100			195

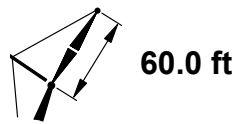
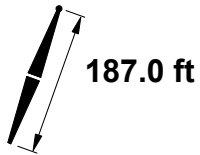
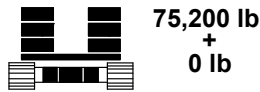


# MLC150-1 S-1



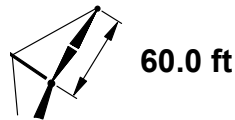
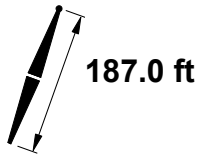
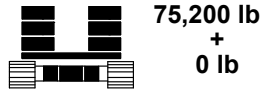
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
56							56
60							60
64							64
65							65
66							66
68							68
70							70
74							74
75							75
76	79.0	229.8	22,600				76
78	78.4	229.1	22,400				78
80	77.9	228.5	22,100	21,700			80
84	76.9	227.0	21,600	21,200	18,400		84
85	76.6	226.7	21,500	21,100	18,400		85
88	75.8	225.5	21,100	20,800	18,400	14,100	88
90	75.3	224.8	20,900	20,600	18,400	14,100	90
95	74.0	222.7	20,400	20,000	18,400	14,100	95
100	72.7	220.5	19,800	18,300	17,000	14,100	100
105	71.3	218.2	18,100	16,800	15,600	14,100	105
110	69.9	215.8	16,600	15,500	14,400	13,300	110
115	68.6	213.1	15,300	14,200	13,200	12,300	115
120	67.2	210.4	14,100	13,100	12,200	11,300	120
125	65.8	207.4	12,900	12,000	11,200	10,400	125
130	64.3	204.3	11,900	11,100	10,300	9,600	130
135	62.8	201.1	11,000	10,200	9,500	8,800	135
140	61.4	197.6	10,100	9,400	8,700	8,100	140
145	59.8	193.9	9,300	8,600	8,000	7,400	145
150	58.3	190.0	8,500	7,900	7,300	6,800	150
155	56.7	185.9	7,800	7,200	6,700	6,200	155
160	55.1	181.6	7,100	6,600	6,100	5,600	160
165	53.4	177.0	6,500	6,000	5,500	5,000	165
170	51.7	172.1	5,900	5,400	4,900	4,400	170
175	50.0	166.9	5,300	4,800	4,300	3,900	175
180	48.1	161.4	4,700	4,200	3,800	3,300	180
185	46.2	155.5	4,100	3,700	3,200		185
190	44.3	149.2	3,500	3,100			190
195	42.2	142.4	3,000				195

# MLC150-1 S-1



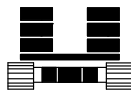
	5°							15°						
			75,200 lb + 0 lb						75,200 lb + 0 lb					
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
58	78.8	250.1	33,400											58
60	78.4	249.6	33,200											60
62	77.9	249.1	33,000	27,300										62
65	77.2	248.4	32,800	27,100										65
66	76.9	248.1	32,600	27,100	20,500									66
68	76.5	247.6	32,200	27,000	20,500			78.9	246.0	30,500				68
70	76.0	247.1	31,700	26,900	20,500	15,800		78.4	245.4	30,400				70
72	75.5	246.5	30,400	26,400	20,400	15,800		77.9	244.9	30,200	25,700			72
75	74.8	245.7	28,500	25,800	20,400	15,800		77.2	244.0	30,000	25,700			75
76	74.5	245.4	27,900	25,300	20,400	15,800		77.0	243.7	29,400	25,400	19,400		76
78	74.1	244.7	26,800	24,300	20,400	15,800		76.5	243.1	28,200	25,000	19,400		78
80	73.6	244.1	25,600	23,300	20,400	15,800		76.0	242.4	27,000	24,600	19,400	14,800	80
82	73.1	243.5	24,700	22,400	19,900	15,800		75.5	241.8	26,000	23,700	19,400	14,800	82
85	72.4	242.5	23,200	21,200	19,300	15,800		74.8	240.8	24,500	22,400	19,400	14,800	85
86	72.1	242.1	22,800	20,800	19,000	15,800		74.5	240.4	24,000	22,000	19,200	14,800	86
90	71.1	240.7	21,100	19,200	17,600	15,700		73.5	239.0	22,300	20,400	18,700	14,800	90
95	69.9	238.8	19,200	17,500	16,100	14,700		72.3	237.1	20,300	18,600	17,100	14,800	95
100	68.7	236.8	17,500	16,000	14,700	13,500		71.0	235.0	18,500	17,000	15,700	14,400	100
105	67.4	234.6	16,000	14,700	13,500	12,400		69.8	232.9	16,900	15,600	14,400	13,200	105
110	66.2	232.3	14,600	13,400	12,300	11,300		68.5	230.6	15,500	14,300	13,200	12,100	110
115	64.9	229.9	13,400	12,300	11,300	10,400		67.2	228.1	14,200	13,100	12,100	11,100	115
120	63.6	227.3	12,200	11,300	10,400	9,500		65.9	225.5	13,000	12,000	11,100	10,200	120
125	62.3	224.6	11,200	10,300	9,500	8,700		64.6	222.8	12,000	11,000	10,200	9,400	125
130	61.0	221.8	10,300	9,400	8,700	8,000		63.3	219.9	11,000	10,100	9,300	8,600	130
135	59.6	218.8	9,400	8,600	7,900	7,300		61.9	216.9	10,100	9,300	8,600	7,900	135
140	58.2	215.6	8,600	7,900	7,200	6,600		60.5	213.7	9,200	8,500	7,800	7,200	140
145	56.9	212.2	7,800	7,200	6,600	5,900		59.1	210.3	8,400	7,800	7,100	6,500	145
150	55.5	208.7	7,100	6,500	5,900	5,300		57.7	206.7	7,700	7,100	6,500	5,900	150
155	54.0	205.0	6,500	5,900	5,200	4,600		56.3	203.0	7,000	6,500	5,900	5,200	155
160	52.6	201.1	5,800	5,200	4,600	4,100		54.8	199.0	6,400	5,800	5,200	4,600	160
165	51.1	197.0	5,200	4,600	4,000	3,500		53.3	194.9	5,800	5,200	4,600	4,100	165
170	49.5	192.6	4,600	4,000	3,500	3,000		51.7	190.5	5,100	4,600	4,000	3,500	170
175	48.0	188.0	4,000	3,500	3,000			50.2	185.8	4,500	4,000	3,500	3,000	175
180	46.4	183.1	3,400					48.5	180.9	3,900	3,400			180
185								46.9	175.7	3,300				185
190														190

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
58							58
60							60
62							62
65							65
66							66
68							68
70							70
72							72
75							75
76							76
78	78.9	239.4	22,600				78
80	78.4	238.8	22,300				80
82	77.9	238.1	22,100	21,700			82
85	77.2	237.1	21,700	21,400			85
86	76.9	236.7	21,600	21,300	17,000		86
90	75.9	235.2	21,200	20,800	17,000	12,900	90
95	74.7	233.3	20,600	19,700	17,000	12,900	95
100	73.4	231.2	19,600	18,000	16,600	12,900	100
105	72.1	229.0	17,900	16,500	15,300	12,900	105
110	70.8	226.7	16,400	15,200	14,000	12,900	110
115	69.5	224.2	15,100	13,900	12,900	11,900	115
120	68.2	221.6	13,800	12,800	11,800	10,900	120
125	66.9	218.8	12,700	11,800	10,900	10,000	125
130	65.5	215.8	11,700	10,800	10,000	9,200	130
135	64.1	212.7	10,700	9,900	9,200	8,500	135
140	62.7	209.5	9,800	9,100	8,400	7,700	140
145	61.3	206.0	9,000	8,300	7,700	7,100	145
150	59.8	202.4	8,200	7,600	7,000	6,400	150
155	58.3	198.5	7,500	6,900	6,400	5,800	155
160	56.8	194.5	6,800	6,300	5,800	5,200	160
165	55.3	190.2	6,200	5,700	5,100	4,600	165
170	53.7	185.7	5,600	5,100	4,500	4,000	170
175	52.1	180.9	5,000	4,400	3,900	3,400	175
180	50.4	175.9	4,300	3,800	3,400		180
185	48.7	170.5	3,700	3,300			185
190	46.9	164.8	3,200				190

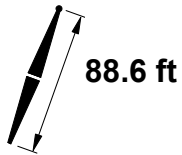
# MLC150-1 S-1



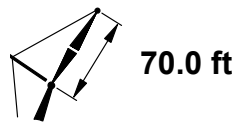
75,200 lb  
+  
0 lb



360°



88.6 ft

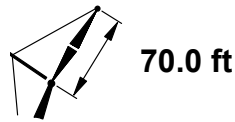
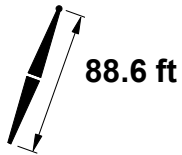
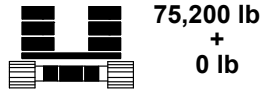
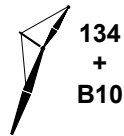


70.0 ft

	5°							15°						
			75,200 lb + 0 lb						75,200 lb + 0 lb					
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
40	79.0	163.6	31,400											40
42	78.3	163.1	31,000											42
43	77.9	162.9	30,800	24,500										43
44	77.5	162.6	30,700	24,500										44
46	76.8	162.1	30,300	24,400	19,700									46
48	76.0	161.5	29,900	24,400	19,600									48
49	75.7	161.2	29,800	24,300	19,600	16,400								49
50	75.3	161.0	29,600	24,300	19,600	16,400								50
53	74.2	160.0	29,100	24,200	19,600	16,300	78.6	158.7	27,200					53
55	73.4	159.4	28,700	24,200	19,500	16,300	77.9	158.1	27,000	23,100				55
58	72.3	158.3	28,300	24,000	19,500	16,300	76.7	157.0	26,600	22,800	19,900			58
60	71.5	157.6	27,900	23,800	19,500	16,300	76.0	156.3	26,300	22,600	19,900	16,600		60
65	69.6	155.6	27,200	23,200	19,400	16,300	74.0	154.3	25,600	22,200	19,600	16,600		65
67	68.8	154.8	26,900	23,000	19,400	16,200	73.2	153.4	25,400	22,000	19,400	16,600		67
70	67.7	153.5	26,400	22,700	19,300	16,200	72.1	152.1	25,000	21,700	19,200	16,600		70
72	66.9	152.5	26,200	22,500	19,300	16,200	71.3	151.2	24,800	21,500	19,100	16,600		72
75	65.7	151.1	25,800	22,200	19,300	16,200	70.1	149.8	24,400	21,300	18,900	16,600		75
80	63.7	148.6	25,100	21,600	19,100	16,100	68.1	147.2	23,800	20,900	18,600	16,600		80
85	61.7	145.8	24,400	21,100	18,800	16,100	66.0	144.3	22,800	20,500	18,300	16,500		85
90	59.6	142.7	23,800	20,700	18,400	16,000	63.9	141.3	21,700	20,100	18,000	16,200		90
95	57.4	139.4	22,800	20,200	18,000	16,000	61.7	137.9	20,700	19,700	17,700	16,000		95
100	55.2	135.8	21,200	19,900	17,700	15,900	59.5	134.3	19,800	19,400	17,500	15,800		100
105	53.0	132.0	19,700	18,900	17,400	15,800	57.2	130.4	19,000	18,800	17,200	15,600		105
110	50.7	127.8	18,300	17,600	16,900	15,500	54.9	126.1	18,200	18,100	17,000	15,400		110
115	48.2	123.2	17,100	16,500	15,900	15,200	52.4	121.5	17,600	16,900	16,300	15,300		115
120	45.7	118.2	16,000	15,400	14,900	14,300	49.8	116.4	16,400	15,800	15,300	14,700		120
125	43.1	112.7	15,000	14,500	14,000	13,500	47.2	110.8	15,400	14,900	14,300	13,900		125
130	40.3	106.7	14,100	13,600	13,200	12,700	44.3	104.7	14,400	13,900	13,500	13,000		130
135	37.3	100.0	13,200	12,800	12,400	12,000	41.3	97.9	13,500	13,100	12,700	12,300		135
140	34.1	92.6	12,400	12,000	11,700	11,300	38.0	90.2	12,700	12,300	11,900	11,600		140
145	30.6	84.0	11,700	11,300	11,000	10,700	34.4	81.4	11,900	11,600	11,200	10,900		145
148	28.2	78.1	11,200	10,900	10,600	10,300	31.9	75.2	11,400	11,100	10,800	10,500		148
149	27.4	76.1	11,100	10,800	10,500		31.0	73.2	11,300	11,000	10,700	10,400		149
150	26.6	74.1	11,000	10,700			30.2	71.1	11,100	10,900	10,600	10,300		150
151	25.7	71.9	10,800				29.2	68.5	11,000	10,700	10,400	10,200		151
152							28.2	65.9	10,900	10,600	10,300	10,100		152
153							27.2	63.4	10,700	10,500	10,200			153
154							26.2	60.8	10,600	10,300				154
155							25.3	58.2	10,400					155

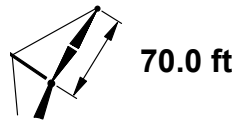
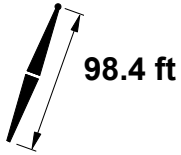
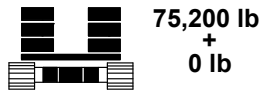
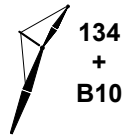


# MLC150-1 S-1



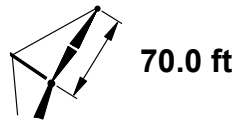
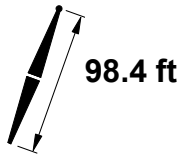
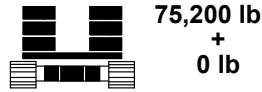
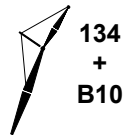
				25°					
				75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft		
40							40		
42							42		
43							43		
44							44		
46							46		
48							48		
49							49		
50							50		
53							53		
55							55		
58							58		
60							60		
65	78.6	151.2	20,200				65		
67	77.8	150.3	19,800	19,400			67		
70	76.6	149.0	19,200	18,900	18,200		70		
72	75.8	148.0	18,900	18,500	18,000	16,300	72		
75	74.6	146.5	18,400	18,000	17,700	16,200	75		
80	72.5	143.9	17,700	17,300	17,000	16,100	80		
85	70.4	141.0	16,900	16,600	16,300	15,900	85		
90	68.2	137.8	16,300	16,000	15,700	15,500	90		
95	66.0	134.4	15,700	15,400	15,200	14,900	95		
100	63.7	130.7	15,100	14,900	14,700	14,400	100		
105	61.4	126.6	14,600	14,400	14,200	14,000	105		
110	58.9	122.2	14,200	13,900	13,800	13,500	110		
115	56.4	117.4	13,700	13,500	13,400	13,200	115		
120	53.7	112.1	13,300	13,100	13,000	12,800	120		
125	50.9	106.3	12,900	12,800	12,600	12,500	125		
130	48.0	99.9	12,600	12,500	12,300	12,200	130		
135	44.8	92.7	12,300	12,200	12,000	11,900	135		
140	41.3	84.5	12,100	11,900	11,800	11,600	140		
145	37.3	75.0	11,900	11,700	11,400	11,100	145		
148	34.6	68.1	11,500	11,300	11,000	10,700	148		
149	33.6	65.8	11,400	11,100	10,900	10,600	149		
150	32.7	63.5	11,300	11,000	10,700	10,400	150		
151	31.5	60.5	11,100	10,800	10,600	10,300	151		
152	30.4	57.4	11,000	10,700	10,400	10,200	152		
153	29.2	54.4	10,800	10,600	10,300	10,100	153		
154	28.0	51.3	10,700	10,400	10,200	9,900	154		
155	26.9	48.3	10,500	10,300			155		

# MLC150-1 S-1



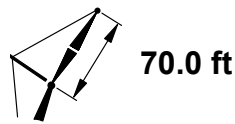
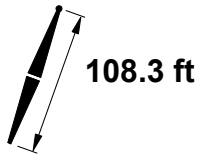
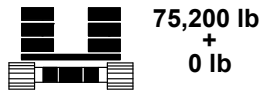
ft	5°							15°							ft
	°	ft	lb				°	ft	lb						
			0°	1°	2°	3°			0°	1°	2°	3°			
42	78.9	173.2	31,200											42	
44	78.3	172.8	30,800											44	
45	77.9	172.5	30,700	24,300										45	
46	77.6	172.3	30,500	24,200										46	
48	76.9	171.7	30,100	24,200	19,500									48	
50	76.2	171.2	29,800	24,100	19,500									50	
51	75.8	170.9	29,700	24,100	19,500	16,200								51	
54	74.8	170.0	29,200	24,000	19,400	16,200	79.0	168.7	27,300					54	
55	74.4	169.7	29,000	24,000	19,400	16,200	78.6	168.4	27,100					55	
57	73.7	169.0	28,700	24,000	19,400	16,200	77.9	167.7	26,900	23,000				57	
60	72.6	168.1	28,300	23,900	19,400	16,200	76.8	166.7	26,500	22,700	19,800			60	
63	71.6	167.0	27,800	23,600	19,300	16,200	75.7	165.6	26,100	22,500	19,700	16,500		63	
65	70.9	166.2	27,500	23,400	19,200	16,100	75.0	164.8	25,900	22,300	19,700	16,500		65	
66	70.5	165.8	27,400	23,300	19,200	16,100	74.7	164.4	25,800	22,200	19,600	16,500		66	
69	69.4	164.6	27,000	23,000	19,200	16,100	73.6	163.2	25,400	22,000	19,400	16,500		69	
70	69.0	164.2	26,800	22,900	19,200	16,100	73.2	162.8	25,300	21,900	19,400	16,500		70	
72	68.3	163.3	26,600	22,700	19,200	16,100	72.5	161.9	25,100	21,700	19,200	16,500		72	
74	67.6	162.5	26,300	22,500	19,100	16,100	71.7	161.1	24,900	21,600	19,100	16,500		74	
75	67.2	162.0	26,100	22,400	19,100	16,100	71.3	160.6	24,700	21,500	19,000	16,500		75	
80	65.4	159.6	25,500	21,900	19,100	16,000	69.5	158.2	24,200	21,100	18,700	16,500		80	
85	63.5	157.0	24,900	21,500	19,000	16,000	67.6	155.6	23,600	20,800	18,500	16,500		85	
90	61.5	154.2	24,300	21,000	18,600	15,900	65.6	152.7	22,500	20,400	18,100	16,400		90	
95	59.6	151.2	22,400	20,600	18,300	15,900	63.6	149.7	21,500	20,000	17,900	16,200		95	
100	57.6	147.9	20,800	19,800	18,000	15,900	61.6	146.4	20,600	19,700	17,600	16,000		100	
105	55.5	144.4	19,300	18,400	17,600	15,800	59.5	142.8	19,800	19,000	17,400	15,700		105	
110	53.4	140.6	17,900	17,200	16,400	15,700	57.4	138.9	18,500	17,700	17,000	15,600		110	
115	51.2	136.4	16,700	16,000	15,400	14,700	55.2	134.7	17,200	16,500	15,900	15,200		115	
120	49.0	132.0	15,600	15,000	14,400	13,800	52.9	130.2	16,100	15,400	14,800	14,200		120	
125	46.6	127.1	14,600	14,000	13,500	13,000	50.5	125.3	15,000	14,500	13,900	13,400		125	
130	44.2	121.9	13,700	13,100	12,700	12,200	48.0	120.0	14,100	13,500	13,000	12,600		130	
135	41.6	116.2	12,800	12,300	11,900	11,500	45.4	114.1	13,200	12,700	12,200	11,800		135	
140	38.9	109.9	12,000	11,600	11,200	10,800	42.7	107.7	12,300	11,900	11,500	11,100		140	
145	36.0	102.9	11,300	10,900	10,500	10,200	39.7	100.6	11,500	11,200	10,800	10,400		145	
150	32.9	95.1	10,600	10,200	9,900	9,600	36.5	92.6	10,800	10,500	10,100	9,800		150	
155	29.5	86.2	9,900	9,600	9,300	9,000	33.0	83.4	10,100	9,800	9,500	9,200		155	
157	28.0	82.1	9,700	9,400	9,100	8,800	31.4	79.1	9,900	9,600	9,300	9,000		157	
158	27.2	80.0	9,500	9,300	9,000		30.6	76.9	9,700	9,500	9,200	8,900		158	
159	26.4	77.9	9,400	9,200			29.8	74.7	9,600	9,300	9,100	8,800		159	
160	25.6	75.8	9,300				29.0	72.6	9,500	9,200	8,900	8,700		160	
161							28.0	70.0	9,400	9,100	8,800	8,600		161	
162							27.1	67.3	9,200	9,000	8,700			162	
163							26.1	64.7	9,100	8,900				163	
164							25.2	62.1	9,000					164	

# MLC150-1 S-1



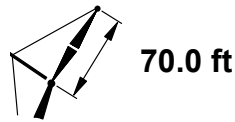
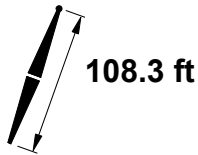
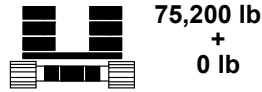
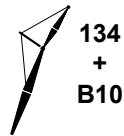
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
42							42
44							44
45							45
46							46
48							48
50							50
51							51
54							54
55							55
57							57
60							60
63							63
65							65
66	79.0	161.2	20,300				66
69	77.9	159.9	19,800	19,400			69
70	77.5	159.5	19,600	19,200			70
72	76.7	158.6	19,300	18,900	18,300		72
74	76.0	157.7	19,000	18,600	18,200	16,400	74
75	75.6	157.3	18,800	18,400	18,100	16,400	75
80	73.7	154.8	18,000	17,700	17,400	16,300	80
85	71.7	152.1	17,400	17,100	16,700	16,100	85
90	69.7	149.2	16,700	16,400	16,100	15,900	90
95	67.7	146.1	16,100	15,900	15,600	15,300	95
100	65.6	142.7	15,600	15,300	15,100	14,900	100
105	63.5	139.0	15,100	14,800	14,600	14,400	105
110	61.3	135.0	14,600	14,400	14,200	14,000	110
115	59.0	130.7	14,200	14,000	13,700	13,600	115
120	56.6	126.0	13,800	13,600	13,400	13,200	120
125	54.2	120.9	13,400	13,200	13,000	12,900	125
130	51.6	115.4	13,100	12,800	12,700	12,600	130
135	48.9	109.3	12,800	12,600	12,400	12,100	135
140	46.0	102.5	12,500	12,200	11,800	11,400	140
145	42.9	95.0	11,800	11,400	11,100	10,700	145
150	39.4	86.4	11,000	10,700	10,400	10,000	150
155	35.6	76.4	10,300	10,000	9,700	9,400	155
157	33.8	71.6	10,000	9,700	9,400	9,200	157
158	32.9	69.2	9,900	9,600	9,300	9,100	158
159	32.0	66.8	9,700	9,500	9,200	8,900	159
160	31.1	64.3	9,600	9,300	9,100	8,800	160
161	30.0	61.4	9,400	9,200	8,900	8,700	161
162	28.9	58.4	9,300	9,100	8,800	8,600	162
163	27.8	55.4	9,200	8,900	8,700		163
164							164


# MLC150-1 S-1



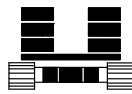
ft	5°							15°							ft
	°	ft	lb				°	ft	lb						
			0°	1°	2°	3°			0°	1°	2°	3°			
44	78.9	182.9	31,000											44	
46	78.3	182.4	30,600											46	
47	77.9	182.1	30,500	24,000										47	
48	77.6	181.9	30,300	24,000										48	
50	76.9	181.4	30,000	23,900	19,300									50	
53	76.0	180.5	29,500	23,900	19,300	16,100								53	
55	75.3	180.0	29,200	23,800	19,200	16,100								55	
56	75.0	179.7	29,100	23,800	19,200	16,100	78.9	178.3	27,100					56	
59	74.0	178.7	28,600	23,700	19,200	16,000	77.9	177.3	26,800	22,900				59	
60	73.6	178.4	28,500	23,700	19,200	16,000	77.6	177.0	26,700	22,800				60	
62	73.0	177.7	28,200	23,600	19,200	16,000	76.9	176.3	26,400	22,700	19,600			62	
65	72.0	176.7	27,800	23,600	19,100	16,000	75.9	175.3	26,100	22,400	19,600	16,400		65	
68	70.9	175.6	27,400	23,300	19,100	16,000	74.9	174.2	25,700	22,200	19,500	16,400		68	
70	70.3	174.8	27,100	23,100	19,100	16,000	74.2	173.4	25,500	22,000	19,500	16,400		70	
71	69.9	174.4	27,000	23,000	19,100	16,000	73.8	173.0	25,400	21,900	19,400	16,400		71	
74	68.9	173.2	26,600	22,800	19,000	15,900	72.8	171.7	25,100	21,700	19,200	16,400		74	
75	68.5	172.8	26,500	22,700	19,000	15,900	72.4	171.3	25,000	21,700	19,200	16,400		75	
77	67.8	171.9	26,200	22,500	19,000	15,900	71.7	170.4	24,800	21,500	19,100	16,400		77	
80	66.8	170.6	25,900	22,200	19,000	15,900	70.7	169.1	24,500	21,300	18,900	16,400		80	
85	65.0	168.1	25,300	21,700	18,900	15,900	68.9	166.6	23,900	21,000	18,600	16,400		85	
90	63.2	165.5	24,000	21,300	18,800	15,900	67.1	164.0	23,300	20,600	18,400	16,400		90	
95	61.4	162.7	22,100	20,900	18,500	15,800	65.3	161.2	22,300	20,300	18,100	16,300		95	
100	59.6	159.7	20,500	19,400	18,200	15,800	63.4	158.1	21,200	20,000	17,800	16,100		100	
105	57.7	156.4	19,000	18,100	17,200	15,800	61.5	154.8	19,600	18,700	17,600	15,900		105	
110	55.7	152.9	17,600	16,800	16,000	15,300	59.5	151.3	18,300	17,400	16,600	15,800		110	
115	53.7	149.1	16,400	15,700	15,000	14,300	57.5	147.4	17,000	16,200	15,500	14,800		115	
120	51.7	145.1	15,300	14,600	14,000	13,400	55.4	143.3	15,800	15,100	14,500	13,900		120	
125	49.6	140.7	14,300	13,700	13,100	12,500	53.3	138.9	14,800	14,200	13,600	13,000		125	
130	47.4	136.0	13,400	12,800	12,300	11,800	51.1	134.2	13,800	13,200	12,700	12,200		130	
135	45.1	131.0	12,500	12,000	11,500	11,000	48.8	129.0	12,900	12,400	11,900	11,400		135	
140	42.8	125.5	11,700	11,200	10,800	10,400	46.4	123.4	12,100	11,600	11,200	10,700		140	
145	40.3	119.5	11,000	10,500	10,100	9,800	43.8	117.3	11,300	10,900	10,500	10,100		145	
150	37.7	112.9	10,300	9,900	9,500	9,200	41.2	110.6	10,600	10,200	9,800	9,500		150	
155	34.9	105.6	9,600	9,300	9,000	8,600	38.3	103.2	9,900	9,600	9,200	8,900		155	
160	31.8	97.5	9,000	8,700	8,400	8,100	35.2	94.8	9,300	8,900	8,600	8,300		160	
165	28.5	88.3	8,500	8,200	7,900	7,700	31.7	85.3	8,700	8,400	8,100	7,800		165	
167	27.0	84.0	8,200	8,000	7,700		30.2	80.8	8,400	8,200	7,900	7,600		167	
168	26.3	81.9	8,100	7,900			29.4	78.5	8,300	8,000	7,800	7,500		168	
169	25.5	79.8	8,000				28.6	76.3	8,200	7,900	7,700	7,400		169	
170							27.8	74.0	8,100	7,800	7,600			170	
171							26.9	71.4	8,000	7,700				171	
172							26.0	68.7	7,900	7,600				172	
173							25.1	66.0	7,700					173	

# MLC150-1 S-1



		25°					
							
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
44							44
46							46
47							47
48							48
50							50
53							53
55							55
56							56
59							59
60							60
62							62
65							65
68	78.9	170.8	20,300				68
70	78.2	170.0	20,000				70
71	77.9	169.6	19,800	19,400			71
74	76.8	168.3	19,300	18,900	18,300		74
75	76.5	167.9	19,200	18,800	18,300		75
77	75.7	167.0	18,900	18,500	18,100	16,400	77
80	74.7	165.6	18,400	18,100	17,700	16,300	80
85	72.9	163.1	17,800	17,400	17,100	16,200	85
90	71.0	160.4	17,100	16,800	16,500	16,000	90
95	69.1	157.5	16,500	16,300	16,000	15,700	95
100	67.2	154.4	16,000	15,700	15,500	15,300	100
105	65.2	151.0	15,500	15,200	15,000	14,800	105
110	63.2	147.3	15,000	14,800	14,600	14,400	110
115	61.1	143.4	14,600	14,400	14,100	14,000	115
120	59.0	139.2	14,200	14,000	13,800	13,600	120
125	56.8	134.6	13,800	13,600	13,400	13,300	125
130	54.5	129.7	13,400	13,300	13,000	12,600	130
135	52.1	124.4	13,100	12,800	12,300	11,800	135
140	49.6	118.5	12,400	12,000	11,500	11,100	140
145	47.0	112.1	11,600	11,200	10,800	10,400	145
150	44.2	105.1	10,800	10,500	10,100	9,700	150
155	41.1	97.2	10,100	9,800	9,400	9,100	155
160	37.8	88.2	9,400	9,100	8,800	8,500	160
165	34.0	77.8	8,800	8,500	8,200	8,000	165
167	32.2	72.7	8,500	8,300	8,000	7,800	167
168	31.3	70.2	8,400	8,200	7,900	7,700	168
169	30.5	67.7	8,300	8,000	7,800	7,600	169
170	29.6	65.1	8,200	7,900	7,700	7,500	170
171	28.5	62.1	8,000	7,800	7,600	7,300	171
172	27.5	59.1	7,900	7,700	7,500		172
173							173

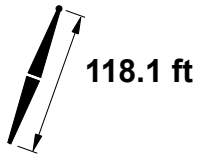
# MLC150-1 S-1



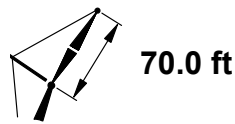
75,200 lb  
+  
0 lb



360°



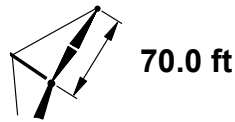
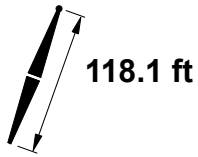
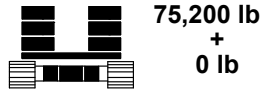
118.1 ft



70.0 ft

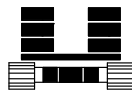
	5°							15°							
			0°								0°				
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft	
46	78.9	192.5	30,700											46	
48	78.3	192.0	30,400											48	
49	77.9	191.8	30,200	23,700										49	
50	77.6	191.5	30,100	23,700										50	
53	76.7	190.7	29,700	23,600	19,100									53	
55	76.1	190.2	29,400	23,600	19,100									55	
56	75.8	189.9	29,200	23,600	19,100	16,000								56	
58	75.1	189.3	29,000	23,600	19,100	16,000	78.9	187.9	27,000					58	
60	74.5	188.8	28,700	23,500	19,000	15,900	78.3	187.3	26,800					60	
61	74.2	188.4	28,500	23,500	19,000	15,900	77.9	187.0	26,700	22,800				61	
64	73.2	187.5	28,100	23,400	19,000	15,900	77.0	186.0	26,300	22,600	19,500			64	
65	72.9	187.1	28,000	23,400	19,000	15,900	76.7	185.7	26,200	22,500	19,500			65	
68	72.0	186.1	27,600	23,300	18,900	15,900	75.7	184.6	25,900	22,300	19,500	16,300		68	
70	71.3	185.4	27,400	23,300	18,900	15,900	75.0	183.9	25,700	22,100	19,500	16,300		70	
73	70.4	184.2	27,000	23,000	18,900	15,900	74.1	182.7	25,400	21,900	19,300	16,300		73	
75	69.7	183.4	26,800	22,800	18,900	15,800	73.4	182.0	25,200	21,800	19,200	16,300		75	
76	69.4	183.0	26,600	22,700	18,900	15,800	73.1	181.5	25,100	21,700	19,200	16,300		76	
79	68.4	181.8	26,300	22,500	18,800	15,800	72.1	180.3	24,800	21,500	19,000	16,300		79	
80	68.1	181.3	26,200	22,400	18,800	15,800	71.8	179.8	24,700	21,500	19,000	16,300		80	
85	66.4	179.1	25,600	21,900	18,800	15,700	70.1	177.6	24,200	21,100	18,700	16,300		85	
90	64.7	176.6	23,600	21,500	18,700	15,700	68.4	175.1	23,800	20,800	18,500	16,300		90	
95	63.0	174.0	21,800	20,500	18,600	15,700	66.7	172.4	22,600	20,500	18,200	16,300		95	
100	61.3	171.2	20,100	19,000	18,000	15,600	64.9	169.6	20,900	19,800	18,000	16,200		100	
105	59.6	168.2	18,600	17,600	16,700	15,600	63.2	166.5	19,300	18,300	17,400	16,000		105	
110	57.8	164.9	17,200	16,400	15,500	14,700	61.4	163.2	17,900	17,000	16,200	15,400		110	
115	55.9	161.4	16,000	15,200	14,500	13,800	59.5	159.7	16,700	15,800	15,100	14,300		115	
120	54.1	157.7	14,900	14,200	13,500	12,900	57.6	156.0	15,500	14,800	14,100	13,400		120	
125	52.1	153.7	13,900	13,200	12,600	12,000	55.7	151.9	14,400	13,800	13,100	12,500		125	
130	50.1	149.5	13,000	12,400	11,800	11,300	53.6	147.6	13,500	12,900	12,300	11,700		130	
135	48.1	144.9	12,100	11,600	11,000	10,500	51.6	143.0	12,600	12,000	11,500	11,000		135	
140	46.0	140.0	11,300	10,800	10,300	9,900	49.4	138.0	11,700	11,200	10,700	10,300		140	
145	43.8	134.6	10,600	10,100	9,700	9,300	47.2	132.6	11,000	10,500	10,000	9,600		145	
150	41.5	128.9	9,900	9,500	9,100	8,700	44.9	126.7	10,200	9,800	9,400	9,000		150	
155	39.1	122.6	9,200	8,900	8,500	8,100	42.4	120.4	9,500	9,200	8,800	8,400		155	
160	36.5	115.8	8,600	8,300	8,000	7,600	39.8	113.4	8,900	8,600	8,200	7,900		160	
170	30.8	99.8	7,500	7,200	7,000	6,700	34.0	97.0	7,700	7,500	7,200	6,900		170	
174	28.2	92.2	7,100	6,900	6,600	6,400	31.3	89.0	7,300	7,100	6,800	6,500		174	
175	27.6	90.3	7,000	6,800	6,500		30.6	87.1	7,200	7,000	6,700	6,500		175	
177	26.2	85.9	6,800	6,600			29.0	82.4	7,000	6,800	6,500	6,300		177	
178	25.4	83.8	6,700				28.3	80.0	6,900	6,700	6,400	6,200		178	
179							27.5	77.7	6,800	6,600	6,300			179	
180							26.7	75.4	6,700	6,500				180	
181							25.9	72.7	6,600					181	

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
46							46
48							48
49							49
50							50
53							53
55							55
56							56
58							58
60							60
61							61
64							64
65							65
68							68
70	78.9	180.4	20,300				70
73	77.9	179.2	19,900	19,400			73
75	77.2	178.5	19,500	19,100			75
76	76.9	178.0	19,400	19,000	18,300		76
79	75.9	176.7	19,000	18,600	18,100	16,400	79
80	75.6	176.3	18,800	18,400	18,100	16,400	80
85	73.9	174.0	18,100	17,800	17,500	16,200	85
90	72.1	171.4	17,500	17,200	16,900	16,100	90
95	70.4	168.7	16,900	16,600	16,300	16,000	95
100	68.6	165.8	16,400	16,100	15,800	15,600	100
105	66.8	162.7	15,900	15,600	15,400	15,100	105
110	64.9	159.3	15,400	15,200	14,900	14,700	110
115	63.0	155.7	15,000	14,700	14,500	14,300	115
120	61.0	151.8	14,600	14,300	14,100	13,900	120
125	59.0	147.7	14,200	14,000	13,700	13,000	125
130	57.0	143.2	13,900	13,300	12,800	12,200	130
135	54.8	138.4	13,000	12,500	11,900	11,400	135
140	52.6	133.3	12,100	11,600	11,100	10,700	140
145	50.3	127.6	11,300	10,900	10,400	10,000	145
150	47.9	121.5	10,600	10,100	9,700	9,300	150
155	45.3	114.9	9,800	9,500	9,100	8,700	155
160	42.5	107.5	9,200	8,800	8,500	8,100	160
170	36.3	90.0	7,900	7,600	7,400	7,100	170
174	33.3	81.3	7,400	7,200	6,900	6,700	174
175	32.6	79.1	7,300	7,100	6,800	6,600	175
177	30.8	73.8	7,100	6,900	6,600	6,400	177
178	30.0	71.1	7,000	6,800	6,500	6,300	178
179	29.1	68.5	6,900	6,600	6,400	6,200	179
180	28.2	65.8	6,800	6,500	6,300	6,100	180
181	27.2	62.8	6,600	6,400	6,200		181

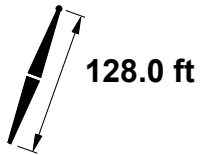
# MLC150-1 S-1



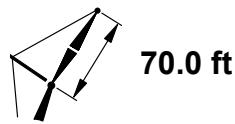
75,200 lb  
+  
0 lb



360°



128.0 ft

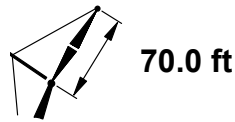
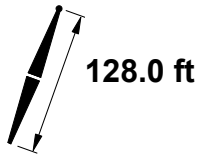
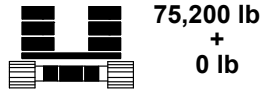
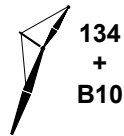


70.0 ft

	5°							15°							
			0°								0°				
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft	
49	78.8	202.1	28,800											49	
50	78.5	201.9	28,700											50	
52	77.9	201.4	28,400	23,100										52	
55	77.1	200.7	28,100	23,000										55	
56	76.8	200.4	27,900	23,000	18,600									56	
59	75.9	199.6	27,500	22,900	18,600	15,600								59	
60	75.6	199.3	27,400	22,900	18,600	15,600								60	
61	75.3	199.0	27,300	22,900	18,600	15,600	78.8	197.5	25,400					61	
64	74.4	198.1	26,900	22,800	18,600	15,600	77.9	196.6	25,100	21,500				64	
65	74.1	197.8	26,800	22,800	18,500	15,600	77.6	196.3	25,000	21,500				65	
68	73.2	196.8	26,500	22,600	18,500	15,500	76.7	195.3	24,700	21,300	18,800			68	
70	72.6	196.1	26,200	22,400	18,500	15,500	76.1	194.6	24,500	21,100	18,700			70	
71	72.3	195.8	26,100	22,300	18,500	15,500	75.8	194.3	24,400	21,100	18,700	15,900		71	
73	71.6	195.1	25,900	22,100	18,500	15,500	75.2	193.6	24,300	21,000	18,600	15,900		73	
75	71.0	194.4	25,700	22,000	18,500	15,500	74.6	192.8	24,100	20,900	18,500	15,900		75	
76	70.7	194.0	25,600	21,900	18,400	15,500	74.3	192.4	24,000	20,800	18,400	15,900		76	
79	69.8	192.8	25,300	21,700	18,400	15,400	73.3	191.3	23,700	20,600	18,300	15,900		79	
80	69.5	192.4	25,200	21,600	18,400	15,400	73.0	190.9	23,600	20,600	18,200	15,900		80	
82	68.9	191.6	25,000	21,400	18,300	15,400	72.4	190.0	23,500	20,400	18,100	15,900		82	
85	68.0	190.3	24,700	21,200	18,300	15,400	71.5	188.7	23,200	20,300	18,000	15,900		85	
90	66.4	188.0	23,400	20,800	18,300	15,400	69.9	186.5	22,800	20,000	17,800	15,900		90	
95	64.8	185.6	21,500	20,200	18,100	15,300	68.3	184.0	22,400	19,700	17,500	15,900		95	
100	63.2	183.0	19,800	18,700	17,600	15,300	66.6	181.4	20,700	19,400	17,300	15,700		100	
105	61.5	180.2	18,300	17,300	16,300	15,300	65.0	178.5	19,100	18,000	17,000	15,500		105	
110	59.9	177.2	17,000	16,000	15,100	14,300	63.3	175.5	17,700	16,700	15,800	15,000		110	
115	58.2	174.0	15,700	14,900	14,100	13,300	61.6	172.3	16,400	15,600	14,700	14,000		115	
120	56.4	170.6	14,600	13,900	13,100	12,400	59.8	168.9	15,300	14,500	13,700	13,000		120	
125	54.7	167.0	13,600	12,900	12,200	11,600	58.0	165.2	14,200	13,500	12,800	12,200		125	
130	52.8	163.1	12,700	12,000	11,400	10,800	56.2	161.3	13,200	12,600	11,900	11,300		130	
135	51.0	159.0	11,800	11,200	10,700	10,100	54.3	157.1	12,300	11,700	11,100	10,600		135	
140	49.1	154.5	11,000	10,500	10,000	9,500	52.4	152.6	11,500	10,900	10,400	9,900		140	
145	47.1	149.8	10,300	9,800	9,300	8,800	50.4	147.8	10,700	10,200	9,700	9,300		145	
150	45.1	144.7	9,600	9,100	8,700	8,300	48.3	142.6	10,000	9,500	9,100	8,600		150	
160	40.7	133.3	8,300	7,900	7,600	7,200	43.9	131.1	8,700	8,300	7,900	7,500		160	
170	35.9	120.0	7,200	6,900	6,600	6,300	39.0	117.4	7,500	7,200	6,900	6,600		170	
180	30.5	103.7	6,200	6,000	5,700	5,500	33.4	100.8	6,500	6,200	5,900	5,700		180	
183	28.6	97.9	6,000	5,700	5,500	5,200	31.5	94.8	6,200	5,900	5,700	5,400		183	
185	27.4	94.1	5,800	5,600	5,300		30.2	90.8	6,000	5,700	5,500	5,300		185	
186	26.7	91.9	5,700	5,500			29.4	88.4	5,900	5,600	5,400	5,200		186	
188	25.3	87.6	5,500				28.0	83.7	5,700	5,500	5,200	5,000		188	
189							27.2	81.4	5,600	5,400	5,200			189	
190							26.5	79.0	5,500	5,300				190	
191							25.7	76.4	5,400					191	

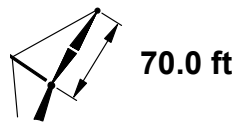
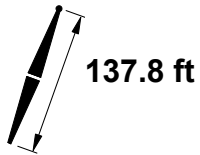
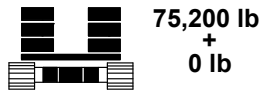


# MLC150-1 S-1



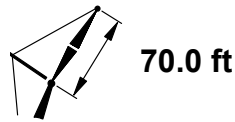
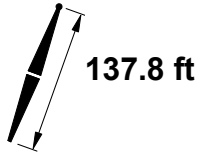
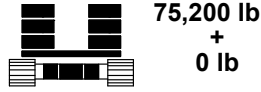
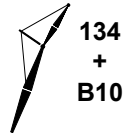
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
49							49
50							50
52							52
55							55
56							56
59							59
60							60
61							61
64							64
65							65
68							68
70							70
71							71
73	78.8	190.0	21,100				73
75	78.2	189.3	20,700				75
76	77.9	188.9	20,600	19,500			76
79	76.9	187.7	20,200	19,400	17,300		79
80	76.6	187.3	20,000	19,400	17,300		80
82	76.0	186.4	19,700	19,200	17,200	15,500	82
85	75.0	185.1	19,300	18,900	17,100	15,500	85
90	73.4	182.8	18,600	18,200	17,000	15,400	90
95	71.8	180.3	18,000	17,600	16,800	15,300	95
100	70.1	177.6	17,400	17,100	16,700	15,200	100
105	68.4	174.7	16,900	16,600	16,300	15,100	105
110	66.7	171.6	16,400	16,100	15,800	15,000	110
115	64.9	168.3	15,900	15,700	15,400	14,600	115
120	63.1	164.8	15,500	15,100	14,300	13,600	120
125	61.3	161.0	14,800	14,100	13,400	12,700	125
130	59.4	157.0	13,800	13,100	12,500	11,900	130
135	57.5	152.6	12,800	12,200	11,600	11,100	135
140	55.5	148.0	11,900	11,400	10,900	10,300	140
145	53.4	143.1	11,100	10,600	10,100	9,700	145
150	51.3	137.7	10,400	9,900	9,400	9,000	150
160	46.7	125.7	9,000	8,600	8,200	7,800	160
170	41.5	111.3	7,700	7,400	7,100	6,800	170
180	35.5	93.5	6,600	6,300	6,100	5,800	180
183	33.4	86.9	6,300	6,000	5,800	5,600	183
185	32.0	82.5	6,100	5,800	5,600	5,400	185
186	31.2	79.9	6,000	5,700	5,500	5,300	186
188	29.5	74.6	5,800	5,500	5,300	5,100	188
189	28.7	71.9	5,700	5,500	5,200	5,000	189
190	27.8	69.3	5,600	5,400	5,100		190
191	26.9	66.2	5,500	5,300			191

# MLC150-1 S-1



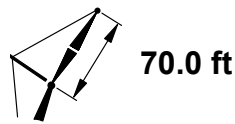
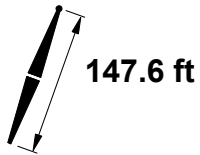
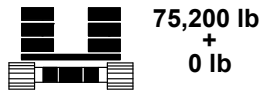
	5°							15°									
			0°								0°						
	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb		ft	
51	78.8	211.7	28,600												51		
54	78.0	211.0	28,200	22,800											54		
55	77.7	210.8	28,100	22,800											55		
58	76.8	210.0	27,700	22,700	18,400										58		
60	76.3	209.5	27,500	22,600	18,400										60		
61	76.0	209.2	27,400	22,600	18,400	15,500									61		
63	75.4	208.7	27,200	22,600	18,400	15,400	78.8	207.2	25,300						63		
65	74.8	208.1	27,000	22,600	18,300	15,400	78.2	206.6	25,000						65		
66	74.6	207.8	26,800	22,600	18,300	15,400	77.9	206.2	25,000	21,500					66		
70	73.4	206.5	26,400	22,500	18,300	15,300	76.8	205.0	24,600	21,200	18,700				70		
73	72.5	205.5	26,100	22,200	18,300	15,300	75.9	204.0	24,400	21,000	18,600	15,800			73		
75	72.0	204.8	25,900	22,100	18,200	15,300	75.3	203.3	24,200	20,900	18,500	15,800			75		
78	71.1	203.7	25,600	21,900	18,200	15,300	74.5	202.2	24,000	20,700	18,300	15,800			78		
80	70.5	203.0	25,400	21,700	18,200	15,300	73.9	201.4	23,800	20,600	18,200	15,800			80		
82	69.9	202.2	25,200	21,500	18,100	15,300	73.3	200.6	23,600	20,500	18,200	15,800			82		
85	69.0	201.0	24,800	21,300	18,100	15,300	72.4	199.4	23,400	20,400	18,000	15,800			85		
90	67.6	198.8	23,000	20,900	18,100	15,200	70.9	197.3	23,000	20,000	17,800	15,800			90		
95	66.1	196.6	21,100	19,800	18,100	15,200	69.4	194.9	22,100	19,800	17,600	15,800			95		
100	64.5	194.1	19,400	18,200	17,100	15,200	67.8	192.5	20,400	19,100	17,400	15,700			100		
105	63.0	191.5	17,900	16,800	15,800	14,900	66.3	189.8	18,800	17,700	16,600	15,600			105		
110	61.4	188.7	16,600	15,600	14,700	13,800	64.7	187.0	17,400	16,400	15,400	14,500			110		
115	59.8	185.7	15,300	14,500	13,600	12,800	63.1	184.0	16,100	15,200	14,300	13,500			115		
120	58.2	182.5	14,200	13,400	12,700	11,900	61.5	180.8	14,900	14,100	13,300	12,600			120		
125	56.6	179.1	13,200	12,500	11,800	11,100	59.8	177.3	13,900	13,100	12,400	11,700			125		
130	54.9	175.5	12,300	11,600	10,900	10,300	58.1	173.7	12,900	12,200	11,500	10,900			130		
135	53.2	171.7	11,400	10,800	10,200	9,600	56.4	169.8	12,000	11,300	10,700	10,100			135		
140	51.4	167.6	10,600	10,000	9,500	9,000	54.6	165.7	11,100	10,500	10,000	9,500			140		
145	49.6	163.3	9,900	9,300	8,800	8,400	52.8	161.3	10,300	9,800	9,300	8,800			145		
150	47.7	158.6	9,200	8,700	8,200	7,800	50.9	156.6	9,600	9,100	8,700	8,200			150		
155	45.8	153.7	8,500	8,100	7,700	7,200	48.9	151.6	8,900	8,500	8,100	7,600			155		
160	43.8	148.4	7,900	7,500	7,100	6,700	46.9	146.2	8,300	7,900	7,500	7,100			160		
165	41.8	142.7	7,300	7,000	6,600	6,300	44.8	140.5	7,700	7,300	7,000	6,600			165		
170	39.6	136.6	6,800	6,500	6,100	5,800	42.6	134.2	7,100	6,800	6,400	6,100			170		
180	34.9	122.7	5,800	5,500	5,300	5,000	37.8	120.1	6,100	5,800	5,500	5,200			180		
190	29.6	105.9	5,000	4,700	4,500	4,300	32.4	102.8	5,200	4,900	4,700	4,400			190		
192	28.4	101.9	4,800	4,600	4,300	4,100	31.1	98.7	5,000	4,800	4,500	4,300			192		
194	27.2	97.9	4,600	4,400	4,200		29.8	94.5	4,800	4,600	4,400	4,100			194		
195	26.6	96.0	4,600	4,300			29.2	92.5	4,700	4,500	4,300	4,100			195		
196	25.9	93.8	4,500				28.5	90.0	4,600	4,400	4,200	4,000			196		
197	25.2	91.6	4,400				27.8	87.6	4,600	4,300	4,100				197		
198							27.0	85.2	4,500	4,300	4,100				198		
199							26.3	82.8	4,400	4,200					199		
200							25.6	80.3	4,300						200		

# MLC150-1 S-1



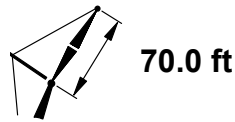
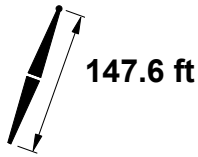
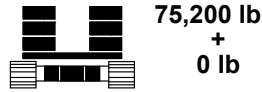
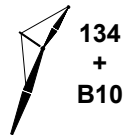
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
51							51
54							54
55							55
58							58
60							60
61							61
63							63
65							65
66							66
70							70
73							73
75	78.8	199.6	21,000				75
78	77.9	198.5	20,600	19,500			78
80	77.3	197.8	20,300	19,400			80
82	76.7	196.9	20,000	19,300	17,200		82
85	75.8	195.7	19,600	19,200	17,200	14,800	85
90	74.3	193.5	19,000	18,600	17,000	14,800	90
95	72.7	191.1	18,300	17,900	16,900	14,800	95
100	71.2	188.6	17,800	17,400	16,800	14,800	100
105	69.6	185.9	17,300	16,900	16,600	14,800	105
110	68.0	183.0	16,700	16,500	16,200	14,800	110
115	66.3	179.9	16,200	15,900	15,000	14,200	115
120	64.7	176.7	15,600	14,800	14,000	13,200	120
125	62.9	173.1	14,500	13,700	13,000	12,300	125
130	61.2	169.4	13,500	12,800	12,100	11,500	130
135	59.4	165.4	12,500	11,900	11,300	10,700	135
140	57.6	161.2	11,600	11,100	10,500	9,900	140
145	55.7	156.7	10,800	10,300	9,800	9,300	145
150	53.8	151.8	10,100	9,600	9,100	8,600	150
155	51.7	146.6	9,300	8,900	8,400	8,000	155
160	49.7	141.1	8,700	8,200	7,800	7,400	160
165	47.5	135.1	8,000	7,600	7,300	6,900	165
170	45.2	128.5	7,400	7,100	6,700	6,400	170
180	40.2	113.6	6,300	6,000	5,700	5,400	180
190	34.3	95.2	5,300	5,100	4,800	4,600	190
192	32.9	90.6	5,100	4,900	4,600	4,400	192
194	31.5	86.0	4,900	4,700	4,500	4,200	194
195	30.8	83.8	4,800	4,600	4,400	4,200	195
196	30.0	81.0	4,700	4,500	4,300	4,100	196
197	29.2	78.3	4,600	4,400	4,200	4,000	197
198	28.3	75.5	4,500	4,300	4,100	3,900	198
199	27.5	72.8	4,400	4,200	4,000		199
200	26.7	70.0	4,400	4,200			200

# MLC150-1 S-1



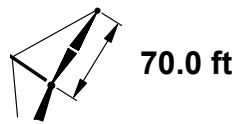
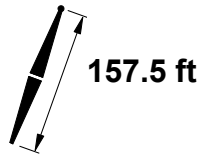
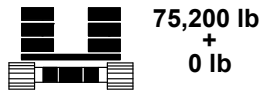
	5°							15°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
53	78.8	221.4	28,400											53
55	78.2	220.9	28,100											55
56	78.0	220.7	28,000	22,500										56
60	76.9	219.7	27,600	22,400	18,200									60
64	75.8	218.6	27,100	22,400	18,200	15,300								64
65	75.5	218.3	27,000	22,300	18,200	15,200	78.8	216.8	25,100					65
68	74.7	217.4	26,700	22,300	18,100	15,200	78.0	215.9	24,800	21,300				68
70	74.2	216.8	26,500	22,300	18,100	15,200	77.4	215.3	24,700	21,200				70
72	73.6	216.2	26,300	22,200	18,100	15,200	76.9	214.6	24,500	21,100	18,600			72
75	72.8	215.2	26,000	22,200	18,100	15,200	76.0	213.7	24,300	20,900	18,500			75
76	72.5	214.9	25,900	22,100	18,100	15,200	75.8	213.3	24,200	20,900	18,400	15,600		76
77	72.3	214.5	25,800	22,000	18,100	15,200	75.5	212.9	24,200	20,800	18,400	15,600		77
80	71.4	213.5	25,500	21,800	18,000	15,200	74.6	211.9	23,900	20,600	18,300	15,600		80
84	70.3	212.0	25,000	21,500	18,000	15,100	73.5	210.4	23,600	20,400	18,100	15,600		84
85	70.0	211.6	24,800	21,400	18,000	15,100	73.2	210.0	23,600	20,400	18,100	15,600		85
87	69.5	210.8	24,000	21,300	18,000	15,100	72.7	209.2	23,400	20,300	18,000	15,600		87
90	68.6	209.6	22,700	21,100	18,000	15,100	71.8	207.9	23,100	20,200	17,900	15,600		90
95	67.2	207.4	20,800	19,400	17,800	15,100	70.4	205.8	21,800	19,900	17,700	15,600		95
100	65.8	205.1	19,100	17,900	16,700	15,100	68.9	203.4	20,100	18,800	17,500	15,600		100
105	64.3	202.6	17,600	16,500	15,400	14,400	67.5	200.9	18,500	17,400	16,300	15,200		105
110	62.8	199.9	16,300	15,200	14,300	13,400	66.0	198.3	17,100	16,000	15,100	14,100		110
115	61.3	197.1	15,000	14,100	13,200	12,400	64.5	195.4	15,800	14,900	14,000	13,100		115
120	59.8	194.2	13,900	13,100	12,300	11,500	62.9	192.4	14,700	13,800	13,000	12,200		120
125	58.3	191.0	12,900	12,100	11,400	10,700	61.4	189.2	13,600	12,800	12,000	11,300		125
130	56.7	187.6	12,000	11,200	10,600	9,900	59.8	185.8	12,600	11,900	11,200	10,500		130
135	55.1	184.1	11,100	10,400	9,800	9,200	58.2	182.2	11,700	11,000	10,400	9,800		135
140	53.5	180.3	10,300	9,700	9,100	8,600	56.5	178.4	10,900	10,200	9,700	9,100		140
145	51.8	176.3	9,500	9,000	8,500	8,000	54.8	174.3	10,100	9,500	9,000	8,400		145
150	50.1	172.0	8,900	8,300	7,900	7,400	53.1	170.0	9,300	8,800	8,300	7,800		150
155	48.3	167.5	8,200	7,700	7,300	6,900	51.3	165.4	8,700	8,200	7,700	7,300		155
160	46.5	162.6	7,600	7,200	6,800	6,400	49.5	160.5	8,000	7,600	7,200	6,700		160
165	44.6	157.5	7,000	6,600	6,300	5,900	47.6	155.3	7,400	7,000	6,600	6,200		165
170	42.7	152.0	6,500	6,100	5,800	5,400	45.6	149.7	6,900	6,500	6,100	5,800		170
175	40.7	146.1	6,000	5,700	5,300	5,000	43.6	143.7	6,300	6,000	5,700	5,300		175
180	38.6	139.7	5,500	5,200	4,900	4,600	41.4	137.3	5,800	5,500	5,200	4,900		180
190	34.0	125.4	4,700	4,400	4,100	3,800	36.8	122.6	4,900	4,600	4,400	4,100		190
200	28.8	108.1	3,800	3,600	3,300	3,000	31.4	104.8	4,100	3,800	3,500	3,200		200
203	27.0	101.9	3,600	3,300	3,000		29.5	98.4	3,800	3,500	3,200			203
204	26.4	99.8	3,500	3,200			28.9	96.2	3,700	3,400	3,200			204
205	25.8	97.8	3,400				28.3	94.1	3,600	3,300	3,100			205
206	25.2	95.5	3,300				27.6	91.6	3,500	3,200	3,000			206
208							26.2	86.7	3,300	3,100				208
209							25.5	84.3	3,200					209

# MLC150-1 S-1



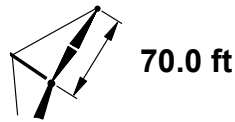
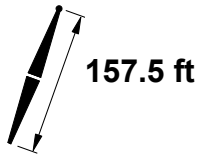
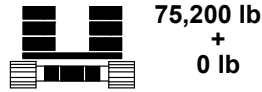
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
53							53
55							55
56							56
60							60
64							64
65							65
68							68
70							70
72							72
75							75
76							76
77	78.8	209.3	21,000				77
80	77.9	208.2	20,600	19,400			80
84	76.8	206.6	20,000	19,200	17,200		84
85	76.5	206.2	19,900	19,200	17,100		85
87	75.9	205.4	19,600	19,100	17,100	14,000	87
90	75.1	204.2	19,300	18,900	17,000	14,000	90
95	73.6	201.9	18,600	18,300	16,900	14,000	95
100	72.1	199.5	18,100	17,800	16,800	14,000	100
105	70.6	197.0	17,500	17,300	16,700	14,000	105
110	69.1	194.3	17,100	16,800	15,900	14,000	110
115	67.6	191.4	16,600	15,600	14,700	13,800	115
120	66.0	188.3	15,400	14,500	13,700	12,900	120
125	64.4	185.0	14,300	13,500	12,700	12,000	125
130	62.8	181.5	13,300	12,500	11,800	11,100	130
135	61.1	177.8	12,300	11,600	11,000	10,300	135
140	59.4	173.9	11,400	10,800	10,200	9,600	140
145	57.7	169.7	10,600	10,000	9,500	8,900	145
150	55.9	165.3	9,800	9,300	8,800	8,300	150
155	54.1	160.6	9,100	8,600	8,200	7,700	155
160	52.2	155.5	8,400	8,000	7,600	7,100	160
165	50.2	150.1	7,800	7,400	7,000	6,600	165
170	48.2	144.3	7,200	6,800	6,500	6,100	170
175	46.0	138.1	6,700	6,300	5,900	5,600	175
180	43.8	131.3	6,100	5,800	5,500	5,200	180
190	38.9	115.9	5,100	4,800	4,600	4,300	190
200	33.1	96.7	4,200	4,000	3,700	3,400	200
203	31.1	89.7	3,900	3,600	3,400		203
204	30.4	87.3	3,800	3,500	3,300		204
205	29.7	85.0	3,700	3,400	3,200		205
206	28.9	82.2	3,600	3,300			206
208	27.4	76.8	3,400	3,100			208
209							209

# MLC150-1 S-1



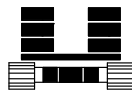
	5°							15°							
			75,200 lb + 0 lb						75,200 lb + 0 lb						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
54	79.0	231.2	28,000												54
55	78.8	231.0	27,900												55
58	78.0	230.3	27,700	22,200											58
60	77.5	229.8	27,500	22,200											60
62	76.9	229.3	27,300	22,100	18,000										62
65	76.2	228.5	27,000	22,100	17,900										65
66	75.9	228.3	26,900	22,100	17,900	15,100									66
67	75.7	228.0	26,800	22,100	17,900	15,100	78.8	226.4	24,900						67
70	74.9	227.1	26,600	22,000	17,900	15,000	78.0	225.5	24,700	21,200					70
74	73.8	225.9	26,100	21,900	17,900	15,000	76.9	224.3	24,500	21,000	18,400				74
75	73.6	225.6	26,000	21,900	17,900	15,000	76.7	224.0	24,400	20,900	18,400				75
78	72.8	224.6	25,800	21,900	17,900	15,000	75.9	223.0	24,100	20,800	18,300	15,300			78
79	72.5	224.3	25,700	21,900	17,900	15,000	75.6	222.6	24,100	20,700	18,300	15,300			79
80	72.3	223.9	25,600	21,900	17,900	15,000	75.3	222.3	24,000	20,700	18,300	15,300			80
82	71.7	223.2	25,100	21,700	17,900	15,000	74.8	221.6	23,800	20,600	18,200	15,300			82
85	70.9	222.1	24,500	21,500	17,800	15,000	74.0	220.5	23,600	20,500	18,100	15,300			85
86	70.7	221.7	24,000	21,300	17,800	15,000	73.7	220.1	23,600	20,400	18,100	15,300			86
90	69.6	220.2	22,300	20,700	17,700	14,900	72.7	218.6	23,300	20,200	17,900	15,300			90
95	68.2	218.1	20,400	19,000	17,600	14,900	71.3	216.5	21,600	19,900	17,700	15,300			95
100	66.9	215.9	18,800	17,400	16,200	14,900	69.9	214.3	19,800	18,400	17,100	15,300			100
105	65.5	213.6	17,200	16,100	14,900	13,900	68.5	211.9	18,200	17,000	15,800	14,800			105
110	64.1	211.1	15,900	14,800	13,800	12,900	67.1	209.4	16,800	15,700	14,600	13,700			110
115	62.7	208.4	14,700	13,700	12,800	11,900	65.7	206.7	15,500	14,500	13,500	12,700			115
120	61.3	205.6	13,500	12,600	11,800	11,000	64.3	203.9	14,300	13,400	12,500	11,700			120
125	59.8	202.6	12,500	11,700	10,900	10,200	62.8	200.8	13,300	12,400	11,600	10,900			125
130	58.3	199.5	11,600	10,800	10,100	9,400	61.3	197.7	12,300	11,500	10,800	10,100			130
135	56.8	196.1	10,700	10,000	9,400	8,700	59.8	194.3	11,400	10,600	10,000	9,300			135
140	55.3	192.6	9,900	9,300	8,700	8,100	58.2	190.7	10,500	9,900	9,200	8,700			140
145	53.7	188.8	9,100	8,600	8,000	7,500	56.7	186.9	9,700	9,100	8,600	8,000			145
150	52.2	184.9	8,500	7,900	7,400	6,900	55.0	182.9	9,000	8,400	7,900	7,400			150
155	50.5	180.7	7,800	7,300	6,800	6,400	53.4	178.7	8,300	7,800	7,300	6,800			155
160	48.9	176.2	7,200	6,700	6,300	5,900	51.7	174.2	7,700	7,200	6,800	6,300			160
165	47.1	171.5	6,600	6,200	5,800	5,400	50.0	169.4	7,100	6,600	6,200	5,800			165
170	45.4	166.5	6,100	5,700	5,300	5,000	48.2	164.3	6,500	6,100	5,700	5,300			170
175	43.5	161.2	5,600	5,200	4,900	4,500	46.3	158.9	6,000	5,600	5,300	4,900			175
180	41.6	155.5	5,100	4,800	4,400	4,000	44.4	153.1	5,500	5,100	4,800	4,400			180
185	39.7	149.3	4,700	4,300	3,900	3,600	42.4	146.9	5,000	4,700	4,300	3,900			185
190	37.6	142.8	4,200	3,800	3,500	3,100	40.3	140.2	4,600	4,200	3,800	3,500			190
195	35.5	135.7	3,700	3,400	3,100		38.1	133.0	4,100	3,700	3,400	3,100			195
200	33.2	128.0	3,300	3,000			35.7	125.1	3,600	3,300					200
205							33.2	116.4	3,100						205

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
54							54
55							55
58							58
60							60
62							62
65							65
66							66
67							67
70							70
74							74
75							75
78							78
79	78.8	218.9	21,000				79
80	78.5	218.5	20,900				80
82	77.9	217.8	20,600	19,300			82
85	77.1	216.7	20,200	19,200			85
86	76.9	216.3	20,100	19,200	17,000		86
90	75.8	214.7	19,600	19,100	17,000	13,200	90
95	74.4	212.6	19,000	18,600	17,000	13,200	95
100	73.0	210.3	18,500	18,000	16,800	13,200	100
105	71.6	207.9	17,900	17,500	16,700	13,200	105
110	70.1	205.4	17,500	16,600	15,500	13,200	110
115	68.7	202.6	16,400	15,300	14,400	13,200	115
120	67.2	199.7	15,100	14,200	13,300	12,500	120
125	65.7	196.7	14,000	13,100	12,300	11,600	125
130	64.2	193.4	13,000	12,200	11,400	10,700	130
135	62.6	189.9	12,000	11,300	10,600	9,900	135
140	61.0	186.3	11,100	10,500	9,800	9,200	140
145	59.4	182.4	10,300	9,700	9,100	8,500	145
150	57.8	178.3	9,500	9,000	8,400	7,900	150
155	56.1	173.9	8,800	8,300	7,800	7,300	155
160	54.3	169.3	8,100	7,700	7,200	6,700	160
165	52.5	164.4	7,500	7,100	6,600	6,200	165
170	50.7	159.1	6,900	6,500	6,100	5,700	170
175	48.8	153.5	6,300	6,000	5,600	5,200	175
180	46.8	147.5	5,800	5,500	5,100	4,800	180
185	44.7	141.0	5,300	5,000	4,700	4,300	185
190	42.5	134.0	4,800	4,500	4,200	3,800	190
195	40.2	126.4	4,400	4,000	3,700	3,300	195
200	37.7	118.1	3,800	3,500	3,200		200
205	35.0	108.8	3,300	3,000			205

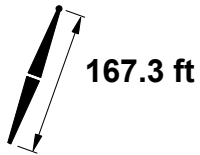
# MLC150-1 S-1



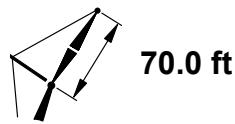
75,200 lb  
+  
0 lb



360°



167.3 ft

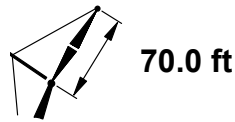
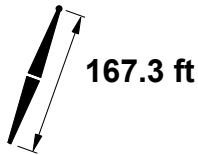
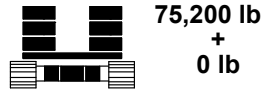
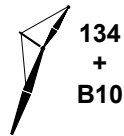


70.0 ft

	5°							15°						
			75,200 lb + 0 lb						75,200 lb + 0 lb					
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
56	79.0	240.9	27,500											56
60	78.0	240.0	27,200	21,900										60
65	76.8	238.7	26,800	21,800	17,800									65
68	76.0	237.9	26,500	21,800	17,800			79.0	236.3	24,800				68
69	75.8	237.6	26,500	21,700	17,700	14,900		78.7	236.0	24,800				69
70	75.5	237.4	26,400	21,700	17,700	14,900		78.5	235.8	24,700				70
72	75.0	236.8	26,200	21,700	17,700	14,900		78.0	235.2	24,600	21,100			72
75	74.3	235.9	25,900	21,700	17,700	14,900		77.2	234.3	24,400	20,900			75
76	74.0	235.6	25,800	21,700	17,700	14,900		77.0	234.0	24,300	20,900	18,200		76
80	73.0	234.3	25,500	21,600	17,600	14,900		76.0	232.7	24,000	20,600	18,200	14,300	80
84	72.0	232.9	24,400	21,500	17,600	14,800		74.9	231.3	23,800	20,500	18,000	14,300	84
85	71.8	232.6	24,100	21,500	17,600	14,800		74.7	231.0	23,700	20,400	18,000	14,300	85
88	71.0	231.5	22,800	20,700	17,500	14,800		73.9	229.8	23,400	20,300	17,900	14,300	88
90	70.5	230.8	22,000	20,200	17,500	14,800		73.4	229.1	23,200	20,200	17,900	14,300	90
92	70.0	230.0	21,200	19,600	17,400	14,800		72.9	228.3	22,400	20,000	17,800	14,300	92
95	69.2	228.8	20,100	18,500	17,100	14,800		72.1	227.1	21,300	19,700	17,700	14,300	95
100	67.9	226.7	18,400	17,000	15,700	14,600		70.8	225.0	19,500	18,100	16,700	14,300	100
105	66.6	224.5	16,900	15,600	14,500	13,400		69.5	222.8	17,900	16,600	15,400	14,300	105
110	65.3	222.1	15,500	14,400	13,400	12,400		68.2	220.4	16,500	15,300	14,200	13,200	110
115	63.9	219.6	14,300	13,300	12,300	11,400		66.8	217.8	15,200	14,100	13,100	12,200	115
120	62.6	216.9	13,200	12,200	11,400	10,500		65.4	215.1	14,000	13,100	12,100	11,300	120
125	61.2	214.1	12,100	11,300	10,500	9,700		64.0	212.3	12,900	12,100	11,200	10,400	125
130	59.8	211.1	11,200	10,400	9,700	9,000		62.6	209.3	11,900	11,100	10,400	9,700	130
135	58.4	208.0	10,300	9,600	8,900	8,300		61.2	206.1	11,000	10,300	9,600	8,900	135
140	56.9	204.6	9,500	8,900	8,200	7,600		59.8	202.8	10,200	9,500	8,900	8,200	140
145	55.5	201.1	8,800	8,200	7,600	7,000		58.3	199.2	9,400	8,800	8,200	7,600	145
150	54.0	197.4	8,100	7,500	7,000	6,500		56.8	195.5	8,700	8,100	7,500	7,000	150
155	52.5	193.5	7,400	6,900	6,400	5,900		55.2	191.5	8,000	7,500	6,900	6,400	155
160	50.9	189.4	6,800	6,400	5,900	5,400		53.7	187.3	7,400	6,900	6,400	5,900	160
165	49.3	185.0	6,300	5,800	5,400	4,900		52.1	182.9	6,800	6,300	5,800	5,400	165
170	47.7	180.4	5,700	5,300	4,800	4,400		50.4	178.2	6,200	5,800	5,300	4,900	170
175	46.0	175.5	5,200	4,800	4,300	3,900		48.7	173.3	5,700	5,300	4,800	4,400	175
180	44.3	170.3	4,700	4,300	3,800	3,400		47.0	168.0	5,200	4,800	4,300	3,900	180
185	42.5	164.7	4,200	3,800	3,400	3,000		45.2	162.4	4,700	4,200	3,800	3,400	185
190	40.7	158.8	3,700	3,300				43.3	156.4	4,100	3,700	3,300		190
195	38.7	152.5	3,200					41.3	150.0	3,600	3,200			195
200								39.3	143.1	3,100				200

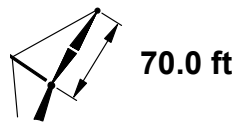
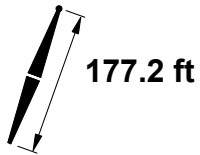
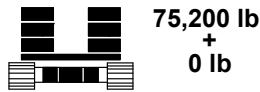


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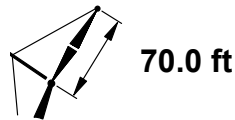
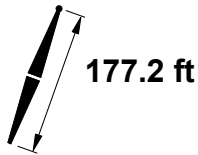
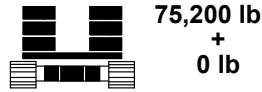
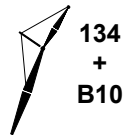
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
56							56
60							60
65							65
68							68
69							69
70							70
72							72
75							75
76							76
80	79.0	228.9	21,100				80
84	78.0	227.5	20,600	19,300			84
85	77.7	227.1	20,500	19,200			85
88	76.9	226.0	20,100	19,100	16,100		88
90	76.4	225.2	19,800	19,100	16,100		90
92	75.9	224.4	19,600	19,000	16,100	12,400	92
95	75.1	223.2	19,300	18,800	16,100	12,400	95
100	73.8	221.1	18,700	18,400	16,100	12,400	100
105	72.4	218.8	18,200	17,600	16,100	12,400	105
110	71.0	216.3	17,500	16,300	15,200	12,400	110
115	69.7	213.7	16,100	15,000	14,000	12,400	115
120	68.3	211.0	14,900	13,900	13,000	12,100	120
125	66.9	208.1	13,700	12,800	12,000	11,200	125
130	65.4	205.0	12,700	11,900	11,100	10,300	130
135	64.0	201.8	11,700	11,000	10,300	9,600	135
140	62.5	198.3	10,800	10,100	9,500	8,800	140
145	61.0	194.7	10,000	9,400	8,800	8,200	145
150	59.4	190.9	9,300	8,700	8,100	7,500	150
155	57.9	186.8	8,500	8,000	7,400	6,900	155
160	56.2	182.5	7,900	7,300	6,800	6,400	160
165	54.6	178.0	7,200	6,700	6,300	5,800	165
170	52.9	173.2	6,600	6,200	5,800	5,300	170
175	51.1	168.0	6,100	5,700	5,300	4,800	175
180	49.3	162.6	5,500	5,100	4,800	4,300	180
185	47.5	156.8	5,000	4,600	4,200	3,800	185
190	45.5	150.5	4,500	4,100	3,700	3,300	190
195	43.5	143.9	4,000	3,600	3,200		195
200	41.3	136.6	3,400	3,100			200

# MLC150-1 S-1



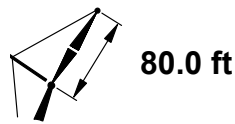
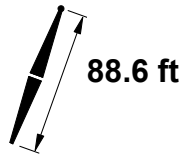
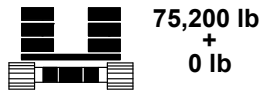
	5°							15°							
			0°								0°				
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft	
58	78.9	250.5	27,000											58	
60	78.5	250.1	26,900											60	
62	78.0	249.6	26,700	21,600										62	
65	77.3	248.9	26,500	21,500										65	
67	76.8	248.4	26,300	21,500	17,500									67	
70	76.1	247.6	26,100	21,400	17,400			79.0	246.0	24,700	17,400			70	
71	75.9	247.3	26,000	21,400	17,400	14,100		78.7	245.7	24,600				71	
75	74.9	246.2	25,700	21,400	17,400	14,100		77.8	244.5	24,300	20,900			75	
79	74.0	244.9	25,400	21,300	17,400	14,000		76.8	243.3	24,100	20,700	17,100		79	
80	73.7	244.6	25,300	21,300	17,400	14,000		76.6	243.0	24,100	20,600	17,100		80	
82	73.2	244.0	24,700	21,300	17,400	14,000		76.1	242.3	23,900	20,500	17,100		82	
83	73.0	243.7	24,400	21,300	17,400	14,000		75.8	242.0	23,900	20,500	17,100	13,300	83	
85	72.5	243.0	23,800	21,200	17,400	14,000		75.3	241.4	23,700	20,400	17,100	13,300	85	
86	72.3	242.7	23,300	21,000	17,400	14,000		75.1	241.0	23,600	20,400	17,100	13,300	86	
90	71.3	241.3	21,600	19,800	17,300	14,000		74.1	239.6	23,000	20,200	17,100	13,300	90	
94	70.3	239.7	20,100	18,400	16,800	14,000		73.1	238.1	21,400	19,500	17,100	13,300	94	
95	70.1	239.4	19,700	18,100	16,600	14,000		72.9	237.7	21,000	19,300	17,100	13,300	95	
100	68.8	237.4	18,000	16,600	15,300	14,000		71.6	235.7	19,200	17,700	16,300	13,300	100	
105	67.6	235.2	16,500	15,200	14,000	12,900		70.4	233.5	17,600	16,300	15,000	13,300	105	
110	66.3	233.0	15,200	14,000	12,900	11,900		69.1	231.3	16,200	14,900	13,800	12,800	110	
115	65.0	230.6	13,900	12,800	11,900	10,900		67.8	228.8	14,900	13,800	12,700	11,800	115	
120	63.7	228.1	12,800	11,800	10,900	10,100		66.5	226.3	13,700	12,700	11,700	10,900	120	
125	62.4	225.4	11,800	10,900	10,000	9,200		65.2	223.6	12,600	11,700	10,800	10,000	125	
130	61.1	222.6	10,800	10,000	9,200	8,500		63.9	220.7	11,600	10,800	10,000	9,200	130	
135	59.8	219.6	9,900	9,200	8,500	7,800		62.5	217.7	10,700	9,900	9,200	8,500	135	
140	58.4	216.4	9,100	8,400	7,800	7,200		61.1	214.6	9,800	9,100	8,400	7,800	140	
145	57.0	213.1	8,400	7,700	7,100	6,600		59.8	211.2	9,100	8,400	7,800	7,200	145	
150	55.6	209.6	7,700	7,100	6,500	6,000		58.3	207.7	8,300	7,700	7,100	6,600	150	
155	54.2	206.0	7,000	6,500	6,000	5,400		56.9	204.0	7,600	7,100	6,500	6,000	155	
160	52.8	202.1	6,400	5,900	5,400	4,800		55.4	200.1	7,000	6,500	6,000	5,400	160	
165	51.3	198.0	5,900	5,300	4,800	4,200		53.9	196.0	6,400	5,900	5,400	4,900	165	
170	49.8	193.7	5,300	4,700	4,200	3,700		52.4	191.6	5,800	5,400	4,800	4,300	170	
175	48.2	189.2	4,700	4,200	3,700	3,200		50.8	187.0	5,300	4,800	4,300	3,800	175	
180	46.6	184.4	4,100	3,700	3,200			49.2	182.2	4,700	4,200	3,700	3,300	180	
185	45.0	179.3	3,600	3,200				47.6	177.0	4,100	3,700	3,200		185	
190	43.3	173.9	3,100					45.8	171.6	3,600	3,200			190	
195								44.1	165.8	3,100				195	
200														200	

# MLC150-1 S-1



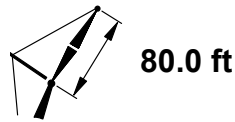
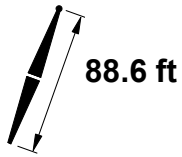
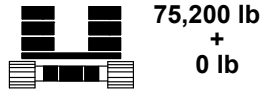
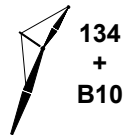
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
58							58
60							60
62							62
65							65
67							67
70							70
71							71
75							75
79							79
80							80
82	79.0	238.5	21,100				82
83	78.7	238.1	20,900				83
85	78.2	237.5	20,700				85
86	78.0	237.1	20,600	19,200			86
90	77.0	235.7	20,100	19,100	15,100		90
94	76.0	234.1	19,600	18,900	15,100	11,400	94
95	75.7	233.7	19,500	18,900	15,100	11,400	95
100	74.5	231.7	19,000	18,600	15,100	11,400	100
105	73.2	229.5	18,500	17,300	15,100	11,400	105
110	71.9	227.2	17,200	15,900	14,800	11,400	110
115	70.6	224.7	15,800	14,700	13,600	11,400	115
120	69.2	222.1	14,600	13,600	12,600	11,400	120
125	67.9	219.4	13,500	12,500	11,600	10,800	125
130	66.5	216.5	12,400	11,500	10,700	9,900	130
135	65.2	213.4	11,400	10,600	9,900	9,200	135
140	63.8	210.2	10,600	9,800	9,100	8,400	140
145	62.4	206.8	9,700	9,000	8,400	7,800	145
150	60.9	203.2	8,900	8,300	7,700	7,100	150
155	59.4	199.4	8,200	7,600	7,100	6,500	155
160	57.9	195.4	7,500	7,000	6,500	6,000	160
165	56.4	191.1	6,900	6,400	5,900	5,500	165
170	54.8	186.7	6,300	5,800	5,400	4,900	170
175	53.2	181.9	5,800	5,300	4,800	4,300	175
180	51.5	176.9	5,200	4,700	4,200	3,800	180
185	49.8	171.6	4,600	4,200	3,700	3,300	185
190	48.1	166.0	4,100	3,600	3,200		190
195	46.2	160.0	3,500	3,100			195
200	44.3	153.5	3,000				200

# MLC150-1 S-1



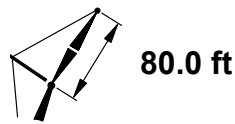
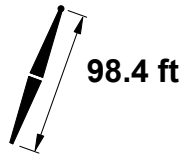
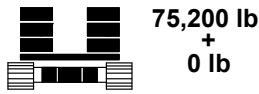
ft	5°							15°							ft
	°	ft	lb				°	ft	lb						
			0°	1°	2°	3°			0°	1°	2°	3°			
42	78.9	173.7	23,500											42	
44	78.2	173.2	23,300											44	
45	77.8	173.0	23,200	18,100										45	
46	77.5	172.7	23,100	18,100										46	
48	76.8	172.2	22,900	18,000	14,500									48	
50	76.1	171.7	22,700	18,000	14,400									50	
51	75.8	171.4	22,600	18,000	14,400	12,000								51	
55	74.4	170.2	22,200	17,800	14,300	11,900								55	
56	74.0	169.9	22,100	17,800	14,300	11,900	78.8	168.7	21,800					56	
59	73.0	168.9	21,800	17,800	14,300	11,900	77.8	167.7	21,500	18,000				59	
60	72.6	168.6	21,700	17,700	14,300	11,900	77.4	167.4	21,400	18,000				60	
62	71.9	167.9	21,500	17,700	14,300	11,900	76.7	166.7	21,200	17,900	14,500			62	
64	71.2	167.2	21,300	17,600	14,200	11,900	76.0	166.0	20,900	17,900	14,500	12,000		64	
65	70.8	166.8	21,200	17,600	14,200	11,800	75.6	165.6	20,800	17,900	14,500	12,000		65	
70	69.0	164.8	20,700	17,500	14,200	11,800	73.8	163.6	20,200	17,700	14,500	12,000		70	
73	67.9	163.5	20,400	17,400	14,100	11,800	72.7	162.3	19,900	17,400	14,500	12,000		73	
75	67.2	162.7	20,200	17,400	14,100	11,800	72.0	161.4	19,700	17,300	14,500	12,000		75	
78	66.1	161.3	20,000	17,300	14,000	11,700	70.8	160.0	19,400	17,000	14,400	12,000		78	
80	65.3	160.3	19,800	17,300	14,000	11,700	70.1	159.1	19,200	16,900	14,400	12,000		80	
85	63.5	157.8	19,400	17,100	14,000	11,600	68.2	156.5	18,700	16,500	14,400	12,000		85	
90	61.5	155.0	18,900	16,800	13,900	11,600	66.3	153.7	18,200	16,100	14,400	12,000		90	
95	59.6	152.0	18,600	16,400	13,800	11,600	64.3	150.7	17,800	15,800	14,200	12,000		95	
100	57.6	148.8	18,200	16,000	13,700	11,500	62.3	147.4	17,300	15,500	13,900	12,000		100	
105	55.5	145.3	17,700	15,600	13,700	11,500	60.2	143.9	16,900	15,100	13,700	12,000		105	
110	53.4	141.6	17,200	15,200	13,600	11,500	58.1	140.1	16,400	14,800	13,400	12,000		110	
115	51.3	137.5	16,700	14,900	13,400	11,400	55.9	136.0	16,100	14,500	13,100	12,000		115	
120	49.0	133.1	16,100	14,500	13,100	11,400	53.6	131.6	15,700	14,200	12,900	11,900		120	
125	46.7	128.4	15,100	14,300	12,900	11,400	51.3	126.8	15,200	13,900	12,700	11,700		125	
130	44.3	123.2	14,200	13,700	12,600	11,400	48.9	121.5	14,600	13,600	12,500	11,500		130	
135	41.8	117.6	13,300	12,900	12,400	11,300	46.3	115.8	13,700	13,200	12,300	11,300		135	
140	39.1	111.4	12,500	12,100	11,700	11,200	43.6	109.5	12,900	12,400	12,000	11,200		140	
145	36.3	104.6	11,800	11,400	11,000	10,700	40.7	102.6	12,100	11,700	11,300	11,000		145	
150	33.2	97.0	11,100	10,800	10,400	10,100	37.6	94.8	11,400	11,000	10,700	10,400		150	
157	28.3	84.0	10,200	9,900	9,600	9,400	32.4	81.4	10,400	10,200	9,900	9,600		157	
158	27.6	82.1	10,100	9,800	9,500		31.7	79.5	10,300	10,000	9,700	9,500		158	
160	26.2	78.4	9,800	9,600			30.3	75.7	10,000	9,800	9,500	9,200		160	
161	25.3	76.2	9,700				29.3	73.1	9,900	9,700	9,400	9,100		161	
162							28.4	70.6	9,800	9,500	9,300	9,000		162	
163							27.5	68.1	9,700	9,400	9,200			163	
164							26.6	65.5	9,600	9,300				164	
165							25.7	63.0	9,400					165	
166														166	
167														167	

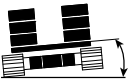
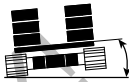
# MLC150-1 S-1



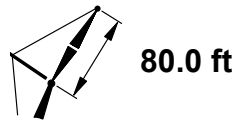
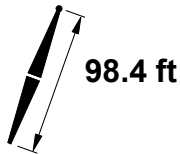
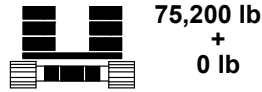
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
42							42
44							44
45							45
46							46
48							48
50							50
51							51
55							55
56							56
59							59
60							60
62							62
64							64
65							65
70	78.8	160.5	18,600				70
73	77.7	159.1	18,200	16,300			73
75	76.9	158.2	18,000	16,100	14,500		75
78	75.8	156.8	17,500	16,000	14,400	12,200	78
80	75.0	155.8	17,100	15,900	14,300	12,200	80
85	73.1	153.2	16,300	15,600	14,100	12,200	85
90	71.1	150.3	15,600	15,300	13,800	12,200	90
95	69.1	147.3	15,000	14,700	13,600	12,200	95
100	67.0	143.9	14,400	14,100	13,500	12,200	100
105	64.9	140.3	13,800	13,600	13,200	12,100	105
110	62.7	136.4	13,300	13,100	12,900	12,000	110
115	60.5	132.2	12,800	12,600	12,400	11,800	115
120	58.1	127.6	12,400	12,200	12,000	11,700	120
125	55.7	122.6	12,000	11,800	11,700	11,500	125
130	53.2	117.2	11,600	11,500	11,300	11,200	130
135	50.5	111.2	11,300	11,100	11,000	10,900	135
140	47.7	104.7	10,900	10,800	10,700	10,700	140
145	44.6	97.3	10,600	10,600	10,500	10,400	145
150	41.3	89.1	10,400	10,300	10,300	10,200	150
157	35.7	74.4	10,100	10,100	9,800	9,600	157
158	34.9	72.3	10,100	10,000	9,800	9,600	158
160	33.3	68.1	10,000	9,900	9,700	9,400	160
161	32.2	65.2	9,900	9,800	9,600	9,300	161
162	31.2	62.3	9,800	9,700	9,400	9,200	162
163	30.1	59.3	9,700	9,600	9,300	9,100	163
164	29.1	56.4	9,600	9,400	9,200	9,000	164
165	28.0	53.5	9,500	9,300	9,100		165
166	26.7	49.7	9,400	9,200			166
167	25.3	45.9	9,200				167

































































































































































































# MLC150-1 S-1



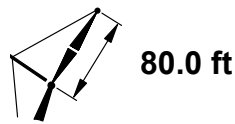
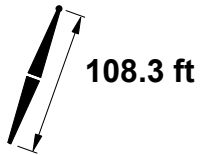
	5°							15°						
														
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
44	78.8	183.3	23,200											44
46	78.2	182.8	23,000											46
47	77.9	182.6	23,000	17,900										47
48	77.5	182.4	22,900	17,900										48
50	76.9	181.9	22,700	17,900	14,400									50
53	75.9	181.0	22,400	17,800	14,300	11,900								53
55	75.2	180.5	22,200	17,800	14,300	11,900								55
58	74.2	179.6	21,900	17,700	14,200	11,800	78.8	178.3	21,700					58
60	73.6	179.0	21,700	17,600	14,200	11,800	78.1	177.7	21,600					60
61	73.2	178.6	21,600	17,600	14,200	11,800	77.8	177.4	21,400	17,900				61
64	72.2	177.6	21,300	17,500	14,200	11,800	76.8	176.4	21,100	17,900	14,400			64
65	71.9	177.3	21,200	17,500	14,200	11,800	76.5	176.0	21,000	17,800	14,400			65
67	71.2	176.5	21,000	17,500	14,100	11,800	75.8	175.3	20,800	17,800	14,400	11,900		67
70	70.2	175.4	20,700	17,400	14,100	11,800	74.8	174.2	20,500	17,800	14,400	11,900		70
72	69.5	174.6	20,600	17,300	14,000	11,700	74.1	173.3	20,300	17,700	14,400	11,900		72
75	68.5	173.4	20,300	17,300	14,000	11,700	73.0	172.1	19,900	17,400	14,400	11,900		75
78	67.5	172.1	20,000	17,200	14,000	11,700	72.0	170.8	19,700	17,200	14,300	11,900		78
80	66.8	171.2	19,800	17,200	13,900	11,700	71.3	169.9	19,500	17,000	14,300	11,900		80
85	65.0	168.8	19,400	17,100	13,900	11,600	69.5	167.5	19,000	16,700	14,300	11,900		85
90	63.2	166.3	19,000	16,900	13,800	11,600	67.7	164.9	18,500	16,400	14,300	11,900		90
95	61.4	163.5	18,600	16,700	13,800	11,500	65.9	162.1	18,100	16,000	14,300	11,900		95
100	59.6	160.5	18,200	16,300	13,700	11,500	64.0	159.1	17,600	15,700	14,100	11,900		100
105	57.7	157.3	17,900	15,900	13,600	11,500	62.1	155.9	17,200	15,400	13,800	11,900		105
110	55.8	153.9	17,500	15,600	13,600	11,400	60.2	152.4	16,800	15,100	13,600	11,900		110
115	53.8	150.1	16,800	15,200	13,500	11,400	58.2	148.6	16,500	14,800	13,400	11,900		115
120	51.8	146.2	15,700	14,900	13,400	11,400	56.1	144.6	16,100	14,500	13,200	11,900		120
125	49.7	141.9	14,700	14,100	13,200	11,300	54.0	140.3	15,200	14,200	13,000	11,900		125
130	47.5	137.2	13,800	13,200	12,700	11,300	51.8	135.6	14,200	13,700	12,800	11,700		130
135	45.3	132.2	12,900	12,400	11,900	11,300	49.5	130.5	13,300	12,800	12,300	11,500		135
140	42.9	126.8	12,100	11,600	11,200	10,800	47.2	125.0	12,500	12,000	11,600	11,200		140
145	40.5	120.9	11,400	11,000	10,600	10,200	44.7	119.1	11,700	11,300	10,900	10,500		145
150	37.9	114.5	10,700	10,300	9,900	9,600	42.0	112.5	11,000	10,600	10,300	9,900		150
155	35.1	107.4	10,000	9,700	9,400	9,000	39.2	105.3	10,300	10,000	9,700	9,300		155
160	32.2	99.5	9,400	9,100	8,800	8,500	36.2	97.2	9,700	9,400	9,100	8,800		160
166	28.0	87.9	8,800	8,500	8,200	8,000	31.9	85.2	9,000	8,700	8,500	8,200		166
167	27.3	86.0	8,700	8,400	8,100		31.2	83.2	8,900	8,600	8,300	8,100		167
169	25.9	82.1	8,500	8,200			29.8	79.2	8,600	8,400	8,100	7,900		169
170	25.3	80.2	8,300				29.1	77.2	8,500	8,300	8,000	7,800		170
171							28.2	74.6	8,400	8,200	7,900	7,700		171
172							27.3	72.0	8,300	8,100	7,800			172
173							26.4	69.5	8,200	8,000				173
174							25.5	66.9	8,100					174
175														175

# MLC150-1 S-1



		25°					
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
							
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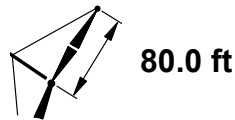
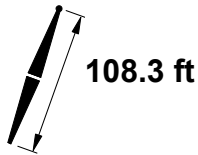
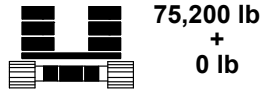
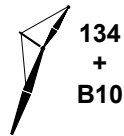
# MLC150-1 S-1



ft	5°							15°							ft
	°	ft	Capacity (lb)				°	ft	Capacity (lb)						
			0°	1°	2°	3°			0°	1°	2°	3°			
46	78.8	192.9	22,900											46	
48	78.2	192.5	22,800											48	
49	77.9	192.2	22,700	17,800										49	
50	77.6	192.0	22,600	17,700										50	
52	77.0	191.5	22,400	17,700	14,200									52	
55	76.0	190.7	22,100	17,700	14,200									55	
56	75.7	190.4	22,000	17,700	14,200	11,800								56	
60	74.5	189.3	21,700	17,500	14,100	11,700	78.8	188.0	21,700					60	
63	73.5	188.3	21,400	17,500	14,100	11,700	77.8	187.0	21,400	17,700				63	
65	72.9	187.7	21,200	17,400	14,100	11,700	77.2	186.4	21,100	17,700				65	
66	72.6	187.3	21,100	17,400	14,100	11,700	76.9	186.0	21,100	17,700	14,300			66	
69	71.6	186.3	20,800	17,300	14,000	11,700	75.9	185.0	20,800	17,700	14,300	11,900		69	
70	71.3	185.9	20,700	17,300	14,000	11,700	75.6	184.6	20,700	17,700	14,300	11,900		70	
74	70.0	184.4	20,400	17,200	14,000	11,600	74.3	183.1	20,300	17,600	14,300	11,900		74	
75	69.7	184.0	20,300	17,200	13,900	11,600	74.0	182.7	20,200	17,600	14,300	11,900		75	
77	69.0	183.2	20,100	17,200	13,900	11,600	73.3	181.9	20,000	17,400	14,300	11,900		77	
80	68.1	182.0	19,900	17,100	13,900	11,600	72.3	180.6	19,800	17,200	14,300	11,900		80	
83	67.1	180.6	19,600	17,100	13,900	11,600	71.3	179.3	19,400	17,000	14,300	11,900		83	
85	66.4	179.8	19,400	17,000	13,800	11,500	70.7	178.4	19,200	16,900	14,300	11,900		85	
90	64.7	177.3	19,000	16,900	13,800	11,500	69.0	176.0	18,800	16,600	14,300	11,900		90	
95	63.0	174.8	18,600	16,800	13,700	11,500	67.3	173.3	18,400	16,200	14,200	11,900		95	
100	61.3	172.0	18,300	16,500	13,600	11,400	65.5	170.5	18,000	16,000	14,200	11,900		100	
105	59.6	169.0	17,900	16,200	13,600	11,400	63.8	167.5	17,500	15,600	14,100	11,900		105	
110	57.8	165.8	17,600	15,900	13,500	11,400	62.0	164.3	17,200	15,300	13,800	11,900		110	
115	56.0	162.4	16,500	15,500	13,500	11,300	60.1	160.8	16,800	15,000	13,600	11,900		115	
120	54.1	158.7	15,400	14,700	13,400	11,300	58.2	157.1	16,000	14,800	13,400	11,900		120	
125	52.2	154.8	14,400	13,700	13,100	11,200	56.3	153.2	15,000	14,300	13,200	11,900		125	
130	50.2	150.6	13,500	12,900	12,300	11,200	54.3	148.9	14,000	13,400	12,800	11,900		130	
135	48.2	146.1	12,600	12,100	11,500	11,000	52.3	144.4	13,100	12,500	12,000	11,500		135	
140	46.1	141.2	11,800	11,300	10,800	10,400	50.1	139.4	12,300	11,800	11,300	10,800		140	
145	43.9	136.0	11,100	10,600	10,200	9,800	47.9	134.1	11,500	11,000	10,600	10,100		145	
150	41.6	130.3	10,400	10,000	9,600	9,200	45.6	128.4	10,800	10,300	9,900	9,500		150	
160	36.7	117.5	9,100	8,800	8,500	8,100	40.7	115.3	9,500	9,100	8,800	8,400		160	
170	31.2	101.9	8,000	7,800	7,500	7,200	34.9	99.4	8,300	8,000	7,700	7,400		170	
174	28.5	94.0	7,700	7,400	7,100	6,900	32.1	91.1	7,900	7,600	7,400	7,100		174	
176	27.2	90.1	7,500	7,200	7,000		30.8	86.9	7,700	7,400	7,200	6,900		176	
177	26.5	88.1	7,400	7,100			30.1	84.9	7,600	7,300	7,100	6,800		177	
179	25.2	84.2	7,200				28.7	80.7	7,400	7,100	6,900	6,700		179	
180							28.0	78.6	7,200	7,000	6,800			180	
181							27.1	76.0	7,100	6,900	6,700			181	
182							26.3	73.4	7,100	6,800				182	
183							25.4	70.8	7,000					183	
184														184	

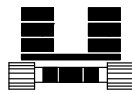


# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
46							46
48							48
49							49
50							50
52							52
55							55
56							56
60							60
63							63
65							65
66							66
69							69
70							70
74	78.8	179.7	18,600				74
75	78.4	179.3	18,500				75
77	77.8	178.4	18,200	16,300			77
80	76.8	177.2	17,800	16,100	14,500		80
83	75.7	175.8	17,400	16,000	14,400	12,100	83
85	75.1	174.9	17,100	15,900	14,300	12,100	85
90	73.3	172.4	16,400	15,600	14,100	12,100	90
95	71.6	169.7	15,800	15,300	13,900	12,100	95
100	69.8	166.9	15,200	14,900	13,700	12,100	100
105	68.0	163.8	14,700	14,400	13,500	12,100	105
110	66.2	160.5	14,100	13,900	13,300	12,100	110
115	64.3	156.9	13,700	13,400	13,200	12,100	115
120	62.3	153.1	13,200	13,000	12,800	12,000	120
125	60.4	149.0	12,800	12,600	12,400	11,800	125
130	58.3	144.7	12,400	12,200	12,100	11,700	130
135	56.2	139.9	12,100	11,900	11,700	11,600	135
140	54.0	134.9	11,700	11,600	11,400	11,200	140
145	51.7	129.4	11,400	11,300	11,000	10,500	145
150	49.3	123.4	11,100	10,700	10,300	9,900	150
160	44.1	109.7	9,800	9,400	9,100	8,700	160
170	38.0	92.7	8,500	8,200	7,900	7,700	170
174	34.9	83.5	8,100	7,800	7,500	7,300	174
176	33.4	79.0	7,800	7,600	7,300	7,100	176
177	32.6	76.7	7,700	7,500	7,200	7,000	177
179	31.1	72.1	7,500	7,200	7,000	6,800	179
180	30.3	69.8	7,400	7,100	6,900	6,700	180
181	29.3	66.7	7,300	7,000	6,800	6,600	181
182	28.3	63.5	7,100	6,900	6,700	6,500	182
183	27.3	60.4	7,000	6,800	6,600		183
184	26.2	57.3	6,900	6,700			184

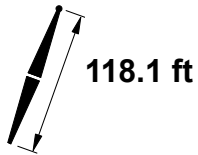
# MLC150-1 S-1



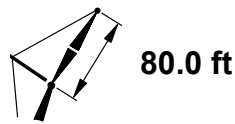
75,200 lb  
+  
0 lb



360°



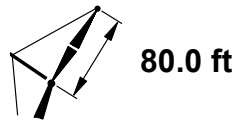
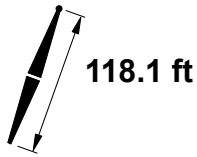
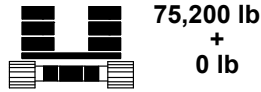
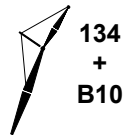
118.1 ft



80.0 ft

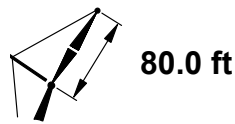
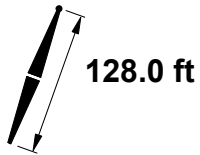
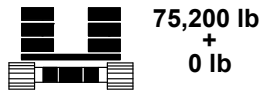
ft	5°							15°							ft
	°	ft	Capacity (lb)				°	ft	Capacity (lb)						
			0°	1°	2°	3°			0°	1°	2°	3°			
48	78.8	202.6	22,600											48	
50	78.2	202.1	22,500											50	
51	77.9	201.9	22,400	17,600										51	
55	76.7	200.9	22,100	17,600	14,100									55	
58	75.8	200.1	21,800	17,500	14,100	11,700								58	
60	75.3	199.5	21,600	17,500	14,100	11,700								60	
62	74.7	198.9	21,400	17,400	14,100	11,700	78.8	197.6	21,600					62	
65	73.8	198.0	21,200	17,300	14,000	11,600	77.9	196.7	21,300	17,700				65	
68	72.9	197.0	20,900	17,300	14,000	11,600	76.9	195.7	21,000	17,600	14,200			68	
70	72.3	196.4	20,700	17,200	14,000	11,600	76.3	195.0	20,800	17,600	14,200			70	
72	71.6	195.7	20,600	17,200	13,900	11,600	75.7	194.3	20,600	17,600	14,200	11,800		72	
75	70.7	194.6	20,300	17,100	13,900	11,500	74.8	193.2	20,400	17,500	14,200	11,800		75	
76	70.4	194.2	20,200	17,100	13,900	11,500	74.5	192.8	20,300	17,500	14,200	11,800		76	
79	69.5	193.0	20,000	17,000	13,800	11,500	73.6	191.6	20,000	17,400	14,200	11,800		79	
80	69.2	192.6	19,900	17,000	13,800	11,500	73.3	191.3	19,900	17,300	14,200	11,800		80	
82	68.6	191.8	19,700	17,000	13,800	11,500	72.6	190.4	19,700	17,200	14,200	11,800		82	
85	67.6	190.5	19,500	17,000	13,700	11,500	71.7	189.1	19,500	17,100	14,200	11,800		85	
90	66.1	188.3	19,100	16,800	13,700	11,400	70.1	186.9	19,100	16,800	14,100	11,800		90	
95	64.5	185.8	18,700	16,700	13,700	11,400	68.5	184.4	18,600	16,400	14,100	11,800		95	
100	62.9	183.2	18,300	16,600	13,500	11,400	66.9	181.8	18,200	16,100	14,100	11,800		100	
105	61.2	180.5	17,900	16,500	13,500	11,400	65.2	179.0	17,900	15,800	14,100	11,800		105	
110	59.6	177.5	17,300	16,100	13,500	11,300	63.6	176.0	17,500	15,600	14,000	11,800		110	
115	57.9	174.3	16,100	15,300	13,400	11,300	61.8	172.7	16,800	15,300	13,800	11,800		115	
120	56.1	170.9	15,000	14,200	13,400	11,200	60.1	169.3	15,700	14,900	13,500	11,800		120	
125	54.4	167.3	14,000	13,300	12,600	11,200	58.3	165.6	14,600	13,900	13,200	11,800		125	
130	52.6	163.4	13,000	12,400	11,800	11,200	56.5	161.7	13,600	13,000	12,400	11,800		130	
135	50.7	159.3	12,200	11,600	11,100	10,500	54.6	157.6	12,700	12,200	11,600	11,000		135	
140	48.8	154.8	11,400	10,900	10,400	9,900	52.7	153.1	11,900	11,400	10,800	10,300		140	
145	46.8	150.1	10,700	10,200	9,700	9,300	50.7	148.3	11,100	10,600	10,200	9,700		145	
150	44.8	145.0	10,000	9,500	9,100	8,700	48.6	143.2	10,400	10,000	9,500	9,100		150	
155	42.7	139.6	9,300	8,900	8,500	8,100	46.5	137.6	9,700	9,300	8,900	8,500		155	
160	40.5	133.7	8,700	8,400	8,000	7,600	44.2	131.7	9,100	8,700	8,400	8,000		160	
170	35.7	120.4	7,600	7,300	7,000	6,700	39.4	118.1	8,000	7,600	7,300	7,000		170	
180	30.3	104.2	6,700	6,400	6,200	5,900	33.8	101.5	6,900	6,600	6,400	6,100		180	
183	28.4	98.4	6,400	6,200	5,900	5,700	31.9	95.6	6,600	6,400	6,100	5,900		183	
185	27.2	94.6	6,200	6,000	5,800		30.6	91.6	6,400	6,200	6,000	5,700		185	
186	26.5	92.4	6,100	5,900			29.9	89.3	6,300	6,100	5,900	5,600		186	
188	25.1	88.1	6,000				28.4	84.7	6,200	5,900	5,700	5,500		188	
189							27.7	82.3	6,100	5,800	5,600			189	
190							27.0	80.0	6,000	5,800				190	
191							26.1	77.4	5,900	5,700				191	
192							25.3	74.7	5,800					192	
193														193	

# MLC150-1 S-1



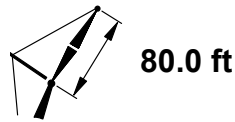
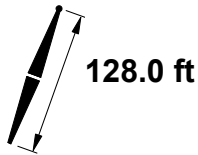
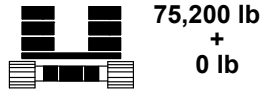
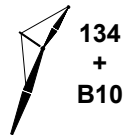
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
48							48
50							50
51							51
55							55
58							58
60							60
62							62
65							65
68							68
70							70
72							72
75							75
76	78.7	189.3	18,600				76
79	77.8	188.1	18,300	16,200			79
80	77.5	187.7	18,200	16,200			80
82	76.8	186.8	17,900	16,100	14,500		82
85	75.9	185.5	17,400	15,900	14,300	12,100	85
90	74.3	183.2	16,700	15,700	14,200	12,100	90
95	72.6	180.7	16,100	15,500	14,000	12,100	95
100	71.0	178.0	15,600	15,200	13,800	12,100	100
105	69.3	175.2	15,000	14,700	13,600	12,100	105
110	67.6	172.1	14,500	14,300	13,500	12,100	110
115	65.8	168.8	14,000	13,800	13,300	12,100	115
120	64.0	165.3	13,600	13,400	13,100	12,100	120
125	62.2	161.5	13,200	13,000	12,800	11,900	125
130	60.3	157.5	12,800	12,600	12,400	11,900	130
135	58.4	153.2	12,400	12,300	12,100	11,600	135
140	56.4	148.6	12,100	11,900	11,300	10,800	140
145	54.3	143.6	11,600	11,100	10,600	10,100	145
150	52.2	138.3	10,900	10,400	9,900	9,500	150
155	50.0	132.6	10,100	9,700	9,300	8,900	155
160	47.6	126.3	9,500	9,100	8,700	8,300	160
170	42.5	112.1	8,200	7,900	7,600	7,300	170
180	36.6	94.4	7,100	6,800	6,600	6,300	180
183	34.5	87.9	6,800	6,500	6,300	6,100	183
185	33.1	83.6	6,600	6,300	6,100	5,900	185
186	32.3	81.0	6,500	6,200	6,000	5,800	186
188	30.6	75.8	6,300	6,100	5,800	5,600	188
189	29.8	73.1	6,200	6,000	5,700	5,500	189
190	29.0	70.5	6,100	5,900	5,600	5,400	190
191	28.0	67.4	6,000	5,800	5,600	5,400	191
192	27.0	64.2	5,900	5,700	5,500		192
193	26.1	61.0	5,800	5,600			193

# MLC150-1 S-1



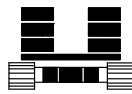
	5°							15°						
			75,200 lb + 0 lb						75,200 lb + 0 lb					
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
50	78.8	212.2	22,400											50
53	77.9	211.5	22,100	17,500										53
55	77.4	211.0	22,000	17,400										55
57	76.8	210.5	21,800	17,400	14,000									57
60	76.0	209.7	21,600	17,300	14,000	11,600								60
64	74.8	208.6	21,200	17,200	13,900	11,600		78.7	207.2	21,500				64
65	74.5	208.3	21,100	17,200	13,900	11,600		78.5	206.9	21,400				65
67	74.0	207.7	21,000	17,200	13,900	11,600		77.9	206.3	21,200	17,500			67
70	73.1	206.8	20,700	17,100	13,800	11,500		77.0	205.4	21,000	17,500			70
71	72.8	206.4	20,600	17,100	13,800	11,500		76.7	205.0	20,900	17,500	14,100		71
74	72.0	205.4	20,400	17,000	13,800	11,500		75.9	204.0	20,600	17,500	14,100	11,800	74
75	71.7	205.1	20,300	17,000	13,800	11,500		75.6	203.7	20,500	17,400	14,100	11,700	75
78	70.8	204.0	20,100	17,000	13,700	11,500		74.7	202.5	20,300	17,400	14,100	11,700	78
80	70.2	203.2	19,900	16,900	13,700	11,500		74.1	201.8	20,100	17,400	14,100	11,700	80
81	69.9	202.8	19,800	16,900	13,700	11,500		73.8	201.4	20,000	17,400	14,100	11,700	81
84	69.0	201.6	19,600	16,800	13,600	11,400		72.9	200.2	19,800	17,200	14,100	11,700	84
85	68.8	201.2	19,500	16,800	13,600	11,400		72.6	199.8	19,700	17,100	14,100	11,700	85
88	67.9	199.9	19,300	16,800	13,600	11,400		71.7	198.5	19,400	17,000	14,100	11,700	88
90	67.3	199.1	19,100	16,700	13,600	11,400		71.1	197.6	19,300	16,900	14,100	11,700	90
95	65.8	196.8	18,700	16,600	13,500	11,300		69.6	195.3	18,900	16,500	14,100	11,700	95
100	64.3	194.3	18,300	16,600	13,500	11,300		68.1	192.9	18,500	16,300	14,100	11,700	100
105	62.7	191.7	18,200	16,500	13,500	11,300		66.5	190.2	18,100	16,000	14,000	11,700	105
110	61.1	188.9	17,000	16,000	13,400	11,300		65.0	187.4	17,800	15,700	14,000	11,700	110
115	59.6	185.9	15,700	14,900	13,300	11,200		63.4	184.4	16,500	15,500	14,000	11,700	115
120	57.9	182.8	14,600	13,800	13,100	11,200		61.7	181.2	15,400	14,500	13,800	11,700	120
125	56.3	179.4	13,600	12,900	12,200	11,100		60.1	177.8	14,300	13,600	12,800	11,700	125
130	54.6	175.8	12,700	12,000	11,400	10,800		58.4	174.2	13,300	12,600	12,000	11,400	130
135	52.9	172.0	11,800	11,200	10,600	10,100		56.6	170.3	12,400	11,800	11,200	10,600	135
140	51.1	167.9	11,000	10,500	9,900	9,400		54.9	166.2	11,600	11,000	10,500	9,900	140
150	47.5	159.0	9,600	9,100	8,700	8,200		51.2	157.1	10,100	9,600	9,100	8,700	150
160	43.6	148.7	8,400	8,000	7,600	7,200		47.2	146.8	8,800	8,400	8,000	7,600	160
170	39.4	137.0	7,300	6,900	6,600	6,300		42.9	134.8	7,600	7,300	6,900	6,600	170
180	34.7	123.1	6,300	6,000	5,700	5,500		38.2	120.7	6,600	6,300	6,000	5,700	180
190	29.4	106.4	5,400	5,200	5,000	4,700		32.7	103.6	5,700	5,400	5,200	4,900	190
192	28.2	102.4	5,300	5,000	4,800	4,600		31.5	99.5	5,500	5,300	5,000	4,800	192
193	27.6	100.5	5,200	5,000	4,700			30.9	97.4	5,400	5,200	4,900	4,700	193
195	26.4	96.5	5,000	4,800				29.6	93.3	5,200	5,000	4,800	4,600	195
197	25.1	92.1	4,900					28.2	88.5	5,100	4,800	4,600	4,400	197
198								27.5	86.1	5,000	4,800	4,600		198
199								26.8	83.7	4,900	4,700			199
200								26.0	81.4	4,800	4,600			200
201								25.3	78.7	4,700				201
202														202

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
50							50
53							53
55							55
57							57
60							60
64							64
65							65
67							67
70							70
71							71
74							74
75							75
78	78.7	198.9	18,500				78
80	78.1	198.2	18,400				80
81	77.8	197.8	18,200	16,200			81
84	76.9	196.5	17,900	16,100	14,400		84
85	76.6	196.1	17,800	16,000	14,400		85
88	75.7	194.8	17,400	15,900	14,300	12,000	88
90	75.1	193.9	17,100	15,800	14,200	12,000	90
95	73.5	191.6	16,500	15,600	14,100	12,000	95
100	72.0	189.0	15,900	15,400	13,900	12,000	100
105	70.4	186.3	15,400	15,100	13,700	12,000	105
110	68.8	183.5	14,900	14,600	13,500	12,000	110
115	67.2	180.4	14,400	14,100	13,400	12,000	115
120	65.5	177.1	14,000	13,700	13,300	12,000	120
125	63.8	173.6	13,500	13,300	13,100	12,000	125
130	62.0	169.9	13,200	12,900	12,600	11,900	130
135	60.3	165.9	12,800	12,400	11,800	11,200	135
140	58.4	161.7	12,200	11,600	11,000	10,500	140
150	54.6	152.4	10,600	10,100	9,600	9,100	150
160	50.5	141.7	9,200	8,800	8,400	8,000	160
170	46.1	129.2	8,000	7,600	7,300	6,900	170
180	41.1	114.4	6,900	6,600	6,300	6,000	180
190	35.3	96.0	5,900	5,600	5,400	5,100	190
192	33.9	91.5	5,700	5,400	5,200	5,000	192
193	33.2	89.3	5,600	5,300	5,100	4,900	193
195	31.8	84.8	5,400	5,100	4,900	4,700	195
197	30.2	79.4	5,200	5,000	4,800	4,500	197
198	29.4	76.7	5,100	4,900	4,700	4,500	198
199	28.6	73.9	5,000	4,800	4,600	4,400	199
200	27.8	71.2	4,900	4,700	4,500		200
201	26.8	68.0	4,800	4,600			201
202	25.9	64.8	4,700				202

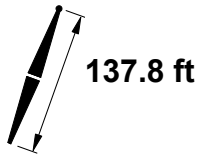
# MLC150-1 S-1



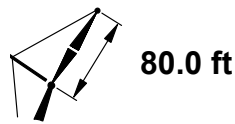
75,200 lb  
+  
0 lb



360°



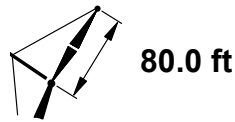
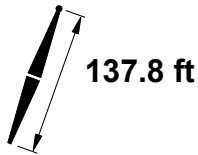
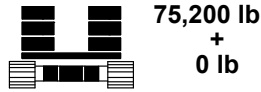
137.8 ft



80.0 ft

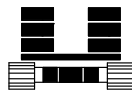
	5°							15°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
52	78.7	221.8	22,100											52
55	77.9	221.2	21,900	17,200										55
59	76.9	220.2	21,600	17,200	13,800									59
60	76.6	219.9	21,500	17,200	13,800									60
63	75.8	219.1	21,200	17,100	13,800	11,500								63
65	75.3	218.6	21,100	17,100	13,800	11,400	79.0	217.2	21,300					65
69	74.2	217.4	20,800	17,000	13,700	11,400	77.9	216.0	21,000	17,400				69
70	73.9	217.1	20,700	17,000	13,700	11,400	77.6	215.7	21,000	17,300				70
73	73.1	216.1	20,400	17,000	13,700	11,400	76.8	214.7	20,800	17,300	14,000			73
75	72.5	215.5	20,200	16,900	13,700	11,400	76.2	214.0	20,600	17,300	14,000			75
76	72.2	215.1	20,200	16,900	13,700	11,400	76.0	213.7	20,600	17,300	14,000	11,700		76
79	71.4	214.1	19,900	16,800	13,600	11,400	75.1	212.6	20,300	17,300	14,000	11,600		79
80	71.1	213.7	19,900	16,800	13,600	11,400	74.9	212.3	20,200	17,300	13,900	11,600		80
83	70.3	212.6	19,600	16,700	13,600	11,300	74.0	211.1	20,000	17,300	13,900	11,600		83
85	69.8	211.8	19,500	16,700	13,600	11,300	73.5	210.4	19,800	17,300	13,900	11,600		85
86	69.5	211.4	19,400	16,700	13,500	11,300	73.2	210.0	19,800	17,200	13,900	11,600		86
90	68.4	209.8	19,100	16,600	13,500	11,300	72.0	208.3	19,500	17,000	13,900	11,600		90
95	66.9	207.6	18,700	16,500	13,500	11,300	70.6	206.1	19,100	16,700	13,900	11,600		95
100	65.5	205.3	18,400	16,500	13,400	11,200	69.2	203.8	18,700	16,400	13,900	11,600		100
105	64.0	202.8	17,900	16,400	13,400	11,200	67.7	201.3	18,400	16,200	13,900	11,600		105
110	62.6	200.2	16,600	15,500	13,300	11,200	66.2	198.7	17,500	15,900	13,900	11,600		110
115	61.1	197.4	15,300	14,400	13,300	11,100	64.7	195.8	16,200	15,200	13,900	11,600		115
120	59.6	194.4	14,200	13,400	12,600	11,100	63.2	192.8	15,000	14,200	13,300	11,600		120
125	58.0	191.3	13,200	12,400	11,700	11,000	61.6	189.6	14,000	13,200	12,400	11,600		125
130	56.4	187.9	12,300	11,600	10,900	10,300	60.0	186.2	13,000	12,300	11,600	10,900		130
135	54.8	184.3	11,400	10,800	10,100	9,600	58.4	182.7	12,100	11,400	10,800	10,200		135
140	53.2	180.6	10,600	10,000	9,500	8,900	56.8	178.8	11,200	10,600	10,000	9,500		140
150	49.8	172.3	9,200	8,700	8,200	7,700	53.4	170.5	9,700	9,200	8,700	8,200		150
160	46.3	163.0	8,000	7,500	7,100	6,700	49.7	161.0	8,400	8,000	7,600	7,100		160
170	42.5	152.3	6,900	6,500	6,100	5,800	45.9	150.3	7,300	6,900	6,500	6,200		170
180	38.4	140.1	5,900	5,600	5,300	5,000	41.7	137.8	6,200	5,900	5,600	5,300		180
190	33.8	125.8	5,000	4,800	4,500	4,200	37.1	123.3	5,300	5,000	4,800	4,500		190
200	28.6	108.6	4,300	4,000	3,800	3,500	31.8	105.6	4,500	4,200	4,000	3,800		200
201	28.0	106.5	4,200	4,000	3,700	3,400	31.1	103.5	4,400	4,200	3,900	3,700		201
202	27.4	104.5	4,100	3,900	3,600		30.5	101.3	4,300	4,100	3,900	3,600		202
204	26.2	100.4	4,000	3,700			29.3	97.1	4,200	3,900	3,700	3,400		204
205	25.6	98.3	3,900				28.7	95.0	4,100	3,900	3,600	3,400		205
206							28.0	92.5	4,000	3,800	3,500	3,300		206
207							27.3	90.0	3,900	3,700	3,400			207
208							26.6	87.6	3,800	3,600				208
209							25.9	85.1	3,800					209
210							25.2	82.6	3,700					210
211														211

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
52							52
55							55
59							59
60							60
63							63
65							65
69							69
70							70
73							73
75							75
76							76
79	79.0	208.9	18,500				79
80	78.7	208.6	18,500				80
83	77.8	207.4	18,200	16,200			83
85	77.3	206.6	18,100	16,100			85
86	77.0	206.2	18,000	16,000	14,300		86
90	75.8	204.6	17,400	15,900	14,300	11,900	90
95	74.4	202.3	16,800	15,700	14,100	11,900	95
100	72.9	199.9	16,200	15,500	14,000	11,900	100
105	71.4	197.4	15,700	15,300	13,800	11,900	105
110	69.9	194.7	15,200	14,900	13,700	11,900	110
115	68.3	191.8	14,800	14,500	13,500	11,900	115
120	66.8	188.7	14,300	14,000	13,300	11,900	120
125	65.2	185.5	13,900	13,600	13,100	11,900	125
130	63.6	182.0	13,500	13,000	12,300	11,600	130
135	61.9	178.3	12,800	12,100	11,400	10,800	135
140	60.2	174.4	11,900	11,200	10,600	10,100	140
150	56.7	165.8	10,300	9,800	9,200	8,700	150
160	53.0	156.1	8,900	8,400	8,000	7,600	160
170	49.0	144.9	7,700	7,300	6,900	6,500	170
180	44.6	132.0	6,600	6,200	5,900	5,600	180
190	39.8	116.6	5,600	5,300	5,000	4,700	190
200	34.0	97.6	4,600	4,400	4,200	4,000	200
201	33.4	95.3	4,600	4,300	4,100	3,900	201
202	32.7	92.9	4,500	4,200	4,000	3,800	202
204	31.3	88.3	4,300	4,100	3,900	3,600	204
205	30.7	86.0	4,200	4,000	3,800	3,500	205
206	29.9	83.1	4,100	3,900	3,700	3,400	206
207	29.1	80.3	4,000	3,800	3,600	3,300	207
208	28.3	77.5	3,900	3,700	3,500	3,200	208
209	27.5	74.7	3,900	3,600	3,400		209
210	26.7	71.9	3,800	3,500			210
211	25.8	68.6	3,700				211

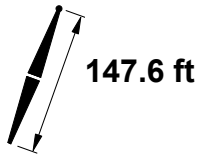
# MLC150-1 S-1



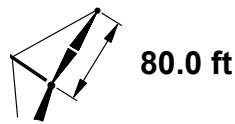
75,200 lb  
+  
0 lb



360°



147.6 ft

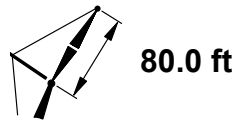
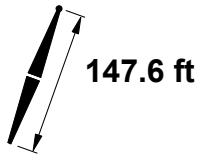
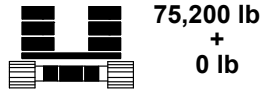
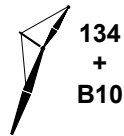


80.0 ft

ft	5°							15°							ft
	°	ft	lb				°	ft	lb						
			0°	1°	2°	3°			0°	1°	2°	3°			
53	79.0	231.7	21,800											53	
55	78.5	231.3	21,700											55	
57	78.0	230.8	21,600	17,100										57	
60	77.2	230.1	21,400	17,100										60	
61	76.9	229.8	21,300	17,000	13,700									61	
65	75.9	228.8	21,000	17,000	13,700	11,400								65	
67	75.4	228.2	20,800	16,900	13,600	11,400	79.0	226.8	21,200					67	
70	74.6	227.4	20,600	16,900	13,600	11,300	78.2	225.9	20,900					70	
71	74.3	227.1	20,500	16,900	13,600	11,300	77.9	225.6	20,800	17,200				71	
75	73.3	225.8	20,200	16,800	13,600	11,300	76.9	224.4	20,600	17,200	13,900			75	
79	72.2	224.5	19,900	16,700	13,500	11,300	75.8	223.0	20,300	17,200	13,800	11,500		79	
80	72.0	224.2	19,800	16,700	13,500	11,300	75.5	222.7	20,200	17,200	13,800	11,500		80	
81	71.7	223.8	19,700	16,600	13,500	11,300	75.3	222.3	20,200	17,200	13,800	11,500		81	
85	70.7	222.4	19,500	16,600	13,400	11,200	74.2	220.9	19,900	17,100	13,800	11,500		85	
89	69.6	220.8	19,200	16,500	13,400	11,200	73.1	219.3	19,700	17,100	13,800	11,500		89	
90	69.3	220.4	19,100	16,500	13,400	11,200	72.9	218.9	19,600	17,100	13,800	11,500		90	
92	68.8	219.6	18,900	16,500	13,400	11,200	72.3	218.1	19,500	17,000	13,800	11,500		92	
95	68.0	218.4	18,700	16,400	13,400	11,200	71.5	216.9	19,200	16,800	13,800	11,500		95	
100	66.6	216.2	18,300	16,300	13,300	11,100	70.1	214.6	18,900	16,600	13,800	11,500		100	
105	65.2	213.8	17,600	16,200	13,200	11,100	68.7	212.3	18,500	16,300	13,800	11,500		105	
110	63.8	211.3	16,300	15,200	13,200	11,100	67.3	209.8	17,200	16,000	13,800	11,500		110	
115	62.4	208.7	15,000	14,100	13,100	11,000	65.9	207.1	15,900	14,900	13,800	11,500		115	
120	61.0	205.9	13,900	13,000	12,200	11,000	64.5	204.3	14,800	13,900	13,000	11,500		120	
125	59.6	202.9	12,900	12,100	11,300	10,600	63.0	201.3	13,700	12,900	12,100	11,300		125	
130	58.1	199.7	12,000	11,200	10,500	9,800	61.5	198.1	12,700	11,900	11,200	10,500		130	
135	56.6	196.4	11,100	10,400	9,800	9,200	60.0	194.7	11,800	11,100	10,400	9,800		135	
140	55.1	192.9	10,300	9,700	9,100	8,500	58.5	191.1	11,000	10,300	9,700	9,100		140	
145	53.5	189.1	9,600	9,000	8,400	7,900	56.9	187.4	10,200	9,600	9,000	8,500		145	
150	51.9	185.2	8,900	8,300	7,800	7,300	55.3	183.4	9,500	8,900	8,400	7,900		150	
155	50.3	181.0	8,200	7,700	7,300	6,800	53.6	179.1	8,800	8,300	7,800	7,300		155	
160	48.6	176.5	7,600	7,200	6,700	6,300	52.0	174.7	8,200	7,700	7,200	6,800		160	
165	46.9	171.8	7,100	6,600	6,200	5,800	50.2	169.9	7,600	7,100	6,700	6,300		165	
170	45.1	166.8	6,500	6,200	5,800	5,400	48.4	164.8	7,000	6,600	6,200	5,800		170	
175	43.3	161.5	6,000	5,700	5,300	5,000	46.6	159.4	6,500	6,100	5,700	5,400		175	
180	41.4	155.8	5,600	5,200	4,900	4,600	44.7	153.6	6,000	5,600	5,300	5,000		180	
185	39.5	149.7	5,100	4,800	4,500	4,200	42.7	147.5	5,500	5,200	4,900	4,600		185	
190	37.4	143.2	4,700	4,400	4,100	3,700	40.6	140.8	5,100	4,800	4,500	4,100		190	
195	35.2	136.1	4,300	4,000	3,700	3,400	38.4	133.6	4,600	4,300	4,000	3,700		195	
200	33.0	128.4	3,900	3,600	3,300	3,000	36.1	125.8	4,200	3,900	3,600	3,300		200	
205	30.5	120.0	3,500	3,200			33.6	117.1	3,800	3,500	3,200			205	
210	27.9	110.6	3,100				30.8	107.5	3,300	3,100				210	
215														215	

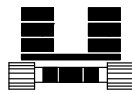


# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
53							53
55							55
57							57
60							60
61							61
65							65
67							67
70							70
71							71
75							75
79							79
80							80
81	78.9	218.6	18,500				81
85	77.9	217.1	18,300	16,100			85
89	76.8	215.5	17,800	15,900	14,200		89
90	76.5	215.1	17,700	15,900	14,200		90
92	75.9	214.2	17,500	15,800	14,200	11,300	92
95	75.1	213.0	17,100	15,700	14,200	11,300	95
100	73.7	210.7	16,500	15,600	14,000	11,300	100
105	72.3	208.3	16,000	15,400	13,900	11,300	105
110	70.9	205.8	15,500	15,100	13,700	11,300	110
115	69.4	203.0	15,000	14,800	13,600	11,300	115
120	67.9	200.1	14,600	14,400	13,400	11,300	120
125	66.4	197.1	14,200	13,700	12,800	11,300	125
130	64.9	193.8	13,500	12,700	11,900	11,200	130
135	63.4	190.4	12,500	11,800	11,100	10,500	135
140	61.8	186.7	11,600	11,000	10,300	9,700	140
145	60.2	182.8	10,800	10,200	9,600	9,100	145
150	58.5	178.7	10,100	9,500	8,900	8,400	150
155	56.8	174.4	9,300	8,800	8,300	7,800	155
160	55.1	169.8	8,700	8,200	7,700	7,300	160
165	53.3	164.9	8,000	7,600	7,100	6,700	165
170	51.5	159.6	7,400	7,000	6,600	6,200	170
175	49.6	154.0	6,900	6,500	6,100	5,700	175
180	47.6	148.0	6,300	6,000	5,600	5,300	180
185	45.5	141.6	5,800	5,500	5,200	4,900	185
190	43.3	134.6	5,400	5,000	4,700	4,400	190
195	41.0	127.1	4,900	4,600	4,300	4,000	195
200	38.5	118.7	4,400	4,200	3,900	3,600	200
205	35.9	109.5	4,000	3,700	3,400	3,100	205
210	32.9	99.1	3,500	3,200	3,000		210
215	29.6	87.1	3,000				215

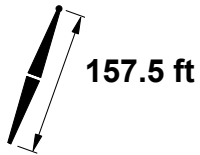
# MLC150-1 S-1



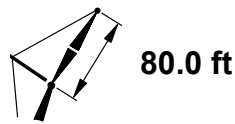
75,200 lb  
+  
0 lb



360°



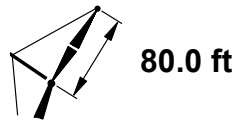
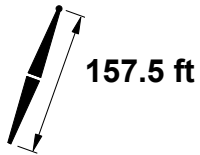
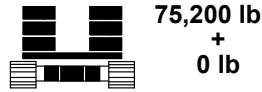
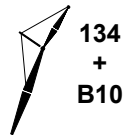
157.5 ft



80.0 ft

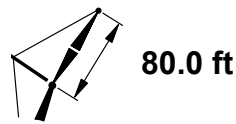
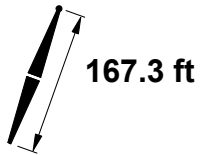
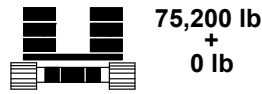
	5°							15°							
			0°								0°				
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft	
55	79.0	241.3	21,500											55	
59	78.0	240.4	21,300	16,900										59	
60	77.7	240.2	21,200	16,900										60	
63	77.0	239.5	21,000	16,800	13,500									63	
65	76.5	239.0	20,900	16,800	13,500									65	
67	76.0	238.4	20,700	16,700	13,500	11,200								67	
69	75.5	237.9	20,600	16,700	13,500	11,200	78.9	236.4	20,900					69	
70	75.3	237.6	20,500	16,700	13,500	11,200	78.7	236.1	20,900					70	
73	74.5	236.7	20,300	16,600	13,500	11,200	77.9	235.2	20,700	17,000				73	
75	74.0	236.1	20,100	16,600	13,500	11,200	77.4	234.6	20,600	17,000				75	
77	73.5	235.5	20,000	16,600	13,400	11,200	76.9	234.0	20,400	17,000	13,700			77	
80	72.8	234.6	19,700	16,500	13,400	11,200	76.2	233.0	20,200	17,000	13,700			80	
81	72.5	234.2	19,700	16,500	13,400	11,200	75.9	232.7	20,100	17,000	13,700	11,400		81	
83	72.0	233.5	19,500	16,500	13,400	11,100	75.4	232.0	20,000	17,000	13,700	11,400		83	
85	71.5	232.8	19,400	16,400	13,300	11,100	74.9	231.3	19,900	17,000	13,700	11,400		85	
87	71.0	232.1	19,200	16,400	13,300	11,100	74.4	230.6	19,700	17,000	13,700	11,400		87	
90	70.2	231.0	19,000	16,400	13,300	11,100	73.6	229.5	19,600	16,900	13,700	11,400		90	
91	70.0	230.6	19,000	16,400	13,300	11,100	73.3	229.1	19,500	16,900	13,700	11,400		91	
95	68.9	229.0	18,700	16,300	13,200	11,100	72.3	227.5	19,300	16,900	13,700	11,400		95	
100	67.6	226.9	18,300	16,200	13,200	11,000	71.0	225.4	19,000	16,600	13,700	11,400		100	
105	66.3	224.7	17,200	16,000	13,100	11,000	69.7	223.1	18,300	16,400	13,700	11,400		105	
110	65.0	222.3	15,900	14,700	13,100	11,000	68.4	220.8	16,900	15,700	13,700	11,400		110	
115	63.7	219.8	14,600	13,600	12,700	10,900	67.0	218.2	15,600	14,600	13,600	11,400		115	
120	62.3	217.2	13,500	12,600	11,700	10,900	65.6	215.5	14,400	13,500	12,600	11,400		120	
125	60.9	214.4	12,500	11,700	10,900	10,100	64.3	212.7	13,400	12,500	11,700	10,900		125	
130	59.6	211.4	11,600	10,800	10,100	9,400	62.9	209.7	12,400	11,600	10,800	10,100		130	
135	58.1	208.2	10,700	10,000	9,300	8,700	61.4	206.5	11,500	10,700	10,000	9,400		135	
140	56.7	204.9	9,900	9,200	8,600	8,000	60.0	203.2	10,600	9,900	9,300	8,700		140	
145	55.2	201.4	9,200	8,600	8,000	7,400	58.5	199.6	9,800	9,200	8,600	8,000		145	
150	53.8	197.7	8,500	7,900	7,400	6,900	57.0	195.9	9,100	8,500	8,000	7,400		150	
155	52.2	193.8	7,800	7,300	6,800	6,300	55.5	192.0	8,400	7,900	7,400	6,900		155	
160	50.7	189.7	7,200	6,700	6,300	5,800	53.9	187.8	7,800	7,300	6,800	6,400		160	
165	49.1	185.3	6,700	6,200	5,800	5,400	52.3	183.4	7,200	6,700	6,300	5,900		165	
170	47.5	180.7	6,100	5,700	5,300	4,900	50.7	178.7	6,600	6,200	5,800	5,400		170	
175	45.8	175.8	5,600	5,300	4,900	4,400	49.0	173.8	6,100	5,700	5,300	4,900		175	
180	44.1	170.6	5,200	4,800	4,400	4,000	47.2	168.5	5,600	5,200	4,900	4,500		180	
185	42.3	165.1	4,700	4,300	3,900	3,500	45.4	162.9	5,100	4,800	4,400	4,000		185	
190	40.4	159.2	4,200	3,900	3,500	3,100	43.5	156.9	4,700	4,300	3,900	3,500		190	
195	38.5	152.9	3,800	3,400	3,100		41.6	150.5	4,200	3,800	3,500	3,100		195	
200	36.5	146.1	3,300	3,000			39.6	143.7	3,700	3,400	3,000			200	
205							37.4	136.2	3,300					205	
210														210	

# MLC150-1 S-1



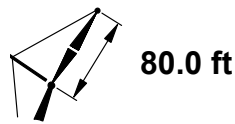
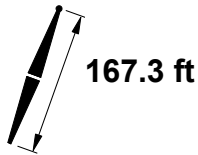
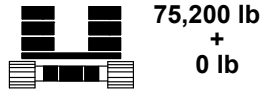
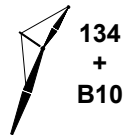
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
55							55
59							59
60							60
63							63
65							65
67							67
69							69
70							70
73							73
75							75
77							77
80							80
81							81
83	78.9	228.2	18,400				83
85	78.4	227.5	18,300				85
87	77.9	226.7	18,200	16,100			87
90	77.1	225.6	18,000	15,900			90
91	76.8	225.2	17,800	15,900	13,900		91
95	75.8	223.6	17,400	15,800	13,900	10,700	95
100	74.4	221.4	16,800	15,600	13,900	10,700	100
105	73.1	219.1	16,300	15,400	13,900	10,700	105
110	71.7	216.7	15,800	15,300	13,800	10,700	110
115	70.4	214.1	15,300	15,000	13,600	10,700	115
120	69.0	211.4	14,900	14,400	13,500	10,700	120
125	67.6	208.5	14,200	13,300	12,500	10,700	125
130	66.1	205.4	13,200	12,400	11,600	10,700	130
135	64.7	202.2	12,200	11,500	10,800	10,100	135
140	63.2	198.7	11,400	10,700	10,000	9,300	140
145	61.7	195.1	10,500	9,900	9,300	8,700	145
150	60.2	191.3	9,800	9,200	8,600	8,000	150
155	58.6	187.3	9,000	8,500	7,900	7,400	155
160	57.0	183.0	8,400	7,800	7,400	6,900	160
165	55.3	178.4	7,700	7,300	6,800	6,300	165
170	53.6	173.6	7,100	6,700	6,300	5,800	170
175	51.9	168.5	6,600	6,200	5,800	5,400	175
180	50.1	163.1	6,000	5,600	5,300	4,900	180
185	48.2	157.3	5,500	5,200	4,800	4,500	185
190	46.3	151.1	5,000	4,700	4,400	4,000	190
195	44.2	144.4	4,600	4,200	3,900	3,500	195
200	42.1	137.2	4,100	3,700	3,400	3,000	200
205	39.8	129.4	3,600	3,300			205
210	37.4	120.8	3,100				210

# MLC150-1 S-1



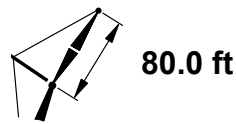
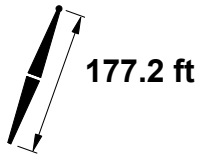
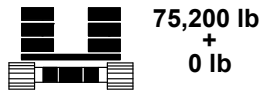
	5°							15°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
57	78.9	251.0	21,200												57
60	78.2	250.3	21,000												60
61	78.0	250.1	21,000	16,600											61
65	77.0	249.1	20,700	16,600											65
66	76.8	248.9	20,700	16,600	13,400										66
70	75.9	247.8	20,400	16,500	13,300	11,100									70
71	75.6	247.5	20,300	16,500	13,300	11,100	78.9	246.0	20,700						71
75	74.7	246.4	20,000	16,500	13,300	11,100	77.9	244.9	20,400	16,900					75
79	73.7	245.2	19,800	16,400	13,300	11,000	77.0	243.7	20,200	16,800	13,600				79
80	73.5	244.9	19,700	16,400	13,300	11,000	76.7	243.4	20,100	16,800	13,600				80
84	72.5	243.6	19,400	16,300	13,200	11,000	75.8	242.0	19,900	16,800	13,600	11,300			84
85	72.3	243.3	19,300	16,300	13,200	11,000	75.5	241.7	19,800	16,800	13,600	11,300			85
89	71.3	241.9	19,100	16,200	13,200	11,000	74.5	240.3	19,600	16,800	13,600	11,300			89
90	71.0	241.5	19,000	16,200	13,100	11,000	74.3	240.0	19,600	16,800	13,600	11,300			90
93	70.3	240.4	18,800	16,200	13,100	11,000	73.5	238.8	19,400	16,800	13,600	11,300			93
95	69.8	239.6	18,600	16,100	13,100	10,900	73.1	238.1	19,200	16,800	13,600	11,300			95
97	69.3	238.8	18,500	16,100	13,100	10,900	72.6	237.3	19,100	16,700	13,600	11,300			97
100	68.6	237.6	18,300	16,100	13,100	10,900	71.8	236.1	19,000	16,700	13,600	11,300			100
105	67.3	235.5	16,900	15,600	13,000	10,900	70.6	233.9	18,000	16,500	13,600	11,300			105
110	66.1	233.2	15,500	14,300	13,000	10,800	69.3	231.6	16,600	15,400	13,600	11,300			110
115	64.8	230.9	14,300	13,200	12,200	10,800	68.0	229.2	15,300	14,200	13,200	11,300			115
120	63.5	228.3	13,200	12,200	11,300	10,400	66.7	226.7	14,100	13,100	12,200	11,300			120
125	62.2	225.7	12,100	11,200	10,400	9,600	65.4	224.0	13,100	12,100	11,300	10,500			125
130	60.9	222.8	11,200	10,400	9,600	8,900	64.1	221.2	12,100	11,200	10,400	9,700			130
135	59.5	219.9	10,300	9,600	8,900	8,200	62.7	218.2	11,100	10,400	9,600	8,900			135
140	58.2	216.7	9,500	8,800	8,200	7,600	61.4	215.0	10,300	9,600	8,900	8,300			140
145	56.8	213.4	8,800	8,200	7,500	7,000	60.0	211.7	9,500	8,900	8,200	7,600			145
150	55.4	209.9	8,100	7,500	6,900	6,400	58.6	208.1	8,800	8,200	7,600	7,000			150
155	54.0	206.3	7,500	6,900	6,400	5,900	57.1	204.4	8,100	7,500	7,000	6,500			155
160	52.5	202.4	6,900	6,300	5,900	5,400	55.7	200.5	7,500	6,900	6,400	6,000			160
165	51.1	198.3	6,300	5,800	5,300	4,800	54.2	196.4	6,900	6,400	5,900	5,500			165
170	49.5	194.0	5,800	5,300	4,800	4,300	52.6	192.1	6,300	5,900	5,400	4,900			170
175	48.0	189.5	5,300	4,800	4,300	3,800	51.1	187.5	5,800	5,400	4,900	4,400			175
180	46.4	184.7	4,700	4,300	3,800	3,400	49.4	182.7	5,300	4,900	4,400	3,900			180
185	44.8	179.6	4,200	3,800	3,300		47.8	177.5	4,800	4,300	3,900	3,500			185
190	43.1	174.3	3,700	3,300			46.1	172.1	4,300	3,800	3,400	3,000			190
195	41.3	168.6	3,200				44.3	166.3	3,800	3,300	3,000				195
200							42.5	160.1	3,300						200
205															205

# MLC150-1 S-1



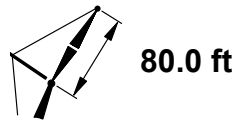
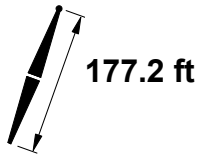
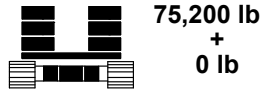
		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
57							57
60							60
61							61
65							65
66							66
70							70
71							71
75							75
79							79
80							80
84							84
85	78.9	237.8	18,400				85
89	77.9	236.4	18,200	16,000			89
90	77.6	236.0	18,100	16,000			90
93	76.9	234.8	17,800	15,900	13,200		93
95	76.4	234.1	17,600	15,800	13,200		95
97	75.9	233.3	17,400	15,800	13,200	10,100	97
100	75.1	232.0	17,100	15,600	13,200	10,100	100
105	73.8	229.9	16,600	15,500	13,200	10,100	105
110	72.6	227.5	16,100	15,300	13,200	10,100	110
115	71.2	225.1	15,600	15,200	13,200	10,100	115
120	69.9	222.5	15,100	14,100	13,100	10,100	120
125	68.6	219.7	14,000	13,000	12,100	10,100	125
130	67.2	216.8	12,900	12,100	11,200	10,100	130
135	65.9	213.8	12,000	11,200	10,400	9,700	135
140	64.5	210.6	11,100	10,300	9,600	9,000	140
145	63.0	207.1	10,300	9,600	8,900	8,300	145
150	61.6	203.5	9,500	8,800	8,200	7,700	150
155	60.1	199.8	8,800	8,200	7,600	7,100	155
160	58.6	195.8	8,100	7,500	7,000	6,500	160
165	57.1	191.5	7,400	6,900	6,500	6,000	165
170	55.5	187.1	6,800	6,400	5,900	5,500	170
175	53.9	182.4	6,300	5,800	5,400	5,000	175
180	52.2	177.4	5,700	5,300	4,900	4,500	180
185	50.5	172.1	5,200	4,900	4,400	4,000	185
190	48.8	166.5	4,800	4,300	3,900	3,500	190
195	46.9	160.5	4,200	3,800	3,400	3,000	195
200	45.0	154.0	3,700	3,300			200
205	43.0	147.2	3,200				205

# MLC150-1 S-1



	5°							15°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
59	78.9	260.6	20,800												59
60	78.7	260.4	20,800												60
63	78.0	259.7	20,600	16,400											63
65	77.5	259.2	20,500	16,400											65
68	76.9	258.5	20,400	16,400	13,200										68
70	76.4	258.0	20,200	16,300	13,200										70
72	75.9	257.5	20,100	16,300	13,100	10,900									72
73	75.7	257.2	20,000	16,300	13,100	10,900	78.9	255.7	20,400						73
75	75.3	256.6	19,900	16,200	13,100	10,900	78.4	255.1	20,300						75
77	74.8	256.1	19,800	16,200	13,100	10,900	77.9	254.5	20,200	16,700					77
80	74.1	255.2	19,600	16,200	13,100	10,900	77.3	253.6	20,000	16,600					80
82	73.6	254.6	19,400	16,100	13,100	10,900	76.8	253.0	19,900	16,600	13,400				82
85	73.0	253.6	19,200	16,100	13,000	10,900	76.1	252.1	19,700	16,600	13,400				85
86	72.7	253.3	19,200	16,100	13,000	10,900	75.9	251.7	19,700	16,600	13,400	10,900			86
87	72.5	252.9	19,100	16,100	13,000	10,900	75.6	251.4	19,600	16,600	13,400	10,900			87
90	71.8	251.9	18,900	16,100	13,000	10,900	74.9	250.4	19,500	16,600	13,400	10,900			90
91	71.5	251.6	18,800	16,100	13,000	10,800	74.7	250.0	19,400	16,600	13,400	10,900			91
95	70.6	250.1	18,600	16,000	12,900	10,800	73.7	248.6	19,200	16,600	13,400	10,900			95
99	69.7	248.6	18,100	15,900	12,900	10,800	72.8	247.0	19,000	16,600	13,400	10,900			99
100	69.4	248.2	18,000	15,900	12,900	10,800	72.5	246.6	18,900	16,600	13,400	10,900			100
105	68.2	246.2	16,500	15,100	12,900	10,800	71.3	244.6	17,700	16,300	13,400	10,900			105
110	67.0	244.1	15,100	13,900	12,800	10,800	70.1	242.4	16,300	15,000	13,400	10,900			110
115	65.8	241.8	13,900	12,800	11,800	10,800	68.9	240.1	15,000	13,800	12,800	10,900			115
120	64.6	239.4	12,800	11,800	10,800	9,900	67.7	237.7	13,800	12,800	11,800	10,900			120
125	63.4	236.8	11,700	10,800	10,000	9,100	66.4	235.1	12,700	11,800	10,900	10,000			125
130	62.1	234.1	10,800	10,000	9,200	8,400	65.2	232.4	11,700	10,800	10,000	9,200			130
135	60.8	231.3	9,900	9,200	8,400	7,700	63.9	229.6	10,800	10,000	9,200	8,500			135
140	59.5	228.3	9,100	8,400	7,700	7,100	62.6	226.6	10,000	9,200	8,500	7,800			140
145	58.2	225.2	8,400	7,700	7,100	6,500	61.3	223.4	9,200	8,500	7,800	7,200			145
150	56.9	221.9	7,700	7,100	6,500	5,900	59.9	220.1	8,400	7,800	7,200	6,600			150
155	55.6	218.5	7,100	6,500	5,900	5,300	58.6	216.6	7,800	7,200	6,600	6,000			155
160	54.2	214.8	6,500	5,900	5,300	4,700	57.2	213.0	7,100	6,600	6,000	5,500			160
165	52.8	211.0	5,900	5,300	4,700	4,200	55.8	209.1	6,500	6,000	5,500	4,900			165
170	51.4	207.0	5,300	4,700	4,200	3,700	54.4	205.0	6,000	5,500	4,900	4,300			170
175	50.0	202.7	4,700	4,200	3,700	3,200	52.9	200.8	5,400	4,900	4,300	3,800			175
180	48.5	198.3	4,200	3,700	3,200		51.4	196.3	4,800	4,300	3,800	3,300			180
185	47.0	193.6	3,600	3,200			49.9	191.5	4,300	3,800	3,300				185
190	45.4	188.6	3,100				48.3	186.5	3,700	3,300					190
195							46.7	181.2	3,200						195
200															200

# MLC150-1 S-1



		25°					
		75,200 lb + 0 lb					
ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
59							59
60							60
63							63
65							65
68							68
70							70
72							72
73							73
75							75
77							77
80							80
82							82
85							85
86							86
87	78.9	247.4	18,400				87
90	78.2	246.4	18,200				90
91	77.9	246.0	18,100	15,900			91
95	77.0	244.5	17,900	15,800	12,400		95
99	76.0	243.0	17,400	15,700	12,400	9,400	99
100	75.7	242.6	17,300	15,700	12,400	9,400	100
105	74.5	240.5	16,800	15,500	12,400	9,400	105
110	73.3	238.3	16,400	15,300	12,400	9,400	110
115	72.0	236.0	15,900	14,900	12,400	9,400	115
120	70.8	233.5	14,900	13,800	12,400	9,400	120
125	69.5	230.9	13,700	12,700	11,800	9,400	125
130	68.2	228.1	12,700	11,800	10,900	9,400	130
135	66.9	225.2	11,700	10,900	10,100	9,300	135
140	65.6	222.2	10,800	10,000	9,300	8,600	140
145	64.3	218.9	10,000	9,200	8,600	7,900	145
150	62.9	215.5	9,200	8,500	7,900	7,300	150
155	61.5	212.0	8,500	7,800	7,200	6,700	155
160	60.1	208.2	7,800	7,200	6,700	6,100	160
165	58.7	204.3	7,100	6,600	6,100	5,600	165
170	57.2	200.1	6,500	6,000	5,600	5,000	170
175	55.7	195.7	6,000	5,500	5,000	4,500	175
180	54.2	191.1	5,400	5,000	4,400	3,900	180
185	52.6	186.2	4,900	4,400	3,900	3,400	185
190	51.0	181.0	4,300	4,300	3,800		190
195	49.3	175.5	3,800	3,300			195
200	47.6	169.7	3,200				200