


# Liftcrane Jib Capacities

Jib No. 148 on  
 Boom No. B10:680  
 661,300 lb VPC (Variable Position Counterweight)  
 Crawler Machine on a Barge  
 0 Degree thru 3 Degree Static Machine List  
 No Travel - 360 Degree Rating - Three Swing Drives

## MLC650 SERIES 2

 **LIFTING CAPACITIES:** Chart supplements Boom Capacity chart No. 9442-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.

**BOOM BACKWARD STABILITY:** Capacities indicated by (b) require 2,400 lb minimum weight suspended beneath jib point, (c) require 10,000 lb minimum weight, and (d) require 20,000 lb minimum weight. **Caution: Do not operate in areas indicated by (b), (c), or (d) without required minimum weight.** *Boom and jib may not lower and boom hoist wire rope may go slack causing wire rope damage or failure.*

**OPERATING CONDITIONS:** Machine to operate on a firm and uniformly supporting surface with machine list not to exceed degrees noted. Refer to Boom Rigging No. 81018141, Jib Rigging No. 81023385, Wire Rope Specifications chart No. 9673-A, Counterweight Arrangements chart No. 9349-A, and Wind Conditions chart No. 9670-A. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.



**OPERATING RADIUS:** Operating radius is horizontal distance from axis of rotation at barge deck to center of vertical hoist line or load block.



**BOOM ANGLE:** Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



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

**MACHINE EQUIPMENT:** Machine equipped with three swing drives, 36 ft 6 in. crawlers, 60 in. or 80 in. treads, 36 ft 1 in. live mast, 30 part boom hoist reeving, boom support straps, and 661,300 lb VPC.

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

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.

Combined weight beneath boom and jib point sheaves must not exceed block weight shown. Total weight beneath jib point must not exceed 6,200 lb.

**Table 1:**

Over End or Side of Crawlers												
Boom Length (ft)	Jib Length (ft)											
	39.4				59.1				78.7			
	Machine List											
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
Block Weight (lb)												
105.0	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
124.7	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
144.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
164.0	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
183.7	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
203.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
223.1	46,500	46,500	46,500	46,500	46,500	46,500	22,600	22,600	22,600	22,600	22,600	22,600
242.8	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600
262.5	16,200	16,200	#	#	#	#	#	#	#	#	#	#
282.2	#	#	#	#	#	#	#	#	#	#	#	#
301.8	Raising Not Permitted											

**Table 1 (continued):**

Over End or Side of Crawlers												
Boom Length (ft)	Jib Length (ft)											
	98.4				118.1				137.8			
	Machine List											
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
Block Weight (lb)												
105.0	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
124.7	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
144.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
164.0	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
183.7	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
203.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
223.1	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600
242.8	22,600	22,600	22,600	16,200	22,600	22,600	16,200	16,200	16,200	16,200	16,200	16,200
262.5	#	#	#	#	#	#	#	#	#	#	#	#
282.2	#	#	#	#	#	#	#	#	#	#	#	#
301.8	Raising Not Permitted											

**Table 2:**

Over End of Blocked Crawlers												
Boom Length (ft)	Jib Length (ft)											
	39.4				59.1				78.7			
	Machine List											
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
Block Weight (lb)												
105.0	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
124.7	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
144.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
164.0	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
183.7	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
203.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
223.1	46,500	46,500	46,500	46,500	46,500	46,500	22,600	22,600	22,600	22,600	22,600	22,600
242.8	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600
262.5	16,200	16,200	#	#	#	#	#	#	#	#	#	#
282.2	#	#	#	#	#	#	#	#	#	#	#	#
301.8	#	#	#	#	#	#	#	#	#	#	#	Raising Not Permitted

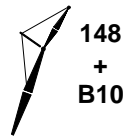
**Warning:** Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. Crane tipping or structural damage can occur.

**Table 2 (continued):**

Over End of Blocked Crawlers												
Boom Length (ft)	Jib Length (ft)											
	98.4				118.1				137.8			
	Machine List											
	0°	1°	2°	3°	0°	1°	2°	3°	0°	1°	2°	3°
Block Weight (lb)												
105.0	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
124.7	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
144.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
164.0	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
183.7	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
203.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
223.1	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600
242.8	22,600	22,600	22,600	16,200	22,600	22,600	16,200	16,200	16,200	16,200	16,200	16,200
262.5	#	#	#	#	#	#	#	#	#	#	#	#
282.2	#	#	#	#	#	#	#	#	#	#	#	#
301.8	Raising Not Permitted											

**Warning:** Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. Crane tipping or structural damage can occur.

## Explanation of Symbols



Jib No. 148  
+  
Boom No. B10:680



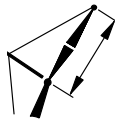
VPC (Variable Position Counterweight)



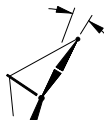
360 Degree Rating



Boom Length



Jib Length



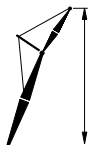
Jib Offset Angle



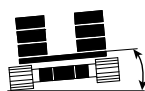
Operating Radius  
(see page 1)



Boom Angle  
(see page 1)



Jib Point Elevation  
(see page 1)

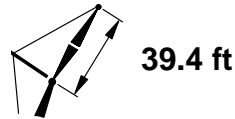
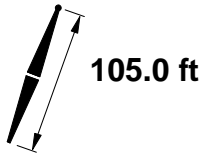


Machine List



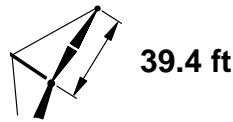
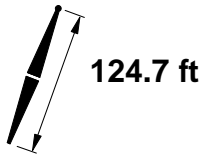
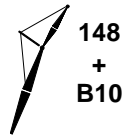
Lifting Capacities  
(see page 1)

# MLC650 S-2



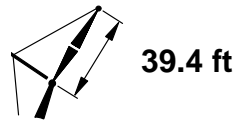
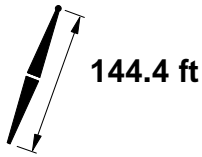
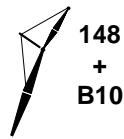
	10°							20°							
	ft	°	ft					ft	°	ft					
				0° lb	1° lb	2° lb	3° lb				0° lb	1° lb	2° lb	3° lb	
28	84.8	153.5	143,300d												28
30	84.0	153.2	143,300c												30
32	83.2	152.8	143,300c	139,800d											32
34	82.4	152.4	143,300c	139,300d				84.8	151.0	143,300c					34
36	81.6	152.0	143,300b	138,700c	127,000d			84.0	150.6	143,300c	134,100d				36
38	80.8	151.5	143,300	138,300c	126,600d	116,800d		83.2	150.1	143,300c	133,800d				38
40	79.9	151.1	143,300	137,700c	126,200c	116,500d	82.3	149.7	143,300b	133,500c	122,700d				40
45	77.9	149.7	143,300	136,700b	125,400c	115,700c	80.3	148.3	138,000	131,400c	121,200c	111,900d			45
50	75.8	148.2	143,300	135,800	124,500	115,200b	78.2	146.8	129,700	128,300	118,700c	110,000c			50
55	73.8	146.5	143,300	134,900	123,900	114,600	76.1	145.0	122,400	121,900	116,300	108,000			55
60	71.6	144.5	143,300	133,400	122,400	113,000	73.9	143.0	115,900	115,400	113,800	106,200			60
65	69.5	142.4	137,300	129,900	119,900	110,800	71.8	140.9	110,100	109,700	108,400	104,500			65
70	67.3	140.0	129,100	126,700	117,400	108,800	69.6	138.5	104,900	104,600	103,500	101,400			70
75	65.1	137.3	121,900	121,000	114,900	106,800	67.3	135.8	100,200	99,900	99,000	97,200			75
80	62.8	134.5	115,400	114,600	112,600	104,900	65.0	132.9	96,000	95,700	95,000	93,400			80
85	60.5	131.3	109,700	108,900	108,200	103,100	62.6	129.7	92,200	91,900	91,400	90,000			85
90	58.1	127.8	104,500	103,800	103,200	101,500	60.2	126.2	88,700	88,500	88,100	86,800			90
95	55.6	124.1	99,800	99,200	98,600	97,300	57.7	122.3	85,500	85,300	85,100	84,000			95
100	53.0	119.9	95,500	95,000	94,400	93,400	55.1	118.1	82,600	82,400	82,200	81,300			100
105	50.3	115.4	91,700	91,200	90,700	89,900	52.4	113.5	80,000	79,800	79,600	79,000			105
110	47.6	110.4	88,100	87,700	87,200	86,800	49.5	108.4	77,600	77,400	77,200	76,800			110
115	44.6	104.9	84,900	84,500	84,100	83,800	46.5	102.8	75,400	75,200	75,000	74,800			115
120	41.5	98.7	82,100	81,600	81,200	80,900	43.3	96.5	73,400	73,200	73,100	72,900			120
125	38.1	91.8	79,400	79,000	78,600	78,300	39.9	89.4	71,600	71,400	71,300	71,200			125
130	34.4	83.9	76,900	76,600	76,300	75,900	36.0	81.2	70,000	69,900	69,800	69,700			130
135	30.3	74.7	74,800	74,400	74,100	73,800	31.7	71.6	68,800	68,600	68,500	68,400			135
140	25.4	63.5	72,900	72,600	72,300	72,000	26.5	59.7	67,800	67,700	67,600	67,500			140
145	19.2	48.4	71,400	71,100	70,800	70,600									145

# MLC650 S-2



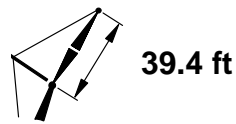
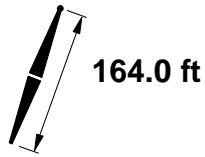
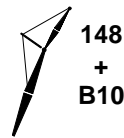
	10°								20°							
			0°								0°					
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft		
30	84.7	173.1	143,300c											30		
32	84.0	172.8	143,300c	140,000d										32		
34	83.3	172.4	143,300b	139,500d										34		
36	82.6	172.0	143,300	139,100c	127,200d			84.7	170.6	143,300c				36		
38	81.9	171.6	143,300	138,600c	126,800d			84.0	170.2	143,300b	133,800d			38		
40	81.2	171.2	143,300	138,200b	126,500c	116,600d		83.3	169.8	143,300	133,500c			40		
45	79.4	170.1	143,300	137,100	125,600b	115,900c	81.5	168.6	143,300	132,900b	122,100c	112,800d		45		
50	77.6	168.7	143,300	136,200	124,800	115,300b	79.7	167.2	135,400	130,300	120,200b	111,100c		50		
55	75.8	167.2	143,300	135,400	124,200	114,800	77.8	165.7	128,300	127,500	118,100	109,500b		55		
60	73.9	165.5	143,300	134,700	123,600	114,300	76.0	164.0	122,000	121,500	116,000	107,800		60		
65	72.1	163.7	143,300	133,900	122,700	113,200	74.1	162.1	116,300	115,900	114,000	106,200		65		
70	70.2	161.6	140,200	130,900	120,500	111,300	72.2	160.1	111,200	110,800	109,400	104,700		70		
75	68.3	159.4	132,700	128,000	118,300	109,500	70.3	157.8	106,500	106,100	105,000	102,900		75		
80	66.4	156.9	125,900	124,900	116,200	107,800	68.3	155.3	102,300	101,900	101,000	99,100		80		
85	64.4	154.3	119,800	119,000	114,000	106,100	66.3	152.6	98,400	98,100	97,300	95,600		85		
90	62.4	151.4	114,300	113,600	112,000	104,500	64.3	149.7	94,900	94,600	93,900	92,400		90		
95	60.3	148.2	109,400	108,600	107,900	102,900	62.2	146.5	91,600	91,400	90,800	89,400		95		
100	58.2	144.8	104,800	104,100	103,500	101,500	60.1	143.1	88,600	88,300	88,000	86,700		100		
105	56.1	141.2	100,700	100,100	99,500	98,100	57.9	139.4	85,800	85,500	85,300	84,200		105		
110	53.9	137.2	96,800	96,300	95,800	94,600	55.7	135.3	83,200	83,000	82,900	81,900		110		
115	51.6	132.9	93,400	92,800	92,300	91,500	53.3	131.0	80,900	80,600	80,500	79,800		115		
120	49.2	128.2	90,200	89,700	89,200	88,600	50.9	126.2	78,700	78,500	78,300	77,800		120		
125	46.7	123.1	87,200	86,700	86,300	85,900	48.4	121.0	76,700	76,500	76,400	76,000		125		
130	44.1	117.6	84,400	84,000	83,600	83,200	45.7	115.4	74,800	74,700	74,600	74,400		130		
135	41.3	111.5	81,900	81,500	81,200	80,800	42.9	109.1	73,200	73,000	72,800	72,800		135		
140	38.4	104.7	79,600	79,200	78,900	78,500	39.9	102.2	71,600	71,500	71,400	71,200		140		
145	35.3	97.1	77,500	77,100	76,700	76,500	36.7	94.4	70,300	70,200	70,000	69,900		145		
150	31.8	88.5	75,500	75,200	74,800	74,500	33.1	85.4	69,100	69,000	68,900	68,700		150		
155	27.9	78.4	73,800	73,500	73,100	72,900	29.0	74.9	68,200	68,000	67,900	67,800		155		
160	23.3	66.1	72,300	72,000	71,600	71,400								160		
165	17.3	49.6	71,100	70,800	70,600	70,300								165		

# MLC650 S-2



		10°						20°							
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft	
32	84.7	192.7	143,300c											32	
34	84.0	192.3	143,300											34	
36	83.4	192.0	143,300	139,200c										36	
38	82.8	191.7	143,300	138,800c	126,800d			84.7	190.2	143,300b				38	
40	82.1	191.3	143,300	138,300b	126,500c			84.0	189.8	143,300	133,400c			40	
45	80.5	190.2	143,300	137,400	125,700b	115,900c		82.4	188.7	143,300	132,900b	122,000c		45	
50	79.0	189.1	143,300	136,500	125,000	115,300		80.8	187.5	140,100	131,800	121,300b	111,900c	50	
55	77.3	187.7	143,300	135,700	124,300	114,800		79.2	186.2	133,300	129,300	119,400	110,300	55	
60	75.7	186.2	143,300	135,000	123,800	114,400		77.6	184.7	127,200	126,700	117,600	108,900	60	
65	74.1	184.6	143,300	134,300	123,300	113,900		75.9	183.0	121,700	121,300	115,700	107,500	65	
70	72.4	182.8	143,300	133,800	122,900	113,200		74.2	181.2	116,700	116,200	113,900	106,100	70	
75	70.8	180.8	142,600	131,500	120,900	111,600		72.6	179.2	112,000	111,700	110,300	104,800	75	
80	69.1	178.7	135,600	128,900	118,900	110,000		70.9	177.1	107,800	107,400	106,300	103,500	80	
85	67.4	176.4	129,300	126,400	117,000	108,500		69.1	174.7	103,900	103,600	102,600	100,600	85	
90	65.6	173.9	123,600	122,600	115,200	106,900		67.4	172.2	100,400	100,000	99,200	97,400	90	
95	63.9	171.2	118,300	117,500	113,300	105,400		65.6	169.5	97,100	96,700	96,000	94,400	95	
100	62.1	168.3	113,500	112,700	111,500	104,000		63.8	166.6	93,900	93,700	93,100	91,600	100	
105	60.2	165.2	109,200	108,400	107,700	102,700		61.9	163.4	91,100	90,900	90,400	89,000	105	
110	58.4	161.8	105,100	104,400	103,800	101,400		60.0	160.0	88,500	88,200	87,900	86,600	110	
115	56.5	158.2	101,400	100,800	100,200	98,700		58.1	156.4	86,000	85,700	85,500	84,400	115	
120	54.5	154.4	98,000	97,400	96,800	95,600		56.1	152.5	83,800	83,500	83,300	82,300	120	
125	52.5	150.3	94,800	94,200	93,700	92,700		54.1	148.3	81,600	81,400	81,200	80,400	125	
130	50.4	145.8	91,800	91,300	90,800	90,000		52.0	143.8	79,600	79,400	79,300	78,600	130	
135	48.3	141.0	89,000	88,500	88,100	87,500		49.8	138.9	77,800	77,600	77,400	77,000	135	
140	46.0	135.9	86,500	85,900	85,600	85,200		47.5	133.7	76,000	75,900	75,700	75,500	140	
145	43.7	130.3	84,000	83,600	83,300	82,800		45.1	128.0	74,500	74,300	74,200	74,000	145	
150	41.2	124.2	81,800	81,400	81,000	80,700		42.6	121.8	73,000	72,900	72,700	72,600	150	
155	38.6	117.5	79,800	79,400	79,100	78,700		40.0	114.9	71,700	71,500	71,400	71,300	155	
160	35.9	110.1	77,900	77,500	77,200	76,800		37.1	107.4	70,500	70,300	70,200	70,100	160	
165	32.9	101.9	76,100	75,800	75,400	75,100		34.1	98.9	69,400	69,300	69,100	69,100	165	
170	29.6	92.6	74,500	74,200	73,800	73,500		30.6	89.2	68,500	68,400	68,300	68,200	170	
175	25.9	81.7	73,100	72,800	72,400	72,200		26.7	77.8	67,800	67,700	67,600	67,500	175	
180	21.5	68.4	71,800	71,500	71,300	71,000								180	

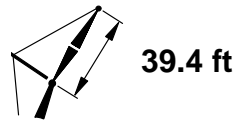
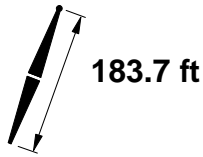
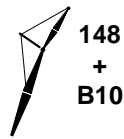
# MLC650 S-2



ft	10°							20°							ft
	°	ft	10°				°	ft	20°						
			0°	1°	2°	3°			0°	1°	2°	3°			
lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb			
34	84.6	212.2	143,300											34	
36	84.0	211.9	143,300											36	
38	83.5	211.6	143,300	138,700c										38	
40	82.9	211.3	143,300	138,300	126,400c		84.6	209.7	143,300					40	
45	81.5	210.3	143,300	137,400	125,600	115,600c	83.2	208.8	143,300	132,700				45	
50	80.0	209.3	143,300	136,600	124,900	115,200	81.7	207.7	143,300	132,200	121,300	112,200c		50	
55	78.6	208.1	143,300	135,800	124,400	114,700	80.3	206.5	137,700	130,600	120,300	111,000		55	
60	77.1	206.7	143,300	135,200	123,800	114,200	78.8	205.2	131,800	128,500	118,700	109,700		60	
65	75.7	205.3	143,300	134,500	123,300	113,900	77.3	203.7	126,400	125,900	117,000	108,400		65	
70	74.2	203.7	143,300	134,000	122,900	113,500	75.8	202.1	121,500	121,000	115,400	107,100		70	
75	72.7	201.9	143,300	133,500	122,500	113,200	74.3	200.3	116,900	116,500	113,800	105,900		75	
80	71.2	200.0	143,300	132,000	121,000	111,600	72.8	198.4	112,800	112,300	111,000	104,700		80	
85	69.7	198.0	138,000	129,500	119,300	110,200	71.3	196.3	108,900	108,500	107,300	103,700		85	
90	68.2	195.8	132,100	127,300	117,600	108,800	69.8	194.1	105,300	105,000	103,900	101,800		90	
95	66.6	193.4	126,700	125,200	115,900	107,500	68.2	191.7	102,000	101,700	100,700	98,800		95	
100	65.0	190.8	121,700	120,800	114,300	106,200	66.6	189.1	98,900	98,500	97,800	96,000		100	
105	63.4	188.1	117,200	116,300	112,700	104,800	65.0	186.4	96,000	95,700	95,000	93,400		105	
110	61.8	185.2	112,900	112,200	111,100	103,600	63.3	183.4	93,300	93,000	92,500	91,000		110	
115	60.2	182.1	109,000	108,200	107,600	102,500	61.7	180.3	90,700	90,500	90,100	88,700		115	
120	58.5	178.8	105,400	104,700	104,000	101,400	60.0	177.0	88,400	88,100	87,800	86,600		120	
125	56.8	175.3	102,000	101,400	100,800	99,200	58.2	173.4	86,200	86,000	85,700	84,600		125	
130	55.0	171.5	98,800	98,300	97,600	96,400	56.5	169.6	84,100	83,900	83,700	82,700		130	
135	53.2	167.5	95,900	95,300	94,800	93,700	54.6	165.6	82,200	82,000	81,800	80,900		135	
140	51.4	163.3	93,200	92,600	92,100	91,200	52.8	161.2	80,400	80,100	80,000	79,300		140	
145	49.5	158.7	90,600	90,000	89,600	88,900	50.8	156.6	78,700	78,500	78,300	77,800		145	
150	47.5	153.8	88,200	87,700	87,200	86,700	48.9	151.7	77,100	76,900	76,700	76,300		150	
155	45.5	148.6	85,900	85,500	85,000	84,600	46.8	146.3	75,600	75,400	75,300	75,000		155	
160	43.4	143.0	83,800	83,300	82,900	82,600	44.6	140.6	74,200	74,000	73,900	73,700		160	
165	41.1	136.9	81,800	81,400	81,000	80,700	42.4	134.4	72,900	72,700	72,600	72,500		165	
170	38.8	130.3	80,000	79,600	79,200	78,900	40.0	127.7	71,700	71,600	71,400	71,300		170	
175	36.4	123.1	78,200	77,800	77,400	77,200	37.5	120.4	70,700	70,500	70,300	70,300		175	
180	33.7	115.2	76,600	76,300	75,900	75,600	34.8	112.2	69,600	69,500	69,400	69,300		180	
190	27.8	96.4	73,700	73,400	73,100	72,900	28.6	92.7	68,100	68,000	67,900	67,800		190	
200	19.9	70.4	71,600	71,200	71,000	70,700								200	

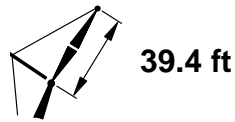
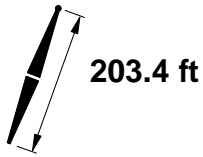


# MLC650 S-2



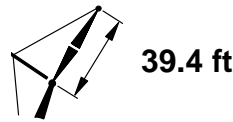
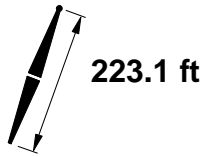
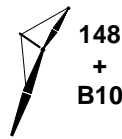
	10°						20°								
	ft	°	ft	661,300 lb				ft	°	ft	661,300 lb				
				0°	1°	2°	3°				0°	1°		2°	3°
36	84.6	231.8	143,300											36	
38	84.1	231.5	143,300											38	
40	83.5	231.2	143,300	138,300										40	
45	82.2	230.4	143,300	137,500	125,500		83.8	228.8	143,300	132,500				45	
50	80.9	229.4	143,300	136,700	125,000	114,600	82.5	227.8	143,300	132,000	121,100			50	
55	79.6	228.3	143,300	136,000	124,400	114,600	81.2	226.7	141,500	131,700	120,800	111,400		55	
60	78.3	227.1	143,300	135,400	123,800	114,200	79.8	225.5	135,800	129,700	119,500	110,200		60	
65	77.0	225.8	143,300	134,700	123,300	113,800	78.5	224.1	130,600	127,800	118,000	109,100		65	
70	75.6	224.3	143,300	134,100	122,900	113,400	77.2	222.7	125,700	125,300	116,500	108,000		70	
75	74.3	222.7	143,300	133,600	122,500	113,100	75.8	221.1	121,300	120,900	115,100	106,800		75	
80	72.9	221.0	143,300	133,200	122,100	112,800	74.4	219.4	117,200	116,700	113,700	105,700		80	
85	71.6	219.2	143,300	132,300	121,200	111,700	73.1	217.5	113,300	112,900	111,600	104,700		85	
90	70.2	217.2	140,200	130,100	119,600	110,400	71.7	215.5	109,800	109,400	108,200	103,700		90	
95	68.8	215.1	134,600	128,100	118,100	109,200	70.3	213.4	106,500	106,100	105,000	102,700		95	
100	67.4	212.8	129,500	126,100	116,500	107,900	68.8	211.1	103,300	103,000	102,000	100,100		100	
105	66.0	210.4	124,700	123,700	115,100	106,700	67.4	208.6	100,400	100,200	99,300	97,500		105	
110	64.5	207.8	120,300	119,500	113,600	105,500	66.0	206.0	97,800	97,400	96,700	95,000		110	
115	63.1	205.1	116,300	115,400	112,200	104,400	64.5	203.3	95,200	94,900	94,200	92,700		115	
120	61.6	202.1	112,400	111,700	110,700	103,300	63.0	200.3	92,700	92,500	91,900	90,500		120	
125	60.1	199.1	108,900	108,200	107,500	102,300	61.5	197.2	90,500	90,200	89,800	88,500		125	
130	58.6	195.8	105,600	104,900	104,300	101,200	59.9	193.9	88,400	88,100	87,800	86,500		130	
135	57.0	192.3	102,500	101,900	101,300	99,700	58.4	190.4	86,300	86,100	85,800	84,700		135	
140	55.4	188.6	99,600	99,000	98,400	97,000	56.7	186.7	84,500	84,300	84,000	83,000		140	
145	53.8	184.8	96,900	96,300	95,700	94,600	55.1	182.7	82,700	82,500	82,300	81,400		145	
150	52.1	180.6	94,300	93,700	93,200	92,200	53.4	178.6	81,000	80,800	80,700	79,900		150	
155	50.4	176.2	91,900	91,400	90,900	90,100	51.7	174.1	79,500	79,300	79,100	78,400		155	
160	48.7	171.6	89,700	89,100	88,600	88,000	49.9	169.4	78,000	77,800	77,600	77,100		160	
165	46.9	166.6	87,500	87,000	86,500	86,100	48.1	164.4	76,600	76,400	76,200	75,800		165	
170	45.0	161.3	85,400	85,000	84,600	84,200	46.2	159.0	75,200	75,100	74,900	74,700		170	
175	43.1	155.7	83,500	83,100	82,800	82,400	44.2	153.3	74,000	73,800	73,700	73,500		175	
180	41.1	149.6	81,800	81,400	81,000	80,300	42.2	147.1	72,800	72,600	72,500	72,400		180	
190	36.8	136.1	78,500	78,100	75,900	73,000	37.8	133.3	70,800	70,600	70,500	70,300		190	
200	31.9	119.9	75,600	71,400	68,800	66,300	32.8	116.7	69,100	68,900	68,800	66,900		200	
210	26.2	99.9	73,200	64,500	62,400	60,200	26.8	95.9	67,900	64,900	62,800	60,600		210	
220	18.6	72.2	67,700	58,200	56,500	54,700								220	

# MLC650 S-2



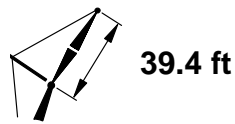
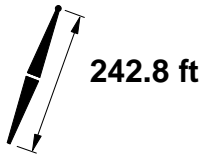
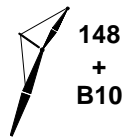
ft	10°							20°							ft
	°	ft	0°				°	ft	0°						
			lb	lb	lb	lb			lb	lb	lb	lb			
36	85.0	251.6	143,300											36	
38	84.5	251.4	143,300											38	
40	84.1	251.1	143,300											40	
45	82.9	250.3	143,300	137,300	125,200		84.3	248.7	143,300					45	
50	81.7	249.4	143,300	136,500	124,700	113,100	83.1	247.8	143,300	131,700				50	
55	80.5	248.4	143,300	135,800	124,100	113,100	81.9	246.8	143,300	131,300	120,400	109,800		55	
60	79.3	247.3	143,300	135,300	123,600	113,100	80.7	245.7	139,400	130,600	120,000	109,800		60	
65	78.1	246.1	143,300	134,600	123,100	113,100	79.5	244.5	134,300	128,800	118,600	109,500		65	
70	76.8	244.8	143,300	134,100	122,600	113,100	78.2	243.1	129,600	127,100	117,300	108,400		70	
75	75.6	243.3	143,300	133,600	122,300	112,800	77.0	241.7	125,200	124,700	116,000	107,400		75	
80	74.4	241.8	143,300	133,100	121,900	112,500	75.8	240.1	121,200	120,700	114,700	106,400		80	
85	73.1	240.1	143,300	132,700	121,600	112,300	74.5	238.4	117,400	117,000	113,400	105,400		85	
90	71.9	238.3	143,300	132,300	121,100	111,500	73.2	236.6	113,900	113,500	112,100	104,400		90	
95	70.6	236.4	142,100	130,400	119,700	110,300	72.0	234.7	110,600	110,200	108,900	103,500		95	
100	69.4	234.3	136,700	128,500	118,300	109,200	70.7	232.6	107,500	107,100	105,900	102,700		100	
105	68.1	232.1	131,900	126,700	116,900	108,100	69.4	230.4	104,500	104,200	103,200	101,200		105	
110	66.8	229.8	127,400	125,000	115,600	107,000	68.1	228.1	101,800	101,500	100,600	98,700		110	
115	65.5	227.4	123,200	122,200	114,300	105,900	66.8	225.6	99,200	98,900	98,100	96,300		115	
120	64.1	224.8	119,200	118,300	112,900	104,800	65.4	222.9	96,800	96,500	95,800	94,100		120	
125	62.8	222.0	115,600	114,700	111,600	103,900	64.1	220.2	94,600	94,300	93,600	92,100		125	
130	61.4	219.1	112,100	111,300	110,400	102,900	62.7	217.2	92,300	92,100	91,500	90,100		130	
135	60.0	216.0	108,900	108,100	107,400	101,900	61.3	214.1	90,300	90,100	89,600	88,200		135	
140	58.6	212.8	105,800	105,200	104,500	101,000	59.9	210.9	88,400	88,100	87,700	86,500		140	
145	57.2	209.3	103,000	102,300	101,700	100,000	58.4	207.4	86,500	86,300	86,000	84,800		145	
150	55.8	205.7	100,300	99,700	99,100	97,600	57.0	203.7	84,800	84,600	84,300	83,200		150	
155	54.3	201.9	97,800	97,100	96,600	95,100	55.5	199.9	83,100	82,900	82,700	81,800		155	
160	52.8	197.9	95,400	94,800	94,300	91,900	54.0	195.8	81,600	81,400	81,200	80,300		160	
165	51.2	193.7	93,100	92,500	92,000	88,100	52.4	191.5	80,100	79,900	79,800	79,000		165	
170	49.7	189.2	90,900	90,400	87,900	83,700	50.8	187.0	78,700	78,500	78,400	77,700		170	
175	48.0	184.4	88,900	87,600	83,500	79,500	49.2	182.2	77,400	77,200	77,000	76,600		175	
180	46.4	179.4	87,000	83,200	79,300	75,500	47.5	177.1	76,100	75,900	75,800	75,400		180	
190	42.9	168.4	83,500	74,900	71,500	68,200	43.9	166.0	73,800	73,700	72,600	69,300		190	
200	39.1	155.9	80,100	67,500	64,600	61,700	40.1	153.2	71,800	68,400	65,400	62,500		200	
210	35.0	141.5	72,200	60,800	58,200	55,700	35.9	138.5	70,100	61,500	58,900	56,300		210	
220	30.3	124.3	65,000	54,600	52,400	50,200	31.1	120.9	65,600	55,200	52,900	50,700		220	
230	24.8	103.1	58,400	49,000	47,100	45,200								230	
240	17.4	73.7	52,200	43,700	42,100	40,600								240	

# MLC650 S-2



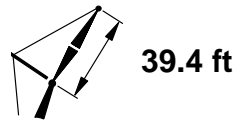
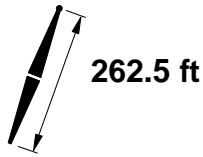
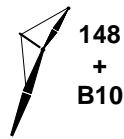
	10°							20°							
	ft	°	ft	661,300 lb				ft	°	ft	661,300 lb				ft
				0°	1°	2°	3°				0°	1°	2°	3°	
38	84.9	271.2	143,300											38	
40	84.5	271.0	143,300											40	
45	83.4	270.2	143,300	136,800				84.7	268.6	143,300				45	
50	82.3	269.4	143,300	136,200	124,100			83.6	267.8	143,300	131,100			50	
55	81.2	268.5	143,300	135,500	123,600	111,300		82.5	266.9	143,300	130,700	119,700		55	
60	80.1	267.5	143,300	134,900	123,100	111,300		81.4	265.8	142,400	130,500	119,500	108,100	60	
65	79.0	266.4	143,300	134,300	122,600	111,300		80.3	264.7	137,500	129,400	118,900	108,100	65	
70	77.9	265.1	143,300	133,800	122,300	111,300		79.1	263.5	133,000	127,900	117,700	108,100	70	
75	76.7	263.8	143,300	133,300	121,900	111,300		78.0	262.1	128,700	126,300	116,500	107,700	75	
80	75.6	262.4	143,300	132,800	121,500	111,300		76.9	260.7	124,700	124,200	115,400	106,700	80	
85	74.5	260.8	143,300	132,500	121,200	111,300		75.7	259.1	121,000	120,600	114,200	105,800	85	
90	73.3	259.2	143,300	132,100	120,900	111,300		74.6	257.5	117,600	117,100	113,000	105,000	90	
95	72.2	257.4	143,300	131,700	120,600	111,100		73.4	255.7	114,300	113,900	111,900	104,100	95	
100	71.0	255.5	142,800	130,500	119,500	110,000		72.2	253.8	111,200	110,900	109,500	103,300	100	
105	69.8	253.6	138,700	128,700	118,300	109,000		71.0	251.8	108,400	108,000	106,800	102,500	105	
110	68.6	251.4	134,000	127,000	117,000	108,000		69.9	249.7	105,600	105,200	104,100	101,700	110	
115	67.4	249.2	129,700	125,400	115,800	107,000		68.7	247.4	103,100	102,700	101,700	99,700	115	
120	66.2	246.8	125,700	123,900	114,600	106,100		67.4	245.0	100,600	100,200	99,300	97,500	120	
125	65.0	244.3	121,900	120,900	113,400	105,100		66.2	242.5	98,300	98,000	97,100	95,400	125	
130	63.8	241.7	118,300	117,500	112,200	104,200		65.0	239.9	96,100	95,800	95,000	93,400	130	
135	62.5	238.9	115,000	114,100	111,000	103,300		63.7	237.1	94,000	93,700	93,000	91,600	135	
140	61.3	236.0	111,900	111,100	109,900	102,400		62.5	234.1	92,100	91,800	91,200	89,800	140	
145	60.0	233.0	108,900	108,200	107,300	99,300		61.2	231.0	90,200	89,900	89,400	88,100	145	
150	58.7	229.7	106,100	105,400	104,300	95,800		59.9	227.8	88,400	88,100	87,700	86,400	150	
155	57.4	226.3	103,500	102,800	100,400	92,400		58.5	224.4	86,700	86,500	86,100	84,900	155	
160	56.1	222.8	100,900	100,300	95,200	89,300		57.2	220.8	85,100	84,900	84,500	83,500	160	
165	54.7	219.1	98,600	95,400	90,200	85,300		55.8	217.0	83,600	83,300	83,100	82,100	165	
170	53.3	215.1	96,300	90,400	85,600	81,000		54.4	213.0	82,100	81,900	81,700	80,700	170	
175	51.9	211.0	94,200	85,700	81,200	76,900		53.0	208.9	80,700	80,500	80,300	78,300	175	
180	50.5	206.7	92,200	81,300	77,100	73,000		51.5	204.5	79,400	79,200	78,500	74,300	180	
190	47.5	197.3	87,700	73,200	69,400	65,800		48.5	195.0	76,900	74,400	70,600	67,000	190	
200	44.3	186.8	79,100	65,800	62,500	59,300		45.3	184.4	74,800	66,900	63,500	60,300	200	
210	41.0	175.1	71,300	59,200	56,200	53,400		41.9	172.5	72,200	60,100	57,100	54,200	210	
220	37.3	161.8	64,200	53,100	50,500	47,900		38.2	159.0	65,000	53,800	51,200	48,700	220	
230	33.4	146.6	57,700	47,500	45,200	43,000		34.2	143.4	58,300	48,100	45,800	43,600	230	
240	28.9	128.5	51,700	42,400	40,400	38,400		29.5	124.9	52,100	42,800	40,800	38,800	240	
250	23.5	106.1	46,100	37,600	35,900	34,200								250	

# MLC650 S-2



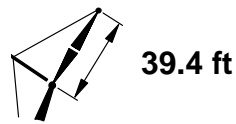
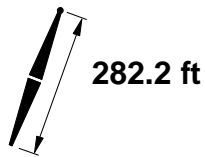
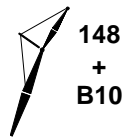
	10°							20°							
	ft	°	ft	0°				ft	°	ft	0°				ft
				lb	lb	lb	lb				lb	lb	lb	lb	
40	84.9	290.8	143,300												40
45	83.9	290.1	143,300	136,300											45
50	82.8	289.4	143,300	135,700	123,500			84.1	287.7	143,300					50
55	81.8	288.5	143,300	135,100	123,100	109,500		83.0	286.9	143,300	130,200				55
60	80.8	287.6	143,300	134,500	122,600	109,500		82.0	285.9	143,300	129,900	118,900	106,200		60
65	79.8	286.5	143,300	133,900	122,100	109,500		81.0	284.9	140,500	129,600	118,700	106,200		65
70	78.7	285.4	143,300	133,500	121,700	109,500		79.9	283.7	136,100	128,400	117,900	106,200		70
75	77.7	284.2	143,300	133,000	121,400	109,500		78.9	282.5	131,900	127,000	116,800	106,200		75
80	76.6	282.8	143,300	132,600	121,100	109,500		77.8	281.1	128,100	125,600	115,800	106,200		80
85	75.6	281.4	143,300	132,100	120,800	109,500		76.8	279.7	124,400	123,900	114,700	106,100		85
90	74.5	279.9	143,300	131,800	120,500	109,500		75.7	278.2	121,000	120,500	113,600	105,200		90
95	73.4	278.3	143,300	131,500	120,200	109,500		74.6	276.5	117,800	117,300	112,600	104,400		95
100	72.4	276.5	143,200	131,200	120,000	109,500		73.5	274.8	114,700	114,300	111,600	103,700		100
105	71.3	274.7	143,100	130,500	119,200	109,500		72.5	272.9	111,900	111,400	110,100	102,900		105
110	70.2	272.8	140,400	128,800	118,100	108,700		71.4	271.0	109,100	108,800	107,500	102,300		110
115	69.1	270.7	136,000	127,300	116,900	107,800		70.3	268.9	106,600	106,200	105,000	101,600		115
120	68.0	268.5	131,900	125,800	115,800	106,900		69.1	266.7	104,200	103,800	102,700	100,700		120
125	66.9	266.2	128,000	124,300	114,700	106,000		68.0	264.4	101,800	101,500	100,400	98,600		125
130	65.8	263.8	124,400	123,000	113,600	105,200		66.9	262.0	99,600	99,300	98,300	96,600		130
135	64.6	261.3	121,000	120,000	112,600	104,300		65.7	259.5	97,500	97,200	96,300	94,700		135
140	63.5	258.7	117,700	116,800	111,500	101,200		64.6	256.8	95,500	95,200	94,400	92,800		140
145	62.3	255.9	114,700	113,800	107,100	97,500		63.4	254.0	93,600	93,400	92,600	91,100		145
150	61.2	253.0	111,800	107,900	101,200	94,000		62.2	251.1	91,900	91,600	90,900	89,500		150
155	60.0	249.9	109,000	101,900	95,700	89,700		61.0	248.0	90,100	89,800	89,200	87,900		155
160	58.8	246.7	106,400	96,400	90,500	84,900		59.8	244.7	88,500	88,200	87,600	86,400		160
165	57.5	243.3	103,900	91,100	85,600	80,300		58.6	241.4	86,900	86,600	86,100	82,100		165
170	56.3	239.8	101,600	86,200	81,000	76,000		57.3	237.8	85,400	85,100	82,700	77,700		170
175	55.0	236.2	99,200	81,500	76,600	72,000		56.1	234.1	83,900	83,200	78,300	73,600		175
180	53.8	232.3	93,900	77,100	72,500	68,100		54.8	230.2	82,600	78,700	74,100	69,700		180
190	51.1	224.1	84,300	69,000	64,900	61,000		52.1	221.9	80,000	70,500	66,300	62,400		190
200	48.4	215.0	75,700	61,700	58,100	54,600		49.4	212.7	77,000	63,000	59,300	55,800		200
210	45.5	205.0	67,900	55,100	51,900	48,700		46.5	202.6	69,000	56,200	53,000	49,800		210
220	42.5	193.9	60,800	49,100	46,200	43,400		43.4	191.3	61,800	50,100	47,100	44,300		220
230	39.3	181.5	54,400	43,600	41,000	38,500		40.1	178.7	55,200	44,400	41,800	39,200		230
240	35.8	167.5	48,400	38,500	36,200	33,900		36.6	164.5	49,100	39,200	36,800	34,600		240
250	32.0	151.4	43,000	33,800	31,800	29,700		32.7	148.1	43,500	34,300	32,300	30,200		250
260	27.6	132.4	37,900	29,400	27,600	25,900		28.2	128.6	38,300	29,800	28,000	26,200		260
270	22.4	108.8	33,100	25,300	23,800	22,200									270

# MLC650 S-2



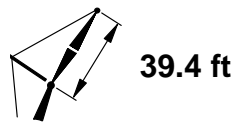
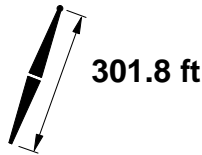
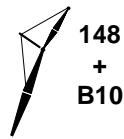
	10°						20°								
	ft	°	ft	661,300 lb				ft	°	ft	661,300 lb				
				0°	1°	2°	3°				0°	1°		2°	3°
ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
45	84.3	310.0	143,300					84.5	307.6	143,300				45	
50	83.3	309.3	143,300	135,100				83.5	306.8	143,300	129,600			50	
55	82.4	308.5	143,300	134,500	122,300			82.5	305.9	143,000	129,300	118,200		55	
60	81.4	307.6	143,300	134,000	121,900	107,600		82.5	305.9	143,000	129,300	118,200		60	
65	80.4	306.6	143,300	133,500	121,500	107,600		81.6	304.9	142,600	129,100	118,000	104,200	65	
70	79.5	305.6	143,300	133,000	121,200	107,600		80.6	303.9	138,900	128,700	117,800	104,200	70	
75	78.5	304.4	143,300	132,500	120,800	107,600		79.6	302.7	134,900	127,400	116,900	104,200	75	
80	77.5	303.2	143,300	132,100	120,500	107,600		78.6	301.5	131,100	126,100	115,900	104,200	80	
85	76.5	301.9	143,300	131,700	120,200	107,600		77.6	300.2	127,500	124,800	115,000	104,200	85	
90	75.6	300.5	143,300	131,400	119,900	107,600		76.7	298.7	124,200	123,600	114,000	104,200	90	
95	74.6	298.9	143,300	131,100	119,700	107,600		75.7	297.2	121,000	120,500	113,100	104,200	95	
100	73.6	297.3	143,200	130,700	119,400	107,600		74.7	295.6	118,000	117,500	112,100	103,900	100	
105	72.6	295.6	143,200	130,400	119,200	107,600		73.7	293.9	115,100	114,700	111,200	103,200	105	
110	71.6	293.8	143,200	130,200	118,800	107,600		72.6	292.1	112,400	112,000	110,300	102,500	110	
115	70.5	291.9	141,300	128,800	117,700	107,600		71.6	290.2	109,900	109,500	108,100	101,900	115	
120	69.5	289.9	137,900	127,400	116,700	107,400		70.6	288.1	107,500	107,100	105,700	101,200	120	
125	68.5	287.8	133,900	125,900	115,600	106,600		69.6	286.0	105,100	104,800	103,500	100,600	125	
130	67.5	285.6	130,200	124,600	114,600	105,800		68.5	283.8	102,900	102,600	101,400	99,500	130	
135	66.4	283.3	126,700	123,300	113,700	103,200		67.5	281.4	100,800	100,500	99,400	97,600	135	
140	65.4	280.8	123,300	118,000	109,800	99,300		66.4	279.0	98,800	98,500	97,500	95,700	140	
145	64.3	278.3	120,200	111,200	103,600	95,600		65.3	276.4	97,000	96,600	95,600	94,000	145	
150	63.2	275.6	117,200	104,900	97,700	91,000		64.3	273.7	95,100	94,800	93,900	92,300	150	
155	62.1	272.8	114,400	99,000	92,300	86,000		63.2	270.9	93,300	93,000	92,200	88,100	155	
160	61.0	269.9	111,700	93,400	87,100	81,200		62.1	268.0	91,600	91,400	89,200	83,200	160	
165	59.9	266.9	108,700	88,200	82,300	76,700		60.9	264.9	90,100	89,800	84,300	78,700	165	
170	58.8	263.7	102,700	83,300	77,800	72,500		59.8	261.7	88,500	85,200	79,600	74,300	170	
175	57.7	260.3	97,100	78,700	73,500	68,500		58.7	258.3	87,100	80,500	75,200	70,200	175	
180	56.5	256.9	91,800	74,300	69,400	64,700		57.5	254.8	85,600	76,000	71,100	66,300	180	
190	54.2	249.5	82,200	66,200	61,900	57,700		55.1	247.4	83,000	67,800	63,400	59,200	190	
200	51.7	241.4	73,600	59,000	55,100	51,300		52.7	239.2	75,000	60,400	56,500	52,600	200	
210	49.2	232.6	65,800	52,400	48,900	45,500		50.1	230.3	67,100	53,700	50,100	46,700	210	
220	46.6	222.9	58,700	46,500	43,300	40,200		47.4	220.6	59,900	47,600	44,400	41,300	220	
230	43.8	212.3	52,300	41,000	38,100	35,400		44.6	209.8	53,300	42,000	39,100	36,300	230	
240	40.9	200.6	46,400	36,000	33,400	30,900		41.7	197.9	47,300	36,800	34,200	31,700	240	
250	37.8	187.5	41,000	31,300	29,000	26,700		38.5	184.7	41,800	32,000	29,700	27,400	250	
260	34.4	172.8	36,000	27,000	24,900	22,900		35.1	169.7	36,600	27,600	25,500	23,500	260	
270	30.7	156.0	31,300	23,000	21,100	19,300		31.3	152.5	31,800	23,400	21,600	19,700	270	
280	26.5	136.1	27,000	19,200	17,600	16,000		27.0	132.0	27,300	19,500	17,900	16,300	280	
290	21.4	111.4	22,400	15,700	14,200	12,800								290	

# MLC650 S-2



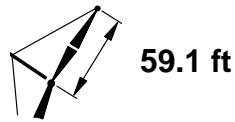
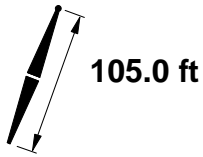
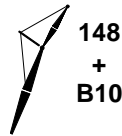
	10°							20°								
	ft	°	ft	0°				ft	°	ft	0°					ft
				lb	lb	lb	lb				lb	lb	lb	lb		
45	84.6	329.8	143,300					84.8	327.5	143,300					45	
50	83.7	329.2	143,300	134,400				83.9	326.7	142,800	128,800				50	
55	82.8	328.4	143,300	133,800	121,500			83.0	325.9	142,500	128,500	117,300			55	
60	81.9	327.6	143,300	133,300	121,100	105,300		83.0	325.9	142,500	128,500	117,300			60	
65	81.0	326.7	143,300	132,800	120,700	105,300		82.1	325.0	142,100	128,300	117,100			65	
70	80.1	325.7	143,300	132,400	120,400	105,300		81.2	324.0	141,500	128,100	116,900	102,000		70	
75	79.2	324.6	143,300	131,900	120,000	105,300		80.3	322.9	137,600	127,600	116,700	102,000		75	
80	78.3	323.5	143,300	131,500	119,700	105,300		79.3	321.7	133,900	126,300	115,700	102,000		80	
85	77.4	322.2	143,300	131,200	119,400	105,300		78.4	320.5	130,400	125,100	114,900	102,000		85	
90	76.5	320.9	143,300	130,800	119,200	105,300		77.5	319.2	127,100	124,000	114,000	102,000		90	
95	75.5	319.5	143,300	130,400	118,900	105,300		76.6	317.8	124,000	122,900	113,200	102,000		95	
100	74.6	318.0	143,200	130,100	118,700	105,300		75.6	316.2	121,100	120,500	112,300	102,000	100		
105	73.7	316.4	143,200	129,900	118,500	105,300		74.7	314.6	118,300	117,800	111,500	102,000	105		
110	72.7	314.7	143,200	129,600	118,300	105,300		73.8	313.0	115,600	115,100	110,700	102,000	110		
115	71.8	313.0	143,200	129,400	118,100	105,300		72.8	311.2	113,000	112,600	109,900	101,900	115		
120	70.8	311.1	141,500	128,600	117,200	105,300		71.9	309.3	110,600	110,200	108,600	101,200	120		
125	69.9	309.1	139,600	127,200	116,200	105,300		70.9	307.3	108,300	107,900	106,400	100,700	125		
130	68.9	307.1	135,900	125,900	115,300	105,100		69.9	305.3	106,100	105,700	104,300	100,200	130		
135	68.0	304.9	132,300	120,600	111,400	101,000		69.0	303.1	104,000	103,600	102,300	99,600	135		
140	67.0	302.7	128,900	113,400	104,700	96,700		68.0	300.8	102,000	101,600	100,300	97,600	140		
145	66.0	300.3	125,600	106,600	98,600	91,000		67.0	298.4	100,100	99,800	98,500	93,500	145		
150	65.0	297.8	122,600	100,300	92,800	85,700		66.0	296.0	98,200	97,900	95,300	88,100	150		
155	64.0	295.3	118,300	94,500	87,400	80,800		65.0	293.4	96,400	96,200	93,700	83,000	155		
160	63.0	292.6	111,400	88,900	82,300	76,100		64.0	290.7	94,800	91,300	84,500	78,200	160		
165	62.0	289.8	105,100	83,800	77,500	71,600		62.9	287.8	93,100	86,000	79,700	73,700	165		
170	60.9	286.9	99,100	78,900	73,000	67,400		61.9	284.9	91,600	81,000	75,000	69,400	170		
175	59.9	283.8	93,500	74,300	68,700	63,500		60.8	281.8	90,100	76,300	70,700	65,400	175		
180	58.9	280.6	88,200	69,900	64,700	59,700		59.8	278.6	88,700	71,800	66,600	61,500	180		
190	56.7	273.9	78,500	61,900	57,200	52,800		57.6	271.9	80,400	63,700	58,900	54,400	190		
200	54.5	266.6	69,900	54,700	50,500	46,500		55.4	264.5	71,600	56,300	52,000	48,000	200		
210	52.2	258.7	62,100	48,200	44,400	40,800		53.1	256.5	63,600	49,600	45,800	42,100	210		
220	49.9	250.1	55,000	42,200	38,800	35,500		50.7	247.8	56,400	43,500	40,100	36,700	220		
230	47.5	240.7	48,600	36,800	33,700	30,700		48.3	238.4	49,800	37,900	34,800	31,800	230		
240	44.9	230.5	42,700	31,800	29,000	26,300		45.7	228.1	43,800	32,800	30,000	27,200	240		
250	42.2	219.3	37,300	27,200	24,600	22,200		43.0	216.7	38,300	28,100	25,500	23,000	250		
260	39.4	207.0	32,400	22,900	20,600	18,400		40.2	204.3	33,200	23,700	21,400	19,100	260		
270	36.4	193.3	27,700	18,900	16,800	14,800		37.1	190.4	28,400	19,600	17,500	15,400	270		
280	33.1	177.9	22,800	15,200	13,300	11,500		33.8	174.7	23,600	15,700	13,900	12,000	280		
290	29.5	160.3	17,900	11,700	10,100	8,400		30.1	156.7	18,500	12,100	10,400	8,800	290		
300	25.4	139.5	13,300	8,500	7,000									300		
310	20.5	113.8	8,200											310		

# MLC650 S-2



	10°						20°							
	ft	°	ft	0° lb	1° lb	2° lb	ft	°	ft	0° lb	1° lb	2° lb	ft	
45	84.9	349.6	143,300											45
50	84.1	349.0	143,300											50
55	83.2	348.3	143,300	133,000			84.3	346.6	142,200					55
60	82.4	347.5	143,300	132,500	120,100		83.4	345.8	141,800	127,700				60
65	81.5	346.7	143,300	132,000	119,800		82.6	345.0	141,500	127,400	116,200			65
70	80.7	345.8	143,300	131,600	119,400		81.7	344.0	141,200	127,200	116,000			70
75	79.8	344.8	143,300	131,200	119,100		80.8	343.0	140,100	127,000	115,900			75
80	79.0	343.7	143,300	130,800	118,800		80.0	341.9	136,500	126,400	115,400			80
85	78.1	342.5	143,300	130,400	118,500		79.1	340.8	133,100	125,200	114,600			85
90	77.3	341.3	143,300	130,100	118,300		78.2	339.5	129,900	124,200	113,800			90
95	76.4	339.9	143,300	129,800	118,100		77.4	338.2	126,800	123,100	113,000			95
100	75.5	338.5	143,200	129,400	117,900		76.5	336.8	123,900	122,100	112,200			100
105	74.6	337.0	143,200	129,200	117,600		75.6	335.3	121,100	120,600	111,500			105
110	73.8	335.5	143,200	128,900	117,400		74.7	333.7	118,500	118,000	110,700			110
115	72.9	333.8	142,900	128,700	117,300		73.8	332.0	116,000	115,500	110,000			115
120	72.0	332.1	142,700	128,500	117,100		73.0	330.3	113,600	113,100	109,200			120
125	71.1	330.2	141,400	128,100	116,400		72.1	328.4	111,300	110,800	108,500			125
130	70.2	328.3	139,800	125,200	114,700		71.2	326.5	109,100	108,700	107,000			130
135	69.3	326.3	137,700	117,400	107,700		70.2	324.5	107,000	106,600	105,000			135
140	68.4	324.2	134,300	110,200	101,100		69.3	322.4	105,000	104,700	103,000			140
145	67.5	322.0	130,900	103,500	95,000		68.4	320.2	103,100	102,700	97,700			145
150	66.6	319.7	123,400	97,200	89,300		67.5	317.9	101,200	99,900	91,900			150
155	65.6	317.3	116,100	91,400	83,900		66.5	315.4	99,400	93,900	86,400			155
160	64.7	314.8	109,200	85,900	78,900		65.6	312.9	97,800	88,300	81,300			160
165	63.7	312.2	102,800	80,700	74,200		64.7	310.3	96,100	83,100	76,400			165
170	62.8	309.5	96,900	75,900	69,700		63.7	307.6	94,600	78,100	71,900			170
175	61.8	306.7	91,200	71,300	65,500		62.7	304.8	93,100	73,500	67,500			175
180	60.9	303.8	86,000	67,000	61,500		61.8	301.8	88,100	69,000	63,500			180
190	58.9	297.6	76,300	59,000	54,100		59.8	295.6	78,300	60,900	55,900			190
200	56.9	290.9	67,600	51,900	47,400		57.7	288.9	69,400	53,600	49,100			200
210	54.8	283.7	59,800	45,400	41,300		55.6	281.6	61,500	46,900	42,900			210
220	52.7	275.9	52,800	39,500	35,800		53.5	273.7	54,300	40,900	37,200			220
230	50.5	267.5	46,400	34,000	30,700		51.3	265.2	47,700	35,300	32,000			230
240	48.2	258.4	40,500	29,100	26,100		49.0	256.1	41,700	30,200	27,200			240
250	45.9	248.5	35,100	24,500	21,800		46.6	246.1	36,200	25,500	22,800			250
260	43.4	237.8	30,100	20,300	17,800		44.1	235.2	31,100	21,200	18,700			260
270	40.8	226.1	24,900	16,300	14,000		41.5	223.4	26,000	17,100	14,800			270
280	38.1	213.2	19,700	12,600	10,600		38.8	210.3	20,600	13,300	11,200			280
290	35.2	198.9	14,800	9,200	7,300		35.8	195.8	15,600	9,800	7,900			290
300	32.0	182.8	10,300				32.6	179.4	10,900	6,500				300
310							29.0	160.7	6,500					310

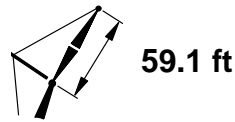
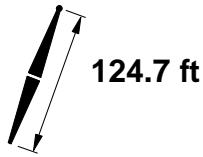
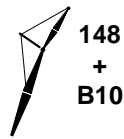
# MLC650 S-2



	10°							20°																					
			0°				1°						0°				1°				2°				3°				
	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	
36	84.4	171.7	117,500c																										36
38	83.7	171.3	116,200c																										38
40	83.0	170.9	114,500c																										40
45	81.2	169.7	110,500																										45
50	79.4	168.4	106,700																										50
55	77.6	166.9	103,200	91,700	82,600b	75,200c	80.7	164.9	87,700	81,400b	74,100c	68,100c																55	
60	75.8	165.2	100,000	89,200	80,600	73,500	78.9	163.2	82,900	79,500	72,600b	66,700c																60	
65	73.9	163.3	97,000	86,800	78,600	71,900	77.0	161.3	78,700	77,600	71,100	65,600b																65	
70	72.0	161.3	94,200	84,600	76,800	70,400	75.1	159.2	74,900	74,000	69,700	64,400																70	
75	70.1	159.0	90,400	82,400	75,000	68,900	73.1	156.9	71,500	70,700	68,400	63,200																75	
80	68.2	156.6	85,800	80,400	73,400	67,500	71.2	154.4	68,300	67,600	66,200	62,200																80	
85	66.2	153.9	81,500	78,600	71,800	66,200	69.2	151.7	65,600	64,900	63,600	61,200																85	
90	64.2	151.0	77,700	76,800	70,300	65,000	67.1	148.8	62,900	62,400	61,200	60,200																90	
95	62.1	147.9	74,200	73,600	69,000	63,700	65.0	145.6	60,600	60,100	59,100	58,100																95	
100	60.0	144.5	71,000	70,500	67,700	62,600	62.9	142.1	58,400	58,000	57,000	56,200																100	
105	57.8	140.8	68,100	67,600	66,400	61,600	60.7	138.4	56,300	56,000	55,200	54,400																105	
110	55.6	136.8	65,400	65,000	64,600	60,600	58.4	134.3	54,500	54,200	53,500	52,800																110	
115	53.3	132.5	63,000	62,600	62,200	59,600	56.1	129.9	52,800	52,500	51,900	51,300																115	
120	50.9	127.8	60,700	60,300	60,000	58,800	53.6	125.1	51,200	51,000	50,400	49,900																120	
125	48.4	122.7	58,700	58,300	57,900	57,600	51.1	119.9	49,700	49,600	49,100	48,600																125	
130	45.8	117.1	56,800	56,400	56,000	55,800	48.4	114.1	48,400	48,300	47,900	47,400																130	
135	43.1	111.0	54,900	54,700	54,300	54,100	45.5	107.8	47,200	47,000	46,700	46,400																135	
140	40.1	104.1	53,300	53,000	52,700	52,500	42.5	100.8	46,100	46,000	45,700	45,400																140	
145	36.9	96.5	51,800	51,500	51,300	51,000	39.2	92.8	45,000	44,900	44,800	44,600																145	
150	33.4	87.8	50,400	50,100	49,900	49,700	35.5	83.7	44,200	44,000	44,000	43,900																150	
155	29.5	77.7	49,200	48,900	48,700	48,500	31.3	72.9	43,500	43,300	43,200	43,200																155	
160	24.8	65.2	48,100	47,900	47,600	47,400																						160	

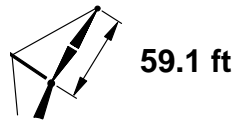
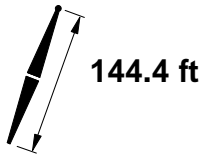
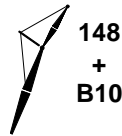


# MLC650 S-2



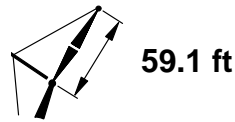
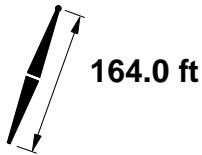
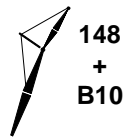
	10°							20°							
	ft	°	ft	0°				ft	°	0°				ft	
				lb	lb	lb	lb			lb	lb	lb	lb		
36	85.0	191.7	117,800c					85.0	187.8	96,300c				36	
38	84.4	191.3	117,200c					83.4	186.6	93,900				38	
40	83.8	190.9	116,000b	101,400d										40	
45	82.2	189.9	112,300	98,600c	88,100c									45	
50	80.6	188.7	108,900	96,000	86,100c	78,000c								50	
55	79.0	187.4	105,700	93,500	84,000	76,400c	81.8	185.3	90,400	82,300b	74,900c	68,700c	55		
60	77.3	185.9	102,700	91,200	82,100	74,800	80.1	183.7	86,000	80,600	73,500b	67,500c	60		
65	75.7	184.2	99,800	88,900	80,400	73,300	78.5	182.1	81,900	79,000	72,200	66,400b	65		
70	74.0	182.4	97,200	86,900	78,600	71,900	76.8	180.3	78,200	77,300	70,900	65,300	70		
75	72.4	180.5	94,600	84,900	77,000	70,500	75.1	178.3	74,900	74,000	69,700	64,300	75		
80	70.7	178.3	91,900	82,900	75,500	69,200	73.4	176.1	71,900	71,100	68,500	63,300	80		
85	69.0	176.0	87,600	81,200	74,000	68,000	71.7	173.7	69,100	68,400	66,900	62,300	85		
90	67.2	173.5	83,700	79,500	72,500	66,700	69.9	171.2	66,500	65,900	64,500	61,500	90		
95	65.5	170.8	80,000	77,800	71,200	65,600	68.1	168.5	64,100	63,500	62,300	60,600	95		
100	63.7	167.9	76,700	76,100	69,900	64,500	66.3	165.5	61,900	61,400	60,300	59,300	100		
105	61.8	164.8	73,700	73,200	68,700	63,500	64.4	162.3	59,900	59,400	58,400	57,500	105		
110	59.9	161.4	70,900	70,400	67,500	62,500	62.5	158.9	58,000	57,600	56,700	55,800	110		
115	58.0	157.8	68,300	67,800	66,500	61,600	60.5	155.3	56,300	55,900	55,100	54,300	115		
120	56.1	153.9	65,900	65,500	65,100	60,700	58.5	151.3	54,600	54,300	53,600	52,900	120		
125	54.0	149.8	63,700	63,300	62,900	59,900	56.5	147.1	53,100	52,800	52,200	51,500	125		
130	52.0	145.3	61,700	61,200	60,900	59,100	54.4	142.6	51,700	51,400	50,900	50,300	130		
135	49.8	140.5	59,800	59,400	59,000	58,400	52.1	137.6	50,300	50,200	49,600	49,100	135		
140	47.6	135.3	58,000	57,600	57,300	57,000	49.9	132.3	49,100	49,000	48,500	48,100	140		
145	45.2	129.7	56,300	56,000	55,700	55,400	47.5	126.6	48,000	47,800	47,500	47,100	145		
150	42.8	123.6	54,700	54,400	54,200	53,900	44.9	120.3	46,900	46,800	46,500	46,200	150		
155	40.1	116.9	53,300	53,000	52,700	52,500	42.2	113.4	46,000	45,800	45,600	45,300	155		
160	37.4	109.5	52,000	51,700	51,500	51,200	39.3	105.7	45,100	44,900	44,900	44,600	160		
165	34.4	101.2	50,800	50,500	50,200	50,000	36.2	97.0	44,400	44,200	44,100	44,000	165		
170	31.0	91.8	49,600	49,300	49,100	48,900	32.7	87.1	43,600	43,600	43,500	43,300	170		
175	27.3	80.8	48,600	48,400	48,100	48,000	28.7	75.3	43,200	43,000	42,900	42,900	175		
180	22.8	67.3	47,700	47,500	47,300	47,100							180		

# MLC650 S-2



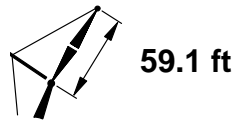
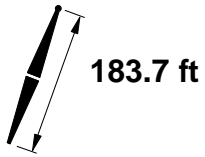
	10°							20°						
	ft	°	ft					°	ft					ft
				0°	1°	2°	3°			0°	1°	2°	3°	
38	84.9	211.2	117,300c											38
40	84.4	210.9	116,900											40
45	82.9	209.9	113,800	99,700c	88,900d									45
50	81.5	208.9	110,600	97,200	87,000c	78,800c	84.1	206.7	94,700					50
55	80.1	207.7	107,600	95,000	85,100	77,300c	82.6	205.5	92,600	83,100	75,400c			55
60	78.6	206.3	104,800	92,700	83,400	75,800	81.1	204.1	88,600	81,500	74,100	68,100c		60
65	77.1	204.9	102,100	90,700	81,700	74,400	79.7	202.6	84,700	80,000	72,900	67,000		65
70	75.7	203.3	99,600	88,700	80,100	73,100	78.2	201.0	81,200	78,600	71,700	66,000		70
75	74.2	201.5	97,200	86,800	78,600	71,800	76.6	199.2	77,900	77,000	70,600	65,100		75
80	72.7	199.6	94,900	85,000	77,100	70,600	75.1	197.3	75,000	74,100	69,500	64,200		80
85	71.1	197.5	92,800	83,300	75,600	69,400	73.6	195.2	72,200	71,400	68,500	63,300		85
90	69.6	195.3	89,100	81,700	74,300	68,300	72.0	193.0	69,600	68,900	67,400	62,400		90
95	68.1	193.0	85,400	80,200	73,000	67,200	70.4	190.6	67,300	66,600	65,300	61,600		95
100	66.5	190.4	82,000	78,700	71,800	66,200	68.8	188.0	65,100	64,500	63,300	60,900		100
105	64.9	187.7	78,900	77,300	70,700	65,100	67.2	185.2	63,100	62,500	61,400	60,200		105
110	63.2	184.8	76,000	75,400	69,600	64,200	65.6	182.3	61,100	60,700	59,600	58,600		110
115	61.6	181.7	73,300	72,800	68,500	63,300	63.9	179.1	59,400	58,900	58,000	57,100		115
120	59.9	178.3	70,800	70,300	67,500	62,400	62.2	175.8	57,700	57,300	56,400	55,600		120
125	58.2	174.8	68,500	68,000	66,500	61,600	60.4	172.2	56,100	55,800	55,000	54,200		125
130	56.4	171.1	66,300	65,900	65,500	60,800	58.6	168.3	54,700	54,400	53,600	52,900		130
135	54.6	167.0	64,300	63,900	63,500	60,100	56.8	164.3	53,300	53,100	52,400	51,700		135
140	52.8	162.8	62,500	62,000	61,600	59,300	54.9	159.9	52,100	51,800	51,200	50,600		140
145	50.9	158.2	60,700	60,300	59,900	58,700	53.0	155.2	50,800	50,600	50,100	49,600		145
150	48.9	153.3	59,000	58,600	58,300	57,900	51.0	150.2	49,700	49,500	49,000	48,600		150
155	46.8	148.0	57,500	57,100	56,800	56,500	48.9	144.9	48,700	48,500	48,100	47,600		155
160	44.7	142.4	56,000	55,700	55,400	55,100	46.7	139.1	47,700	47,500	47,200	46,800		160
165	42.5	136.3	54,600	54,300	54,000	53,700	44.4	132.8	46,800	46,600	46,300	46,000		165
170	40.2	129.7	53,400	53,100	52,700	52,500	42.0	126.0	45,900	45,800	45,600	45,300		170
175	37.7	122.4	52,200	51,800	51,600	51,300	39.5	118.5	45,100	45,000	44,900	44,600		175
180	35.1	114.5	51,000	50,800	50,500	50,300	36.7	110.2	44,400	44,300	44,300	44,100		180
190	29.0	95.5	49,000	48,800	48,600	48,300	30.4	90.2	43,300	43,200	43,200	43,000		190
200	21.1	69.1	47,500	47,300	47,100	46,900								200

# MLC650 S-2



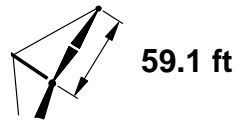
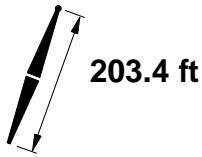
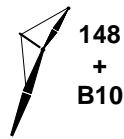
	10°						20°								
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb		2° lb	3° lb
40	84.9	230.8	116,900												40
45	83.6	229.9	114,900	100,400c											45
50	82.3	229.0	112,000	98,200	87,600c			84.6	226.7		95,300				50
55	81.0	227.9	109,200	96,100	85,900	77,900c		83.3	225.6		93,400	83,600			55
60	79.6	226.7	106,500	94,000	84,300	76,500		81.9	224.4		90,800	82,200	74,700	68,400c	60
65	78.3	225.3	104,000	92,100	82,700	75,300		80.6	223.0		87,100	80,800	73,500	67,500	65
70	77.0	223.9	101,600	90,200	81,200	74,000		79.3	221.6		83,700	79,500	72,400	66,600	70
75	75.6	222.3	99,300	88,400	79,800	72,800		77.9	220.0		80,500	78,200	71,400	65,700	75
80	74.3	220.6	97,200	86,700	78,400	71,600		76.5	218.2		77,600	76,700	70,400	64,800	80
85	72.9	218.7	95,100	85,100	77,200	70,500		75.1	216.4		75,000	74,100	69,400	64,100	85
90	71.5	216.7	93,200	83,500	75,900	69,500		73.7	214.3		72,400	71,700	68,500	63,200	90
95	70.1	214.6	90,400	82,100	74,600	68,500		72.3	212.2		70,100	69,400	67,600	62,500	95
100	68.7	212.3	86,900	80,700	73,500	67,500		70.9	209.9		68,000	67,300	65,900	61,800	100
105	67.3	209.9	83,700	79,300	72,300	66,500		69.5	207.4		65,900	65,300	64,000	61,100	105
110	65.9	207.3	80,700	78,000	71,200	65,600		68.0	204.8		64,000	63,400	62,300	60,400	110
115	64.4	204.6	78,000	76,700	70,200	64,700		66.5	202.0		62,200	61,700	60,600	59,600	115
120	62.9	201.7	75,400	74,800	69,200	63,900		65.0	199.1		60,500	60,100	59,100	58,100	120
125	61.4	198.6	73,000	72,500	68,300	63,100		63.5	195.9		59,000	58,500	57,600	56,700	125
130	59.9	195.3	70,800	70,300	67,400	62,300		61.9	192.6		57,500	57,100	56,200	55,400	130
135	58.3	191.8	68,700	68,200	66,500	61,500		60.3	189.1		56,000	55,700	54,900	54,200	135
140	56.7	188.1	66,700	66,200	65,600	60,900		58.7	185.3		54,800	54,400	53,700	53,000	140
145	55.1	184.2	64,800	64,400	64,000	60,200		57.1	181.4		53,500	53,200	52,600	51,900	145
150	53.4	180.1	63,100	62,700	62,300	59,500		55.4	177.2		52,300	52,100	51,500	50,900	150
155	51.7	175.7	61,500	61,100	60,600	58,900		53.6	172.7		51,200	51,000	50,400	49,900	155
160	49.9	171.0	59,900	59,500	59,200	58,300		51.8	167.9		50,200	50,000	49,500	49,000	160
165	48.1	166.0	58,400	58,100	57,700	57,400		50.0	162.8		49,200	49,100	48,600	48,100	165
170	46.3	160.7	57,000	56,700	56,400	56,100		48.1	157.4		48,300	48,200	47,700	47,300	170
175	44.3	155.1	55,700	55,400	55,100	54,800		46.1	151.6		47,400	47,300	46,900	46,600	175
180	42.3	149.0	54,500	54,200	53,900	53,600		44.0	145.4		46,600	46,500	46,200	45,900	180
190	38.0	135.3	52,300	52,000	51,700	51,500		39.6	131.3		45,200	45,000	44,900	44,700	190
200	33.1	119.1	50,300	50,000	49,800	49,600		34.5	114.5		43,900	43,900	43,800	43,700	200
210	27.3	98.8	48,600	48,400	48,200	47,900		28.4	93.1		43,100	43,000	42,900	42,900	210
220	19.6	70.7	47,300	47,100	47,000	46,700									220

# MLC650 S-2



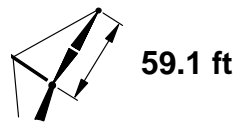
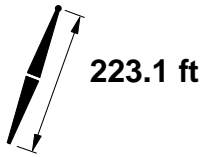
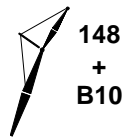
	10°							20°						
	ft	°	ft	0°				ft	°	0°				ft
				lb	lb	lb	lb			lb	lb	lb	lb	
45	84.1	249.9	115,900	99,000	88,200 <sup>b</sup>	78,400 <sup>c</sup>	85.1	246.7	95,900	84,100	75,000	67,900	45	
50	82.9	249.0	113,100	97,000	86,600		83.8	245.7	94,100	82,700	74,000		50	
55	81.7	248.0	110,500	95,100	85,100		82.6	244.5	92,400	81,500	73,000		55	
60	80.5	246.9	108,000	93,200	83,700		81.4	243.3	89,200	80,300	72,000		60	
65	79.3	245.7	105,600	91,500	82,200		80.2	242.0	86,000	79,000	71,100		65	
70	78.1	244.3	103,300	89,800	80,900		78.9	240.5	82,900	77,900	70,200		70	
75	76.8	242.9	101,200	88,200	79,600		77.7	238.9	80,100	76,500	69,300		75	
80	75.6	241.3	99,200	86,700	78,400		76.4	237.2	77,400	74,100	68,500		80	
85	74.4	239.6	97,200	85,100	77,100		75.2	235.4	74,900	71,900	67,700		85	
90	73.1	237.8	95,300	83,700	75,900		73.9	233.4	72,700	70,000	66,800		90	
95	71.8	235.9	93,500	82,400	74,800		72.6	231.4	70,500	69,800	66,000		95	
100	70.6	233.9	91,500	81,100	73,700		71.3	229.2	68,500	67,800	65,200		100	
105	69.3	231.7	88,300	79,900	72,700		70.0	226.8	66,600	66,000	64,400		105	
110	68.0	229.3	85,200	78,600	71,700		68.6	224.3	64,800	64,200	63,600		110	
115	66.7	226.9	82,400	77,500	70,800		67.3	221.7	63,100	62,600	63,000		115	
120	65.3	224.3	79,700	76,300	69,800		65.9	218.9	61,500	61,100	62,000		120	
125	64.0	221.5	77,300	74,400	68,900		64.5	215.9	60,000	59,600	61,500		125	
130	62.6	218.6	75,000	72,200	68,100		63.1	212.8	58,600	58,200	58,600		130	
135	61.2	215.5	72,800	70,200	67,300		61.7	209.5	57,300	56,900	57,300		135	
140	59.8	212.2	70,700	68,300	66,400		60.3	206.0	56,000	55,700	56,000		140	
145	58.4	208.8	68,900	66,500	65,700		58.8	202.3	54,800	54,500	55,000		145	
150	56.9	205.2	67,000	64,800	64,400		57.3	198.5	53,700	53,400	54,000		150	
155	55.5	201.4	65,300	63,300	63,000		55.7	194.4	52,600	52,300	53,000		155	
160	53.9	197.3	63,600	61,700	61,300		54.2	190.0	51,600	51,300	52,000		160	
165	52.4	193.1	62,100	60,300	59,900		52.6	185.5	50,600	50,400	51,000		165	
170	50.8	188.6	60,600	58,900	58,600		50.9	180.6	49,700	49,500	50,000		170	
175	49.2	183.8	59,300	57,600	57,300		49.2	175.5	48,800	48,700	49,000		175	
180	47.5	178.8	58,000	56,300	56,000		47.5	170.5	47,900	47,800	48,000		180	
190	44.0	167.7	55,600	54,900	54,700		45.6	164.2	47,200	47,100	47,500		190	
200	40.2	155.2	53,400	52,800	52,500		41.7	151.3	45,800	45,700	46,000		200	
210	36.0	140.7	51,500	51,200	50,900		37.4	136.3	44,600	44,600	45,000		210	
220	31.3	123.4	49,800	49,500	49,200		32.5	118.4	43,700	43,600	44,000		220	
230	25.8	101.9	48,300	48,100	47,900						43,400		230	

# MLC650 S-2



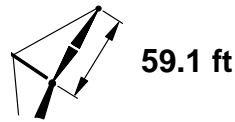
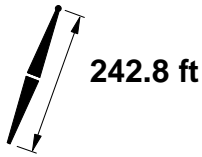
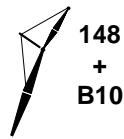
	10°							20°							
	ft	°	ft	661,300 lb				ft	°	ft	661,300 lb				ft
				0°	1°	2°	3°				0°	1°	2°	3°	
ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
45	84.6	269.8	116,000												45
50	83.4	269.0	113,900	99,400											50
55	82.3	268.0	111,500	97,600	87,000										55
60	81.2	267.0	109,200	95,800	85,600	77,500	84.3	265.7	94,500						60
65	80.1	265.9	106,900	94,100	84,200	76,400	83.2	264.6	92,900	83,100					65
70	79.0	264.7	104,800	92,500	82,900	75,300	82.1	263.5	91,100	81,900	74,300				70
75	77.9	263.3	102,700	90,900	82,900	75,300	80.9	262.3	88,000	80,700	73,400	67,200			75
80	76.7	261.9	100,800	89,400	81,600	74,200	79.8	260.9	85,000	79,600	72,500	66,500			80
85	75.6	260.4	98,900	87,900	80,400	73,200	78.6	259.5	82,200	78,600	71,600	65,800			85
90	74.4	258.7	97,100	86,500	79,200	72,200	77.5	257.9	79,600	77,600	70,800	65,100			90
95	73.3	256.9	95,300	85,100	78,100	71,300	76.3	256.2	77,300	76,400	69,900	64,400			95
100	72.1	255.1	93,700	83,800	77,000	70,400	75.2	254.4	75,000	74,200	69,200	63,700			100
105	70.9	253.1	92,100	82,600	76,000	69,500	74.0	252.5	72,900	72,100	68,400	63,100			105
110	69.7	250.9	89,400	81,300	74,900	68,600	72.8	250.5	70,800	70,100	67,600	62,500			110
115	68.6	248.7	86,500	80,200	73,900	67,800	71.6	248.4	69,000	68,300	66,900	61,800			115
120	67.3	246.3	83,800	79,100	73,000	67,000	70.4	246.1	67,200	66,600	65,200	61,300			120
125	66.1	243.8	81,300	78,000	72,000	66,200	69.2	243.7	65,500	64,900	63,700	60,700			125
130	64.9	241.2	78,900	76,900	71,200	65,500	67.9	241.2	63,900	63,400	62,200	60,200			130
135	63.6	238.4	76,700	75,900	70,300	64,700	66.7	238.5	62,500	61,900	60,800	59,700			135
140	62.4	235.5	74,600	74,000	69,400	64,000	65.4	235.7	61,000	60,500	59,500	58,500			140
145	61.1	232.4	72,700	72,100	68,700	63,300	64.1	232.8	59,600	59,200	58,200	57,300			145
150	59.8	229.2	70,700	70,200	67,800	62,600	62.9	229.6	58,300	57,900	57,000	56,200			150
155	58.5	225.8	69,000	68,400	67,100	62,000	61.5	226.4	57,200	56,800	55,900	55,100			155
160	57.1	222.2	67,300	66,800	66,300	61,400	60.2	222.9	56,000	55,600	54,800	54,100			160
165	55.8	218.5	65,700	65,200	65,700	60,800	58.8	219.3	54,900	54,500	53,800	53,100			165
170	54.4	214.5	64,200	63,700	64,800	60,300	57.5	215.5	53,900	53,500	52,800	52,200			170
175	53.0	210.4	62,700	63,300	63,300	59,700	56.1	211.5	52,800	52,500	51,900	51,300			175
180	51.5	206.0	61,300	62,300	62,300	59,200	54.6	207.3	51,900	51,600	51,000	50,400			180
190	48.5	196.6	58,800	61,000	60,600	58,600	53.1	202.9	51,000	50,700	50,200	49,600			190
200	45.4	186.1	56,500	58,800	58,400	57,700	50.1	193.3	49,300	49,100	48,600	48,200			200
210	42.0	174.4	54,400	56,200	55,800	56,600	46.9	182.6	47,800	47,600	47,200	46,900			210
220	38.4	161.0	52,500	54,100	53,800	53,500	43.4	170.6	46,400	46,300	46,000	45,700			220
230	34.4	145.7	50,800	52,200	51,900	51,700	39.7	156.9	45,300	45,100	44,900	44,700			230
240	29.8	127.5	49,300	50,600	50,300	49,100	35.6	141.1	44,200	44,100	44,000	43,900			240
250	24.4	104.8	48,100	48,500	46,500	44,500	30.9	122.1	43,400	43,300	43,200	43,200			250

# MLC650 S-2



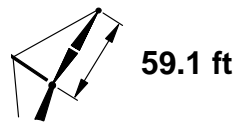
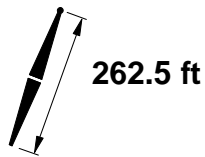
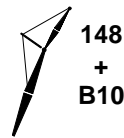
	10°								20°							
			0°								0°					
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft		
45	84.9	289.6	115,700											45		
50	83.9	288.9	114,400	99,600										50		
55	82.9	288.0	112,100	97,900	87,100									55		
60	81.8	287.1	110,000	96,200	85,800	77,600		84.7	285.6	94,800				60		
65	80.8	286.0	107,900	94,600	84,600	76,500		83.7	284.6	93,300	83,300			65		
70	79.8	284.9	105,800	93,100	83,300	75,500		82.6	283.6	92,000	82,200	74,400		70		
75	78.7	283.7	103,900	91,600	82,200	74,600		81.6	282.5	89,700	81,100	73,600	67,400	75		
80	77.7	282.4	102,100	90,200	81,000	73,600		80.5	281.2	86,800	80,100	72,700	66,700	80		
85	76.6	280.9	100,300	88,900	79,900	72,700		79.5	279.9	84,100	79,100	71,900	66,000	85		
90	75.6	279.4	98,600	87,500	78,800	71,900		78.4	278.4	81,600	78,100	71,100	65,400	90		
95	74.5	277.8	96,900	86,300	77,800	71,000		77.3	276.9	79,300	77,200	70,400	64,700	95		
100	73.4	276.0	95,300	85,000	76,800	70,200		76.3	275.2	77,100	76,200	69,600	64,100	100		
105	72.3	274.2	93,800	83,700	75,900	69,300		75.2	273.5	75,000	74,200	68,900	63,500	105		
110	71.2	272.2	92,300	82,600	74,900	68,500		74.1	271.6	73,000	72,300	68,200	62,900	110		
115	70.1	270.2	90,400	81,500	74,000	67,800		73.0	269.7	71,200	70,400	67,600	62,300	115		
120	69.0	268.0	87,700	80,400	73,100	67,100		71.9	267.6	69,400	68,700	67,000	61,800	120		
125	67.9	265.7	85,200	79,400	72,300	66,300		70.8	265.4	67,700	67,100	65,700	61,300	125		
130	66.8	263.3	82,700	78,400	71,400	65,600		69.6	263.1	66,100	65,500	64,200	60,700	130		
135	65.7	260.8	80,400	77,400	70,600	65,000		68.5	260.6	64,700	64,100	62,800	60,300	135		
140	64.5	258.1	78,300	76,400	69,800	64,300		67.3	258.1	63,200	62,700	61,500	59,800	140		
145	63.3	255.3	76,200	75,500	69,100	63,600		66.2	255.4	61,900	61,300	60,300	59,200	145		
150	62.2	252.4	74,300	73,700	68,300	63,100		65.0	252.6	60,600	60,100	59,100	58,100	150		
155	61.0	249.3	72,500	71,900	67,600	62,400		63.8	249.6	59,300	58,900	57,900	57,000	155		
160	59.8	246.1	70,800	70,200	66,900	61,800		62.6	246.5	58,200	57,700	56,800	56,000	160		
165	58.6	242.8	69,100	68,600	66,200	61,300		61.4	243.3	57,100	56,600	55,800	55,000	165		
170	57.3	239.3	67,500	67,000	65,600	60,800		60.1	239.9	56,000	55,600	54,800	54,000	170		
175	56.1	235.6	66,000	65,600	65,000	60,200		58.9	236.3	54,900	54,600	53,800	53,100	175		
180	54.8	231.7	64,600	64,100	63,800	59,800		57.6	232.6	54,000	53,600	52,900	52,300	180		
190	52.1	223.4	62,000	61,600	61,200	58,800		56.3	228.6	53,100	52,700	52,100	51,400	190		
200	49.4	214.3	59,500	59,100	58,800	57,900		53.6	220.2	51,300	51,000	50,500	49,900	200		
210	46.5	204.3	57,300	57,000	56,600	56,300		50.9	211.0	49,700	49,500	49,000	48,500	210		
220	43.5	193.1	55,300	55,000	54,700	51,800		47.9	200.8	48,300	48,100	47,700	47,300	220		
230	40.2	180.7	53,500	52,000	49,400	46,900		44.8	189.4	47,000	46,800	46,500	46,100	230		
240	36.7	166.6	51,800	46,900	44,500	42,300		41.5	176.7	45,800	45,700	45,400	45,200	240		
250	32.9	150.4	50,300	42,100	40,000	38,000		37.9	162.2	44,700	44,700	44,500	43,200	250		
260	28.5	131.3	46,100	37,600	35,800	34,000		33.9	145.5	43,900	42,800	40,700	38,700	260		
270	23.2	107.5	41,200	33,400	31,900	30,300		29.4	125.6	43,200	38,200	36,300	34,500	270		

# MLC650 S-2



	10°						20°								
	ft	°	ft	661,300 lb				ft	°	ft	661,300 lb				
				0°	1°	2°	3°				0°	1°		2°	3°
ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
50	84.3	308.8	114,700											50	
55	83.3	308.0	112,600	98,000										55	
60	82.4	307.1	110,700	96,600	85,900									60	
65	81.4	306.1	108,600	95,100	84,700	76,600	84.1	304.6	93,700	82,400				65	
70	80.4	305.1	106,800	93,600	83,600	75,700	83.1	303.6	92,400	81,400	73,700			70	
75	79.5	303.9	104,900	92,300	82,600	74,800	81.2	301.4	88,500	80,500	72,900	66,800		75	
80	78.5	302.7	103,200	90,900	81,400	73,900	80.2	300.2	85,900	79,500	72,200	66,100		80	
85	77.5	301.4	101,500	89,600	80,400	73,000	79.2	298.8	83,400	78,600	71,400	65,500		85	
90	76.5	299.9	99,800	88,300	79,400	72,200	78.2	297.4	81,200	77,700	70,700	65,000		90	
95	75.5	298.4	98,300	87,100	78,400	71,400	77.2	295.9	79,000	76,900	70,000	64,400		95	
100	74.5	296.8	96,700	86,000	77,500	70,600	76.2	294.3	77,000	76,100	69,300	63,800		100	
105	73.5	295.1	95,200	84,800	76,500	69,800	75.2	292.5	75,000	74,200	68,700	63,300		105	
110	72.5	293.3	93,800	83,700	75,700	69,100	74.2	290.7	73,200	72,400	68,100	62,700		110	
115	71.5	291.4	92,500	82,600	74,800	68,400	73.1	288.8	71,400	70,700	67,500	62,200		115	
120	70.5	289.4	91,100	81,600	74,000	67,700	72.1	286.8	69,800	69,100	66,800	61,700		120	
125	69.5	287.3	88,800	80,600	73,200	67,000	71.1	284.6	68,200	67,500	66,100	61,200		125	
130	68.4	285.1	86,300	79,600	72,400	66,300	70.0	282.4	66,700	66,100	64,700	60,700		130	
135	67.4	282.7	84,000	78,600	71,600	65,700	69.0	280.0	65,300	64,700	63,400	60,200		135	
140	66.3	280.3	81,800	77,700	70,800	65,000	67.9	277.6	63,900	63,300	62,100	59,800		140	
145	65.3	277.7	79,700	76,800	70,100	64,400	66.8	275.0	62,600	62,100	60,900	59,400		145	
150	64.2	275.1	77,700	76,000	69,400	63,800	65.7	272.3	61,400	60,800	59,800	58,800		150	
155	63.1	272.3	75,900	75,200	68,700	63,300	64.6	269.4	60,200	59,700	58,700	57,700		155	
160	62.0	269.3	74,200	73,500	68,000	62,700	63.5	266.5	59,100	58,600	57,600	56,700		160	
165	60.9	266.3	72,400	71,800	67,300	62,200	62.4	263.4	58,000	57,500	56,600	55,800		165	
170	59.8	263.1	70,800	70,200	66,700	61,700	61.3	260.2	57,000	56,500	55,700	54,900		170	
175	58.6	259.8	69,300	68,800	66,100	61,100	60.1	256.8	56,000	55,500	54,700	54,000		175	
180	57.5	256.3	67,800	67,300	65,600	60,700	58.9	253.3	55,100	54,600	53,900	53,100		180	
190	55.1	248.8	65,000	64,600	64,200	59,700	56.5	245.8	53,300	52,900	52,200	51,600		190	
200	52.7	240.7	62,500	62,100	61,700	58,600	54.1	237.5	51,600	51,300	50,700	50,100		200	
210	50.1	231.9	60,200	59,700	56,100	52,700	51.5	228.6	50,100	49,800	49,300	48,800		210	
220	47.5	222.2	58,100	53,600	50,400	47,300	48.8	218.7	48,700	48,500	48,000	47,600		220	
230	44.7	211.6	56,200	48,100	45,200	42,400	46.0	207.9	47,500	47,300	46,600	43,700		230	
240	41.8	199.8	53,500	43,000	40,400	37,900	43.0	195.9	46,300	44,200	41,600	39,000		240	
250	38.6	186.7	48,000	38,200	35,900	33,600	39.8	182.5	45,300	39,300	36,900	34,600		250	
260	35.3	171.9	42,900	33,900	31,800	29,700	36.3	167.3	43,800	34,700	32,600	30,500		260	
270	31.5	154.9	38,200	29,800	27,900	26,100	32.5	149.8	38,800	30,400	28,500	26,700		270	
280	27.3	134.9	33,700	25,900	24,300	22,700								280	
290	22.2	109.9	29,400	22,300	20,800	19,400								290	

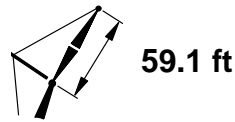
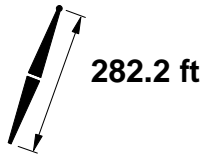
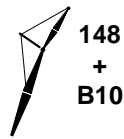
# MLC650 S-2



ft	10°							20°							ft
	ft	°	ft	lb				ft	°	ft	lb				
				0°	1°	2°	3°				0°	1°	2°	3°	
50	84.7	328.7	114,400												50
55	83.8	327.9	113,000	98,100											55
60	82.9	327.1	111,100	96,700	85,900										60
65	82.0	326.2	109,300	95,300	84,800	76,500		84.5	324.6	93,900	82,400				65
70	81.0	325.2	107,500	94,000	83,700	75,700		83.6	323.7	92,600	81,500	73,700			70
75	80.1	324.1	105,700	92,600	82,700	74,900		82.6	322.7	91,400	80,600	73,000			75
80	79.2	323.0	104,100	91,400	81,700	74,000		81.7	321.6	90,000	80,600	73,000	66,700		80
85	78.3	321.7	102,400	90,200	80,700	73,300		80.8	320.4	87,500	79,700	72,300	66,200		85
90	77.4	320.4	100,900	89,000	79,800	72,500		79.9	319.2	85,100	78,900	71,600	65,600		90
95	76.5	319.0	99,400	87,800	78,900	71,700		78.9	317.8	82,900	78,100	70,900	65,000		95
100	75.5	317.5	98,000	86,700	78,000	71,000		78.0	316.4	80,800	77,300	70,200	64,500		100
105	74.6	315.9	96,500	85,600	77,200	70,200		77.1	314.9	78,700	76,400	69,600	63,900		105
110	73.6	314.2	95,200	84,600	76,300	69,600		76.1	313.3	76,900	75,700	69,000	63,400		110
115	72.7	312.4	93,800	83,600	75,400	68,900		75.2	311.6	75,100	74,200	68,400	62,900		115
120	71.8	310.6	92,500	82,600	74,600	68,200		74.2	309.8	73,400	72,500	67,800	62,500		120
125	70.8	308.6	91,300	81,600	73,900	67,500		73.3	307.9	71,700	70,900	67,200	62,000		125
130	69.8	306.5	89,800	80,600	73,100	66,900		72.3	305.9	70,100	69,400	66,700	61,500		130
135	68.9	304.4	87,400	79,700	72,400	66,300		71.3	303.8	68,600	67,900	66,200	61,000		135
140	67.9	302.1	85,200	78,800	71,600	65,700		70.4	301.7	67,300	66,500	65,200	60,600		140
145	66.9	299.7	83,100	78,000	71,000	65,100		69.4	299.4	65,900	65,200	63,900	60,200		145
150	65.9	297.3	81,000	77,100	70,200	64,600		68.4	297.0	64,600	63,900	62,700	59,800		150
155	64.9	294.7	79,200	76,300	69,600	64,000		67.4	294.5	63,400	62,700	61,600	59,400		155
160	63.9	292.0	77,300	75,500	68,900	63,400		66.4	291.9	62,200	61,500	60,500	59,000		160
165	62.9	289.2	75,600	74,800	68,300	62,900		65.3	289.2	61,100	60,400	59,400	58,400		165
170	61.8	286.3	74,000	73,400	67,700	62,300		64.3	286.3	60,000	59,400	58,400	57,400		170
175	60.8	283.2	72,400	71,800	67,100	61,900		63.3	283.4	58,900	58,300	57,400	56,500		175
180	59.7	280.0	70,900	70,300	66,500	61,400		62.2	280.3	57,900	57,400	56,500	55,600		180
190	57.6	273.3	68,100	67,600	65,400	60,500		61.1	277.1	56,900	56,400	55,600	54,800		190
200	55.4	266.0	65,500	63,600	59,300	55,300		59.0	270.2	55,100	54,600	53,900	53,200		200
210	53.1	258.0	63,100	56,900	53,100	49,500		56.7	262.8	53,400	53,000	52,300	51,700		210
220	50.8	249.4	60,900	50,900	47,500	44,200		54.4	254.8	51,900	51,500	50,900	50,300		220
230	48.3	240.0	57,300	45,400	42,300	39,300		52.0	246.0	50,400	50,100	49,200	45,900		230
240	45.8	229.8	51,400	40,300	37,500	34,800		49.6	236.5	49,100	47,000	43,800	40,800		240
250	43.1	218.6	45,900	35,700	33,100	30,600		47.0	226.1	47,900	41,800	38,900	36,100		250
260	40.2	206.2	40,800	31,300	29,000	26,700		44.2	214.7	46,900	36,900	34,300	31,800		260
270	37.2	192.4	36,100	27,300	25,200	23,100		41.4	202.1	42,000	32,400	30,100	27,800		270
280	33.9	177.0	31,800	23,500	21,600	19,800		38.3	188.0	37,100	28,200	26,100	24,000		280
290	30.3	159.2	27,600	20,000	18,300	16,600		34.9	172.1	32,500	24,300	22,300	20,500		290
300	26.2	138.3	23,800	16,600	15,100	13,600		31.1	153.8	28,200	20,500	18,800	17,100		300
310	21.2	112.2	19,200	13,400	12,100	10,800									310

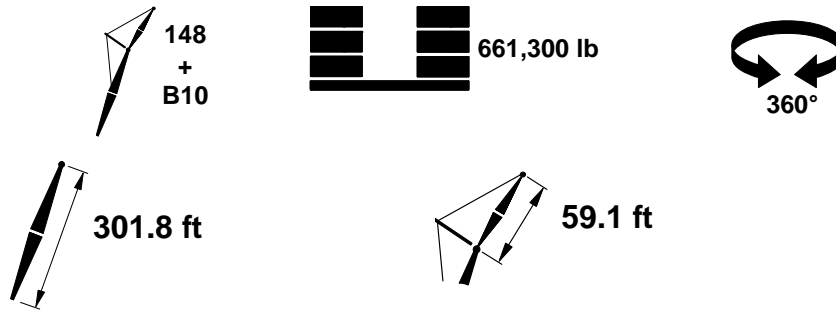


# MLC650 S-2



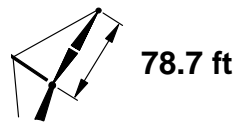
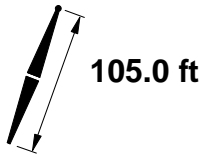
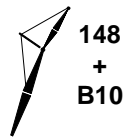
	10°							20°							
	ft	°	ft	661,300 lb				ft	°	ft	661,300 lb				
				0°	1°	2°	3°				0°	1°	2°	3°	
ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
50	85.0	348.5	113,900												50
55	84.1	347.8	113,100												55
60	83.3	347.0	111,400												60
65	82.4	346.2	109,600	96,600	84,700			84.8	344.5	93,900	82,400				65
70	81.6	345.2	107,900	94,000	83,700	75,500		83.9	343.6	92,700	81,500				70
75	80.7	344.2	106,300	92,800	82,700	74,700		83.1	342.7	91,700	80,700				75
80	79.9	343.1	104,700	91,600	81,800	74,000		82.2	341.7	90,500	80,700	72,900			80
85	79.0	342.0	103,200	90,500	80,800	73,200		81.4	340.6	89,000	79,900	72,200	66,000		85
90	78.1	340.7	101,700	89,400	80,000	72,500		80.5	339.4	86,600	79,100	71,600	65,500		90
95	77.3	339.4	100,300	88,300	79,100	71,800		79.6	338.1	84,500	78,300	70,900	64,900		95
100	76.4	338.0	98,900	87,300	78,300	71,100		78.7	336.8	82,400	77,500	70,400	64,500		100
105	75.5	336.5	97,600	86,200	77,400	70,400		77.9	335.4	80,400	76,800	69,700	64,000		105
110	74.6	334.9	96,300	85,200	76,700	69,800		77.0	333.9	78,600	76,100	69,200	63,500		110
115	73.7	333.3	95,000	84,200	75,900	69,100		76.1	332.3	76,800	75,400	68,600	63,000		115
120	72.9	331.5	93,800	83,300	75,100	68,500		75.2	330.6	75,100	74,200	68,100	62,500		120
125	72.0	329.7	92,600	82,400	74,400	67,800		74.3	328.9	73,500	72,600	67,500	62,100		125
130	71.1	327.8	91,400	81,500	73,700	67,300		73.4	327.0	72,000	71,100	67,000	61,700		130
135	70.2	325.8	90,300	80,600	73,000	66,700		72.5	325.1	70,500	69,700	66,500	61,300		135
140	69.2	323.6	88,500	79,700	72,300	66,100		71.6	323.0	69,100	68,300	66,000	60,900		140
145	68.3	321.4	86,400	79,000	71,600	65,600		70.7	320.9	67,800	67,000	65,500	60,400		145
150	67.4	319.1	84,300	78,100	71,000	65,000		69.7	318.7	66,500	65,700	64,400	60,000		150
155	66.5	316.7	82,400	77,400	70,300	64,500		68.8	316.4	65,300	64,500	63,200	59,600		155
160	65.5	314.3	80,500	76,600	69,700	64,000		67.9	314.0	64,000	63,300	62,100	59,300		160
165	64.6	311.7	78,700	75,800	69,100	63,500		66.9	311.4	62,900	62,200	61,100	58,900		165
170	63.6	308.9	77,100	75,100	68,400	62,900		66.0	308.8	61,800	61,100	60,000	58,600		170
175	62.7	306.1	75,500	74,400	67,900	62,500		65.0	306.1	60,800	60,100	59,100	58,100		175
180	61.7	303.2	73,900	73,300	67,400	62,000		64.0	303.2	59,700	59,100	58,100	57,200		180
190	59.7	297.0	71,000	71,000	66,600	61,600		63.0	300.3	58,800	58,100	57,200	56,300		190
200	57.7	290.3	68,400	69,400	65,900	61,000		61.0	294.0	57,000	56,300	55,500	54,700		200
210	55.6	283.0	65,900	67,900	65,000	60,600		59.0	287.2	55,200	54,700	53,900	52,800		210
220	53.5	275.2	60,200	65,900	64,000	60,200		56.9	279.9	53,600	53,100	50,800	46,900		220
230	51.3	266.8	53,700	64,000	62,500	59,600		54.7	272.0	52,200	48,800	45,000	41,400		230
240	49.0	257.7	47,700	62,000	61,000	58,900		52.5	263.5	50,800	43,100	39,700	36,400		240
250	46.7	247.8	42,300	60,000	59,400	58,000		50.2	254.2	49,500	37,900	34,800	31,800		250
260	44.2	237.0	37,200	58,000	57,900	57,000		47.8	244.2	43,800	33,100	30,200	27,500		260
270	41.6	225.2	32,500	56,000	56,800	56,000		45.3	233.2	38,600	28,600	26,000	23,500		270
280	38.9	212.3	28,200	54,000	55,800	55,000		42.7	221.2	33,800	24,400	22,100	19,800		280
290	35.9	197.9	23,900	52,000	54,900	54,000		39.9	208.0	29,200	20,500	18,400	16,300		290
300	32.7	181.8	19,300	50,000	54,000	53,000		36.9	193.3	25,000	16,900	14,900	13,000		300
310	29.2	163.3	14,900	48,000	53,000	52,000		33.6	176.7	20,200	13,400	11,600	9,900		310
320	25.2	141.5	10,700	46,000	52,000	51,000		29.9	157.6	15,600	10,100	8,500	7,000		320

# MLC650 S-2



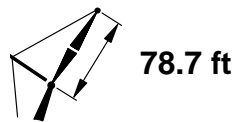
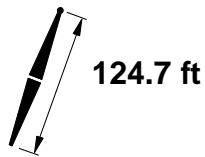
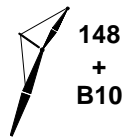
	10°				20°						
	ft	°	ft	0°		ft	°	0°		ft	
				lb	lb			lb			lb
55	84.4	367.7	112,800							55	
60	83.6	366.9	111,400	96,400						60	
65	82.8	366.1	109,800	95,200	84.3	363.6	92,900			65	
70	82.0	365.2	108,200	94,000	83.5	362.7	91,800	81,400		70	
75	81.2	364.3	106,700	92,800	82.7	361.7	90,800	80,600		75	
80	80.4	363.3	105,200	91,800	81.8	360.7	89,700	79,900		80	
85	79.6	362.2	103,800	90,700	81.0	359.6	88,100	79,100		85	
90	78.8	361.0	102,400	89,700	80.2	358.4	86,000	78,400		90	
95	78.0	359.7	101,000	88,600	79.4	357.1	83,900	77,700		95	
100	77.2	358.4	99,700	87,600	78.5	355.8	82,000	77,000		100	
105	76.3	357.0	98,400	86,700	77.7	354.4	80,200	76,300		105	
110	75.5	355.5	97,100	85,700	76.9	352.9	78,500	75,600		110	
115	74.7	354.0	95,900	84,700	76.0	351.3	76,800	75,000		115	
120	73.8	352.3	94,800	83,900	75.2	349.7	75,200	74,300		120	
125	73.0	350.6	93,600	83,000	74.4	347.9	73,700	72,700		125	
130	72.1	348.8	92,600	82,200	73.5	346.1	72,300	71,300		130	
135	71.3	346.9	91,500	81,300	72.6	344.2	70,800	69,900		135	
140	70.4	345.0	90,400	80,500	71.8	342.2	69,500	68,600		140	
145	69.6	342.9	89,400	79,700	70.9	340.1	68,200	67,300		145	
150	68.7	340.7	87,400	79,000	70.1	338.0	67,000	66,100		150	
155	67.9	338.5	85,500	78,100	69.2	335.7	65,800	64,900		155	
160	67.0	336.2	83,600	77,400	68.3	333.4	64,700	63,800		160	
165	66.1	333.7	81,800	76,700	67.4	330.9	63,500	62,700		165	
170	65.2	331.2	80,000	76,100	66.5	328.4	62,500	61,700		170	
175	64.3	328.6	78,400	75,400	65.6	325.7	61,500	60,700		175	
180	63.4	325.9	76,900	71,800	64.7	323.0	60,500	59,800		180	
190	61.6	320.1	73,900	63,700	62.8	317.2	58,700	57,900		190	
200	59.7	313.9	71,200	56,500	61.0	310.9	56,900	56,300		200	
210	57.8	307.3	65,000	49,900	59.0	304.2	55,300	52,300		210	
220	55.8	300.1	57,900	44,000	57.1	297.0	53,900	46,100		220	
230	53.8	292.4	51,400	38,500	55.0	289.2	52,500	40,500		230	
240	51.8	284.2	45,400	33,500	52.9	280.8	47,300	35,300		240	
250	49.7	275.3	40,000	28,900	50.8	271.8	41,700	30,500		250	
260	47.5	265.7	34,900	24,600	48.6	262.1	36,500	26,100		260	
270	45.2	255.3	30,300	20,600	46.2	251.5	31,700	21,900		270	
280	42.8	244.0	25,600	16,900	43.8	240.0	27,200	18,100		280	
290	40.3	231.7	20,700	13,400	41.2	227.5	22,200	14,500		290	
300	37.6	218.2	16,100	10,200	38.5	213.7	17,400	11,100		300	
310	34.7	203.2	11,800	7,100	35.6	198.4	12,900	7,800		310	
320	31.6	186.4	7,700		32.4	181.2	8,600			320	

# MLC650 S-2



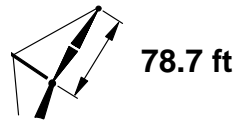
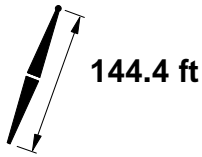
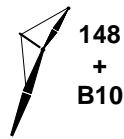
	10°							20°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	lb	lb	lb	lb	ft
40	84.8	191.0	87,900c											40
45	83.3	189.9	85,100c	72,700c										45
50	81.7	188.7	82,400	70,600c	62,100c	55,400d								50
55	80.0	187.4	79,800	68,700b	60,600c	54,200c	83.9	185.2	71,800b	62,600c				55
60	78.4	185.9	77,300	67,000	59,200b	53,100c	82.2	183.6	67,800	61,200c	54,600c			60
65	76.8	184.3	75,100	65,300	57,800	51,900b	80.6	182.0	64,200	59,900b	53,500c	48,400c		65
70	75.1	182.5	72,900	63,700	56,500	50,900	78.9	180.2	60,900	58,600	52,500b	47,500c		70
75	73.5	180.5	70,900	62,100	55,300	49,900	77.2	178.2	58,000	57,300	51,400	46,600		75
80	71.8	178.4	69,000	60,600	54,100	48,900	75.5	176.0	55,300	55,000	50,500	45,900		80
85	70.0	176.0	67,200	59,200	53,000	48,000	73.7	173.6	52,900	52,600	49,600	45,100		85
90	68.3	173.5	64,800	57,900	51,900	47,100	72.0	171.1	50,700	50,400	48,700	44,400		90
95	66.5	170.8	61,700	56,600	50,900	46,200	70.2	168.3	48,700	48,400	47,800	43,700		95
100	64.7	167.9	58,900	55,400	49,900	45,400	68.4	165.4	46,800	46,500	46,000	43,000		100
105	62.9	164.8	56,300	54,300	48,900	44,600	66.5	162.2	45,100	44,800	44,300	42,400		105
110	61.0	161.4	54,000	53,200	48,000	43,900	64.6	158.8	43,400	43,200	42,800	41,800		110
115	59.1	157.9	51,800	51,400	47,200	43,100	62.6	155.1	42,000	41,700	41,400	40,700		115
120	57.1	154.0	49,800	49,400	46,400	42,500	60.6	151.2	40,500	40,300	40,100	39,500		120
125	55.1	149.8	47,900	47,500	45,600	41,800	58.6	147.0	39,200	39,100	38,900	38,300		125
130	53.0	145.4	46,200	45,900	44,800	41,200	56.4	142.4	38,000	37,900	37,700	37,200		130
135	50.9	140.6	44,600	44,200	44,000	40,500	54.2	137.5	36,900	36,800	36,600	36,200		135
140	48.6	135.4	43,100	42,800	42,500	40,000	51.9	132.2	35,900	35,700	35,600	35,300		140
145	46.3	129.8	41,700	41,400	41,200	39,500	49.5	126.4	34,900	34,700	34,600	34,400		145
150	43.8	123.7	40,400	40,100	39,800	39,000	47.0	120.1	34,000	33,900	33,700	33,600		150
155	41.2	117.0	39,200	38,900	38,700	38,500	44.3	113.2	33,200	33,000	32,900	32,800		155
160	38.5	109.6	38,000	37,700	37,600	37,400	41.4	105.5	32,400	32,200	32,200	32,000		160
165	35.5	101.3	36,900	36,800	36,500	36,400	38.3	96.8	31,600	31,600	31,400	31,300		165
170	32.1	91.9	36,000	35,800	35,600	35,400	34.8	86.9	31,000	31,000	30,800	30,800		170
175	28.4	80.9	35,000	34,900	34,700	34,600	30.7	75.1	30,500	30,400	30,300	30,200		175
180	23.9	67.4	34,200	34,100	33,900	33,700								180

# MLC650 S-2



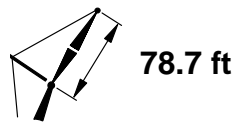
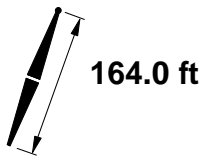
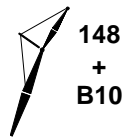
	10°							20°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
45	83.9	210.0	86,100b	73,400c	62,700c	54,800c	84.5	205.3	72,400b	61,800b	55,000c	48,700c	45	
50	82.5	208.9	83,500	71,500c	61,400c	53,700c	83.0	203.9	69,600	60,500	54,000b	48,000b	50	
55	81.0	207.7	81,200	69,800	61,400c	54,800c	81.5	202.4	66,200	60,500	54,000b	48,000b	55	
60	79.6	206.4	78,900	68,100	60,000	53,700c	83.0	203.9	69,600	61,800b	55,000c	48,700c	60	
65	78.1	204.9	76,800	66,500	58,800	52,700	81.5	202.4	66,200	60,500	54,000b	48,000b	65	
70	76.6	203.3	74,800	65,000	57,600	51,700	80.0	200.8	63,100	59,400	53,000	48,000b	70	
75	75.1	201.5	72,900	63,500	56,400	50,800	78.5	199.0	60,300	58,200	52,100	47,200	75	
80	73.6	199.6	71,000	62,200	55,300	49,900	77.0	197.1	57,700	57,100	51,200	46,500	80	
85	72.1	197.6	69,300	60,800	54,300	49,000	75.5	195.0	55,300	54,900	50,400	45,800	85	
90	70.6	195.3	67,600	59,600	53,200	48,200	73.9	192.8	53,100	52,800	49,600	45,100	90	
95	69.0	193.0	66,000	58,400	52,300	47,400	72.3	190.4	51,100	50,800	48,800	44,500	95	
100	67.4	190.4	63,200	57,200	51,300	46,600	70.7	187.8	49,300	49,000	48,000	43,800	100	
105	65.8	187.7	60,500	56,100	50,400	45,800	69.1	185.0	47,500	47,300	46,700	43,200	105	
110	64.2	184.8	58,100	55,000	49,500	45,100	67.4	182.0	45,900	45,600	45,200	42,700	110	
115	62.6	181.7	55,900	53,900	48,700	44,400	65.8	178.9	44,400	44,200	43,700	42,100	115	
120	60.9	178.4	53,800	53,000	47,900	43,700	64.0	175.5	43,000	42,800	42,400	41,600	120	
125	59.2	174.8	51,800	51,400	47,100	43,100	62.3	171.9	41,700	41,500	41,200	40,500	125	
130	57.4	171.1	50,000	49,600	46,400	42,500	60.5	168.1	40,400	40,200	40,000	39,400	130	
135	55.6	167.0	48,300	47,900	45,700	41,900	58.7	164.0	39,300	39,100	38,900	38,400	135	
140	53.7	162.8	46,700	46,400	45,100	41,300	56.8	159.6	38,200	38,100	37,900	37,400	140	
145	51.8	158.2	45,200	44,900	44,400	40,800	54.8	155.0	37,200	37,000	36,900	36,500	145	
150	49.9	153.3	43,900	43,600	43,300	40,300	52.8	149.9	36,300	36,100	36,000	35,600	150	
155	47.8	148.0	42,500	42,300	42,000	39,800	50.7	144.6	35,300	35,200	35,100	34,800	155	
160	45.7	142.4	41,300	41,100	40,800	39,300	48.5	138.8	34,500	34,400	34,200	34,100	160	
165	43.5	136.3	40,100	40,000	39,700	38,900	46.3	132.5	33,800	33,600	33,500	33,300	165	
170	41.1	129.7	39,100	38,800	38,700	38,400	43.8	125.6	33,100	32,900	32,800	32,600	170	
175	38.7	122.4	38,000	37,900	37,700	37,400	41.3	118.1	32,300	32,300	32,100	32,000	175	
180	36.0	114.5	37,100	36,900	36,700	36,500	38.5	109.8	31,700	31,600	31,500	31,400	180	
190	30.0	95.5	35,400	35,200	35,000	34,900	32.1	89.7	30,700	30,600	30,500	30,400	190	
200	22.1	69.1	34,000	33,800	33,600	33,500							200	

# MLC650 S-2



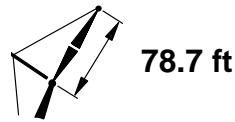
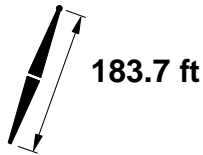
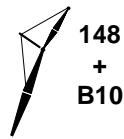
	10°							20°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	lb	lb	lb	lb	ft
45	84.5	229.9	86,800											45
50	83.2	228.9	84,500											50
55	81.8	227.9	82,200											55
60	80.5	226.7	80,200											60
65	79.2	225.3	78,200											65
70	77.9	223.9	76,300											70
75	76.5	222.3	74,500											75
80	75.2	220.6	72,700											80
85	73.8	218.7	71,100											85
90	72.4	216.7	69,500											90
95	71.0	214.6	68,000											95
100	69.6	212.3	66,600											100
105	68.2	209.9	64,400											105
110	66.7	207.3	61,900											110
115	65.3	204.6	59,700											115
120	63.8	201.6	57,500											120
125	62.3	198.5	55,500											125
130	60.7	195.3	53,600											130
135	59.2	191.8	51,800											135
140	57.6	188.1	50,200											140
145	56.0	184.2	48,600											145
150	54.3	180.1	47,200											150
155	52.6	175.7	45,800											155
160	50.8	171.0	44,500											160
165	49.0	166.0	43,300											165
170	47.1	160.7	42,100											170
175	45.2	155.0	41,000											175
180	43.2	148.9	40,000											180
190	38.8	135.3	38,100											190
200	33.9	119.0	36,500											200
210	28.1	98.8	35,100											210
220	20.5	70.6	33,800											220

# MLC650 S-2



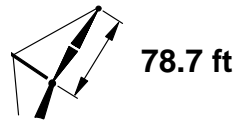
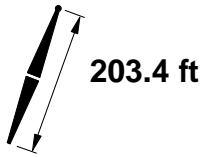
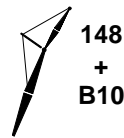
	10°								20°							
			0°								0°					
	ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft		
45	84.9	249.8	87,400											45		
50	83.7	248.9	85,200	72,600c										50		
55	82.5	248.0	83,200	71,100	62,300c									55		
60	81.3	246.8	81,200	69,600	61,200	54,600c	84.2	244.2	71,800					60		
65	80.1	245.6	79,300	68,300	60,100	53,700	83.0	243.0	69,300	61,400	54,700b			65		
70	78.9	244.3	77,600	67,000	59,100	52,900	81.7	241.6	66,500	60,400	53,900	48,600c		70		
75	77.6	242.8	75,800	65,700	58,000	52,100	80.5	240.1	63,900	59,500	53,100	48,000		75		
80	76.4	241.3	74,200	64,500	57,100	51,300	79.2	238.6	61,500	58,500	52,300	47,300		80		
85	75.2	239.6	72,600	63,300	56,100	50,500	78.0	236.9	59,200	57,600	51,600	46,700		85		
90	73.9	237.8	71,100	62,100	55,200	49,800	76.7	235.0	57,200	56,700	50,900	46,200		90		
95	72.7	235.9	69,700	61,000	54,400	49,000	75.4	233.1	55,200	54,800	50,200	45,600		95		
100	71.4	233.8	68,300	60,000	53,500	48,300	74.1	231.0	53,400	53,100	49,500	45,000		100		
105	70.1	231.6	66,900	58,900	52,700	47,700	72.8	228.8	51,700	51,400	48,900	44,500		105		
110	68.8	229.3	65,500	58,000	51,900	47,000	71.5	226.4	50,100	49,800	48,300	44,000		110		
115	67.5	226.8	63,200	57,000	51,200	46,300	70.2	223.9	48,600	48,400	47,700	43,500		115		
120	66.1	224.2	60,900	56,100	50,400	45,800	68.8	221.3	47,200	47,000	46,500	43,000		120		
125	64.8	221.4	58,900	55,200	49,700	45,200	67.5	218.5	45,900	45,600	45,200	42,600		125		
130	63.4	218.5	56,900	54,300	49,000	44,600	66.1	215.5	44,700	44,400	44,000	42,100		130		
135	62.0	215.4	55,100	53,500	48,300	44,000	64.7	212.4	43,500	43,200	42,900	41,700		135		
140	60.6	212.2	53,400	52,700	47,700	43,500	63.3	209.1	42,300	42,200	41,900	41,200		140		
145	59.2	208.8	51,800	51,400	47,100	43,000	61.8	205.6	41,300	41,100	40,900	40,200		145		
150	57.8	205.1	50,300	49,900	46,400	42,500	60.3	201.9	40,300	40,200	39,900	39,300		150		
155	56.3	201.3	48,900	48,600	45,900	42,000	58.8	198.0	39,400	39,200	39,000	38,500		155		
160	54.8	197.3	47,600	47,200	45,300	41,500	57.3	193.9	38,500	38,400	38,100	37,700		160		
165	53.2	193.0	46,300	45,900	44,800	41,100	55.7	189.6	37,700	37,500	37,300	36,900		165		
170	51.6	188.5	45,100	44,800	44,300	40,600	54.1	185.0	36,900	36,700	36,600	36,200		170		
175	50.0	183.8	43,900	43,600	43,300	40,200	52.4	180.1	36,100	35,900	35,800	35,500		175		
180	48.3	178.7	42,900	42,600	42,300	39,800	50.7	175.0	35,300	35,200	35,000	34,800		180		
190	44.8	167.7	40,900	40,600	40,400	39,000	47.1	163.6	34,000	33,900	33,800	33,600		190		
200	41.0	155.1	39,000	38,800	38,600	38,400	43.2	150.7	32,800	32,700	32,600	32,500		200		
210	36.8	140.6	37,400	37,200	37,000	36,800	38.9	135.7	31,800	31,700	31,600	31,500		210		
220	32.1	123.3	36,000	35,700	35,600	35,400	34.0	117.6	30,900	30,900	30,700	30,600		220		
230	26.6	101.8	34,700	34,500	34,400	34,200	28.0	94.7	30,300	30,100	30,100	30,000		230		
240	19.1	71.8	33,700	33,500	33,400	33,200								240		

# MLC650 S-2



	10°						20°								
	ft	°	ft	661,300 lb				ft	°	ft	661,300 lb				
				0°	1°	2°	3°				0°	1°		2°	3°
ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
50	84.2	268.9	85,800												50
55	83.1	268.0	83,900	71,600											55
60	82.0	267.0	82,100	70,200	61,600										60
65	80.9	265.8	80,400	69,000	60,600	54,900 <sup>c</sup>	84.6	264.2	72,200						65
70	79.7	264.6	78,600	67,700	59,600	53,300	83.5	263.1	70,700	61,800					70
75	78.6	263.3	77,000	66,500	58,600	52,600	81.2	260.5	65,400	60,000	53,400				75
80	77.5	261.8	75,500	65,300	57,700	51,800	80.1	259.0	63,100	59,000	52,700	48,200			80
85	76.3	260.3	74,000	64,200	56,900	51,000	78.9	257.5	60,900	58,200	52,000	47,000			85
90	75.2	258.6	72,500	63,200	56,000	50,400	77.8	255.8	58,900	57,300	51,400	46,500			90
95	74.0	256.9	71,100	62,100	55,200	49,700	76.6	254.0	57,000	56,600	50,700	46,000			95
100	72.9	255.0	69,800	61,100	54,300	49,000	75.4	252.1	55,200	54,800	50,100	45,500			100
105	71.7	253.0	68,500	60,100	53,600	48,400	74.2	250.1	53,500	53,200	49,500	45,000			105
110	70.5	250.9	67,300	59,100	52,800	47,800	73.0	247.9	52,000	51,600	48,900	44,500			110
115	69.3	248.6	66,100	58,200	52,100	47,200	71.8	245.7	50,500	50,200	48,300	44,000			115
120	68.1	246.3	64,300	57,400	51,400	46,600	70.6	243.3	49,100	48,800	47,800	43,500			120
125	66.9	243.8	62,200	56,500	50,700	46,000	69.4	240.7	47,800	47,500	47,000	43,100			125
130	65.6	241.1	60,200	55,700	50,000	45,400	68.1	238.1	46,500	46,300	45,800	42,700			130
135	64.4	238.3	58,300	54,900	49,400	44,900	66.8	235.2	45,400	45,100	44,700	42,300			135
140	63.1	235.4	56,600	54,100	48,800	44,400	65.6	232.3	44,200	44,000	43,600	41,900			140
145	61.8	232.3	54,900	53,400	48,200	43,900	64.3	229.2	43,100	43,000	42,600	41,500			145
150	60.5	229.1	53,300	52,700	47,600	43,400	63.0	225.9	42,100	42,000	41,600	41,000			150
155	59.2	225.7	51,900	51,400	47,000	42,900	61.6	222.4	41,200	41,000	40,700	40,100			155
160	57.9	222.2	50,500	50,100	46,500	42,500	60.2	218.8	40,300	40,100	39,900	39,300			160
165	56.5	218.4	49,100	48,800	45,900	42,000	58.9	215.0	39,400	39,200	39,000	38,500			165
170	55.1	214.5	47,900	47,500	45,400	41,600	57.5	211.0	38,600	38,400	38,200	37,700			170
175	53.7	210.3	46,700	46,400	44,900	41,100	56.0	206.8	37,900	37,700	37,500	37,000			175
180	52.3	206.0	45,600	45,300	44,400	40,700	54.5	202.3	37,100	36,900	36,800	36,400			180
190	49.3	196.5	43,500	43,200	42,900	40,000	51.5	192.7	35,700	35,500	35,400	35,100			190
200	46.1	186.0	41,500	41,300	41,000	39,300	48.2	182.0	34,400	34,300	34,200	34,000			200
210	42.7	174.3	39,800	39,500	39,400	38,700	44.8	169.9	33,300	33,200	33,000	33,000			210
220	39.1	160.9	38,200	38,100	37,800	37,600	41.0	156.2	32,300	32,200	32,100	32,000			220
230	35.1	145.6	36,800	36,700	36,400	36,200	36.9	140.3	31,400	31,300	31,200	31,100			230
240	30.6	127.3	35,600	35,400	35,200	35,100	32.1	121.2	30,700	30,600	30,500	30,400			240
250	25.1	104.6	34,500	34,300	34,100	33,900									250

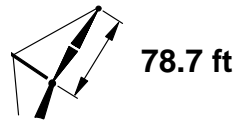
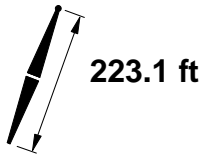
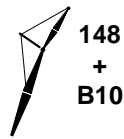
# MLC650 S-2



	10°							20°							
	ft	°	ft	0°				ft	°	ft	0°				ft
				lb	lb	lb	lb				lb	lb	lb	lb	
50	84.6	288.8	86,200											50	
55	83.6	288.0	84,400	71,800										55	
60	82.5	287.0	82,700	70,600	61,800									60	
65	81.5	286.0	81,100	69,400	60,900	54,200		85.0	284.2	72,400				65	
70	80.5	284.8	79,500	68,300	59,900	53,500		84.0	283.1	71,200	62,000			70	
75	79.4	283.6	78,000	67,100	59,000	52,900		82.9	282.0	69,200	61,100	54,300		75	
80	78.4	282.3	76,500	66,000	58,300	52,100		81.9	280.7	66,800	60,200	53,600	48,300	80	
85	77.3	280.8	75,100	65,000	57,400	51,500		80.8	279.4	64,500	59,400	53,000	47,800	85	
90	76.3	279.3	73,700	63,900	56,600	50,800		79.7	278.0	62,400	58,600	52,400	47,300	90	
95	75.2	277.7	72,400	62,900	55,800	50,100		78.7	276.4	60,400	57,900	51,700	46,800	95	
100	74.1	276.0	71,100	62,000	55,000	49,600		77.6	274.8	58,500	57,100	51,100	46,300	100	
105	73.0	274.1	69,900	61,100	54,300	49,000		76.5	273.0	56,800	56,400	50,500	45,800	105	
110	71.9	272.2	68,700	60,100	53,600	48,300		75.4	271.1	55,200	54,800	49,900	45,300	110	
115	70.8	270.1	67,500	59,300	52,900	47,800		74.3	269.2	53,600	53,300	49,400	44,900	115	
120	69.7	267.9	66,400	58,400	52,200	47,200		73.2	267.1	52,200	51,800	48,800	44,400	120	
125	68.6	265.6	65,200	57,600	51,500	46,600		72.1	264.9	50,800	50,500	48,400	44,000	125	
130	67.5	263.2	63,200	56,800	50,900	45,600		71.0	262.6	49,500	49,200	47,800	43,600	130	
135	66.4	260.7	61,300	56,100	50,300	45,600		69.8	260.1	48,300	48,000	47,300	43,200	135	
140	65.2	258.0	59,500	55,300	49,700	45,100		68.7	257.6	47,100	46,800	46,300	42,800	140	
145	64.0	255.2	57,800	54,600	49,100	44,600		67.5	254.9	45,900	45,700	45,200	42,400	145	
150	62.9	252.3	56,200	53,800	48,500	44,100		66.3	252.0	44,900	44,600	44,200	42,000	150	
155	61.7	249.3	54,700	53,100	47,900	43,700		65.1	249.1	43,900	43,700	43,300	41,600	155	
160	60.5	246.0	53,300	52,500	47,400	43,200		63.9	246.0	42,900	42,700	42,300	41,400	160	
165	59.2	242.7	51,900	51,500	46,900	42,800		62.7	242.7	42,000	41,800	41,500	40,800	165	
170	58.0	239.2	50,600	50,200	46,400	42,400		61.5	239.3	41,100	40,900	40,600	40,000	170	
175	56.7	235.5	49,400	49,000	45,900	42,000		60.2	235.7	40,300	40,100	39,800	39,200	175	
180	55.5	231.6	48,200	47,800	45,400	41,600		58.9	232.0	39,500	39,300	39,100	38,500	180	
190	52.8	223.3	46,000	45,700	44,600	40,800		57.6	228.1	38,700	38,500	38,400	37,800	190	
200	50.1	214.2	44,000	43,700	43,400	40,100		54.9	219.6	37,300	37,100	37,000	36,500	200	
210	47.2	204.2	42,200	41,900	41,700	39,500		52.1	210.4	36,000	35,900	35,700	35,400	210	
220	44.2	193.0	40,600	40,300	40,000	38,900		49.2	200.1	34,800	34,700	34,500	34,300	220	
230	40.9	180.6	39,000	38,800	38,600	38,300		46.1	188.7	33,700	33,600	33,500	33,400	230	
240	37.4	166.5	37,600	37,500	37,200	37,000		42.8	175.9	32,800	32,600	32,500	32,400	240	
250	33.5	150.3	36,400	36,100	36,000	35,800		39.1	161.4	31,900	31,700	31,700	31,600	250	
260	29.1	131.1	35,300	35,100	34,900	34,700		35.1	144.6	31,100	31,100	30,900	30,800	260	
270	23.9	107.3	34,300	34,100	33,900	33,800		30.5	124.5	30,500	30,400	30,300	30,200	270	

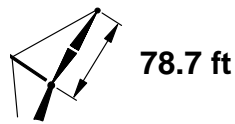
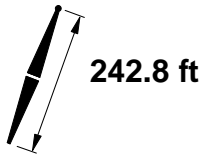
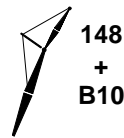


# MLC650 S-2



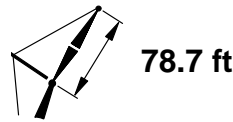
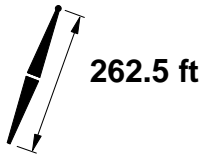
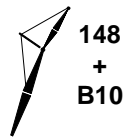
	10°						20°								
	ft	°	ft	661,300 lb				ft	°	ft	661,300 lb				
				0°	1°	2°	3°				0°	1°		2°	3°
ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
50	85.0	308.7	86,400											50	
55	84.0	307.9	84,700	71,900										55	
60	83.0	307.0	83,100	70,700										60	
65	82.1	306.0	81,600	69,700	61,000		84.4	303.1	71,500					65	
70	81.1	305.0	80,100	68,600	60,100	53,600	83.4	302.1	70,300	61,200				70	
75	80.1	303.8	78,700	67,500	59,300	53,000	82.4	300.9	67,900	60,400	53,700			75	
80	79.2	302.6	77,300	66,500	58,500	52,300	81.4	299.7	65,800	59,700	53,100	47,900		80	
85	78.2	301.3	75,900	65,500	57,800	51,700	80.4	298.3	63,700	58,900	52,500	47,400		85	
90	77.2	299.9	74,600	64,600	57,000	51,100	79.4	296.9	61,800	58,200	51,900	46,900		90	
95	76.2	298.3	73,400	63,600	56,300	50,500	78.4	295.4	60,000	57,500	51,400	46,400		95	
100	75.2	296.7	72,100	62,700	55,500	49,900	77.4	293.7	58,300	56,800	50,800	46,000		100	
105	74.2	295.0	71,000	61,800	54,800	49,300	76.4	292.0	56,600	56,100	50,300	45,600		105	
110	73.2	293.2	69,800	61,000	54,200	48,800	75.4	290.2	55,200	54,800	49,800	45,100		110	
115	72.2	291.3	68,700	60,100	53,500	48,200	74.4	288.3	53,700	53,300	49,300	44,800		115	
120	71.1	289.3	67,700	59,300	52,800	47,700	73.3	286.2	52,400	52,000	48,800	44,300		120	
125	70.1	287.2	66,700	58,500	52,200	47,200	72.3	284.1	51,000	50,700	48,300	43,900		125	
130	69.1	285.0	65,700	57,700	51,600	46,700	71.3	281.8	49,800	49,500	47,800	43,600		130	
135	68.0	282.6	64,100	57,000	51,000	46,200	70.2	279.5	48,600	48,300	47,400	43,200		135	
140	67.0	280.2	62,300	56,300	50,400	45,700	69.1	277.0	47,500	47,300	46,700	42,800		140	
145	65.9	277.6	60,600	55,600	49,900	45,200	68.0	274.4	46,500	46,200	45,700	42,500		145	
150	64.8	275.0	59,000	54,900	49,300	44,800	67.0	271.7	45,400	45,200	44,800	42,100		150	
155	63.7	272.2	57,400	54,300	48,800	44,400	65.9	268.9	44,500	44,300	43,800	41,800		155	
160	62.6	269.2	56,000	53,600	48,300	43,900	64.7	265.9	43,600	43,300	43,000	41,500		160	
165	61.5	266.2	54,500	53,000	47,700	43,500	63.6	262.8	42,700	42,400	42,100	41,200		165	
170	60.4	263.0	53,200	52,400	47,300	43,100	62.5	259.6	41,800	41,700	41,300	40,600		170	
175	59.3	259.6	51,900	51,500	46,800	42,700	61.3	256.2	41,100	40,800	40,500	39,900		175	
180	58.1	256.2	50,800	50,300	46,300	42,300	60.1	252.7	40,300	40,100	39,800	39,200		180	
190	55.7	248.7	48,500	48,100	45,500	41,600	57.7	245.1	38,800	38,600	38,400	37,900		190	
200	53.3	240.6	46,400	46,100	44,600	40,900	55.3	236.9	37,500	37,300	37,200	36,700		200	
210	50.8	231.8	44,500	44,200	43,800	40,200	52.7	227.9	36,300	36,100	36,000	35,600		210	
220	48.1	222.1	42,800	42,500	42,200	39,600	50.0	218.0	35,100	35,000	34,800	34,600		220	
230	45.3	211.4	41,200	41,000	40,700	39,100	47.2	207.1	34,100	34,000	33,800	33,700		230	
240	42.4	199.7	39,700	39,500	39,300	38,500	44.2	195.1	33,200	33,100	32,900	32,800		240	
250	39.3	186.5	38,400	38,100	37,900	37,700	40.9	181.6	32,300	32,200	32,100	32,000		250	
260	35.9	171.7	37,200	36,900	36,700	36,600	37.4	166.4	31,500	31,500	31,300	31,300		260	
270	32.1	154.7	36,000	35,800	35,400	33,600	33.6	148.7	30,900	30,800	30,700	30,600		270	
280	27.9	134.7	35,000	33,400	31,700	30,100	29.1	127.6	30,400	30,300	30,100	30,100		280	
290	22.8	109.7	34,200	29,700	28,300	26,900								290	

# MLC650 S-2



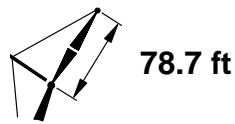
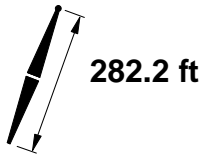
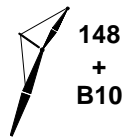
	10°								20°							
			0°								0°					
	ft	°	lb	lb	lb	lb	ft	°	lb	lb	lb	lb	ft	°		
55	84.4	327.8	85,000												55	
60	83.5	327.0	83,500	70,900											60	
65	82.6	326.1	82,000	69,800	61,000										65	
70	81.7	325.1	80,600	68,800	60,200	53,600	84.7	323.1	71,600	61,300					70	
75	80.7	324.0	79,300	67,900	59,500	53,000	83.8	322.1	70,600	60,600	53,800				75	
80	79.8	322.8	78,000	66,900	58,700	52,400	82.0	319.9	66,900	59,800	53,200	47,900			80	
85	78.9	321.6	76,700	66,000	58,000	51,800	81.1	318.6	64,900	59,200	52,600	47,400			85	
90	78.0	320.3	75,400	65,000	57,300	51,300	80.1	317.3	63,000	58,500	52,100	47,000			90	
95	77.1	318.9	74,300	64,100	56,600	50,700	79.2	315.8	61,300	57,800	51,600	46,500			95	
100	76.1	317.4	73,100	63,300	55,900	50,100	78.2	314.3	59,600	57,200	51,000	46,200			100	
105	75.2	315.8	72,000	62,400	55,200	49,600	77.3	312.7	58,100	56,600	50,500	45,700			105	
110	74.3	314.1	70,900	61,600	54,700	49,100	76.4	311.0	56,500	55,900	50,100	45,300			110	
115	73.3	312.3	69,800	60,800	54,000	48,600	75.4	309.2	55,100	54,800	49,600	45,000			115	
120	72.4	310.4	68,800	60,100	53,400	48,100	74.4	307.3	53,800	53,400	49,100	44,600			120	
125	71.4	308.5	67,800	59,300	52,800	47,600	73.5	305.3	52,500	52,200	48,700	44,200			125	
130	70.4	306.4	66,900	58,600	52,200	47,100	72.5	303.3	51,300	51,000	48,200	43,800			130	
135	69.5	304.3	65,900	57,900	51,600	46,600	71.5	301.1	50,100	49,900	47,800	43,500			135	
140	68.5	302.0	64,900	57,100	51,100	46,200	70.5	298.8	49,100	48,800	47,400	43,100			140	
145	67.5	299.6	63,300	56,500	50,500	45,700	69.5	296.4	48,000	47,700	47,000	42,800			145	
150	66.5	297.2	61,600	55,800	50,000	45,300	68.5	293.9	47,000	46,700	46,200	42,500			150	
155	65.5	294.6	60,100	55,200	49,500	44,900	67.5	291.3	46,000	45,700	45,300	42,100			155	
160	64.5	291.9	58,600	54,600	49,000	44,500	66.5	288.6	45,100	44,800	44,400	41,800			160	
165	63.5	289.1	57,100	53,900	48,500	44,100	65.4	285.7	44,100	44,000	43,500	41,500			165	
170	62.4	286.1	55,700	53,400	48,000	43,600	64.4	282.7	43,300	43,100	42,700	41,200			170	
175	61.4	283.1	54,400	52,800	47,600	43,300	63.3	279.7	42,500	42,300	41,900	41,000			175	
180	60.3	279.9	53,200	52,200	47,100	42,900	62.3	276.4	41,800	41,500	41,200	40,500			180	
190	58.2	273.2	50,900	50,500	46,300	42,200	60.1	269.6	40,300	40,000	39,800	39,200			190	
200	56.0	265.8	48,700	48,400	45,400	41,500	57.9	262.2	38,900	38,800	38,500	38,000			200	
210	53.7	257.9	46,800	46,400	44,700	40,900	55.5	254.1	37,700	37,400	37,300	36,800			210	
220	51.4	249.3	45,000	44,700	43,900	40,300	53.2	245.3	36,500	36,300	36,200	35,800			220	
230	48.9	239.9	43,300	43,100	42,800	39,700	50.7	235.8	35,400	35,300	35,100	34,800			230	
240	46.4	229.6	41,800	41,500	41,300	39,200	48.1	225.3	34,400	34,300	34,100	34,000			240	
250	43.7	218.4	40,400	40,100	39,300	36,800	45.3	213.9	33,500	33,400	33,300	33,200			250	
260	40.8	206.0	39,100	37,500	35,200	32,900	42.4	201.2	32,700	32,600	32,400	32,400			260	
270	37.8	192.3	37,900	33,500	31,400	29,300	39.3	187.1	32,000	31,900	31,700	30,500			270	
280	34.5	176.8	36,800	29,700	27,800	25,900	35.9	171.1	31,300	30,700	28,800	26,900			280	
290	30.9	159.0	33,800	26,100	24,400	22,700	32.1	152.6	30,700	26,900	25,200	23,500			290	
300	26.7	138.0	29,900	22,700	21,200	19,700	27.8	130.5	30,300	23,300	21,800	20,300			300	
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# MLC650 S-2



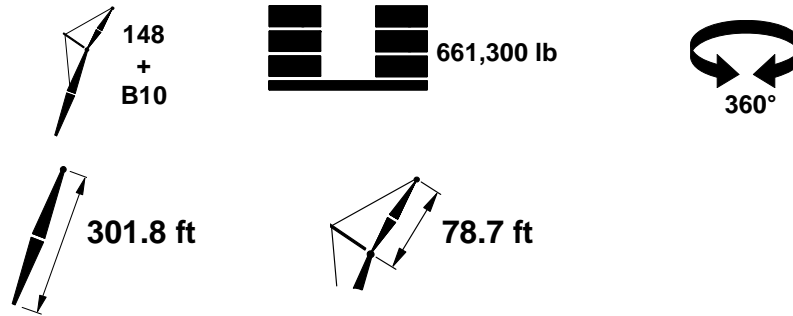
ft	10°						20°						ft
	°	ft	661,300 lb				°	ft	661,300 lb				
			0°	1°	2°	3°			0°	1°	2°	3°	
lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb		
55	84.7	347.7	85,100										55
60	83.9	346.9	83,700	70,900									60
65	83.0	346.1	82,300	69,900	61,000								65
70	82.1	345.1	81,000	68,900	60,200	53,000	85.1	343.0	71,700				70
75	81.3	344.1	79,700	68,000	59,600		84.2	342.1	70,700				75
80	80.4	343.0	78,500	67,100	58,800	52,400	82.5	340.0	67,900	59,900	53,200		80
85	79.6	341.9	77,300	66,300	58,200	51,900	81.6	338.8	66,000	59,300	52,700	47,400	85
90	78.7	340.6	76,100	65,400	57,500	51,300	80.7	337.5	64,200	58,600	52,200	47,000	90
95	77.8	339.3	74,900	64,500	56,800	50,800	79.8	336.2	62,500	58,000	51,700	46,600	95
100	77.0	337.9	73,800	63,700	56,200	50,300	79.0	334.8	60,900	57,400	51,200	46,200	100
105	76.1	336.4	72,800	62,900	55,600	49,800	78.1	333.3	59,300	56,900	50,700	45,800	105
110	75.2	334.8	71,700	62,100	55,000	49,300	77.2	331.7	57,900	56,200	50,300	45,400	110
115	74.3	333.2	70,800	61,400	54,400	48,900	76.3	330.0	56,500	55,700	49,800	45,100	115
120	73.4	331.4	69,800	60,700	53,800	48,400	75.4	328.2	55,100	54,800	49,300	44,700	120
125	72.5	329.6	68,800	59,900	53,200	47,900	74.5	326.4	53,900	53,500	49,000	44,300	125
130	71.6	327.6	67,900	59,200	52,700	47,500	73.6	324.5	52,700	52,300	48,500	44,000	130
135	70.7	325.6	66,900	58,600	52,200	47,000	72.7	322.4	51,500	51,200	48,100	43,700	135
140	69.8	323.5	66,100	57,900	51,600	46,500	71.7	320.3	50,400	50,100	47,700	43,300	140
145	68.9	321.3	65,200	57,300	51,100	46,200	70.8	318.1	49,400	49,100	47,300	43,000	145
150	68.0	319.0	64,200	56,600	50,500	45,700	69.9	315.7	48,400	48,100	47,000	42,700	150
155	67.0	316.6	62,500	56,000	50,100	45,300	68.9	313.3	47,400	47,100	46,600	42,400	155
160	66.1	314.1	61,000	55,400	49,600	44,900	68.0	310.8	46,400	46,300	45,700	42,100	160
165	65.2	311.5	59,600	54,800	49,100	44,500	67.0	308.2	45,600	45,300	44,800	41,900	165
170	64.2	308.8	58,200	54,200	48,700	44,100	66.1	305.4	44,700	44,500	44,000	41,600	170
175	63.2	306.0	56,900	53,600	48,200	43,800	65.1	302.6	43,900	43,700	43,200	41,300	175
180	62.3	303.1	55,600	53,100	47,800	43,400	64.1	299.6	43,100	42,900	42,500	41,000	180
190	60.3	296.9	53,200	52,000	46,900	42,700	62.1	293.3	41,600	41,400	41,100	40,400	190
200	58.3	290.1	51,000	50,600	46,100	42,100	60.1	286.5	40,300	40,000	39,800	39,200	200
210	56.2	282.9	49,000	48,600	45,400	41,400	58.0	279.2	39,000	38,800	38,500	38,000	210
220	54.1	275.1	47,200	46,800	44,700	40,800	55.8	271.3	37,800	37,600	37,400	36,900	220
230	51.9	266.7	45,500	45,100	43,900	40,300	53.6	262.7	36,700	36,600	36,400	36,000	230
240	49.6	257.5	43,800	43,500	40,900	37,900	51.3	253.4	35,700	35,500	35,400	35,000	240
250	47.2	247.6	42,400	39,200	36,500	33,800	48.8	243.3	34,700	34,600	34,500	34,200	250
260	44.8	236.8	41,000	34,900	32,400	29,900	46.3	232.4	33,900	33,700	33,700	31,500	260
270	42.2	225.1	39,700	30,900	28,600	26,300	43.7	220.3	33,100	32,400	30,000	27,700	270
280	39.4	212.1	35,800	27,100	25,000	23,000	40.9	207.1	32,300	28,400	26,300	24,200	280
290	36.5	197.7	31,700	23,600	21,700	19,800	37.8	192.3	31,700	24,700	22,800	20,900	290
300	33.3	181.6	27,900	20,300	18,500	16,800	34.5	175.6	28,900	21,200	19,400	17,700	300
310	29.7	163.1	24,300	17,100	15,600	14,000	30.9	156.3	25,000	17,900	16,300	14,700	310
320	25.7	141.2	20,700	14,200	12,800	11,400							320
330	20.8	114.0	16,200	11,300	10,100	8,900							330

# MLC650 S-2



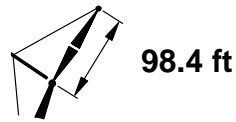
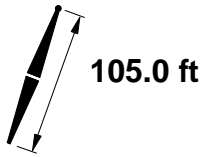
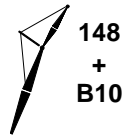
	10°							20°								
	ft	°	ft	0°				ft	°	ft	0°					ft
				lb	lb	lb	lb				lb	lb	lb	lb		
55	85.0	367.5	85,000												55	
60	84.2	366.8	83,700												60	
65	83.4	366.0	82,500	69,800											65	
70	82.6	365.1	81,300	69,000	60,100			84.5	362.1	70,800					70	
75	81.8	364.2	80,100	68,100	59,400	52,800		83.7	361.1	69,900	60,600				75	
80	81.0	363.1	78,900	67,200	58,800	52,300		82.9	360.1	68,900	60,000	53,100			80	
85	80.1	362.0	77,700	66,400	58,100	51,800		82.1	358.9	67,000	59,300	52,600			85	
90	79.3	360.9	76,600	65,600	57,500	51,300		81.2	357.8	65,300	58,800	52,100	46,900		90	
95	78.5	359.6	75,500	64,800	56,900	50,900		80.4	356.5	63,600	58,200	51,700	46,500		95	
100	77.7	358.3	74,500	64,000	56,300	50,300		79.6	355.2	62,000	57,600	51,200	46,100		100	
105	76.9	356.9	73,400	63,300	55,800	49,900		78.8	353.7	60,500	57,000	50,800	45,800		105	
110	76.0	355.4	72,500	62,500	55,200	49,400		77.9	352.3	59,100	56,500	50,300	45,500		110	
115	75.2	353.9	71,500	61,800	54,600	49,000		77.1	350.7	57,700	56,000	49,900	45,100		115	
120	74.4	352.2	70,500	61,100	54,100	48,500		76.2	349.0	56,400	55,400	49,500	44,800		120	
125	73.5	350.5	69,700	60,400	53,500	48,100		75.4	347.3	55,200	54,800	49,100	44,400		125	
130	72.7	348.7	68,800	59,800	53,000	47,700		74.5	345.5	54,000	53,600	48,700	44,100		130	
135	71.8	346.8	67,900	59,100	52,500	47,200		73.7	343.6	52,900	52,500	48,300	43,800		135	
140	71.0	344.8	67,100	58,500	52,000	46,800		72.8	341.6	51,700	51,400	47,900	43,500		140	
145	70.1	342.8	66,200	57,800	51,500	46,400		71.9	339.5	50,700	50,400	47,600	43,200		145	
150	69.3	340.6	65,400	57,300	51,000	46,000		71.1	337.3	49,700	49,400	47,200	42,900		150	
155	68.4	338.4	64,600	56,700	50,500	45,600		70.2	335.0	48,700	48,500	46,900	42,600		155	
160	67.5	336.0	63,500	56,100	50,100	45,300		69.3	332.7	47,800	47,500	46,500	42,300		160	
165	66.6	333.6	62,000	55,500	49,600	44,900		68.4	330.2	47,000	46,700	46,100	42,000		165	
170	65.7	331.1	60,600	54,900	49,200	44,500		67.5	327.7	46,100	45,900	45,300	41,800		170	
175	64.9	328.5	59,200	54,400	48,700	44,200		66.6	325.0	45,300	45,000	44,500	41,500		175	
180	63.9	325.7	57,900	53,900	48,300	43,800		65.7	322.3	44,500	44,200	43,700	41,300		180	
190	62.1	320.0	55,500	52,900	47,500	43,100		63.8	316.5	43,000	42,700	42,300	40,700		190	
200	60.2	313.8	53,200	51,900	46,700	42,500		62.0	310.2	41,600	41,400	41,000	40,300		200	
210	58.3	307.1	51,200	50,800	46,000	41,900		60.0	303.5	40,300	40,100	39,700	39,200		210	
220	56.4	300.0	49,300	48,900	45,300	41,300		58.0	296.2	39,100	38,900	38,600	38,100		220	
230	54.4	292.3	47,500	44,900	41,300	37,900		56.0	288.4	38,000	37,900	37,500	37,100		230	
240	52.3	284.0	45,900	39,800	36,600	33,500		53.9	280.0	37,000	36,800	36,500	35,700		240	
250	50.2	275.1	44,300	35,200	32,200	29,300		51.8	271.0	36,000	35,800	34,300	31,400		250	
260	48.0	265.5	41,300	30,900	28,100	25,500		49.5	261.2	35,000	32,800	30,000	27,300		260	
270	45.7	255.1	36,600	26,900	24,400	21,900		47.2	250.6	34,300	28,600	26,100	23,600		270	
280	43.3	243.8	32,200	23,100	20,800	18,600		44.8	239.1	33,500	24,700	22,400	20,100		280	
290	40.8	231.5	28,200	19,600	17,500	15,500		42.2	226.5	29,600	21,000	18,900	16,800		290	
300	38.1	218.0	24,300	16,400	14,400	12,600		39.4	212.7	25,600	17,600	15,600	13,700		300	
310	35.3	203.0	20,100	13,300	11,500	9,800		36.5	197.3	21,500	14,300	12,500	10,800		310	
320	32.1	186.2	15,900	10,300	8,700	7,200		33.3	179.9	17,100	11,200	9,600	8,000		320	
330	28.7	166.9	12,000	7,500				29.7	159.8	12,900	8,200	6,700			330	
340	24.8	144.2	8,200												340	

# MLC650 S-2



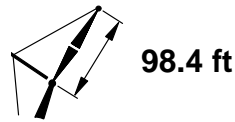
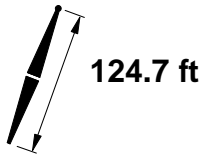
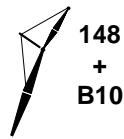
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	ft	°	ft	lb	ft	lb	
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65	83.7	385.9	82,500				65
70	83.0	385.1	81,400	84.8	382.0	70,800	70
75	82.2	384.2	80,200	84.0	381.1	70,000	75
80	81.4	383.2	79,100	83.3	380.1	69,200	80
85	80.7	382.2	78,000	82.5	379.0	68,000	85
90	79.9	381.1	77,000	81.7	377.9	66,300	90
95	79.1	379.9	75,900	80.9	376.7	64,600	95
100	78.3	378.6	75,000	80.1	375.5	63,100	100
105	77.6	377.3	74,000	79.4	374.1	61,600	105
110	76.8	375.9	73,100	78.6	372.7	60,200	110
115	76.0	374.4	72,100	77.8	371.2	58,900	115
120	75.2	372.9	71,200	77.0	369.7	57,600	120
125	74.4	371.3	70,300	76.2	368.0	56,400	125
130	73.6	369.6	69,500	75.4	366.3	55,200	130
135	72.8	367.8	68,700	74.6	364.5	54,100	135
140	72.0	365.9	67,800	73.8	362.7	53,000	140
145	71.2	364.0	67,000	72.9	360.7	52,000	145
150	70.4	362.0	66,300	72.1	358.7	51,000	150
155	69.6	359.9	65,500	71.3	356.5	50,000	155
160	68.8	357.7	64,800	70.5	354.3	49,100	160
165	67.9	355.4	64,000	69.6	352.0	48,200	165
170	67.1	353.0	62,800	68.8	349.6	47,400	170
175	66.3	350.6	61,500	68.0	347.2	46,500	175
180	65.4	348.1	60,200	67.1	344.6	45,800	180
190	63.7	342.7	57,700	65.4	339.2	44,200	190
200	62.0	336.9	55,400	63.6	333.3	42,900	200
210	60.2	330.7	53,300	61.8	327.1	41,500	210
220	58.4	324.1	51,400	60.0	320.4	40,400	220
230	56.6	317.0	49,600	58.1	313.2	39,200	230
240	54.7	309.4	47,900	56.2	305.5	38,100	240
250	52.7	301.3	44,000	54.2	297.3	37,200	250
260	50.7	292.6	38,900	52.2	288.4	36,200	260
270	48.7	283.2	34,200	50.1	278.9	35,300	270
280	46.5	273.2	29,900	47.9	268.7	31,800	280
290	44.3	262.3	25,700	45.7	257.6	27,500	290
300	42.0	250.5	21,100	43.3	245.6	23,100	300
310	39.5	237.7	16,800	40.8	232.5	18,600	310
320	36.9	223.6	12,700	38.1	218.1	14,300	320
330	34.1	208.0	8,900	35.3	202.1	10,200	330

# MLC650 S-2



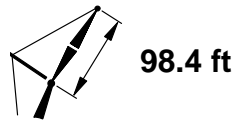
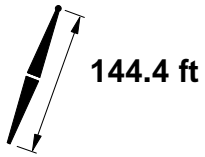
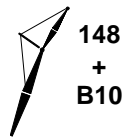
	10°							20°						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft
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50	82.9	209.1	66,600b	56,100c	48,500d									50
55	81.5	207.9	64,700	54,600c	47,400c	41,900d								55
60	80.0	206.6	62,800	53,200b	46,300c	41,000c	84.4	204.3	56,100b					60
65	78.5	205.1	60,900	51,900	45,300b	40,200c	82.9	202.8	54,200	47,700c	42,000c			65
70	77.1	203.5	59,000	50,700	44,300	39,400b	81.4	201.2	52,600	46,600b	41,100c	36,800c		70
75	75.6	201.8	57,100	49,500	43,400	38,700	79.9	199.4	51,000	45,500	40,300b	36,200c		75
80	74.1	199.9	55,200	48,300	42,500	38,000	78.4	197.5	49,200	44,500	39,600	35,600b		80
85	72.6	197.8	53,400	47,200	41,600	37,200	76.8	195.4	46,800	43,300	38,900	34,900		85
90	71.0	195.6	51,800	46,000	40,700	36,500	75.3	193.2	44,700	42,200	38,100	34,400		90
95	69.5	193.2	50,100	44,900	39,900	35,800	73.7	190.8	42,700	41,100	37,400	33,800		95
100	67.9	190.7	48,600	43,700	39,200	35,200	72.1	188.2	40,900	40,200	36,700	33,200		100
105	66.3	188.0	47,200	42,600	38,300	34,500	70.5	185.5	39,300	39,000	35,900	32,700		105
110	64.7	185.1	45,800	41,400	37,600	33,900	68.8	182.5	37,800	37,400	35,200	32,200		110
115	63.0	182.0	44,500	40,400	36,800	33,400	67.2	179.4	36,300	36,000	34,400	31,600		115
120	61.3	178.7	43,200	39,400	36,100	32,800	65.5	176.0	34,900	34,700	33,700	31,100		120
125	59.6	175.1	42,000	38,400	35,300	32,200	63.7	172.4	33,700	33,500	33,000	30,600		125
130	57.8	171.4	40,300	37,500	34,500	31,700	61.9	168.6	32,600	32,400	32,100	30,100		130
135	56.0	167.4	38,800	36,500	33,700	31,100	60.1	164.5	31,500	31,300	31,100	29,600		135
140	54.2	163.1	37,300	35,700	33,000	30,600	58.2	160.2	30,500	30,300	30,100	29,000		140
145	52.3	158.5	36,000	34,900	32,300	30,000	56.3	155.5	29,500	29,400	29,100	28,500		145
150	50.3	153.7	34,800	34,100	31,600	29,500	54.3	150.5	28,700	28,400	28,300	28,100		150
155	48.3	148.4	33,600	33,300	31,000	28,900	52.2	145.1	27,800	27,600	27,500	27,300		155
160	46.2	142.8	32,500	32,200	30,400	28,300	50.0	139.4	27,000	26,800	26,700	26,500		160
165	44.0	136.7	31,500	31,200	29,800	27,800	47.7	133.1	26,300	26,100	26,000	25,900		165
170	41.6	130.1	30,500	30,300	29,200	27,400	45.3	126.3	25,600	25,400	25,300	25,200		170
175	39.2	122.9	29,600	29,300	28,700	26,900	42.8	118.9	25,000	24,800	24,600	24,600		175
180	36.5	115.0	28,700	28,500	28,200	26,500	40.1	110.6	24,300	24,200	24,100	24,000		180
190	30.5	96.1	27,200	27,000	26,800	25,700	33.7	90.7	23,300	23,200	23,100	23,000		190
200	22.7	70.0	25,800	25,700	25,500	25,200								200

# MLC650 S-2



	10°							20°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
45	84.8	230.2	69,300c												45
50	83.5	229.2	67,300	56,500c											50
55	82.2	228.1	65,500	55,300b	47,900c										55
60	80.9	226.9	63,800	54,000	46,900b	41,500c		84.9	224.4		56,600b				60
65	79.6	225.6	62,100	52,800	45,900	40,700c	83.6	223.1		55,000	48,100c				65
70	78.2	224.1	60,400	51,500	45,000	40,000	82.2	221.6		53,400	47,100	41,500c			70
75	76.9	222.5	58,700	50,400	44,200	39,300	80.9	220.0		52,000	46,100	40,700	36,500c		75
80	75.5	220.8	57,000	49,400	43,300	38,500	79.5	218.3		50,500	45,100	40,100	35,900		80
85	74.2	219.0	55,300	48,300	42,500	37,900	78.1	216.4		48,700	44,200	39,400	35,400		85
90	72.8	217.0	53,700	47,300	41,700	37,200	76.7	214.4		46,600	43,200	38,700	34,800		90
95	71.4	214.9	52,100	46,200	40,900	36,600	75.3	212.2		44,700	42,100	38,000	34,300		95
100	70.0	212.6	50,600	45,200	40,100	36,000	73.9	209.9		42,900	41,200	37,400	33,800		100
105	68.6	210.2	49,200	44,200	39,400	35,400	72.4	207.5		41,300	40,300	36,700	33,300		105
110	67.1	207.6	47,900	43,100	38,700	34,800	71.0	204.9		39,700	39,400	36,100	32,800		110
115	65.7	204.8	46,600	42,100	38,000	34,200	69.5	202.1		38,300	38,000	35,400	32,300		115
120	64.2	201.9	45,400	41,100	37,300	33,700	68.0	199.1		37,000	36,700	34,800	31,900		120
125	62.7	198.8	44,200	40,100	36,600	33,200	66.4	196.0		35,700	35,500	34,100	31,400		125
130	61.2	195.6	43,100	39,200	35,900	32,600	64.9	192.7		34,500	34,300	33,500	30,900		130
135	59.6	192.1	42,000	38,300	35,300	32,200	63.3	189.1		33,500	33,200	32,800	30,500		135
140	58.0	188.4	40,500	37,500	34,500	31,600	61.7	185.4		32,400	32,200	32,000	30,000		140
145	56.4	184.5	39,000	36,700	33,800	31,100	60.0	181.4		31,400	31,200	31,100	29,600		145
150	54.7	180.4	37,700	35,900	33,200	30,600	58.3	177.2		30,500	30,400	30,100	29,100		150
155	53.0	176.0	36,500	35,200	32,500	30,200	56.6	172.7		29,700	29,500	29,300	28,600		155
160	51.3	171.3	35,400	34,400	31,900	29,700	54.8	168.0		28,800	28,700	28,500	28,200		160
165	49.4	166.3	34,200	33,800	31,300	29,200	53.0	162.9		28,100	27,900	27,800	27,600		165
170	47.6	161.1	33,200	32,900	30,700	28,700	51.1	157.5		27,400	27,200	27,100	26,900		170
175	45.6	155.4	32,200	31,900	30,200	28,200	49.1	151.7		26,700	26,500	26,400	26,300		175
180	43.6	149.3	31,300	31,100	29,700	27,800	47.0	145.4		26,100	25,900	25,800	25,600		180
190	39.3	135.7	29,600	29,400	28,700	26,900	42.5	131.4		24,800	24,700	24,600	24,500		190
200	34.4	119.5	28,100	27,900	27,700	26,200	37.5	114.6		23,900	23,700	23,600	23,500		200
210	28.7	99.4	26,800	26,600	26,400	25,500	31.3	93.2		23,000	22,900	22,800	22,700		210
220	21.1	71.5	25,600	25,500	25,300	25,200									220

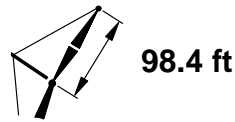
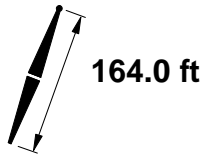
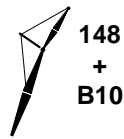
# MLC650 S-2



ft	10°							20°							ft
	°	ft	0°				°	ft	0°						
			lb	lb	lb	lb			lb	lb	lb	lb			
50	84.1	249.2	67,900											50	
55	82.9	248.2	66,200	55,700b	48,200c									55	
60	81.7	247.1	64,600	54,500	47,300b	41,800c								60	
65	80.4	245.9	63,000	53,400	46,400	41,000c	84.1	243.2	55,500					65	
70	79.2	244.5	61,500	52,300	45,500	40,400	82.9	241.9	54,100	47,500	41,800c			70	
75	78.0	243.1	59,900	51,200	44,700	39,700	81.6	240.4	52,700	46,600	41,100	36,800c		75	
80	76.8	241.5	58,400	50,200	43,900	39,000	80.4	238.8	51,400	45,700	40,400	36,200		80	
85	75.5	239.8	56,800	49,200	43,200	38,400	79.1	237.1	50,100	44,800	39,800	35,700		85	
90	74.3	238.0	55,200	48,200	42,400	37,800	77.9	235.3	48,300	44,000	39,200	35,200		90	
95	73.0	236.1	53,800	47,300	41,700	37,300	76.6	233.4	46,400	43,000	38,600	34,700		95	
100	71.7	234.1	52,300	46,400	41,000	36,700	75.3	231.3	44,600	42,100	38,000	34,200		100	
105	70.5	231.9	51,000	45,500	40,200	36,100	74.0	229.1	43,000	41,200	37,400	33,800		105	
110	69.2	229.5	49,700	44,600	39,600	35,600	72.7	226.7	41,500	40,400	36,800	33,300		110	
115	67.8	227.1	48,400	43,600	38,900	35,000	71.3	224.2	40,100	39,600	36,200	32,900		115	
120	66.5	224.5	47,200	42,600	38,400	34,500	70.0	221.6	38,800	38,400	35,700	32,500		120	
125	65.2	221.7	46,100	41,700	37,700	34,000	68.6	218.8	37,500	37,200	35,000	32,000		125	
130	63.8	218.8	45,000	40,800	37,100	33,500	67.2	215.8	36,300	36,000	34,400	31,600		130	
135	62.4	215.7	43,900	39,900	36,400	33,000	65.8	212.7	35,300	35,000	33,800	31,200		135	
140	61.0	212.5	42,900	39,100	35,800	32,600	64.4	209.4	34,200	34,000	33,300	30,800		140	
145	59.6	209.0	41,900	38,300	35,200	32,100	63.0	205.9	33,200	33,000	32,700	30,400		145	
150	58.1	205.4	40,500	37,500	34,500	31,600	61.5	202.2	32,300	32,100	31,900	30,000		150	
155	56.6	201.6	39,200	36,800	33,900	31,200	60.0	198.3	31,400	31,200	31,000	29,500		155	
160	55.1	197.6	38,000	36,100	33,300	30,700	58.4	194.2	30,600	30,400	30,200	29,100		160	
165	53.6	193.3	36,900	35,400	32,700	30,300	56.9	189.9	29,800	29,600	29,400	28,700		165	
170	52.0	188.8	35,800	34,700	32,100	29,900	55.2	185.3	29,100	28,900	28,700	28,300		170	
175	50.4	184.1	34,800	34,100	31,600	29,400	53.6	180.5	28,300	28,200	28,000	27,800		175	
180	48.7	179.1	33,800	33,500	31,000	29,000	51.9	175.3	27,700	27,500	27,300	27,200		180	
190	45.2	168.0	32,000	31,800	30,100	28,100	48.3	164.1	26,400	26,300	26,100	26,000		190	
200	41.4	155.5	30,400	30,200	29,100	27,300	44.4	151.2	25,300	25,200	25,000	24,900		200	
210	37.3	141.0	28,900	28,700	28,300	26,500	40.1	136.2	24,300	24,200	24,100	24,000		210	
220	32.6	123.8	27,600	27,400	27,200	25,900	35.2	118.2	23,500	23,400	23,200	23,200		220	
230	27.0	102.4	26,500	26,300	26,100	25,400	29.3	95.5	22,800	22,700	22,600	22,500		230	
240	19.6	72.7	25,500	25,300	25,200	25,000								240	

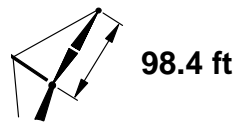
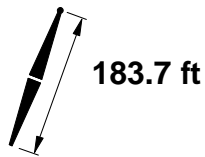


# MLC650 S-2



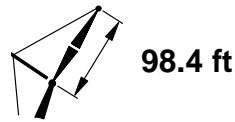
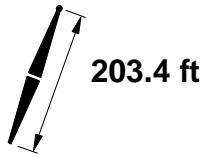
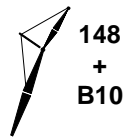
	10°							20°							
	ft	°	ft	661,300 lb				ft	°	ft	661,300 lb				ft
				0°	1°	2°	3°				0°	1°	2°	3°	
50	84.5	269.1	68,400											50	
55	83.4	268.2	66,700	56,000b										55	
60	82.3	267.2	65,300	55,000	47,600b									60	
65	81.2	266.1	63,800	53,900	46,700	41,400b	84.6	263.3	56,000					65	
70	80.1	264.8	62,400	52,900	46,000	40,700	83.4	262.1	54,600	47,800				70	
75	78.9	263.5	60,900	51,900	45,200	40,100	82.3	260.7	53,400	47,000	41,300			75	
80	77.8	262.1	59,600	50,900	44,400	39,500	81.1	259.3	52,100	46,100	40,800	36,400		80	
85	76.7	260.5	58,200	50,000	43,700	38,900	80.0	257.7	50,900	45,300	40,100	35,900		85	
90	75.5	258.9	56,700	49,100	43,000	38,300	78.8	256.0	49,800	44,600	39,600	35,500		90	
95	74.4	257.1	55,300	48,200	42,300	37,800	77.7	254.2	48,000	43,700	39,000	35,000		95	
100	73.2	255.2	53,900	47,300	41,700	37,200	76.5	252.3	46,300	42,900	38,500	34,600		100	
105	72.0	253.2	52,600	46,500	41,000	36,700	75.3	250.3	44,600	42,000	37,900	34,100		105	
110	70.8	251.1	51,400	45,600	40,400	36,200	74.1	248.2	43,100	41,200	37,400	33,700		110	
115	69.6	248.9	50,100	44,800	39,800	35,600	72.9	245.9	41,700	40,500	36,900	33,300		115	
120	68.4	246.5	49,000	44,000	39,100	35,100	71.7	243.5	40,400	39,700	36,300	32,900		120	
125	67.2	244.0	47,800	43,000	38,600	34,700	70.4	241.0	39,200	38,800	35,800	32,500		125	
130	66.0	241.4	46,700	42,200	38,000	34,200	69.2	238.3	38,000	37,700	35,200	32,100		130	
135	64.7	238.6	45,800	41,300	37,400	33,700	67.9	235.5	36,900	36,600	34,700	31,700		135	
140	63.5	235.7	44,700	40,600	36,800	33,300	66.6	232.5	35,900	35,600	34,100	31,300		140	
145	62.2	232.6	43,700	39,700	36,300	32,900	65.3	229.4	34,800	34,600	33,600	31,000		145	
150	60.9	229.4	42,800	39,000	35,700	32,500	64.0	226.1	33,900	33,700	33,100	30,600		150	
155	59.6	226.0	41,900	38,200	35,200	32,100	62.7	222.7	33,100	32,800	32,600	30,200		155	
160	58.2	222.4	40,600	37,500	34,600	31,600	61.3	219.1	32,200	32,000	31,800	29,900		160	
165	56.9	218.7	39,400	36,800	33,900	31,200	59.9	215.3	31,400	31,200	31,000	29,500		165	
170	55.5	214.8	38,300	36,200	33,400	30,800	58.5	211.3	30,600	30,400	30,200	29,100		170	
175	54.1	210.6	37,200	35,600	32,800	30,400	57.1	207.1	29,900	29,700	29,500	28,700		175	
180	52.6	206.3	36,200	34,900	32,300	30,000	55.6	202.6	29,300	29,000	28,900	28,300		180	
190	49.6	196.9	34,300	33,800	31,300	29,200	52.6	193.0	27,900	27,800	27,600	27,500		190	
200	46.5	186.4	32,600	32,400	30,400	28,400	49.3	182.3	26,800	26,600	26,500	26,300		200	
210	43.1	174.6	31,100	30,800	29,500	27,600	45.9	170.3	25,700	25,600	25,400	25,300		210	
220	39.5	161.3	29,700	29,400	28,700	26,900	42.1	156.6	24,800	24,600	24,500	24,400		220	
230	35.5	146.0	28,400	28,200	28,000	26,300	38.0	140.7	23,900	23,800	23,700	23,600		230	
240	31.0	127.8	27,300	27,000	26,900	25,700	33.3	121.7	23,200	23,100	23,000	22,900		240	
250	25.6	105.3	26,300	26,000	25,900	25,300	27.5	97.5	22,700	22,500	22,400	22,300		250	
260	18.4	73.7	25,400	25,200	25,000	24,900								260	

# MLC650 S-2



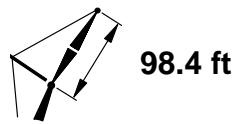
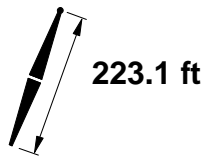
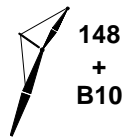
ft	10°							20°							ft
	°	ft	0°				°	ft	0°						
			lb	lb	lb	lb			lb	lb	lb	lb			
50	84.9	289.0	68,800	56,300										50	
55	83.9	288.2	67,300	55,300										55	
60	82.8	287.2	65,800	53,300	47,800b									60	
65	81.8	286.2	64,500	54,300	47,100	41,600b	85.0	283.3	56,400					65	
70	80.8	285.1	63,100	53,300	46,400	40,900	83.9	282.2	55,100	48,000				70	
75	79.7	283.8	61,800	52,400	45,600	40,400	82.8	280.9	53,900	47,300	41,500			75	
80	78.7	282.5	60,500	51,500	44,900	39,900	81.8	279.6	52,700	46,500	41,000	36,600		80	
85	77.6	281.1	59,300	50,600	44,200	39,200	80.7	278.1	51,600	45,700	40,400	36,100		85	
90	76.6	279.5	58,000	49,800	43,600	38,700	79.6	276.6	50,500	45,000	39,900	35,700		90	
95	75.5	277.9	56,600	49,000	42,900	38,200	78.6	274.9	49,300	44,300	39,300	35,300		95	
100	74.4	276.2	55,300	48,100	42,300	37,700	77.5	273.2	47,700	43,500	38,800	34,800		100	
105	73.3	274.3	54,000	47,300	41,600	37,200	76.4	271.3	46,100	42,700	38,400	34,400		105	
110	72.2	272.4	52,800	46,600	41,000	36,700	75.3	269.4	44,600	42,000	37,900	34,100		110	
115	71.2	270.3	51,600	45,800	40,400	36,200	74.2	267.3	43,200	41,300	37,300	33,700		115	
120	70.0	268.2	50,500	45,000	39,900	35,700	73.1	265.1	42,000	40,600	36,900	33,300		120	
125	68.9	265.9	49,400	44,200	39,300	35,200	71.9	262.8	40,700	39,900	36,400	32,900		125	
130	67.8	263.5	48,400	43,500	38,700	34,800	70.8	260.3	39,600	39,200	35,900	32,600		130	
135	66.7	260.9	47,300	42,600	38,300	34,400	69.6	257.8	38,400	38,100	35,400	32,200		135	
140	65.5	258.3	46,400	41,800	37,700	34,000	68.5	255.1	37,400	37,100	34,800	31,800		140	
145	64.4	255.5	45,400	41,100	37,200	33,500	67.3	252.2	36,400	36,100	34,400	31,500		145	
150	63.2	252.6	44,500	40,300	36,600	33,100	66.1	249.3	35,500	35,200	33,900	31,200		150	
155	62.0	249.5	43,600	39,600	36,100	32,700	64.9	246.2	34,600	34,300	33,400	30,800		155	
160	60.8	246.3	42,700	38,900	35,600	32,300	63.7	242.9	33,700	33,500	32,900	30,500		160	
165	59.6	242.9	41,800	38,200	35,100	32,000	62.4	239.5	32,900	32,700	32,400	30,100		165	
170	58.3	239.4	40,700	37,500	34,500	31,600	61.2	235.9	32,100	31,900	31,700	29,800		170	
175	57.1	235.7	39,600	36,900	34,000	31,200	59.9	232.2	31,400	31,200	31,000	29,400		175	
180	55.8	231.9	38,500	36,300	33,500	30,800	58.6	228.3	30,700	30,500	30,300	29,100		180	
190	53.2	223.6	36,600	35,100	32,500	30,100	55.9	219.9	29,400	29,200	29,000	28,400		190	
200	50.4	214.5	34,800	34,100	31,500	29,300	53.1	210.6	28,200	28,000	27,800	27,700		200	
210	47.5	204.5	33,200	32,900	30,700	28,600	50.2	200.4	27,100	26,900	26,800	26,600		210	
220	44.5	193.3	31,700	31,400	29,800	27,900	47.1	189.0	26,100	25,900	25,800	25,700		220	
230	41.3	180.9	30,300	30,100	29,100	27,200	43.8	176.2	25,200	25,100	24,900	24,800		230	
240	37.8	166.9	29,100	28,900	28,400	26,600	40.2	161.7	24,400	24,300	24,100	24,000		240	
250	33.9	150.7	28,000	27,800	27,600	26,100	36.2	144.9	23,600	23,500	23,400	23,300		250	
260	29.5	131.6	26,900	26,800	26,600	25,600	31.6	124.9	23,000	22,900	22,800	22,700		260	
270	24.3	107.9	26,100	25,800	25,700	25,300								270	
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# MLC650 S-2



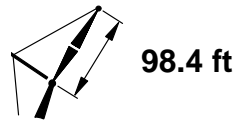
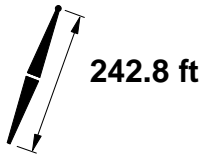
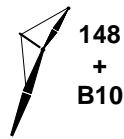
	10°						20°								
	ft	°	ft	661,300 lb				ft	°	ft	661,300 lb				
				0°	1°	2°	3°				0°	1°		2°	3°
55	84.3	308.1	67,600											55	
60	83.3	307.2	66,200	55,500										60	
65	82.4	306.3	65,000	54,600	47,200									65	
70	81.4	305.2	63,700	53,700	46,500	41,100	84.3	302.2	55,500					70	
75	80.4	304.1	62,500	52,800	45,900	40,600	83.3	301.0	54,300	47,400				75	
80	79.4	302.8	61,300	52,000	45,200	40,000	82.3	299.8	53,200	46,700	41,100			80	
85	78.5	301.5	60,100	51,100	44,600	39,500	81.4	298.5	52,200	46,000	40,600	36,200		85	
90	77.5	300.1	58,900	50,300	43,900	39,000	80.4	297.0	51,200	45,400	40,100	35,900		90	
95	76.5	298.6	57,800	49,600	43,300	38,500	79.4	295.5	50,200	44,700	39,600	35,400		95	
100	75.5	296.9	56,500	48,700	42,700	38,000	78.3	293.9	49,000	44,100	39,100	35,000		100	
105	74.5	295.2	55,200	48,000	42,100	37,500	77.3	292.1	47,400	43,400	38,700	34,700		105	
110	73.5	293.4	54,100	47,300	41,600	37,100	76.3	290.3	46,000	42,700	38,200	34,300		110	
115	72.5	291.5	53,000	46,600	41,000	36,600	75.3	288.4	44,700	41,900	37,800	34,000		115	
120	71.4	289.5	51,800	45,800	40,400	36,200	74.3	286.4	43,300	41,200	37,300	33,600		120	
125	70.4	287.4	50,800	45,100	39,900	35,700	73.2	284.2	42,100	40,600	36,900	33,300		125	
130	69.4	285.2	49,700	44,400	39,400	35,300	72.2	282.0	41,000	39,900	36,400	32,900		130	
135	68.3	282.9	48,800	43,700	38,900	34,900	71.1	279.6	39,900	39,300	36,000	32,600		135	
140	67.3	280.4	47,800	43,000	38,400	34,500	70.0	277.2	38,800	38,500	35,500	32,300		140	
145	66.2	277.9	46,900	42,300	37,900	34,100	69.0	274.6	37,800	37,500	35,000	31,900		145	
150	65.1	275.2	46,000	41,500	37,400	33,700	67.9	271.9	36,900	36,500	34,600	31,600		150	
155	64.0	272.4	45,100	40,800	36,900	33,300	66.8	269.0	36,000	35,700	34,100	31,300		155	
160	62.9	269.5	44,200	40,100	36,400	32,900	65.7	266.1	35,100	34,800	33,600	31,000		160	
165	61.8	266.4	43,400	39,400	36,000	32,600	64.5	263.0	34,300	34,100	33,200	30,600		165	
170	60.7	263.2	42,600	38,800	35,500	32,200	63.4	259.7	33,500	33,300	32,800	30,300		170	
175	59.6	259.9	41,800	38,200	35,000	31,900	62.2	256.4	32,800	32,500	32,300	30,000		175	
180	58.4	256.4	40,800	37,500	34,500	31,500	61.1	252.8	32,100	31,800	31,600	29,700		180	
190	56.0	249.0	38,700	36,400	33,500	30,800	58.7	245.3	30,800	30,500	30,300	29,100		190	
200	53.6	240.9	36,900	35,300	32,600	30,100	56.2	237.1	29,500	29,300	29,100	28,400		200	
210	51.1	232.1	35,200	34,300	31,700	29,500	53.6	228.1	28,400	28,200	28,000	27,800		210	
220	48.4	222.4	33,700	33,300	30,900	28,800	50.9	218.2	27,300	27,200	27,000	26,900		220	
230	45.7	211.8	32,300	32,000	30,100	28,100	48.1	207.3	26,400	26,200	26,100	26,000		230	
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260	36.2	172.1	28,700	28,500	28,100	26,300	38.4	166.6	24,000	23,900	23,800	23,700		260	
270	32.5	155.2	27,700	27,500	27,300	25,900	34.5	149.0	23,400	23,300	23,200	23,100		270	
280	28.2	135.2	26,800	26,500	26,300	25,500	30.0	127.9	22,900	22,800	22,700	22,600		280	
290	23.2	110.3	25,900	25,700	25,600	25,200								290	

# MLC650 S-2



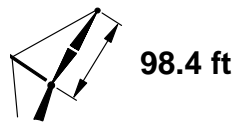
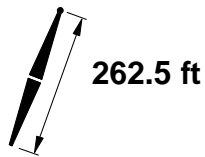
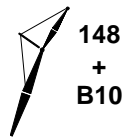
	10°								20°							
	ft	°	ft	0°				ft	°	ft	0°				ft	
				lb	lb	lb	lb				lb	lb	lb	lb		
55	84.6	328.0	67,800												55	
60	83.7	327.2	66,500	55,600											60	
65	82.8	326.3	65,200	54,800	47,300										65	
70	81.9	325.3	64,100	53,800	46,700	41,200	84.7	322.2	55,700						70	
75	81.0	324.2	63,000	53,100	46,000	40,600	83.8	321.1	54,700	47,500					75	
80	80.1	323.1	61,800	52,200	45,400	40,200	82.8	320.0	53,600	46,900	41,200				80	
85	79.2	321.8	60,800	51,400	44,800	39,600	81.9	318.7	52,600	46,300	40,600	36,300			85	
90	78.3	320.5	59,700	50,700	44,200	39,200	81.0	317.4	51,700	45,600	40,200	35,900			90	
95	77.3	319.1	58,600	50,000	43,600	38,700	80.0	315.9	50,700	45,000	39,800	35,600			95	
100	76.4	317.6	57,500	49,300	43,000	38,300	79.1	314.4	49,800	44,400	39,300	35,200			100	
105	75.5	316.0	56,300	48,500	42,500	37,800	78.2	312.8	48,600	43,800	38,900	34,800			105	
110	74.5	314.3	55,200	47,800	42,000	37,300	77.2	311.1	47,300	43,100	38,500	34,500			110	
115	73.6	312.5	54,100	47,200	41,400	36,900	76.3	309.3	45,900	42,500	38,000	34,200			115	
120	72.6	310.7	53,000	46,500	40,900	36,500	75.3	307.4	44,600	41,800	37,700	33,800			120	
125	71.7	308.7	52,000	45,800	40,400	36,100	74.3	305.5	43,400	41,200	37,200	33,500			125	
130	70.7	306.6	51,000	45,200	39,900	35,700	73.3	303.4	42,200	40,600	36,800	33,200			130	
135	69.7	304.5	50,000	44,500	39,400	35,300	72.4	301.2	41,200	40,000	36,400	32,800			135	
140	68.8	302.2	49,100	43,900	39,000	34,900	71.4	298.9	40,200	39,400	36,000	32,500			140	
145	67.8	299.9	48,200	43,200	38,500	34,600	70.4	296.5	39,100	38,800	35,600	32,200			145	
150	66.8	297.4	47,300	42,500	38,000	34,100	69.4	294.0	38,200	37,800	35,100	32,000			150	
155	65.8	294.8	46,500	41,800	37,600	33,800	68.4	291.4	37,300	37,000	34,700	31,600			155	
160	64.8	292.1	45,700	41,200	37,200	33,400	67.3	288.7	36,400	36,100	34,300	31,400			160	
165	63.8	289.3	44,800	40,500	36,700	33,100	66.3	285.8	35,600	35,400	33,800	31,100			165	
170	62.7	286.4	44,100	39,900	36,200	32,700	65.3	282.9	34,800	34,600	33,400	30,800			170	
175	61.7	283.3	43,300	39,300	35,800	32,400	64.2	279.8	34,100	33,800	33,100	30,500			175	
180	60.6	280.2	42,500	38,700	35,400	32,100	63.1	276.6	33,300	33,100	32,600	30,200			180	
190	58.5	273.4	40,900	37,500	34,500	31,500	61.0	269.7	32,000	31,800	31,600	29,700			190	
200	56.3	266.1	39,000	36,500	33,600	30,800	58.7	262.3	30,800	30,500	30,400	29,100			200	
210	54.0	258.1	37,200	35,500	32,700	30,200	56.4	254.2	29,600	29,400	29,200	28,400			210	
220	51.6	249.5	35,600	34,500	31,900	29,600	54.0	245.5	28,600	28,400	28,200	27,900			220	
230	49.2	240.2	34,100	33,600	31,100	28,900	51.5	235.9	27,600	27,400	27,200	27,100			230	
240	46.7	229.9	32,800	32,500	30,300	28,300	48.9	225.5	26,700	26,500	26,400	26,300			240	
250	44.0	218.7	31,500	31,200	29,700	27,700	46.2	214.0	25,800	25,700	25,600	25,400			250	
260	41.1	206.4	30,300	30,100	29,000	27,200	43.3	201.4	25,100	25,000	24,800	24,700			260	
270	38.1	192.6	29,300	29,000	28,400	26,600	40.2	187.2	24,400	24,300	24,100	24,000			270	
280	34.8	177.2	28,300	28,100	27,900	26,200	36.8	171.3	23,800	23,700	23,500	23,400			280	
290	31.2	159.4	27,300	27,200	27,000	25,700	33.0	152.8	23,200	23,100	23,000	22,900			290	
300	27.1	138.6	26,500	26,400	26,200	25,400	28.7	130.8	22,700	22,600	22,500	22,400			300	
310	22.1	112.5	25,800	25,600	25,000	23,700									310	

# MLC650 S-2



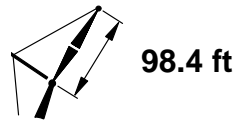
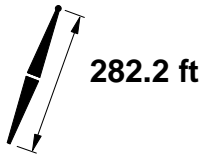
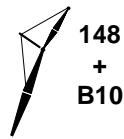
ft	10°							20°							ft
	°	ft	661,300 lb				ft	°	ft	661,300 lb					
			0°	1°	2°	3°				0°	1°	2°	3°		
lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb			
55	84.9	347.9	67,800											55	
60	84.1	347.1	66,700											60	
65	83.2	346.3	65,500	54,800										65	
70	82.4	345.3	64,400	54,000	46,700		85.0	342.2	56,000					70	
75	81.5	344.3	63,400	53,300	46,100	40,600	84.1	341.2	54,900					75	
80	80.7	343.2	62,300	52,500	45,500	40,200	83.3	340.1	54,000	47,000				80	
85	79.8	342.1	61,300	51,800	45,000	39,700	82.4	338.9	53,000	46,400	40,700			85	
90	79.0	340.8	60,300	51,000	44,300	39,300	81.5	337.6	52,200	45,800	40,300	35,900		90	
95	78.1	339.5	59,300	50,300	43,800	38,800	80.6	336.3	51,200	45,200	39,900	35,600		95	
100	77.2	338.1	58,300	49,700	43,300	38,400	79.8	334.9	50,400	44,600	39,400	35,300		100	
105	76.3	336.6	57,200	49,000	42,800	38,000	78.9	333.4	49,500	44,100	39,000	35,000		105	
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125	72.8	329.8	53,100	46,400	40,800	36,400	75.3	326.5	44,600	41,700	37,500	33,600		125	
130	71.9	327.9	52,100	45,800	40,300	36,000	74.4	324.5	43,500	41,200	37,100	33,400		130	
135	71.0	325.8	51,200	45,200	39,900	35,700	73.5	322.5	42,400	40,600	36,700	33,100		135	
140	70.1	323.7	50,300	44,600	39,400	35,300	72.5	320.4	41,300	40,000	36,300	32,800		140	
145	69.2	321.5	49,400	44,000	39,000	34,900	71.6	318.1	40,400	39,500	36,000	32,500		145	
150	68.2	319.2	48,600	43,400	38,600	34,500	70.7	315.8	39,400	38,900	35,600	32,200		150	
155	67.3	316.8	47,700	42,800	38,100	34,200	69.7	313.4	38,500	38,200	35,200	31,900		155	
160	66.4	314.4	46,900	42,200	37,700	33,800	68.8	310.9	37,700	37,300	34,800	31,700		160	
165	65.4	311.8	46,100	41,500	37,300	33,500	67.8	308.2	36,900	36,600	34,400	31,400		165	
170	64.5	309.0	45,400	40,900	36,900	33,200	66.9	305.5	36,100	35,800	34,000	31,100		170	
175	63.5	306.2	44,600	40,300	36,500	32,900	65.9	302.7	35,300	35,000	33,600	30,800		175	
180	62.5	303.3	43,900	39,700	36,100	32,600	64.9	299.7	34,600	34,300	33,200	30,600		180	
190	60.6	297.1	42,500	38,600	35,300	31,900	62.9	293.4	33,300	33,000	32,500	30,100		190	
200	58.5	290.4	40,900	37,500	34,500	31,400	60.9	286.6	32,000	31,800	31,600	29,600		200	
210	56.5	283.2	39,200	36,500	33,600	30,800	58.8	279.3	30,800	30,600	30,400	29,000		210	
220	54.3	275.4	37,500	35,500	32,800	30,200	56.6	271.4	29,700	29,500	29,400	28,500		220	
230	52.1	266.9	36,000	34,600	32,000	29,700	54.4	262.8	28,700	28,600	28,400	27,900		230	
240	49.9	257.8	34,600	33,800	31,300	29,100	52.1	253.5	27,800	27,600	27,500	27,300		240	
250	47.5	247.9	33,200	32,900	30,600	28,500	49.7	243.4	26,900	26,800	26,600	26,500		250	
260	45.0	237.1	32,000	31,700	29,900	27,900	47.1	232.5	26,200	26,000	25,800	25,700		260	
270	42.4	225.4	30,900	30,700	29,300	27,300	44.5	220.4	25,400	25,300	25,100	25,000		270	
280	39.7	212.4	29,900	29,600	28,700	26,900	41.7	207.2	24,700	24,600	24,500	24,400		280	
290	36.8	198.1	28,900	28,700	27,300	25,400	38.7	192.4	24,100	24,000	23,900	23,800		290	
300	33.6	182.0	28,000	25,900	24,100	22,400	35.4	175.7	23,500	23,400	23,300	23,200		300	
310	30.1	163.5	27,100	22,700	21,200	19,600	31.7	156.5	23,100	23,000	22,100	20,600		310	
320	26.0	141.7	26,400	19,800	18,400	17,000	27.4	133.5	22,700	20,500	19,100	17,700		320	
330	21.2	114.6	23,100	16,900	15,700	14,500								330	

# MLC650 S-2



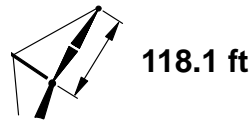
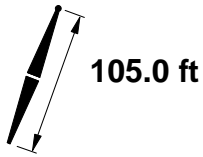
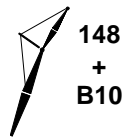
ft	10°							20°							ft
	°	ft	0°				°	ft	0°						
			lb	lb	lb	lb			lb	lb	lb	lb			
60	84.4	367.0	66,800											60	
65	83.6	366.2	65,700	54,800										65	
70	82.8	365.3	64,700	54,100	46,700									70	
75	82.0	364.4	63,700	53,400	46,100			84.5	361.1	55,200				75	
80	81.2	363.3	62,700	52,700	45,500	40,100		83.6	360.1	54,300	47,000			80	
85	80.4	362.2	61,700	52,000	45,000	39,700		82.8	359.0	53,400	46,500	40,700		85	
90	79.6	361.1	60,800	51,300	44,500	39,400		82.0	357.8	52,500	46,000	40,300	35,900	90	
95	78.8	359.8	59,900	50,600	44,000	38,900		81.2	356.6	51,700	45,400	39,900	35,600	95	
100	77.9	358.5	58,900	50,000	43,500	38,500		80.3	355.2	50,800	44,900	39,500	35,300	100	
105	77.1	357.1	58,000	49,300	43,000	38,100		79.5	353.8	50,000	44,400	39,200	35,000	105	
110	76.3	355.6	57,000	48,700	42,500	37,700		78.7	352.3	49,200	43,900	38,700	34,700	110	
115	75.4	354.1	56,100	48,100	42,000	37,400		77.8	350.7	48,200	43,300	38,400	34,400	115	
120	74.6	352.4	55,100	47,500	41,500	36,900		77.0	349.1	46,900	42,800	38,000	34,000	120	
125	73.8	350.7	54,100	46,900	41,100	36,600		76.1	347.3	45,700	42,200	37,700	33,800	125	
130	72.9	348.9	53,200	46,300	40,700	36,200		75.3	345.5	44,600	41,600	37,300	33,500	130	
135	72.1	347.0	52,200	45,800	40,300	35,900		74.4	343.6	43,600	41,100	37,000	33,200	135	
140	71.2	345.0	51,400	45,200	39,800	35,500		73.6	341.6	42,600	40,600	36,600	33,000	140	
145	70.4	343.0	50,500	44,600	39,400	35,200		72.7	339.5	41,500	40,000	36,300	32,700	145	
150	69.5	340.8	49,700	44,100	39,000	34,900		71.8	337.4	40,700	39,600	35,900	32,400	150	
155	68.6	338.6	48,800	43,500	38,500	34,500		71.0	335.1	39,700	39,000	35,600	32,200	155	
160	67.8	336.3	48,100	43,000	38,100	34,200		70.1	332.7	38,900	38,500	35,200	31,900	160	
165	66.9	333.8	47,300	42,400	37,800	33,800		69.2	330.3	38,000	37,700	34,900	31,700	165	
170	66.0	331.3	46,500	41,800	37,400	33,600		68.3	327.7	37,300	36,900	34,500	31,400	170	
175	65.1	328.7	45,800	41,200	37,000	33,300		67.4	325.1	36,500	36,200	34,200	31,100	175	
180	64.2	326.0	45,100	40,600	36,600	32,900		66.5	322.3	35,800	35,500	33,700	30,900	180	
190	62.4	320.2	43,800	39,600	35,800	32,400		64.6	316.5	34,400	34,200	33,100	30,400	190	
200	60.5	314.0	42,400	38,500	35,100	31,800		62.7	310.3	33,200	32,900	32,400	29,900	200	
210	58.6	307.4	41,100	37,500	34,400	31,300		60.8	303.5	32,000	31,800	31,500	29,400	210	
220	56.6	300.2	39,300	36,600	33,600	30,700		58.8	296.3	30,900	30,700	30,400	28,900	220	
230	54.6	292.5	37,800	35,600	32,800	30,200		56.8	288.5	29,800	29,700	29,500	28,400	230	
240	52.6	284.3	36,300	34,800	32,100	29,600		54.7	280.1	28,900	28,700	28,500	28,000	240	
250	50.4	275.4	34,900	33,900	31,400	29,100		52.5	271.0	28,000	27,800	27,700	27,500	250	
260	48.2	265.8	33,700	33,200	30,700	28,600		50.3	261.3	27,200	27,000	26,900	26,700	260	
270	46.0	255.4	32,500	32,200	30,100	28,100		48.0	250.7	26,400	26,300	26,100	26,000	270	
280	43.6	244.1	31,400	30,000	27,700	25,500		45.5	239.2	25,700	25,500	25,400	25,300	280	
290	41.1	231.8	30,400	26,500	24,400	22,400		42.9	226.6	25,100	24,900	24,800	24,000	290	
300	38.4	218.3	29,400	23,300	21,300	19,500		40.2	212.8	24,400	24,300	22,800	20,900	300	
310	35.5	203.4	27,700	20,200	18,400	16,700		37.3	197.4	23,900	21,500	19,700	17,900	310	
320	32.4	186.6	24,300	17,300	15,700	14,100		34.1	180.0	23,400	18,400	16,700	15,100	320	
330	29.0	167.4	21,100	14,500	13,100	11,600		30.5	160.0	22,000	15,400	13,900	12,500	330	
340	25.1	144.8	17,500	11,800	10,600	9,300		26.3	136.0	18,400	12,500	11,200	9,900	340	
350	20.3	116.5	13,300	9,300	8,200	7,000								350	

# MLC650 S-2



ft	10°						20°						ft
	°	ft	0°				°	ft	0°				
			lb	lb	lb	lb			lb	lb	lb	lb	
60	84.7	386.9	66,800										60
65	84.0	386.1	65,800	54,700									65
70	83.2	385.3	64,800	54,000									70
75	82.4	384.4	63,900	53,300	46,000		84.7	381.1	55,400				75
80	81.7	383.4	62,900	52,600	45,500	40,000	84.0	380.1	54,500	46,900			80
85	80.9	382.4	62,000	52,000	45,000	39,700	83.2	379.1	53,700	46,400			85
90	80.1	381.3	61,100	51,400	44,500	39,300	82.4	378.0	52,800	46,000	40,300		90
95	79.3	380.1	60,200	50,800	44,000	38,900	81.6	376.8	52,000	45,500	39,900	35,500	95
100	78.6	378.8	59,300	50,200	43,500	38,500	80.9	375.5	51,200	45,000	39,500	35,300	100
105	77.8	377.5	58,500	49,600	43,100	38,200	80.1	374.2	50,500	44,500	39,200	35,000	105
110	77.0	376.1	57,600	49,000	42,600	37,800	79.3	372.7	49,700	44,000	38,800	34,700	110
115	76.2	374.6	56,800	48,400	42,200	37,400	78.5	371.3	49,000	43,500	38,400	34,300	115
120	75.4	373.1	55,900	47,800	41,800	37,000	77.7	369.7	48,000	43,100	38,100	34,100	120
125	74.6	371.5	54,900	47,300	41,300	36,700	76.9	368.1	46,800	42,600	37,800	33,800	125
130	73.9	369.8	54,100	46,700	40,900	36,400	76.1	366.3	45,700	42,000	37,400	33,500	130
135	73.1	368.0	53,200	46,200	40,500	36,000	75.3	364.6	44,600	41,500	37,100	33,300	135
140	72.3	366.1	52,300	45,700	40,100	35,700	74.5	362.7	43,600	41,000	36,800	33,000	140
145	71.4	364.2	51,500	45,100	39,700	35,400	73.7	360.7	42,700	40,500	36,500	32,800	145
150	70.6	362.2	50,700	44,600	39,300	35,100	72.8	358.7	41,800	40,000	36,100	32,500	150
155	69.8	360.1	49,900	44,100	38,900	34,700	72.0	356.6	40,800	39,600	35,800	32,300	155
160	69.0	357.9	49,100	43,600	38,500	34,400	71.2	354.4	40,000	39,100	35,500	32,000	160
165	68.2	355.6	48,400	43,100	38,100	34,200	70.4	352.1	39,200	38,600	35,200	31,800	165
170	67.3	353.3	47,600	42,600	37,800	33,800	69.5	349.7	38,400	38,000	34,900	31,600	170
175	66.5	350.8	46,900	42,100	37,400	33,500	68.7	347.2	37,600	37,300	34,600	31,400	175
180	65.7	348.3	46,200	41,500	37,100	33,300	67.8	344.6	36,900	36,600	34,200	31,100	180
190	63.9	342.9	44,900	40,400	36,400	32,700	66.1	339.2	35,600	35,300	33,600	30,700	190
200	62.2	337.1	43,600	39,400	35,600	32,200	64.3	333.4	34,300	34,000	32,900	30,200	200
210	60.4	331.0	42,400	38,400	35,000	31,600	62.5	327.1	33,100	32,800	32,200	29,800	210
220	58.6	324.3	41,200	37,500	34,300	31,200	60.7	320.4	32,000	31,700	31,500	29,400	220
230	56.8	317.3	39,600	36,600	33,600	30,600	58.8	313.2	30,900	30,700	30,500	28,900	230
240	54.9	309.7	38,100	35,700	32,800	30,100	56.9	305.6	30,000	29,800	29,600	28,400	240
250	53.0	301.6	36,600	34,900	32,200	29,700	55.0	297.3	29,100	28,900	28,700	28,000	250
260	51.0	292.8	35,400	33,700	30,800	28,000	52.9	288.5	28,200	28,100	27,900	27,600	260
270	48.9	283.5	34,100	29,700	27,100	24,500	50.8	279.0	27,400	27,300	27,100	26,800	270
280	46.8	273.4	33,000	26,000	23,600	21,200	48.7	268.7	26,700	26,500	25,700	23,300	280
290	44.5	262.6	31,400	22,600	20,300	18,100	46.4	257.7	26,000	24,600	22,200	20,000	290
300	42.2	250.8	27,700	19,300	17,200	15,200	44.0	245.7	25,400	21,100	19,000	16,900	300
310	39.8	238.0	24,100	16,300	14,300	12,500	41.5	232.5	24,800	17,900	15,900	14,000	310
320	37.2	223.9	20,200	13,400	11,600	9,900	38.9	218.1	22,200	14,800	13,000	11,200	320
330	34.4	208.4	16,400	10,600	9,000	7,400	36.0	202.1	18,100	11,900	10,200	8,600	330
340	31.4	191.0	12,700	8,000	6,600		32.9	184.1	14,100	9,100	7,600		340
350	28.0	171.1	9,200				29.4	163.3	10,300				350

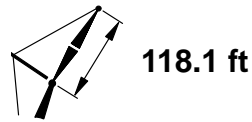
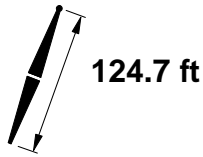
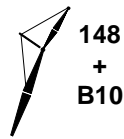
# MLC650 S-2



	10°							20°							
	ft	°	ft					ft	°	ft					ft
				0°	1°	2°	3°				0°	1°	2°	3°	
			lb	lb	lb	lb				lb	lb	lb	lb		
50	84.9	229.1	53,600c												50
55	83.6	228.0	51,900b	43,600c											55
60	82.3	226.8	50,200	42,500c	36,600c										60
65	80.9	225.4	48,500	41,400b	35,900c	31,500c									65
70	79.6	224.0	46,900	40,300	35,000b	30,900c	84.4	221.3	41,500b						70
75	78.2	222.4	45,300	39,200	34,300	30,300b	83.0	219.7	40,200	35,600b	31,600c				75
80	76.9	220.7	43,700	38,200	33,500	29,700	81.7	218.0	38,800	34,500	30,800b	27,700c			80
85	75.5	218.8	42,300	37,100	32,800	29,100	80.3	216.1	37,600	33,600	30,200b	27,200b			85
90	74.1	216.8	40,800	36,100	32,100	28,600	78.9	214.1	36,400	32,700	29,400	26,600b			90
95	72.8	214.7	39,400	35,100	31,300	28,000	77.5	212.0	35,200	31,800	28,700	26,100			95
100	71.3	212.4	38,100	34,000	30,600	27,400	76.0	209.6	34,200	31,000	28,100	25,600			100
105	69.9	210.0	36,900	33,100	29,800	26,800	74.6	207.2	33,100	30,100	27,400	25,000			105
110	68.5	207.4	35,700	32,200	29,100	26,300	73.1	204.6	32,100	29,300	26,800	24,500			110
115	67.0	204.7	34,500	31,300	28,400	25,700	71.6	201.8	31,100	28,500	26,200	24,000			115
120	65.5	201.8	33,400	30,400	27,700	25,200	70.1	198.8	29,900	27,800	25,600	23,500			120
125	64.0	198.7	32,400	29,600	27,000	24,600	68.6	195.7	28,800	27,100	25,000	23,000			125
130	62.5	195.4	31,400	28,700	26,300	24,100	67.0	192.3	27,800	26,400	24,400	22,500			130
135	60.9	191.9	30,300	27,900	25,600	23,500	65.5	188.8	26,800	25,700	23,800	22,100			135
140	59.3	188.2	29,500	27,100	25,000	23,100	63.8	185.1	25,900	25,100	23,300	21,600			140
145	57.7	184.3	28,600	26,400	24,400	22,500	62.2	181.1	25,100	24,500	22,700	21,200			145
150	56.0	180.2	27,700	25,700	23,800	22,000	60.5	176.9	24,200	23,900	22,300	20,700			150
155	54.3	175.8	26,900	25,100	23,300	21,600	58.7	172.4	23,500	23,300	21,800	20,300			155
160	52.6	171.1	26,200	24,400	22,700	21,100	56.9	167.6	22,800	22,600	21,300	19,900			160
165	50.8	166.2	25,400	23,800	22,200	20,600	55.1	162.5	22,100	21,900	20,900	19,600			165
170	48.9	160.9	24,800	23,200	21,700	20,200	53.2	157.1	21,500	21,300	20,500	19,100			170
175	47.0	155.2	24,100	22,600	21,200	19,800	51.2	151.3	20,900	20,700	20,000	18,800			175
180	44.9	149.1	23,500	22,000	20,700	19,400	49.1	145.0	20,300	20,200	19,600	18,500			180
190	40.6	135.5	22,300	21,000	19,800	18,600	44.6	130.9	19,300	19,100	18,900	17,900			190
200	35.7	119.3	21,300	20,000	19,000	17,900	39.5	114.0	18,400	18,300	18,100	17,400			200
210	29.9	99.1	20,400	19,300	18,300	17,300	33.4	92.5	17,600	17,500	17,400	17,000			210
220	22.3	71.0	19,700	18,700	17,700	16,900									220

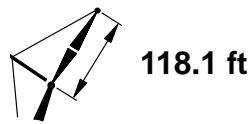
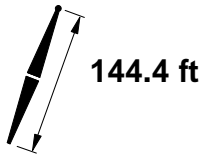
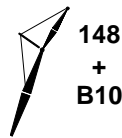


# MLC650 S-2



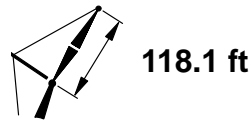
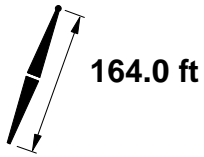
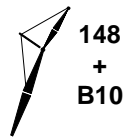
	10°							20°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
55	84.1	248.0	52,400												55
60	82.9	246.9	50,900	42,900 <sup>c</sup>	37,000 <sup>c</sup>										60
65	81.7	245.7	49,300	42,000	36,200 <sup>c</sup>	31,800 <sup>c</sup>									65
70	80.5	244.4	47,900	40,900	35,500 <sup>b</sup>	31,300 <sup>c</sup>	84.9	241.5	41,900						70
75	79.2	242.9	46,300	40,000	34,800	30,700 <sup>b</sup>	83.6	240.0	40,700	35,900 <sup>b</sup>					75
80	78.0	241.3	44,900	39,000	34,100	30,100	82.4	238.4	39,500	35,000	31,200 <sup>b</sup>				80
85	76.8	239.7	43,500	38,000	33,400	29,600	81.1	236.7	38,300	34,100	30,500	27,400 <sup>b</sup>			85
90	75.5	237.9	42,100	37,000	32,700	29,000	79.9	234.9	37,100	33,300	29,900	27,000			90
95	74.2	235.9	40,900	36,100	32,000	28,500	78.6	232.9	36,100	32,400	29,300	26,500			95
100	73.0	233.9	39,600	35,100	31,300	28,000	77.3	230.9	35,100	31,700	28,700	25,900			100
105	71.7	231.7	38,400	34,300	30,700	27,500	76.0	228.6	34,100	30,900	28,100	25,500			105
110	70.4	229.4	37,300	33,400	29,900	27,000	74.7	226.3	33,100	30,200	27,500	25,000			110
115	69.1	226.9	36,200	32,500	29,300	26,400	73.3	223.8	32,200	29,400	26,900	24,500			115
120	67.7	224.3	35,100	31,600	28,600	26,000	72.0	221.1	31,300	28,700	26,300	24,100			120
125	66.4	221.5	34,000	30,900	28,000	25,500	70.6	218.3	30,300	28,000	25,700	23,600			125
130	65.0	218.6	33,100	30,100	27,400	25,000	69.2	215.4	29,200	27,400	25,200	23,200			130
135	63.6	215.5	32,100	29,300	26,700	24,500	67.8	212.2	28,300	26,700	24,700	22,700			135
140	62.2	212.3	31,200	28,500	26,200	23,900	66.4	208.9	27,300	26,100	24,100	22,300			140
145	60.8	208.8	30,300	27,900	25,600	23,500	64.9	205.4	26,500	25,500	23,600	21,900			145
150	59.3	205.2	29,500	27,100	25,000	23,000	63.4	201.7	25,700	25,000	23,200	21,500			150
155	57.9	201.4	28,700	26,500	24,400	22,600	61.9	197.9	24,900	24,400	22,700	21,100			155
160	56.3	197.4	27,900	25,900	23,900	22,100	60.4	193.7	24,200	23,800	22,200	20,700			160
165	54.8	193.1	27,200	25,300	23,400	21,700	58.8	189.4	23,500	23,300	21,800	20,300			165
170	53.2	188.6	26,400	24,700	22,900	21,200	57.2	184.8	22,900	22,700	21,400	20,000			170
175	51.6	183.8	25,700	24,000	22,400	20,900	55.5	179.9	22,200	22,000	21,000	19,600			175
180	49.9	178.8	25,100	23,500	21,900	20,400	53.8	174.8	21,700	21,500	20,600	19,300			180
190	46.4	167.8	23,900	22,400	21,000	19,700	50.2	163.5	20,600	20,500	19,900	18,700			190
200	42.6	155.2	22,800	21,400	20,200	18,900	46.3	150.5	19,600	19,500	19,100	18,100			200
210	38.5	140.7	21,800	20,500	19,400	18,300	42.0	135.4	18,800	18,600	18,500	17,600			210
220	33.8	123.5	20,900	19,800	18,700	17,700	37.1	117.4	18,000	17,900	17,800	17,200			220
230	28.2	102.0	20,200	19,100	18,100	17,200	31.1	94.4	17,400	17,200	17,200	16,900			230
240	20.7	72.0	19,600	18,700	17,700	16,800									240

# MLC650 S-2



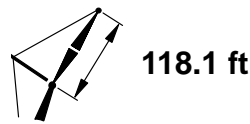
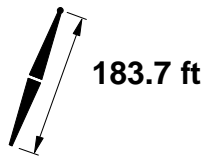
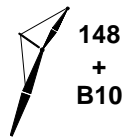
	10°								20°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	°	ft	0° lb	1° lb	2° lb	3° lb	ft		
55	84.6	268.0	52,900											55		
60	83.4	267.0	51,500	43,300c										60		
65	82.3	265.9	50,000	42,300	36,500c									65		
70	81.2	264.6	48,600	41,400	35,800	31,500c								70		
75	80.1	263.3	47,300	40,600	35,100	30,900b	84.1	260.2	41,100					75		
80	78.9	261.9	45,900	39,600	34,500	30,500	83.0	258.7	39,900	35,400	31,500b			80		
85	77.8	260.3	44,600	38,700	33,900	29,900	81.8	257.2	38,900	34,600	30,900	27,600b		85		
90	76.6	258.7	43,300	37,800	33,200	29,500	80.7	255.5	37,800	33,800	30,300	27,200		90		
95	75.5	256.9	42,100	37,000	32,600	29,000	79.5	253.7	36,800	33,000	29,700	26,700		95		
100	74.3	255.0	40,900	36,100	32,000	28,500	78.3	251.8	35,900	32,300	29,100	26,300		100		
105	73.1	253.0	39,700	35,200	31,300	28,000	77.1	249.8	34,900	31,500	28,500	25,900		105		
110	72.0	250.9	38,600	34,400	30,700	27,600	75.9	247.6	34,000	30,800	28,000	25,400		110		
115	70.8	248.6	37,500	33,600	30,200	27,100	74.7	245.4	33,200	30,100	27,400	25,000		115		
120	69.6	246.3	36,500	32,800	29,500	26,700	73.5	243.0	32,300	29,500	26,900	24,600		120		
125	68.3	243.8	35,500	32,000	28,900	26,100	72.2	240.4	31,500	28,900	26,400	24,200		125		
130	67.1	241.1	34,600	31,200	28,300	25,700	71.0	237.7	30,500	28,100	25,900	23,700		130		
135	65.9	238.4	33,600	30,500	27,700	25,200	69.7	234.9	29,600	27,500	25,300	23,300		135		
140	64.6	235.4	32,700	29,800	27,100	24,700	68.4	232.0	28,700	27,000	24,900	22,900		140		
145	63.3	232.4	31,900	29,100	26,500	24,300	67.1	228.8	27,800	26,400	24,300	22,500		145		
150	62.0	229.1	31,000	28,500	26,000	23,900	65.8	225.5	27,000	25,900	23,900	22,100		150		
155	60.7	225.7	30,200	27,800	25,500	23,400	64.5	222.1	26,200	25,400	23,500	21,700		155		
160	59.4	222.2	29,500	27,200	25,000	23,000	63.1	218.5	25,500	24,800	23,000	21,400		160		
165	58.0	218.4	28,700	26,500	24,500	22,600	61.7	214.6	24,900	24,300	22,600	21,000		165		
170	56.6	214.5	28,000	26,000	23,900	22,200	60.3	210.6	24,100	23,800	22,200	20,700		170		
175	55.2	210.3	27,300	25,400	23,500	21,800	58.9	206.4	23,500	23,300	21,800	20,400		175		
180	53.7	206.0	26,700	24,800	23,100	21,300	57.4	202.0	22,900	22,700	21,400	20,000		180		
190	50.7	196.6	25,400	23,700	22,100	20,600	54.3	192.3	21,800	21,700	20,700	19,400		190		
200	47.6	186.1	24,300	22,800	21,300	19,900	51.1	181.6	20,900	20,700	20,000	18,800		200		
210	44.2	174.3	23,200	21,800	20,500	19,200	47.6	169.5	19,900	19,800	19,400	18,300		210		
220	40.6	161.0	22,300	21,000	19,800	18,600	43.9	155.7	19,100	19,000	18,800	17,800		220		
230	36.6	145.6	21,500	20,200	19,100	18,000	39.7	139.7	18,400	18,300	18,200	17,400		230		
240	32.0	127.4	20,700	19,500	18,500	17,500	34.9	120.5	17,800	17,600	17,500	17,000		240		
250	26.6	104.7	20,100	19,000	18,000	17,100	29.1	96.0	17,200	17,100	17,000	16,800		250		
260	19.3	72.9	19,500	18,600	17,600	16,800								260		

# MLC650 S-2



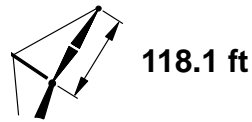
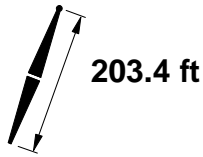
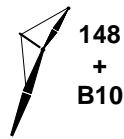
	10°							20°							
	ft	°	ft	661,300 lb				ft	°	ft	661,300 lb				
				0°	1°	2°	3°				0°	1°	2°	3°	
ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
55	84.9	287.9	53,300												55
60	83.9	287.0	52,000	43,400 <sup>b</sup>											60
65	82.9	285.9	50,600	42,600	36,700 <sup>c</sup>										65
70	81.8	284.8	49,300	41,800	36,000	31,700 <sup>c</sup>									70
75	80.8	283.6	48,000	41,000	35,400	31,200	84.6	280.3	41,500						75
80	79.7	282.2	46,800	40,100	34,800	30,700	83.5	279.0	40,500	35,700					80
85	78.7	280.8	45,500	39,300	34,300	30,200	82.4	277.5	39,400	34,900	31,100				85
90	77.6	279.3	44,300	38,500	33,700	29,800	81.4	276.0	38,400	34,200	30,600	27,400			90
95	76.6	277.7	43,200	37,700	33,100	29,300	80.3	274.3	37,500	33,500	30,000	27,000			95
100	75.5	275.9	42,000	36,800	32,500	28,900	79.2	272.6	36,500	32,800	29,500	26,600			100
105	74.4	274.1	40,900	36,000	31,900	28,400	78.1	270.7	35,700	32,100	29,000	26,200			105
110	73.3	272.1	39,800	35,300	31,300	28,000	77.0	268.7	34,800	31,400	28,400	25,700			110
115	72.2	270.1	38,800	34,500	30,800	27,600	75.9	266.6	33,900	30,700	27,900	25,400			115
120	71.1	267.9	37,800	33,700	30,200	27,100	74.7	264.4	33,100	30,100	27,400	24,900			120
125	70.0	265.6	36,800	33,000	29,600	26,700	73.6	262.1	32,300	29,600	26,900	24,500			125
130	68.9	263.2	35,900	32,300	29,100	26,300	72.5	259.7	31,600	28,900	26,400	24,200			130
135	67.7	260.7	35,000	31,500	28,500	25,900	71.3	257.1	30,800	28,300	26,000	23,800			135
140	66.6	258.0	34,100	30,900	28,000	25,400	70.2	254.4	29,900	27,800	25,500	23,400			140
145	65.4	255.2	33,300	30,200	27,400	25,000	69.0	251.6	29,100	27,200	25,000	23,000			145
150	64.2	252.3	32,400	29,600	27,000	24,600	67.8	248.6	28,200	26,600	24,600	22,600			150
155	63.0	249.2	31,700	28,900	26,400	24,200	66.6	245.5	27,500	26,100	24,100	22,300			155
160	61.8	246.0	30,900	28,300	25,900	23,700	65.3	242.2	26,800	25,600	23,700	22,000			160
165	60.6	242.7	30,100	27,700	25,500	23,400	64.1	238.8	26,100	25,200	23,300	21,600			165
170	59.4	239.1	29,500	27,200	24,900	22,900	62.8	235.2	25,400	24,700	23,000	21,300			170
175	58.1	235.4	28,700	26,500	24,500	22,600	61.6	231.5	24,800	24,200	22,600	20,900			175
180	56.8	231.6	28,100	26,000	24,000	22,200	60.2	227.5	24,100	23,800	22,200	20,600			180
190	54.2	223.3	26,900	25,000	23,200	21,400	57.6	219.1	23,000	22,800	21,500	20,000			190
200	51.4	214.2	25,700	24,000	22,300	20,800	54.8	209.8	22,000	21,800	20,800	19,500			200
210	48.6	204.1	24,600	23,100	21,500	20,100	51.8	199.5	21,100	20,900	20,200	18,900			210
220	45.5	193.0	23,600	22,100	20,800	19,400	48.7	188.1	20,200	20,100	19,600	18,400			220
230	42.3	180.5	22,700	21,300	20,100	18,900	45.3	175.2	19,400	19,300	19,000	18,000			230
240	38.8	166.4	21,900	20,600	19,500	18,300	41.7	160.6	18,700	18,600	18,400	17,600			240
250	34.9	150.2	21,100	20,000	18,800	17,800	37.7	143.7	18,100	17,900	17,800	17,300			250
260	30.5	131.1	20,500	19,400	18,300	17,300	33.0	123.5	17,600	17,400	17,300	17,000			260
270	25.2	107.2	20,000	18,900	17,900	17,000	27.3	97.5	17,100	17,000	16,900	16,800			270
280	18.1	73.5	19,400	18,600	17,600	16,800									280

# MLC650 S-2



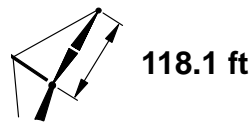
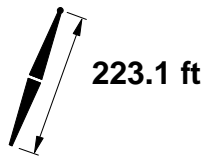
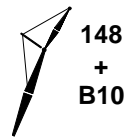
ft	10°								20°								ft	
	ft	°	0°				1°				ft	°	0°					ft
			lb	lb	lb	lb	lb	lb	lb	lb			lb	lb	lb	lb		
60	84.3	307.0	52,400															60
65	83.3	306.0	51,100	42,900														65
70	82.4	304.9	49,900	42,100	36,300													70
75	81.4	303.8	48,700	41,400	35,700	31,400			84.9	300.4	41,800							75
80	80.4	302.5	47,600	40,600	35,100	30,900			83.9	299.1	40,800	36,000						80
85	79.4	301.2	46,300	39,800	34,600	30,500			82.9	297.8	39,800	35,300	31,300					85
90	78.5	299.8	45,200	39,000	34,100	30,000			81.9	296.3	39,000	34,600	30,700	27,600				90
95	77.5	298.3	44,100	38,300	33,500	29,600			80.9	294.8	38,000	33,900	30,300	27,200				95
100	76.5	296.7	43,000	37,500	33,000	29,200			79.9	293.2	37,100	33,200	29,800	26,800				100
105	75.5	295.0	41,900	36,800	32,400	28,800			78.9	291.4	36,300	32,500	29,300	26,400				105
110	74.5	293.2	40,900	36,100	31,900	28,400			77.9	289.6	35,500	31,900	28,800	26,000				110
115	73.4	291.2	39,900	35,300	31,400	28,000			76.9	287.7	34,700	31,300	28,300	25,700				115
120	72.4	289.2	39,000	34,600	30,800	27,600			75.8	285.6	33,900	30,700	27,900	25,300				120
125	71.4	287.1	38,000	33,900	30,300	27,200			74.8	283.5	33,100	30,200	27,400	25,000				125
130	70.3	284.9	37,100	33,200	29,800	26,800			73.7	281.3	32,500	29,500	26,900	24,600				130
135	69.3	282.6	36,200	32,600	29,300	26,400			72.7	278.9	31,700	29,000	26,500	24,200				135
140	68.2	280.1	35,400	31,900	28,800	26,000			71.6	276.4	31,000	28,400	26,000	23,900				140
145	67.2	277.6	34,500	31,200	28,300	25,600			70.5	273.8	30,200	27,900	25,600	23,500				145
150	66.1	274.9	33,800	30,600	27,700	25,200			69.4	271.1	29,400	27,400	25,200	23,200				150
155	65.0	272.1	33,000	30,000	27,300	24,800			68.3	268.3	28,600	26,900	24,700	22,800				155
160	63.9	269.2	32,200	29,400	26,800	24,400			67.2	265.3	27,900	26,400	24,400	22,500				160
165	62.8	266.1	31,500	28,800	26,300	24,000			66.1	262.2	27,200	25,900	23,900	22,200				165
170	61.7	262.9	30,800	28,200	25,800	23,700			64.9	258.9	26,500	25,500	23,600	21,800				170
175	60.5	259.6	30,100	27,700	25,400	23,300			63.8	255.5	25,800	25,000	23,200	21,500				175
180	59.4	256.1	29,500	27,100	24,900	22,900			62.6	252.0	25,300	24,600	22,800	21,200				180
190	57.0	248.7	28,200	26,100	24,000	22,200			60.2	244.4	24,100	23,700	22,200	20,600				190
200	54.6	240.6	27,000	25,100	23,200	21,500			57.7	236.2	23,100	22,900	21,500	20,000				200
210	52.0	231.7	25,900	24,200	22,500	20,900			55.1	227.2	22,100	21,900	20,900	19,500				210
220	49.4	222.0	24,900	23,300	21,700	20,300			52.4	217.2	21,300	21,100	20,300	19,000				220
230	46.6	211.4	24,000	22,500	21,000	19,600			49.6	206.3	20,400	20,300	19,800	18,600				230
240	43.7	199.6	23,100	21,700	20,400	19,100			46.6	194.2	19,700	19,500	19,200	18,100				240
250	40.5	186.4	22,300	21,000	19,800	18,500			43.3	180.7	19,000	18,900	18,800	17,700				250
260	37.1	171.6	21,600	20,300	19,200	18,100			39.8	165.3	18,400	18,300	18,200	17,400				260
270	33.4	154.6	20,900	19,700	18,700	17,600			35.9	147.6	17,800	17,800	17,700	17,100				270
280	29.1	134.5	20,300	19,200	18,200	17,200			31.4	126.2	17,400	17,300	17,200	16,900				280
290	24.0	109.5	19,800	18,800	17,800	16,900												290

# MLC650 S-2



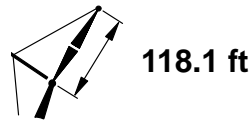
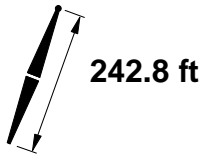
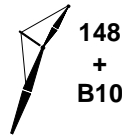
	10°						20°								
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb		2° lb	3° lb
60	84.7	326.9	52,600												60
65	83.8	326.0	51,500	43,100											65
70	82.9	325.0	50,400	42,300	36,400										70
75	81.9	323.9	49,300	41,600	35,900	31,500									75
80	81.0	322.8	48,100	40,900	35,300	31,100	84.3	319.2	41,100						80
85	80.1	321.5	47,000	40,200	34,800	30,600	83.4	317.9	40,300	35,500					85
90	79.2	320.2	45,900	39,500	34,300	30,200	82.5	316.6	39,300	34,800	30,900				90
95	78.3	318.8	44,900	38,800	33,800	29,800	81.5	315.2	38,500	34,200	30,500	27,300			95
100	77.3	317.3	43,900	38,100	33,300	29,400	80.6	313.6	37,600	33,600	30,100	27,000	26,000		100
105	76.4	315.7	42,900	37,400	32,800	29,000	79.6	312.0	36,800	32,900	29,600	26,600			105
110	75.5	314.0	41,900	36,700	32,300	28,700	78.7	310.3	36,000	32,400	29,100	26,300			110
115	74.5	312.2	40,900	36,000	31,800	28,300	77.7	308.5	35,300	31,800	28,600	25,900			115
120	73.6	310.4	40,000	35,300	31,400	27,900	76.8	306.6	34,600	31,200	28,200	25,500			120
125	72.6	308.4	39,100	34,700	30,800	27,600	75.8	304.7	33,900	30,700	27,700	25,200			125
130	71.6	306.3	38,200	34,000	30,300	27,200	74.8	302.6	33,100	30,100	27,300	24,900			130
135	70.7	304.2	37,300	33,300	29,900	26,800	73.8	300.4	32,500	29,600	26,900	24,500			135
140	69.7	301.9	36,500	32,700	29,400	26,400	72.8	298.1	31,800	29,100	26,500	24,200			140
145	68.7	299.5	35,700	32,100	28,900	26,100	71.8	295.7	31,200	28,500	26,100	23,900			145
150	67.7	297.1	35,000	31,500	28,400	25,700	70.8	293.2	30,400	28,000	25,700	23,600			150
155	66.7	294.5	34,200	30,800	28,000	25,300	69.8	290.6	29,700	27,600	25,300	23,200			155
160	65.7	291.8	33,400	30,300	27,500	25,000	68.8	287.8	28,900	27,100	24,900	22,900			160
165	64.7	289.0	32,700	29,800	27,000	24,700	67.8	285.0	28,200	26,600	24,500	22,600			165
170	63.6	286.0	32,000	29,200	26,600	24,200	66.7	282.0	27,600	26,200	24,200	22,300			170
175	62.6	283.0	31,300	28,700	26,200	23,900	65.6	278.9	26,900	25,700	23,800	22,000			175
180	61.5	279.8	30,600	28,100	25,800	23,600	64.6	275.7	26,300	25,300	23,400	21,700			180
190	59.4	273.1	29,500	27,100	24,900	22,900	62.4	268.8	25,200	24,500	22,800	21,100			190
200	57.2	265.7	28,300	26,100	24,100	22,200	60.1	261.4	24,100	23,700	22,100	20,600			200
210	54.9	257.8	27,200	25,200	23,300	21,600	57.8	253.3	23,100	22,900	21,500	20,100			210
220	52.5	249.1	26,100	24,400	22,600	21,000	55.4	244.5	22,200	22,000	20,900	19,600			220
230	50.1	239.7	25,100	23,500	21,900	20,400	52.9	234.9	21,400	21,300	20,400	19,100			230
240	47.5	229.5	24,300	22,800	21,200	19,800	50.3	224.4	20,700	20,500	19,900	18,600			240
250	44.9	218.3	23,500	22,000	20,600	19,300	47.6	212.9	19,900	19,800	19,400	18,300			250
260	42.0	205.9	22,700	21,300	20,100	18,800	44.6	200.1	19,300	19,100	18,900	17,800			260
270	39.0	192.1	22,000	20,700	19,500	18,300	41.5	185.9	18,700	18,600	18,500	17,600			270
280	35.7	176.6	21,300	20,100	19,000	17,900	38.1	169.8	18,100	18,000	17,900	17,300			280
290	32.1	158.8	20,700	19,500	18,500	17,500	34.3	151.2	17,700	17,600	17,400	17,000			290
300	27.9	137.8	20,200	19,100	18,100	17,100	29.9	128.8	17,300	17,200	17,100	16,900			300
310	22.9	111.6	19,800	18,700	17,700	16,900									310

# MLC650 S-2



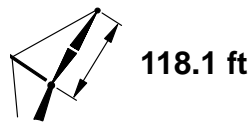
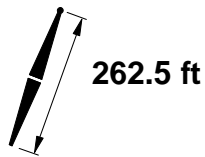
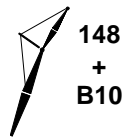
	10°							20°						
	ft	°	ft	10°				°	ft	20°				ft
				0°	1°	2°	3°			0°	1°	2°	3°	
			lb	lb	lb	lb			lb	lb	lb	lb		
60	85.0	346.8	52,800											60
65	84.1	345.9	51,700											65
70	83.3	345.0	50,600	42,400										70
75	82.4	344.0	49,600	41,800	35,900									75
80	81.6	342.9	48,600	41,100	35,400	31,100	84.7	339.2	41,400					80
85	80.7	341.7	47,500	40,400	34,900	30,700	83.8	338.1	40,500	35,600				85
90	79.8	340.5	46,500	39,800	34,500	30,300	82.9	336.8	39,700	35,000	31,000			90
95	79.0	339.2	45,600	39,200	34,000	29,900	82.0	335.5	38,900	34,400	30,600	27,300		95
100	78.1	337.8	44,600	38,500	33,500	29,500	81.2	334.0	38,000	33,800	30,100	27,000		100
105	77.2	336.3	43,600	37,800	33,100	29,200	80.3	332.5	37,300	33,300	29,800	26,700		105
110	76.3	334.7	42,700	37,200	32,600	28,900	79.4	330.9	36,600	32,800	29,300	26,400		110
115	75.4	333.0	41,800	36,600	32,200	28,500	78.5	329.2	35,900	32,200	28,900	26,100		115
120	74.6	331.3	40,900	35,900	31,700	28,200	77.6	327.5	35,200	31,600	28,500	25,800		120
125	73.7	329.4	40,000	35,200	31,300	27,800	76.7	325.6	34,500	31,100	28,100	25,400		125
130	72.8	327.5	39,100	34,600	30,700	27,500	75.8	323.7	33,800	30,600	27,700	25,100		130
135	71.9	325.5	38,300	34,000	30,300	27,200	74.8	321.6	33,100	30,100	27,300	24,800		135
140	70.9	323.4	37,500	33,500	29,900	26,800	73.9	319.5	32,500	29,600	26,900	24,500		140
145	70.0	321.2	36,800	32,800	29,400	26,500	73.0	317.3	31,900	29,100	26,500	24,100		145
150	69.1	318.9	36,000	32,300	29,000	26,100	72.1	314.9	31,300	28,600	26,100	23,800		150
155	68.2	316.5	35,300	31,700	28,500	25,700	71.1	312.5	30,600	28,200	25,700	23,600		155
160	67.2	314.0	34,500	31,200	28,100	25,400	70.2	310.0	29,900	27,700	25,400	23,300		160
165	66.3	311.4	33,800	30,600	27,700	25,100	69.2	307.3	29,200	27,200	25,000	23,000		165
170	65.3	308.7	33,200	30,000	27,300	24,800	68.2	304.6	28,600	26,800	24,600	22,700		170
175	64.4	305.9	32,500	29,500	26,800	24,400	67.3	301.7	27,900	26,400	24,300	22,400		175
180	63.4	302.9	31,900	29,000	26,500	24,100	66.3	298.8	27,300	26,000	24,000	22,100		180
190	61.4	296.7	30,600	28,000	25,600	23,400	64.3	292.4	26,200	25,200	23,300	21,600		190
200	59.4	290.0	29,400	27,100	24,800	22,800	62.2	285.6	25,100	24,500	22,700	21,100		200
210	57.3	282.8	28,300	26,100	24,100	22,200	60.1	278.3	24,100	23,700	22,100	20,500		210
220	55.2	275.0	27,300	25,300	23,400	21,600	57.9	270.3	23,200	23,000	21,500	20,100		220
230	53.0	266.5	26,300	24,500	22,700	21,000	55.7	261.7	22,300	22,100	21,000	19,600		230
240	50.7	257.4	25,400	23,700	22,000	20,500	53.4	252.4	21,600	21,400	20,400	19,200		240
250	48.3	247.5	24,500	22,900	21,400	20,000	51.0	242.3	20,900	20,700	20,000	18,800		250
260	45.9	236.7	23,700	22,200	20,800	19,500	48.4	231.2	20,200	20,000	19,600	18,400		260
270	43.3	224.9	23,000	21,600	20,200	19,000	45.8	219.2	19,500	19,400	19,100	18,000		270
280	40.5	211.9	22,300	21,000	19,700	18,500	42.9	205.8	18,900	18,800	18,700	17,700		280
290	37.6	197.5	21,700	20,400	19,200	18,100	39.9	190.9	18,400	18,300	18,200	17,400		290
300	34.4	181.3	21,100	19,900	18,800	17,700	36.6	174.1	18,000	17,800	17,700	17,200		300
310	30.8	162.8	20,600	19,400	18,400	17,400	32.8	154.6	17,500	17,400	17,400	17,000		310
320	26.8	140.9	20,100	19,000	18,000	17,100	28.5	131.3	17,200	17,100	17,000	16,800		320
330	21.9	113.6	19,700	18,700	17,700	16,800								330

# MLC650 S-2



ft	10°						20°						ft
	°	ft	661,300 lb				°	ft	661,300 lb				
			0°	1°	2°	3°			0°	1°	2°	3°	
lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb		
65	84.5	365.9	51,900										65
70	83.6	365.0	51,000	42,400									70
75	82.8	364.0	50,000	41,900	36,000								75
80	82.0	363.0	49,000	41,200	35,500		85.0	359.2	41,500				80
85	81.2	361.9	48,000	40,700	35,000	30,700	84.1	358.1	40,700				85
90	80.4	360.7	47,100	40,000	34,600	30,400	83.3	356.9	39,900	35,100			90
95	79.6	359.5	46,100	39,400	34,200	30,000	82.5	355.7	39,200	34,600	30,700		95
100	78.8	358.2	45,200	38,800	33,700	29,700	81.7	354.3	38,500	34,100	30,300	27,100	100
105	77.9	356.8	44,300	38,200	33,300	29,300	80.8	352.9	37,700	33,500	29,900	26,800	105
110	77.1	355.3	43,400	37,600	32,800	29,000	80.0	351.4	37,100	33,000	29,500	26,500	110
115	76.3	353.7	42,600	37,000	32,400	28,600	79.1	349.8	36,300	32,500	29,100	26,200	115
120	75.4	352.1	41,700	36,400	32,000	28,400	78.3	348.2	35,600	32,000	28,800	25,900	120
125	74.6	350.3	40,900	35,800	31,600	28,100	77.5	346.4	35,000	31,400	28,300	25,600	125
130	73.8	348.5	40,000	35,200	31,100	27,700	76.6	344.6	34,300	30,900	28,000	25,300	130
135	72.9	346.6	39,200	34,700	30,700	27,400	75.7	342.7	33,700	30,500	27,600	25,000	135
140	72.0	344.7	38,400	34,000	30,300	27,100	74.9	340.7	33,100	30,100	27,300	24,700	140
145	71.2	342.6	37,700	33,500	29,900	26,700	74.0	338.6	32,500	29,500	26,800	24,400	145
150	70.3	340.5	36,900	33,000	29,500	26,400	73.1	336.4	32,000	29,100	26,500	24,100	150
155	69.5	338.2	36,200	32,400	29,000	26,100	72.2	334.2	31,400	28,700	26,100	23,800	155
160	68.6	335.9	35,500	31,800	28,700	25,800	71.4	331.8	30,900	28,200	25,800	23,500	160
165	67.7	333.5	34,800	31,400	28,200	25,500	70.5	329.3	30,100	27,800	25,400	23,300	165
170	66.8	330.9	34,200	30,900	27,800	25,200	69.6	326.8	29,500	27,400	25,100	23,000	170
175	65.9	328.3	33,500	30,400	27,400	24,900	68.7	324.1	28,900	27,000	24,700	22,800	175
180	65.0	325.6	32,900	29,800	27,100	24,600	67.7	321.4	28,300	26,600	24,400	22,500	180
190	63.2	319.8	31,700	28,900	26,300	24,000	65.9	315.5	27,100	25,800	23,800	21,900	190
200	61.3	313.6	30,500	27,900	25,500	23,400	64.0	309.2	26,000	25,100	23,200	21,500	200
210	59.4	307.0	29,400	27,100	24,800	22,800	62.0	302.5	25,000	24,400	22,700	21,000	210
220	57.4	299.8	28,400	26,200	24,100	22,200	60.1	295.2	24,100	23,700	22,100	20,500	220
230	55.4	292.1	27,400	25,400	23,400	21,700	58.0	287.4	23,200	23,000	21,500	20,000	230
240	53.4	283.8	26,500	24,600	22,800	21,100	55.9	278.9	22,400	22,200	21,000	19,600	240
250	51.2	274.9	25,600	23,900	22,200	20,600	53.8	269.9	21,700	21,500	20,600	19,200	250
260	49.0	265.3	24,800	23,200	21,600	20,100	51.5	260.0	21,000	20,800	20,100	18,800	260
270	46.7	254.9	24,100	22,500	21,000	19,600	49.2	249.4	20,400	20,200	19,700	18,500	270
280	44.3	243.6	23,300	21,800	20,500	19,200	46.7	237.8	19,800	19,600	19,200	18,100	280
290	41.8	231.3	22,600	21,200	20,000	18,700	44.1	225.2	19,200	19,000	18,900	17,800	290
300	39.2	217.7	22,000	20,700	19,500	18,300	41.4	211.3	18,700	18,600	18,500	17,500	300
310	36.3	202.7	21,500	20,200	19,100	18,000	38.4	195.7	18,200	18,100	18,000	17,300	310
320	33.2	185.9	20,900	19,700	18,600	17,600	35.2	178.2	17,800	17,700	17,600	17,100	320
330	29.7	166.6	20,400	19,300	18,200	17,300	31.5	157.9	17,500	17,300	17,200	16,900	330
340	25.8	143.9	20,000	17,600	16,300	15,000	27.3	133.6	17,200	17,000	16,900	15,700	340
350	21.0	115.4	19,600	14,900	13,800	12,700							350

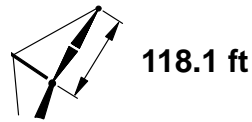
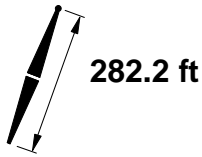
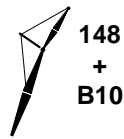
# MLC650 S-2



ft	10°							20°							ft
	°	ft	Lift Capacity (lb)				ft	°	ft	Lift Capacity (lb)					
			0°	1°	2°	3°				0°	1°	2°	3°		
65	84.7	385.8	52,000											65	
70	84.0	384.9	51,100	42,500										70	
75	83.2	384.0	50,200	41,900										75	
80	82.4	383.1	49,300	41,300	35,500									80	
85	81.7	382.0	48,400	40,800	35,000	30,700	84.5	378.1	40,900					85	
90	80.9	380.9	47,500	40,200	34,600	30,400	83.7	377.0	40,200	35,300				90	
95	80.1	379.7	46,700	39,700	34,200	30,000	82.9	375.8	39,500	34,700	30,700			95	
100	79.4	378.5	45,800	39,100	33,800	29,700	82.1	374.6	38,800	34,300	30,400			100	
105	78.6	377.1	44,900	38,500	33,400	29,400	81.3	373.2	38,100	33,700	30,000	26,800		105	
110	77.8	375.7	44,100	38,000	33,000	29,100	80.5	371.8	37,400	33,200	29,600	26,500		110	
115	77.0	374.3	43,200	37,400	32,600	28,800	79.7	370.3	36,800	32,700	29,300	26,200		115	
120	76.2	372.7	42,400	36,800	32,200	28,500	78.9	368.8	36,100	32,300	28,900	26,000		120	
125	75.4	371.1	41,600	36,300	31,800	28,100	78.1	367.1	35,400	31,800	28,600	25,700		125	
130	74.6	369.4	40,800	35,700	31,500	27,900	77.3	365.4	34,900	31,300	28,200	25,400		130	
135	73.8	367.6	40,000	35,100	31,100	27,600	76.5	363.6	34,300	30,900	27,800	25,100		135	
140	73.0	365.8	39,300	34,700	30,700	27,300	75.7	361.7	33,700	30,400	27,500	24,900		140	
145	72.2	363.8	38,500	34,100	30,300	27,000	74.9	359.8	33,100	30,000	27,200	24,600		145	
150	71.4	361.8	37,800	33,500	29,900	26,700	74.1	357.7	32,600	29,500	26,800	24,300		150	
155	70.6	359.7	37,100	33,000	29,500	26,400	73.2	355.6	32,000	29,100	26,500	24,000		155	
160	69.8	357.5	36,500	32,600	29,100	26,100	72.4	353.4	31,500	28,700	26,100	23,800		160	
165	68.9	355.2	35,800	32,000	28,700	25,900	71.6	351.1	30,900	28,300	25,800	23,500		165	
170	68.1	352.9	35,100	31,500	28,400	25,500	70.7	348.7	30,400	27,900	25,400	23,300		170	
175	67.3	350.4	34,500	31,100	27,900	25,300	69.9	346.2	29,700	27,500	25,200	23,000		175	
180	66.4	347.9	33,900	30,600	27,500	24,900	69.0	343.6	29,100	27,100	24,800	22,800		180	
190	64.7	342.5	32,700	29,600	26,800	24,400	67.3	338.2	28,000	26,300	24,200	22,300		190	
200	63.0	336.7	31,500	28,700	26,100	23,800	65.5	332.3	26,900	25,600	23,600	21,800		200	
210	61.2	330.6	30,500	27,900	25,500	23,300	63.7	326.0	25,900	24,900	23,100	21,300		210	
220	59.4	323.9	29,400	27,100	24,700	22,700	61.9	319.3	25,000	24,300	22,600	20,900		220	
230	57.5	316.8	28,400	26,200	24,100	22,100	60.0	312.1	24,100	23,700	22,000	20,500		230	
240	55.7	309.2	27,500	25,500	23,500	21,600	58.1	304.4	23,300	23,100	21,500	20,000		240	
250	53.7	301.1	26,600	24,800	22,900	21,200	56.1	296.1	22,500	22,300	21,100	19,600		250	
260	51.7	292.4	25,800	24,000	22,300	20,700	54.1	287.3	21,900	21,700	20,600	19,300		260	
270	49.6	283.0	25,100	23,400	21,700	20,200	52.0	277.7	21,200	21,000	20,200	18,900		270	
280	47.5	272.9	24,300	22,700	21,200	19,700	49.8	267.4	20,600	20,400	19,800	18,500		280	
290	45.3	262.0	23,600	22,100	20,700	19,300	47.5	256.3	20,000	19,800	19,400	18,200		290	
300	43.0	250.2	23,000	21,500	20,200	18,900	45.1	244.2	19,400	19,300	19,000	17,900		300	
310	40.5	237.4	22,400	21,000	19,700	18,500	42.6	231.0	18,900	18,800	18,700	17,700		310	
320	37.9	223.3	21,800	20,500	18,700	17,000	39.9	216.5	18,500	18,400	18,200	17,400		320	
330	35.1	207.7	21,200	17,700	16,100	14,500	37.1	200.3	18,000	17,900	17,400	15,800		330	
340	32.1	190.3	20,700	15,100	13,600	12,200	33.9	182.1	17,700	16,200	14,700	13,200		340	
350	28.7	170.3	18,600	12,600	11,200	9,900								350	
360	24.8	146.7	15,200	10,200	9,000	7,800	30.3	161.0	17,300	13,500	12,100	10,800		360	
370	20.1	117.1	11,200	7,800	6,700									370	

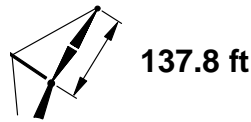
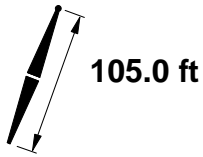
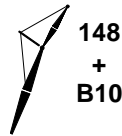


# MLC650 S-2



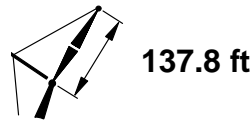
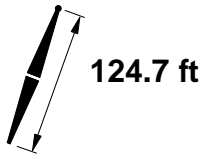
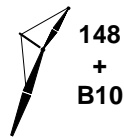
		10°						20°							
ft	°	ft	lb	lb	lb	lb	°	ft	lb	lb	lb	lb	ft		
65	85.0	405.6	52,100										65		
70	84.3	404.9	51,200										70		
75	83.6	404.0	50,400	41,900									75		
80	82.8	403.1	49,500	41,300	35,400								80		
85	82.1	402.1	48,700	40,800	35,000		84.7	398.1	41,200				85		
90	81.4	401.0	47,800	40,300	34,600	30,300	84.0	397.1	40,400	35,300			90		
95	80.6	399.9	47,000	39,800	34,200	30,000	83.3	395.9	39,700	34,900			95		
100	79.9	398.7	46,200	39,200	33,800	29,700	82.5	394.7	39,100	34,400	30,400		100		
105	79.2	397.5	45,400	38,700	33,500	29,400	81.8	393.5	38,400	33,900	30,100	26,700	105		
110	78.4	396.1	44,600	38,200	33,100	29,100	81.0	392.1	37,800	33,400	29,700	26,500	110		
115	77.7	394.7	43,800	37,700	32,700	28,800	80.3	390.7	37,100	32,900	29,300	26,200	115		
120	76.9	393.3	43,000	37,100	32,300	28,500	79.5	389.2	36,500	32,500	29,000	25,900	120		
125	76.2	391.7	42,300	36,600	32,000	28,200	78.8	387.7	35,900	32,000	28,700	25,700	125		
130	75.4	390.1	41,500	36,200	31,700	28,000	78.0	386.1	35,300	31,600	28,300	25,500	130		
135	74.7	388.5	40,800	35,600	31,300	27,700	77.2	384.4	34,700	31,200	28,000	25,200	135		
140	73.9	386.7	40,100	35,100	30,900	27,400	76.5	382.6	34,200	30,800	27,700	25,000	140		
145	73.1	384.9	39,400	34,600	30,500	27,100	75.7	380.7	33,700	30,300	27,400	24,700	145		
150	72.4	383.0	38,600	34,100	30,200	26,800	74.9	378.8	33,100	29,900	27,100	24,400	150		
155	71.6	381.0	38,000	33,500	29,900	26,600	74.1	376.8	32,600	29,500	26,700	24,300	155		
160	70.8	378.9	37,300	33,100	29,400	26,400	73.4	374.7	32,100	29,100	26,400	24,000	160		
165	70.1	376.8	36,700	32,600	29,100	26,100	72.6	372.5	31,600	28,700	26,100	23,700	165		
170	69.3	374.6	36,000	32,100	28,700	25,800	71.8	370.3	31,100	28,300	25,800	23,500	170		
175	68.5	372.2	35,400	31,700	28,400	25,500	71.0	368.0	30,600	27,900	25,500	23,300	175		
180	67.7	369.9	34,800	31,200	28,000	25,200	70.2	365.5	30,000	27,600	25,200	23,000	180		
190	66.1	364.8	33,600	30,300	27,300	24,700	68.5	360.4	28,800	26,800	24,600	22,600	190		
200	64.5	359.4	32,500	29,500	26,700	24,100	66.9	355.0	27,800	26,100	24,000	22,100	200		
210	62.8	353.6	31,400	28,500	26,000	23,700	65.2	349.1	26,800	25,500	23,500	21,600	210		
220	61.1	347.5	30,400	27,800	25,300	23,200	63.5	342.9	25,800	24,800	22,900	21,200	220		
230	59.4	340.9	29,400	27,000	24,700	22,600	61.8	336.2	24,900	24,200	22,500	20,800	230		
240	57.6	333.9	28,600	26,200	24,100	22,200	60.0	329.1	24,200	23,700	22,000	20,400	240		
250	55.9	326.4	27,600	25,500	23,500	21,600	58.2	321.4	23,300	23,100	21,500	20,000	250		
260	54.0	318.3	26,800	24,800	23,000	21,200	56.3	313.3	22,600	22,400	21,100	19,600	260		
270	52.1	309.8	26,000	24,200	22,400	20,700	54.4	304.6	22,000	21,800	20,600	19,200	270		
280	50.2	300.6	25,200	23,600	21,900	20,300	52.4	295.3	21,300	21,100	20,200	18,900	280		
290	48.2	290.8	24,500	22,900	21,300	19,800	50.4	285.3	20,700	20,500	19,800	18,600	290		
300	46.1	280.3	23,900	22,300	20,400	18,200	48.3	274.5	20,200	20,100	19,500	18,300	300		
310	43.9	268.9	23,300	19,500	17,500	15,400	46.0	262.9	19,700	19,500	19,100	17,400	310		
320	41.7	256.7	22,600	16,600	14,700	12,900	43.7	250.3	19,200	18,500	16,600	14,600	320		
330	39.3	243.3	21,000	13,900	12,100	10,400	41.3	236.6	18,700	15,600	13,800	12,000	330		
340	36.7	228.7	17,300	11,300	9,700	8,100	38.6	221.5	18,300	12,800	11,100	9,500	340		
350	34.0	212.6	13,800	8,800	7,300		35.8	204.8	15,600	10,100	8,600	7,100	350		
360	31.1	194.4	10,500	6,500			32.7	185.9	12,000	7,600			360		
370	27.8	173.7	7,300				29.2	164.0	8,500				370		

# MLC650 S-2



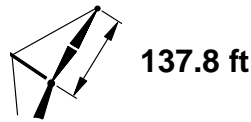
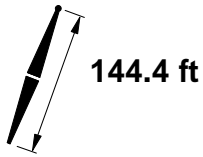
ft	10°						20°						ft
	ft	°	Capacity (lb)				ft	°	Capacity (lb)				
			0°	1°	2°	3°			0°	1°	2°	3°	
50	84.7	249.5	45,200c	36,800c	30,700c	26,200c							50
55	83.5	248.5	43,700b	35,700c	30,100c	25,700c							55
60	82.3	247.4	42,100	34,600b	29,300b	25,000c							60
65	81.1	246.2	40,500	33,500	28,500	24,200c							65
70	79.9	244.9	39,000	32,500	27,700	23,400							70
75	78.7	243.5	37,600	31,400	26,900	22,600	84.2	241.5	30,300	26,200b	23,600c	20,800c	75
80	77.4	241.9	36,200	30,400	26,100	21,800	82.9	239.9	29,200	25,400	22,900b	20,300b	80
85	76.2	240.2	34,800	29,400	25,400	21,000	81.7	238.3	28,100	24,500	22,300	19,700	85
90	74.9	238.4	33,400	28,500	24,700	20,200	80.4	236.5	27,100	23,800	21,700	19,200	90
95	73.7	236.5	32,200	27,500	24,000	19,400	79.1	234.6	26,200	23,100	21,100	18,700	95
100	72.4	234.4	30,900	26,500	23,300	18,600	77.9	232.5	25,300	22,400	20,400	18,200	100
105	71.1	232.3	29,800	25,500	22,600	17,800	76.6	230.3	24,400	21,700	19,700	17,700	105
110	69.8	229.9	28,700	24,500	21,900	17,000	75.3	228.0	23,600	21,000	19,000	17,200	110
115	68.5	227.5	27,600	23,500	21,200	16,200	73.9	225.6	22,800	20,300	18,300	16,700	115
120	67.2	224.9	26,600	22,500	20,500	15,400	72.6	223.0	22,000	19,600	17,600	16,200	120
125	65.9	222.1	25,600	21,500	19,800	14,600	71.2	220.2	21,300	18,900	16,900	15,700	125
130	64.5	219.2	24,700	20,600	19,100	13,800	69.9	217.3	20,600	18,200	16,200	15,000	130
135	63.1	216.1	23,800	19,700	18,400	13,000	68.5	214.2	19,900	17,500	15,500	14,300	135
140	61.7	212.9	22,900	18,900	17,700	12,200	67.1	211.0	19,300	16,800	14,800	13,600	140
145	60.3	209.5	22,100	18,100	17,000	11,400	65.6	207.6	18,600	16,100	14,100	13,000	145
150	58.8	205.9	21,300	17,300	16,300	10,600	64.2	203.9	18,100	15,400	13,400	12,400	150
155	57.4	202.1	20,600	16,500	15,600	9,800	62.7	200.1	17,500	14,700	12,700	11,800	155
160	55.8	198.0	19,900	15,700	14,900	9,000	61.1	196.1	17,000	14,000	12,000	11,200	160
165	54.3	193.8	19,200	15,000	14,200	8,200	59.6	191.9	16,500	13,300	11,300	10,600	165
170	52.7	189.3	18,600	14,300	13,500	7,400	58.0	187.4	16,000	12,600	10,600	10,000	170
175	51.1	184.6	18,000	13,600	12,800	6,600	56.3	182.6	15,500	11,900	9,900	9,400	175
180	49.4	179.6	17,300	13,000	12,100	5,800	54.7	177.6	15,000	11,200	9,200	8,800	180
190	45.9	168.6	16,200	12,100	11,000	5,000	51.1	166.5	14,200	10,400	8,400	8,000	190
200	42.2	156.1	15,200	11,200	10,000	4,200	47.3	153.9	13,400	9,600	7,600	7,200	200
210	38.0	141.7	14,300	10,300	9,100	3,400	43.1	139.3	12,700	8,800	6,800	6,400	210
220	33.4	124.6	13,500	9,400	8,200	2,600	38.3	122.0	12,100	8,000	6,000	5,600	220
230	27.9	103.4	12,700	8,500	7,300	1,800	32.7	100.3	11,700	7,200	5,200	4,800	230
240	20.6	74.1	12,200	8,000	6,800	1,300							240

# MLC650 S-2



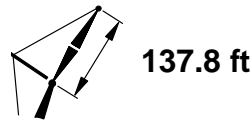
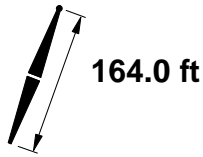
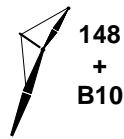
ft	10°						20°						ft	
	°	ft	Capacity (lb)				ft	°	ft	Capacity (lb)				
			0°	1°	2°	3°				0°	1°	2°		3°
55	84.0	268.5	44,200 <sup>b</sup>											55
60	82.9	267.5	42,800	36,200 <sup>c</sup>										60
65	81.8	266.4	41,300	35,100 <sup>b</sup>	30,400 <sup>c</sup>									65
70	80.7	265.2	39,900	34,100	29,700 <sup>b</sup>	26,000 <sup>c</sup>								70
75	79.5	263.9	38,500	33,100	29,000	25,500 <sup>b</sup>	84.6	261.6	30,700					75
80	78.4	262.4	37,200	32,200	28,200	25,000	83.5	260.2	29,700	26,600 <sup>b</sup>				80
85	77.3	260.9	35,900	31,200	27,500	24,500	82.3	258.7	28,700	25,800	23,200 <sup>b</sup>			85
90	76.1	259.2	34,700	30,300	26,700	23,900	81.2	257.0	27,700	25,000	22,600	20,500 <sup>b</sup>		90
95	75.0	257.5	33,400	29,400	26,100	23,300	80.0	255.3	26,800	24,300	22,100	20,100		95
100	73.8	255.6	32,200	28,500	25,400	22,800	78.8	253.4	26,000	23,600	21,500	19,600		100
105	72.6	253.6	31,100	27,700	24,700	22,200	77.7	251.4	25,100	22,900	20,900	19,100		105
110	71.5	251.5	30,000	26,800	24,100	21,700	76.5	249.3	24,300	22,200	20,400	18,700		110
115	70.3	249.2	29,000	26,000	23,400	21,100	75.3	247.1	23,600	21,600	19,800	18,200		115
120	69.1	246.9	28,000	25,200	22,800	20,600	74.0	244.7	22,800	21,000	19,300	17,800		120
125	67.8	244.4	27,000	24,400	22,100	20,100	72.8	242.2	22,100	20,400	18,800	17,300		125
130	66.6	241.8	26,100	23,700	21,500	19,600	71.6	239.6	21,500	19,800	18,300	16,900		130
135	65.4	239.0	25,200	23,000	20,900	19,100	70.3	236.8	20,800	19,200	17,800	16,500		135
140	64.1	236.1	24,400	22,200	20,300	18,600	69.0	233.9	20,200	18,700	17,300	16,100		140
145	62.8	233.0	23,600	21,600	19,800	18,100	67.8	230.8	19,500	18,100	16,800	15,600		145
150	61.5	229.8	22,800	20,900	19,200	17,700	66.4	227.6	19,000	17,600	16,500	15,300		150
155	60.2	226.4	22,100	20,300	18,600	17,200	65.1	224.2	18,400	17,200	16,000	14,900		155
160	58.9	222.8	21,300	19,700	18,200	16,800	63.8	220.6	17,900	16,700	15,600	14,600		160
165	57.5	219.1	20,600	19,100	17,700	16,300	62.4	216.9	17,400	16,300	15,200	14,200		165
170	56.1	215.2	20,000	18,500	17,200	15,900	61.0	212.9	16,900	15,900	14,800	13,900		170
175	54.7	211.0	19,400	18,000	16,700	15,500	59.6	208.8	16,500	15,400	14,400	13,500		175
180	53.3	206.7	18,800	17,400	16,200	15,100	58.1	204.4	16,000	15,000	14,100	13,200		180
190	50.3	197.3	17,600	16,500	15,300	14,300	55.1	195.0	15,200	14,300	13,400	12,600		190
200	47.1	186.9	16,600	15,500	14,500	13,500	51.9	184.5	14,300	13,500	12,800	12,000		200
210	43.8	175.2	15,600	14,700	13,700	12,900	48.5	172.7	13,600	12,900	12,200	11,500		210
220	40.2	161.9	14,700	13,800	13,000	12,300	44.8	159.3	13,000	12,300	11,700	11,000		220
230	36.2	146.6	13,900	13,100	12,400	11,700	40.8	143.8	12,400	11,800	11,100	10,500		230
240	31.7	128.6	13,200	12,500	11,800	11,100	36.2	125.4	11,900	11,300	10,700	10,100		240
250	26.4	106.2	12,500	11,900	11,200	10,700	30.6	102.3	11,500	10,900	10,400	9,800		250
260	19.2	75.1	12,100	11,400	10,900	10,300								260

# MLC650 S-2



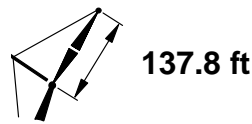
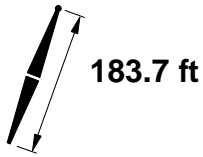
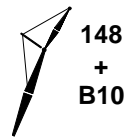
	10°							20°							
	ft	°	ft					°	ft					ft	
				0°	1°	2°	3°			0°	1°	2°	3°		
			lb	lb	lb	lb			lb	lb	lb	lb			
55	84.4	288.5	44,600											55	
60	83.4	287.6	43,300	36,500c										60	
65	82.4	286.5	42,000	35,600	30,600c									65	
70	81.3	285.4	40,600	34,600	30,000b	26,000c								70	
75	80.3	284.2	39,300	33,700	29,400	25,700b	85.0	281.7	31,000					75	
80	79.2	282.8	38,100	32,800	28,700	25,300	84.0	280.4	30,000	26,900b				80	
85	78.2	281.4	36,900	31,900	28,000	24,800	82.9	279.0	29,100	26,100	23,500b			85	
90	77.1	279.9	35,600	31,100	27,400	24,300	81.8	277.4	28,300	25,400	22,900	20,700b		90	
95	76.1	278.2	34,500	30,200	26,600	23,800	80.8	275.8	27,400	24,700	22,400	20,300		95	
100	75.0	276.5	33,400	29,300	26,000	23,300	79.7	274.1	26,500	24,100	21,900	19,900		100	
105	73.9	274.7	32,300	28,500	25,400	22,800	78.6	272.3	25,800	23,400	21,300	19,400		105	
110	72.8	272.7	31,300	27,700	24,800	22,200	77.5	270.3	25,000	22,800	20,800	19,000		110	
115	71.7	270.7	30,200	27,000	24,200	21,700	76.4	268.3	24,300	22,200	20,300	18,600		115	
120	70.6	268.5	29,300	26,200	23,600	21,200	75.3	266.1	23,500	21,600	19,800	18,100		120	
125	69.5	266.2	28,300	25,400	22,900	20,800	74.1	263.8	22,900	21,000	19,300	17,800		125	
130	68.4	263.8	27,400	24,700	22,300	20,300	73.0	261.4	22,200	20,500	18,800	17,400		130	
135	67.3	261.3	26,600	24,000	21,800	19,800	71.9	258.9	21,600	19,900	18,400	16,900		135	
140	66.1	258.6	25,700	23,300	21,200	19,300	70.7	256.2	21,000	19,400	18,000	16,600		140	
145	64.9	255.9	24,900	22,700	20,700	18,900	69.5	253.4	20,400	18,900	17,500	16,200		145	
150	63.8	252.9	24,200	22,000	20,100	18,500	68.3	250.5	19,800	18,400	17,100	15,900		150	
155	62.6	249.9	23,400	21,400	19,600	18,000	67.1	247.5	19,300	17,900	16,600	15,500		155	
160	61.4	246.7	22,700	20,800	19,100	17,600	65.9	244.2	18,800	17,400	16,300	15,100		160	
165	60.2	243.3	22,000	20,200	18,600	17,200	64.7	240.9	18,200	17,000	15,800	14,800		165	
170	58.9	239.8	21,300	19,700	18,100	16,700	63.4	237.4	17,800	16,600	15,500	14,500		170	
175	57.7	236.1	20,700	19,100	17,600	16,400	62.2	233.7	17,300	16,200	15,100	14,200		175	
180	56.4	232.3	20,100	18,600	17,200	16,000	60.9	229.8	16,900	15,800	14,800	13,800		180	
190	53.8	224.0	18,900	17,600	16,400	15,200	58.2	221.5	16,000	15,000	14,100	13,200		190	
200	51.0	215.0	17,900	16,700	15,500	14,400	55.4	212.4	15,200	14,300	13,400	12,600		200	
210	48.2	204.9	16,900	15,800	14,700	13,800	52.5	202.3	14,500	13,700	12,900	12,100		210	
220	45.1	193.8	15,900	14,900	14,000	13,100	49.5	191.1	13,800	13,100	12,300	11,600		220	
230	41.9	181.4	15,100	14,200	13,300	12,500	46.2	178.5	13,300	12,500	11,800	11,100		230	
240	38.4	167.4	14,300	13,500	12,700	12,000	42.6	164.4	12,700	12,000	11,300	10,700		240	
250	34.6	151.3	13,600	12,900	12,100	11,400	38.7	148.0	12,200	11,500	10,900	10,300		250	
260	30.2	132.4	13,000	12,300	11,600	11,000	34.2	128.6	11,800	11,200	10,600	10,100		260	
270	25.0	108.8	12,500	11,700	11,100	10,600	28.8	104.2	11,400	10,900	10,300	9,800		270	
280	18.1	75.9	12,000	11,400	10,800	10,300								280	

# MLC650 S-2



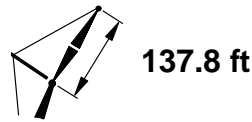
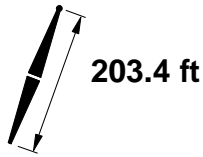
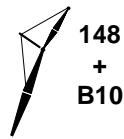
	10°						20°							
	ft	°	ft					ft	°					
				0°	1°	2°	3°			0°	1°	2°		3°
			lb	lb	lb	lb			lb	lb	lb	lb		
55	84.8	308.4	45,000											55
60	83.8	307.5	43,700											60
65	82.9	306.6	42,500	35,900										65
70	81.9	305.5	41,200	35,000	30,200									70
75	80.9	304.4	40,100	34,100	29,600	25,800 <b>b</b>								75
80	80.0	303.1	38,900	33,300	29,100	25,400	84.4	300.5	30,400	25,400				80
85	79.0	301.8	37,700	32,500	28,500	25,000	83.4	299.2	29,500	26,400				85
90	78.0	300.4	36,500	31,600	27,800	24,600	82.4	297.8	28,700	25,700	23,200			90
95	77.0	298.9	35,400	30,900	27,200	24,200	81.4	296.2	27,900	25,100	22,700	20,500		95
100	76.0	297.3	34,400	30,100	26,500	23,700	80.4	294.6	27,000	24,400	22,200	20,100		100
105	75.0	295.6	33,300	29,300	26,000	23,200	79.4	292.9	26,300	23,900	21,700	19,700		105
110	74.0	293.8	32,300	28,500	25,400	22,700	78.4	291.1	25,600	23,300	21,200	19,300		110
115	73.0	291.9	31,300	27,800	24,800	22,300	77.3	289.2	24,900	22,700	20,700	18,900		115
120	72.0	289.9	30,400	27,000	24,200	21,700	76.3	287.2	24,200	22,100	20,200	18,500		120
125	70.9	287.7	29,500	26,300	23,700	21,300	75.3	285.1	23,500	21,600	19,800	18,200		125
130	69.9	285.5	28,600	25,700	23,100	20,900	74.2	282.9	22,900	21,000	19,300	17,800		130
135	68.9	283.2	27,800	25,000	22,600	20,400	73.2	280.6	22,300	20,500	18,900	17,400		135
140	67.8	280.8	26,900	24,300	22,000	20,000	72.1	278.2	21,700	20,000	18,500	17,000		140
145	66.7	278.2	26,100	23,700	21,500	19,600	71.0	275.6	21,200	19,500	18,100	16,700		145
150	65.7	275.5	25,400	23,100	21,000	19,100	69.9	272.9	20,600	19,000	17,700	16,300		150
155	64.6	272.8	24,600	22,500	20,500	18,700	68.8	270.1	20,000	18,600	17,200	16,000		155
160	63.5	269.8	23,900	21,900	20,000	18,300	67.7	267.2	19,500	18,100	16,800	15,600		160
165	62.4	266.8	23,300	21,300	19,500	17,900	66.6	264.1	19,100	17,700	16,500	15,300		165
170	61.3	263.6	22,600	20,700	19,000	17,500	65.5	260.9	18,600	17,300	16,100	15,000		170
175	60.1	260.3	22,000	20,200	18,600	17,100	64.3	257.6	18,100	16,900	15,800	14,700		175
180	59.0	256.8	21,300	19,700	18,100	16,700	63.2	254.1	17,700	16,500	15,400	14,400		180
190	56.6	249.4	20,200	18,600	17,300	16,000	60.8	246.7	16,900	15,700	14,700	13,800		190
200	54.2	241.3	19,100	17,800	16,500	15,200	58.3	238.5	16,000	15,000	14,100	13,200		200
210	51.6	232.5	18,100	16,900	15,700	14,600	55.8	229.7	15,300	14,400	13,500	12,700		210
220	49.0	222.8	17,100	16,000	14,900	14,000	53.1	219.9	14,600	13,800	12,900	12,200		220
230	46.2	212.2	16,300	15,200	14,300	13,300	50.3	209.2	14,000	13,200	12,500	11,800		230
240	43.3	200.5	15,500	14,500	13,600	12,800	47.3	197.4	13,400	12,700	11,900	11,300		240
250	40.2	187.4	14,700	13,800	13,000	12,200	44.1	184.2	12,900	12,200	11,500	10,900		250
260	36.8	172.7	14,100	13,200	12,400	11,700	40.7	169.2	12,400	11,800	11,100	10,500		260
270	33.1	155.8	13,400	12,600	11,900	11,200	36.9	152.0	12,000	11,400	10,800	10,200		270
280	28.9	135.9	12,800	12,100	11,500	10,900	32.5	131.6	11,600	11,000	10,500	10,000		280
290	23.8	111.2	12,400	11,700	11,000	10,500	27.3	105.9	11,400	10,900	10,300	9,700		290
300	17.0	76.5	12,000	11,400	10,800	10,200								300

# MLC650 S-2



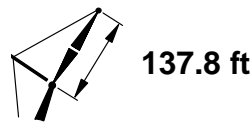
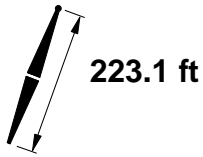
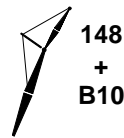
ft	10°							20°							ft
	°	ft	Lift Capacity (lb)				°	ft	Lift Capacity (lb)						
			0°	1°	2°	3°			0°	1°	2°	3°			
60	84.2	327.5	44,200											60	
65	83.3	326.6	42,900	36,200										65	
70	82.4	325.6	41,800	35,400	30,400									70	
75	81.5	324.5	40,700	34,600	29,900	25,800b								75	
80	80.6	323.4	39,600	33,700	29,400	25,700	84.7	320.5	30,700					80	
85	79.7	322.1	38,400	32,900	28,800	25,200	83.8	319.3	29,800	26,600				85	
90	78.8	320.8	37,400	32,200	28,200	24,900	82.9	318.0	29,000	26,000	23,400			90	
95	77.8	319.4	36,400	31,500	27,600	24,400	81.9	316.6	28,300	25,400	22,900	20,700		95	
100	76.9	317.9	35,300	30,700	27,000	24,100	81.0	315.1	27,500	24,800	22,400	20,300		100	
105	76.0	316.3	34,300	30,000	26,500	23,600	80.1	313.5	26,800	24,200	22,000	19,900		105	
110	75.0	314.6	33,300	29,300	25,900	23,100	79.1	311.8	26,100	23,700	21,500	19,500		110	
115	74.1	312.8	32,400	28,500	25,400	22,700	78.2	310.1	25,400	23,100	21,000	19,200		115	
120	73.1	311.0	31,400	27,900	24,800	22,300	77.2	308.2	24,800	22,600	20,600	18,800		120	
125	72.2	309.0	30,500	27,200	24,300	21,800	76.2	306.2	24,100	22,000	20,200	18,500		125	
130	71.2	307.0	29,700	26,500	23,700	21,400	75.3	304.2	23,500	21,600	19,700	18,100		130	
135	70.3	304.8	28,800	25,900	23,200	21,000	74.3	302.0	22,900	21,000	19,300	17,700		135	
140	69.3	302.5	28,100	25,200	22,800	20,500	73.3	299.8	22,300	20,600	18,900	17,400		140	
145	68.3	300.2	27,300	24,600	22,200	20,100	72.3	297.4	21,800	20,100	18,500	17,100		145	
150	67.3	297.7	26,500	24,000	21,700	19,700	71.3	294.9	21,300	19,600	18,100	16,800		150	
155	66.3	295.1	25,800	23,400	21,300	19,300	70.3	292.4	20,800	19,200	17,800	16,400		155	
160	65.3	292.5	25,100	22,800	20,700	18,900	69.3	289.7	20,300	18,700	17,400	16,100		160	
165	64.3	289.6	24,400	22,300	20,300	18,600	68.2	286.8	19,800	18,400	17,000	15,800		165	
170	63.2	286.7	23,800	21,700	19,800	18,200	67.2	283.9	19,300	17,900	16,600	15,400		170	
175	62.2	283.7	23,100	21,200	19,400	17,800	66.2	280.9	18,900	17,600	16,300	15,100		175	
180	61.1	280.5	22,500	20,700	19,000	17,400	65.1	277.7	18,400	17,200	16,000	14,800		180	
190	59.0	273.8	21,400	19,700	18,100	16,700	62.9	270.9	17,600	16,400	15,300	14,300		190	
200	56.8	266.5	20,200	18,800	17,300	16,100	60.7	263.6	16,800	15,700	14,700	13,800		200	
210	54.5	258.5	19,300	17,900	16,500	15,300	58.4	255.6	16,000	15,100	14,100	13,200		210	
220	52.2	249.9	18,300	17,000	15,800	14,700	56.0	246.9	15,400	14,500	13,600	12,800		220	
230	49.7	240.6	17,400	16,200	15,100	14,100	53.5	237.5	14,700	13,900	13,100	12,300		230	
240	47.2	230.3	16,600	15,500	14,500	13,500	51.0	227.2	14,200	13,400	12,600	11,800		240	
250	44.5	219.2	15,800	14,800	13,900	13,000	48.3	215.9	13,600	12,900	12,100	11,400		250	
260	41.7	206.8	15,000	14,100	13,300	12,500	45.4	203.4	13,100	12,400	11,700	11,100		260	
270	38.7	193.1	14,400	13,500	12,700	12,000	42.3	189.5	12,600	11,900	11,300	10,700		270	
280	35.4	177.7	13,800	13,000	12,200	11,600	39.0	173.8	12,200	11,600	10,900	10,400		280	
290	31.8	160.1	13,200	12,500	11,800	11,100	35.3	155.8	11,800	11,200	10,600	10,100		290	
300	27.7	139.3	12,700	12,000	11,300	10,800	31.0	134.4	11,500	10,900	10,400	9,900		300	
310	22.8	113.5	12,200	11,600	11,000	10,400	25.8	107.4	11,300	10,800	10,200	9,800		310	
320	16.0	77.0	12,000	11,400	10,800	10,200								320	

# MLC650 S-2



	10°						20°								
	ft	°	ft	661,300 lb				ft	°	ft	661,300 lb				
				0°	1°	2°	3°				0°	1°		2°	3°
ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
60	84.6	347.4	44,400											60	
65	83.7	346.5	43,300	36,400										65	
70	82.9	345.6	42,300	35,600										70	
75	82.0	344.6	41,200	34,800	30,000									75	
80	81.1	343.5	40,100	34,100	29,600	25,500	85.0	340.5	30,900					80	
85	80.3	342.4	39,100	33,400	29,100	25,300	84.2	339.4	30,100					85	
90	79.4	341.1	38,000	32,700	28,500	25,000	83.3	338.2	29,400	26,300				90	
95	78.6	339.8	37,000	31,900	27,900	24,600	82.4	336.8	28,700	25,700	23,100			95	
100	77.7	338.4	36,100	31,300	27,400	24,300	81.5	335.4	27,900	25,100	22,600	20,400		100	
105	76.8	336.9	35,100	30,600	26,900	23,900	80.7	333.9	27,200	24,500	22,200	20,100		105	
110	75.9	335.3	34,200	29,800	26,300	23,500	79.8	332.4	26,500	24,000	21,700	19,700		110	
115	75.0	333.7	33,200	29,200	25,800	23,100	78.9	330.7	25,900	23,500	21,300	19,400		115	
120	74.2	331.9	32,400	28,600	25,300	22,600	78.0	329.0	25,300	23,000	20,900	19,000		120	
125	73.3	330.1	31,500	27,900	24,800	22,200	77.1	327.2	24,700	22,500	20,500	18,700		125	
130	72.4	328.2	30,700	27,200	24,300	21,800	76.2	325.2	24,100	22,000	20,100	18,400		130	
135	71.5	326.2	29,900	26,600	23,800	21,400	75.3	323.2	23,500	21,500	19,700	18,100		135	
140	70.6	324.0	29,100	26,000	23,300	21,000	74.3	321.1	23,000	21,000	19,300	17,800		140	
145	69.6	321.8	28,300	25,400	22,900	20,600	73.4	318.9	22,400	20,600	19,000	17,400		145	
150	68.7	319.6	27,600	24,800	22,400	20,200	72.5	316.6	21,900	20,200	18,600	17,100		150	
155	67.8	317.2	26,900	24,200	21,900	19,900	71.6	314.2	21,400	19,700	18,200	16,700		155	
160	66.8	314.7	26,200	23,700	21,500	19,500	70.6	311.7	21,000	19,300	17,900	16,500		160	
165	65.9	312.1	25,500	23,100	21,000	19,100	69.7	309.1	20,500	18,900	17,500	16,200		165	
170	65.0	309.4	24,800	22,600	20,600	18,700	68.7	306.4	20,000	18,500	17,200	15,900		170	
175	64.0	306.6	24,200	22,100	20,200	18,400	67.7	303.6	19,500	18,100	16,800	15,600		175	
180	63.0	303.6	23,600	21,600	19,700	18,100	66.7	300.7	19,100	17,700	16,400	15,300		180	
190	61.0	297.4	22,400	20,600	18,900	17,300	64.7	294.4	18,300	17,000	15,800	14,800		190	
200	59.0	290.7	21,400	19,700	18,100	16,700	62.7	287.7	17,500	16,300	15,200	14,300		200	
210	57.0	283.5	20,400	18,800	17,400	16,000	60.6	280.4	16,700	15,700	14,700	13,800		210	
220	54.8	275.7	19,300	17,900	16,600	15,400	58.5	272.6	16,100	15,000	14,100	13,200		220	
230	52.6	267.3	18,500	17,200	16,000	14,800	56.2	264.1	15,500	14,500	13,600	12,800		230	
240	50.4	258.2	17,600	16,400	15,300	14,200	53.9	255.0	14,900	14,000	13,100	12,300		240	
250	48.0	248.3	16,800	15,700	14,700	13,700	51.6	245.0	14,300	13,400	12,600	11,900		250	
260	45.5	237.6	16,100	15,100	14,100	13,200	49.1	234.1	13,800	13,000	12,200	11,500		260	
270	43.0	225.8	15,400	14,400	13,600	12,700	46.4	222.3	13,300	12,600	11,800	11,200		270	
280	40.2	212.9	14,700	13,800	13,000	12,200	43.6	209.2	12,800	12,100	11,500	10,900		280	
290	37.3	198.6	14,200	13,300	12,500	11,700	40.7	194.6	12,400	11,800	11,100	10,500		290	
300	34.1	182.5	13,600	12,800	12,000	11,300	37.4	178.3	12,000	11,400	10,800	10,200		300	
310	30.6	164.1	13,000	12,300	11,600	11,000	33.8	159.4	11,800	11,200	10,600	10,100		310	
320	26.6	142.5	12,600	11,900	11,300	10,700	29.6	137.0	11,500	10,900	10,400	9,900		320	
330	21.8	115.5	12,200	11,500	10,900	10,400								330	

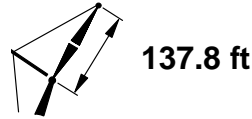
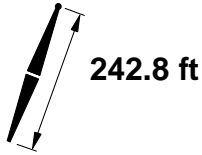
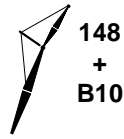
# MLC650 S-2



ft	10°							20°							ft
	°	ft	0°				°	ft	0°						
			lb	lb	lb	lb			lb	lb	lb	lb			
60	84.9	367.3	44,600											60	
65	84.1	366.5	43,500											65	
70	83.3	365.6	42,600	35,800										70	
75	82.4	364.6	41,500	35,100	30,100									75	
80	81.6	363.6	40,600	34,400	29,600	25,400								80	
85	80.8	362.5	39,600	33,700	29,200	25,300	84.5	359.4	30,300	25,300				85	
90	80.0	361.4	38,600	33,000	28,700	25,100	83.7	358.3	29,600	26,400				90	
95	79.2	360.1	37,600	32,300	28,300	24,800	82.9	357.0	28,900	25,900	23,200			95	
100	78.4	358.8	36,700	31,600	27,700	24,500	82.0	355.7	28,200	25,400	22,800	20,600		100	
105	77.6	357.4	35,800	31,000	27,200	24,100	81.2	354.3	27,600	24,800	22,400	20,200		105	
110	76.7	355.9	34,900	30,400	26,700	23,700	80.4	352.8	27,000	24,300	22,000	19,900		110	
115	75.9	354.3	34,000	29,700	26,200	23,300	79.5	351.3	26,300	23,800	21,600	19,600		115	
120	75.1	352.7	33,200	29,100	25,700	23,000	78.7	349.6	25,700	23,300	21,200	19,300		120	
125	74.2	351.0	32,400	28,500	25,200	22,600	77.8	347.9	25,100	22,900	20,800	18,900		125	
130	73.4	349.2	31,600	27,900	24,700	22,200	77.0	346.1	24,600	22,400	20,400	18,600		130	
135	72.5	347.3	30,800	27,300	24,300	21,800	76.1	344.2	24,000	21,900	20,000	18,300		135	
140	71.7	345.3	30,000	26,700	23,800	21,400	75.3	342.3	23,500	21,500	19,700	18,000		140	
145	70.8	343.3	29,200	26,100	23,400	21,000	74.4	340.2	23,000	21,100	19,300	17,700		145	
150	70.0	341.1	28,600	25,600	22,900	20,700	73.5	338.1	22,500	20,600	18,900	17,400		150	
155	69.1	338.9	27,900	25,000	22,500	20,300	72.7	335.8	22,000	20,200	18,600	17,100		155	
160	68.2	336.6	27,200	24,400	22,100	20,000	71.8	333.5	21,500	19,800	18,300	16,800		160	
165	67.3	334.1	26,500	23,900	21,600	19,600	70.9	331.1	21,000	19,400	17,900	16,600		165	
170	66.4	331.6	25,900	23,400	21,200	19,300	70.0	328.5	20,700	19,000	17,600	16,200		170	
175	65.6	329.0	25,300	22,900	20,800	18,900	69.1	325.9	20,200	18,700	17,300	15,900		175	
180	64.6	326.3	24,600	22,400	20,400	18,600	68.2	323.2	19,700	18,200	16,900	15,700		180	
190	62.8	320.5	23,500	21,400	19,600	17,900	66.3	317.4	18,900	17,600	16,300	15,200		190	
200	61.0	314.4	22,400	20,500	18,800	17,300	64.4	311.2	18,200	16,900	15,700	14,600		200	
210	59.1	307.7	21,400	19,700	18,100	16,700	62.5	304.5	17,400	16,300	15,200	14,100		210	
220	57.1	300.6	20,400	18,800	17,400	16,000	60.5	297.3	16,700	15,700	14,700	13,700		220	
230	55.1	292.9	19,500	18,100	16,700	15,500	58.5	289.6	16,100	15,100	14,100	13,200		230	
240	53.0	284.6	18,600	17,300	16,000	14,900	56.4	281.3	15,500	14,500	13,600	12,800		240	
250	50.9	275.7	17,800	16,600	15,400	14,300	54.3	272.4	14,900	14,000	13,200	12,400		250	
260	48.7	266.1	17,100	15,900	14,900	13,800	52.1	262.7	14,400	13,600	12,800	12,000		260	
270	46.4	255.8	16,400	15,300	14,300	13,400	49.7	252.2	13,900	13,100	12,300	11,600		270	
280	44.1	244.5	15,600	14,700	13,800	12,800	47.3	240.8	13,400	12,700	11,900	11,300		280	
290	41.5	232.2	15,000	14,100	13,300	12,400	44.8	228.4	13,000	12,300	11,600	11,000		290	
300	38.9	218.8	14,500	13,600	12,700	12,000	42.1	214.7	12,600	11,900	11,200	10,600		300	
310	36.0	203.9	13,900	13,100	12,300	11,600	39.2	199.6	12,300	11,600	11,000	10,400		310	
320	32.9	187.1	13,400	12,600	11,900	11,200	36.0	182.5	11,900	11,300	10,700	10,100		320	
330	29.5	168.0	12,900	12,200	11,500	10,900	32.5	162.9	11,600	11,000	10,500	10,000		330	
340	25.6	145.5	12,500	11,800	11,200	10,600	28.4	139.5	11,400	10,800	10,300	9,800		340	
350	20.9	117.4	12,200	11,600	10,900	10,300								350	

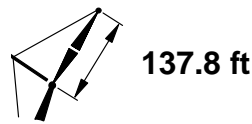
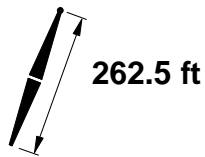
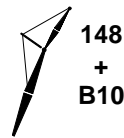


# MLC650 S-2



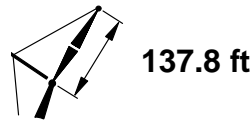
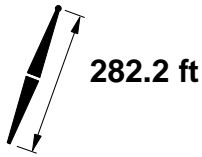
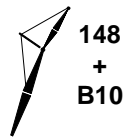
	10°							20°							
	ft	°	ft	0°				ft	°	ft	0°				ft
				lb	lb	lb	lb				lb	lb	lb	lb	
65	84.4		386.4	43,700											65
70	83.6		385.6	42,800											70
75	82.8		384.7	41,900											75
80	82.1		383.7	41,000											80
85	81.3		382.6	40,000											85
90	80.5		381.5	39,100											90
95	79.8		380.4	38,200											95
100	79.0		379.1	37,300											100
105	78.2		377.8	36,400											105
110	77.4		376.4	35,600											110
115	76.7		374.9	34,800											115
120	75.9		373.4	34,000											120
125	75.1		371.7	33,100											125
130	74.3		370.0	32,300											130
135	73.5		368.3	31,600											135
140	72.7		366.4	30,900											140
145	71.9		364.5	30,100											145
150	71.1		362.5	29,400											150
155	70.2		360.4	28,700											155
160	69.4		358.2	28,100											160
165	68.6		355.9	27,500											165
170	67.8		353.6	26,800											170
175	66.9		351.1	26,200											175
180	66.1		348.6	25,600											180
190	64.4		343.2	24,400											190
200	62.6		337.4	23,400											200
210	60.9		331.3	22,300											210
220	59.1		324.7	21,400											220
230	57.2		317.6	20,400											230
240	55.3		310.0	19,700											240
250	53.4		301.9	18,800											250
260	51.4		293.2	18,000											260
270	49.4		283.9	17,300											270
280	47.2		273.8	16,600											280
290	45.0		263.0	15,900											290
300	42.7		251.2	15,300											300
310	40.2		238.4	14,700											310
320	37.7		224.4	14,200											320
330	34.9		208.9	13,700											330
340	31.9		191.5	13,200											340
350	28.5		171.7	12,800											350
360	24.7		148.3	12,500											360
370	20.1		119.2	12,100											370

# MLC650 S-2



ft	10°							20°							ft
	°	ft	0°				°	ft	0°						
			lb	lb	lb	lb			lb	lb	lb	lb			
65	84.7	406.3	44,000											65	
70	83.9	405.5	43,000											70	
75	83.2	404.6	42,100	35,400										75	
80	82.5	403.7	41,300	34,800	29,600									80	
85	81.7	402.7	40,400	34,100	29,300	24,900	85.1	399.4	30,700					85	
90	81.0	401.7	39,500	33,500	29,000	24,800	84.3	398.4	30,000					90	
95	80.3	400.6	38,700	32,900	28,500	24,700	83.6	397.2	29,500	26,200				95	
100	79.5	399.4	37,800	32,300	28,100	24,600	82.8	396.1	28,800	25,700	23,000			100	
105	78.8	398.1	37,000	31,700	27,700	24,300	82.1	394.8	28,200	25,300	22,600	20,400		105	
110	78.1	396.8	36,200	31,100	27,200	24,000	81.3	393.5	27,600	24,800	22,300	20,100		110	
115	77.3	395.4	35,400	30,600	26,800	23,700	80.6	392.1	27,100	24,300	21,900	19,800		115	
120	76.6	393.9	34,600	30,000	26,300	23,400	79.8	390.6	26,500	23,900	21,600	19,500		120	
125	75.8	392.4	33,900	29,500	25,900	23,100	79.1	389.1	26,000	23,400	21,200	19,300		125	
130	75.1	390.8	33,100	28,900	25,500	22,700	78.3	387.5	25,500	23,000	20,900	19,000		130	
135	74.3	389.1	32,400	28,400	25,000	22,400	77.6	385.8	24,900	22,600	20,600	18,700		135	
140	73.6	387.4	31,600	27,800	24,600	22,000	76.8	384.1	24,400	22,200	20,200	18,400		140	
145	72.8	385.5	30,900	27,300	24,300	21,700	76.0	382.2	24,000	21,800	19,900	18,100		145	
150	72.0	383.6	30,200	26,800	23,800	21,300	75.3	380.3	23,500	21,400	19,500	17,900		150	
155	71.3	381.7	29,600	26,200	23,500	21,000	74.5	378.4	23,000	21,000	19,200	17,600		155	
160	70.5	379.6	28,900	25,800	23,100	20,700	73.7	376.3	22,500	20,700	18,900	17,400		160	
165	69.7	377.5	28,300	25,300	22,600	20,400	72.9	374.2	22,100	20,300	18,600	17,100		165	
170	68.9	375.2	27,700	24,800	22,300	20,100	72.1	371.9	21,700	20,000	18,300	16,800		170	
175	68.2	372.9	27,100	24,300	21,900	19,800	71.3	369.6	21,300	19,600	18,000	16,600		175	
180	67.4	370.5	26,500	23,800	21,500	19,500	70.5	367.2	20,900	19,200	17,700	16,300		180	
190	65.8	365.5	25,300	22,900	20,800	18,800	68.9	362.2	20,000	18,500	17,100	15,800		190	
200	64.1	360.1	24,300	22,000	20,100	18,300	67.3	356.8	19,300	17,900	16,600	15,400		200	
210	62.5	354.4	23,300	21,200	19,400	17,700	65.6	351.0	18,600	17,300	16,100	14,900		210	
220	60.8	348.2	22,300	20,400	18,700	17,100	63.9	344.8	18,000	16,700	15,600	14,500		220	
230	59.1	341.6	21,400	19,600	18,100	16,600	62.2	338.2	17,400	16,200	15,000	14,000		230	
240	57.3	334.6	20,600	18,900	17,400	16,100	60.4	331.2	16,700	15,600	14,600	13,600		240	
250	55.6	327.1	19,700	18,200	16,800	15,500	58.6	323.6	16,200	15,200	14,100	13,200		250	
260	53.7	319.1	19,000	17,600	16,300	15,100	56.8	315.6	15,600	14,600	13,800	12,800		260	
270	51.8	310.6	18,200	16,900	15,600	14,600	54.9	307.0	15,100	14,200	13,300	12,500		270	
280	49.9	301.5	17,500	16,300	15,100	14,100	52.9	297.8	14,600	13,700	12,900	12,100		280	
290	47.9	291.7	16,900	15,700	14,600	13,600	50.9	287.9	14,200	13,400	12,500	11,800		290	
300	45.8	281.2	16,200	15,200	14,100	13,200	48.8	277.3	13,700	13,000	12,200	11,500		300	
310	43.7	269.9	15,600	14,600	13,700	12,800	46.6	265.9	13,400	12,600	11,800	11,100		310	
320	41.4	257.7	15,000	14,100	13,200	12,400	44.3	253.5	12,900	12,200	11,600	10,900		320	
330	39.0	244.4	14,600	13,600	12,800	12,000	41.9	240.0	12,600	11,900	11,200	10,600		330	
340	36.5	229.8	14,000	13,200	12,400	11,600	39.3	225.3	12,300	11,600	11,000	10,400		340	
350	33.8	213.8	13,600	12,800	12,000	11,300	36.5	208.9	12,000	11,300	10,700	10,200		350	
360	30.9	195.8	13,100	12,400	11,100	9,800	33.5	190.5	11,800	11,200	10,600	10,000		360	
370	27.6	175.3	12,700	10,300	9,000	7,800	30.1	169.3	11,600	11,000	10,100	8,800		370	
380	23.9	151.1	12,400	8,100	7,000		26.2	144.1	11,300	8,900	7,800	6,600		380	

# MLC650 S-2



	10°						20°								
	ft	°	ft	661,300 lb				ft	°	ft	661,300 lb				
				0°	1°	2°	3°				0°	1°		2°	3°
70	84.2	425.4	43,200											70	
75	83.5	424.6	42,300	35,300										75	
80	82.8	423.7	41,500	34,800	29,600									80	
85	82.1	422.8	40,700	34,200	29,200									85	
90	81.4	421.8	39,900	33,700	28,900	24,500	84.6	418.3	30,200					90	
95	80.7	420.7	39,100	33,100	28,500	24,500	83.9	417.3	29,700	26,300				95	
100	80.0	419.6	38,300	32,500	28,200	24,500	83.2	416.2	29,000	25,800				100	
105	79.3	418.4	37,500	32,000	27,800	24,200	82.5	415.0	28,500	25,400	22,700			105	
110	78.6	417.1	36,700	31,400	27,400	24,000	81.8	413.7	28,000	25,000	22,400	20,200		110	
115	77.9	415.8	36,000	30,900	27,000	23,700	81.1	412.4	27,400	24,500	22,100	19,900		115	
120	77.2	414.4	35,200	30,400	26,600	23,500	80.3	411.0	26,900	24,100	21,700	19,600		120	
125	76.5	413.0	34,500	29,900	26,100	23,200	79.6	409.6	26,400	23,700	21,400	19,400		125	
130	75.8	411.4	33,800	29,300	25,700	22,900	78.9	408.0	25,800	23,300	21,000	19,100		130	
135	75.1	409.8	33,100	28,800	25,300	22,600	78.2	406.5	25,300	22,900	20,700	18,800		135	
140	74.4	408.2	32,300	28,300	24,900	22,300	77.5	404.8	24,800	22,500	20,400	18,600		140	
145	73.7	406.4	31,700	27,800	24,500	22,000	76.7	403.1	24,400	22,100	20,100	18,300		145	
150	72.9	404.6	31,000	27,300	24,200	21,600	76.0	401.3	23,900	21,800	19,800	18,100		150	
155	72.2	402.8	30,300	26,800	23,800	21,300	75.3	399.4	23,500	21,400	19,500	17,800		155	
160	71.5	400.8	29,700	26,300	23,400	21,000	74.5	397.4	23,000	21,000	19,200	17,500		160	
165	70.7	398.8	29,100	25,900	23,100	20,700	73.8	395.4	22,600	20,700	18,900	17,300		165	
170	70.0	396.7	28,500	25,400	22,700	20,400	73.0	393.3	22,200	20,300	18,600	17,100		170	
175	69.3	394.5	27,900	24,900	22,300	20,100	72.3	391.1	21,800	20,000	18,300	16,800		175	
180	68.5	392.3	27,300	24,500	22,000	19,800	71.5	388.9	21,300	19,700	18,000	16,500		180	
190	67.0	387.5	26,200	23,600	21,300	19,200	70.0	384.1	20,700	19,000	17,500	16,100		190	
200	65.5	382.5	25,200	22,700	20,600	18,700	68.5	379.0	19,900	18,300	16,900	15,600		200	
210	63.9	377.1	24,100	21,900	19,900	18,100	66.9	373.6	19,200	17,800	16,500	15,200		210	
220	62.3	371.3	23,200	21,100	19,300	17,600	65.3	367.8	18,600	17,200	16,000	14,800		220	
230	60.7	365.1	22,300	20,400	18,600	17,000	63.7	361.6	17,900	16,600	15,500	14,300		230	
240	59.1	358.6	21,400	19,600	18,000	16,500	62.1	355.1	17,300	16,100	15,000	14,000		240	
250	57.5	351.6	20,600	18,900	17,400	16,000	60.4	348.1	16,800	15,600	14,600	13,600		250	
260	55.8	344.2	19,900	18,200	16,900	15,600	58.7	340.6	16,200	15,200	14,200	13,200		260	
270	54.0	336.4	19,100	17,600	16,300	15,100	56.9	332.7	15,700	14,700	13,800	12,900		270	
280	52.2	328.0	18,400	17,000	15,800	14,600	55.1	324.3	15,200	14,300	13,400	12,500		280	
290	50.4	319.0	17,700	16,400	15,200	14,200	53.3	315.2	14,700	13,800	13,000	12,200		290	
300	48.5	309.5	17,100	15,900	14,800	13,700	51.4	305.6	14,300	13,400	12,600	11,900		300	
310	46.6	299.3	16,400	15,400	14,300	13,300	49.4	295.3	13,900	13,100	12,300	11,600		310	
320	44.6	288.4	15,900	14,900	13,800	12,900	47.3	284.3	13,500	12,700	12,000	11,300		320	
330	42.5	276.6	15,300	14,400	13,400	12,200	45.2	272.4	13,100	12,400	11,700	11,000		330	
340	40.3	263.9	14,800	13,400	11,600	9,900	43.0	259.5	12,800	12,100	11,400	10,700		340	
350	37.9	250.2	14,300	11,000	9,400	7,800	40.6	245.6	12,500	11,800	11,100	9,500		350	
360	35.5	235.1	13,600	8,700	7,200		38.1	230.2	12,200	10,400	8,800	7,300		360	
370	32.8	218.5	10,600	6,500			35.4	213.3	11,900	8,000	6,500			370	
380	29.9	199.9	7,600				32.4	194.2	9,300					380	