


Liftcrane Jib Capacities

Jib No. 148 on
 Boom No. B10:680
 440,900 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 1

 **LIFTING CAPACITIES:** Chart supplements Boom Capacity chart No. 9441-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 440,900 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	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600
203.4	16,200	16,200	16,200	16,200	16,200	16,200	16,200	#	16,200	#	#	#
223.1	#	#	#	#	#	#	#	#	#	#	#	#
242.8	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	22,600	22,600
183.7	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600
203.4	#	#	#	#	#	#	#	#	#	#	#	#
223.1	#	#	#	#	#	#	#	#	#	#	#	#
242.8	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	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600
203.4	16,200	16,200	16,200	16,200	16,200	16,200	16,200	#	16,200	#	#	#
223.1	#	#	#	#	#	#	#	#	#	#	#	#
242.8	#	#	#	#	#	#	#	#	#	#	#	#

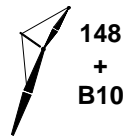
Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. *Crane tipping or structural damage can occur.*

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	22,600	22,600
183.7	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600	22,600
203.4	#	#	#	#	#	#	#	#	#	#	#	#
223.1	#	#	#	#	#	#	#	#	#	#	#	#
242.8	#	#	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



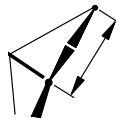
VPC (Variable Position Counterweight)



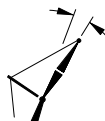
360 Degree Rating



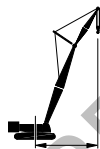
Boom Length



Jib Length



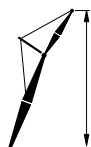
Jib Offset Angle



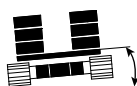
Operating Radius
(see page 1)



Boom Angle
(see page 1)



Jib Point Elevation
(see page 1)

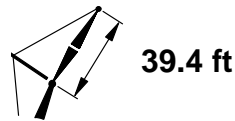
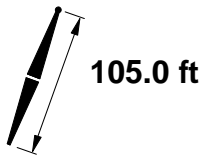


Machine List



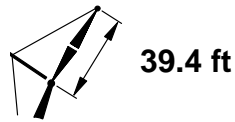
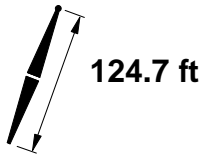
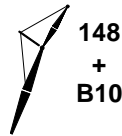
Lifting Capacities
(see page 1)

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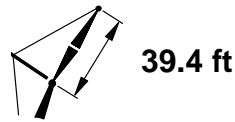
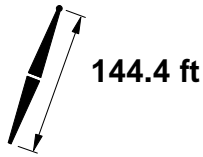
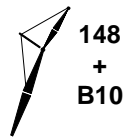
		10°						20°										
	ft	°	ft	0° lb	1° lb	2° lb	3° lb		ft	°	ft	0° lb	1° lb	2° lb	3° lb		ft	
28	84.8		153.5	143,300d														28
30	84.0		153.2	143,300c														30
32	83.2		152.8	143,300c	139,800d													32
34	82.4		152.4	143,300c	139,300d			84.8	151.0			143,300c						34
36	81.6		152.0	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

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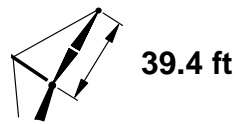
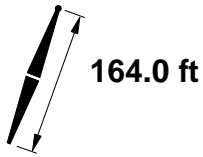
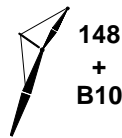
	10°							20°						
	ft	°	ft	0°				ft	°	0°				ft
				lb	lb	lb	lb			lb	lb	lb	lb	
30	84.7	173.1	143,300c											30
32	84.0	172.8	143,300c	140,000d										32
34	83.3	172.4	143,300b	139,500d										34
36	82.6	172.0	143,300	139,100c	127,200d			84.7	170.6	143,300c				36
38	81.9	171.6	143,300	138,600c	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	70,200								160
165	17.3	49.6	71,100	69,700	68,100	66,400								165

MLC650 S-1



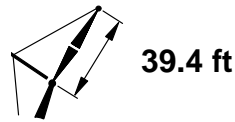
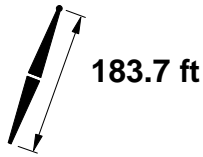
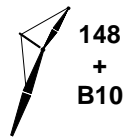
	10°							20°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
32	84.7	192.7	143,300c												32
34	84.0	192.3	143,300												34
36	83.4	192.0	143,300	139,200c											36
38	82.8	191.7	143,300	138,800c	126,800d			84.7	190.2	143,300b					38
40	82.1	191.3	143,300	138,300b	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	83,900		47.5	133.7	76,000	75,900	75,700	75,500		140
145	43.7	130.3	84,000	83,600	82,400	79,100		45.1	128.0	74,500	74,300	74,200	74,000		145
150	41.2	124.2	81,800	80,700	77,600	74,600		42.6	121.8	73,000	72,900	72,700	72,600		150
155	38.6	117.5	79,800	76,000	73,200	70,500		40.0	114.9	71,700	71,500	71,400	71,300		155
160	35.9	110.1	77,900	71,600	69,000	66,500		37.1	107.4	70,500	70,300	69,900	67,400		160
165	32.9	101.9	76,100	67,400	65,100	62,800		34.1	98.9	69,400	68,100	65,800	63,500		165
170	29.6	92.6	74,200	63,500	61,400	59,300		30.6	89.2	68,500	64,100	62,000	59,900		170
175	25.9	81.7	69,800	59,700	57,900	56,000		26.7	77.8	67,800	60,200	58,300	56,400		175
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MLC650 S-1



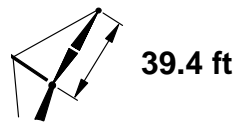
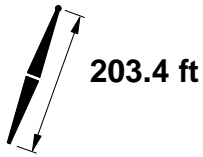
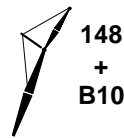
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	ft	°	ft	0°				ft	°	0°				ft
				lb	lb	lb	lb			lb	lb	lb	lb	
34	84.6	212.2	143,300											34
36	84.0	211.9	143,300											36
38	83.5	211.6	143,300	138,700c										38
40	82.9	211.3	143,300	138,300	126,400c			84.6	209.7	143,300				40
45	81.5	210.3	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	100,600	95,500		58.2	173.4	86,200	86,000	85,700	84,600	125
130	55.0	171.5	98,800	98,300	94,400	89,700		56.5	169.6	84,100	83,900	83,700	82,700	130
135	53.2	167.5	95,900	93,200	88,700	84,300		54.6	165.6	82,200	82,000	81,800	80,900	135
140	51.4	163.3	93,200	87,400	83,300	79,300		52.8	161.2	80,400	80,100	80,000	79,300	140
145	49.5	158.7	90,600	82,100	78,300	74,600		50.8	156.6	78,700	78,500	78,300	76,100	145
150	47.5	153.8	88,200	77,200	73,600	70,200		48.9	151.7	77,100	76,900	75,000	71,600	150
155	45.5	148.6	85,900	72,500	69,300	66,100		46.8	146.3	75,600	73,800	70,500	67,300	155
160	43.4	143.0	81,200	68,200	65,200	62,200		44.6	140.6	74,200	69,300	66,300	63,400	160
165	41.1	136.9	76,400	64,100	61,300	58,600		42.4	134.4	72,900	65,100	62,300	59,600	165
170	38.8	130.3	71,800	60,200	57,600	55,200		40.0	127.7	71,700	61,100	58,600	56,100	170
175	36.4	123.1	67,500	56,600	54,200	51,900		37.5	120.4	68,400	57,400	55,000	52,700	175
180	33.7	115.2	63,500	53,100	50,900	48,800		34.8	112.2	64,200	53,800	51,600	49,500	180
185	30.9	106.4	59,600	49,800	47,800	45,900		31.9	103.1	60,200	50,400	48,400	46,400	185
190	27.8	96.4	56,000	46,700	44,900	43,100		28.6	92.7	56,400	47,100	45,300	43,500	190
195	24.2	84.7	52,400	43,700	42,000	40,400								195
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MLC650 S-1



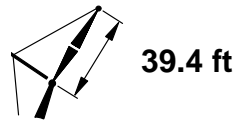
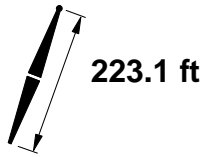
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			0°						0°					
	ft	°	ft	lb	lb	lb	lb	ft	°	lb	lb	lb		lb
36	84.6	231.8	143,300											36
38	84.1	231.5	143,300											38
40	83.5	231.2	143,300	138,300										40
45	82.2	230.4	143,300	137,500	125,500			83.8	228.8	143,300	132,500			45
50	80.9	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	109,700	103,200	64.5	203.3	95,200	94,900	94,200	92,700		115
120	61.6	202.1	112,400	108,900	102,500	96,500	63.0	200.3	92,700	92,500	91,900	90,500		120
125	60.1	199.1	108,900	101,700	95,900	90,300	61.5	197.2	90,500	90,200	89,800	88,500		125
130	58.6	195.8	105,600	95,100	89,700	84,600	59.9	193.9	88,400	88,100	87,800	86,500		130
135	57.0	192.3	102,500	89,000	84,000	79,300	58.4	190.4	86,300	86,100	85,800	81,200		135
140	55.4	188.6	99,600	83,300	78,700	74,400	56.7	186.7	84,500	84,300	80,600	76,200		140
145	53.8	184.8	94,600	78,000	73,800	69,700	55.1	182.7	82,700	79,800	75,500	71,400		145
150	52.1	180.6	88,700	73,100	69,200	65,400	53.4	178.6	81,000	74,800	70,800	67,000		150
155	50.4	176.2	83,200	68,500	64,900	61,400	51.7	174.1	79,500	70,100	66,400	62,800		155
160	48.7	171.6	78,000	64,200	60,800	57,600	49.9	169.4	78,000	65,600	62,200	58,900		160
165	46.9	166.6	73,200	60,200	57,000	54,000	48.1	164.4	74,600	61,500	58,300	55,200		165
170	45.0	161.3	68,700	56,300	53,400	50,600	46.2	159.0	70,000	57,600	54,600	51,700		170
175	43.1	155.7	64,500	52,700	50,000	47,400	44.2	153.3	65,600	53,800	51,100	48,400		175
180	41.1	149.6	60,500	49,300	46,800	44,300	42.2	147.1	61,500	50,300	47,800	45,300		180
185	39.0	143.1	56,700	46,100	43,700	41,400	40.1	140.5	57,600	47,000	44,600	42,300		185
190	36.8	136.1	53,100	43,000	40,800	38,700	37.8	133.3	53,900	43,800	41,600	39,500		190
195	34.4	128.4	49,700	40,100	38,100	36,100	35.4	125.4	50,400	40,800	38,800	36,800		195
200	31.9	119.9	46,400	37,300	35,400	33,600	32.8	116.7	47,000	37,900	36,000	34,200		200
205	29.2	110.5	43,300	34,600	32,900	31,200	30.0	107.0	43,800	35,100	33,400	31,700		205
210	26.2	99.9	40,300	32,100	30,500	28,900	26.8	95.9	40,600	32,400	30,900	29,300		210
215	22.7	87.4	37,400	29,600	28,200	26,700								215
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MLC650 S-1



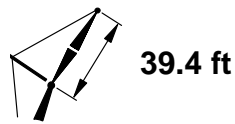
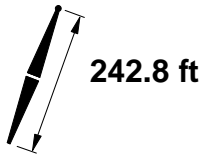
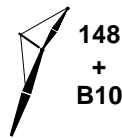
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38	84.5	251.4	143,300											38	
40	84.1	251.1	143,300											40	
45	82.9	250.3	143,300											45	
50	81.7	249.4	143,300	137,300	125,200			84.3	248.7	143,300				50	
				136,500	124,700	113,100		83.1	247.8	143,300	131,700				
55	80.5	248.4	143,300	135,800	124,100	113,100		81.9	246.8	143,300	131,300	120,400	109,800	55	
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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	
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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	
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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	120,900	112,700	105,000		68.1	228.1	101,800	101,500	100,600	98,700	110	
115	65.5	227.4	123,200	112,400	104,900	97,900		66.8	225.6	99,200	98,900	98,100	96,300	115	
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125	62.8	222.0	115,600	97,500	91,200	85,200		64.1	220.2	94,600	94,300	93,600	87,600	125	
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145	57.2	209.3	91,400	74,000	69,400	65,000		58.4	207.4	86,500	76,000	71,300	66,900	145	
150	55.8	205.7	85,500	69,100	64,800	60,700		57.0	203.7	84,800	71,000	66,700	62,500	150	
155	54.3	201.9	80,000	64,600	60,600	56,700		55.5	199.9	81,900	66,300	62,300	58,400	155	
160	52.8	197.9	74,900	60,300	56,600	53,000		54.0	195.8	76,600	61,900	58,200	54,500	160	
165	51.2	193.7	70,100	56,300	52,800	49,400		52.4	191.5	71,700	57,800	54,300	50,900	165	
170	49.7	189.2	65,600	52,500	49,200	46,100		50.8	187.0	67,100	53,900	50,600	47,400	170	
175	48.0	184.4	61,300	48,900	45,900	42,900		49.2	182.2	62,700	50,300	47,200	44,200	175	
180	46.4	179.4	57,300	45,500	42,700	39,900		47.5	177.1	58,600	46,800	43,900	41,100	180	
185	44.6	174.1	53,600	42,300	39,700	37,100		45.7	171.7	54,800	43,500	40,800	38,200	185	
190	42.9	168.4	50,000	39,300	36,800	34,400		43.9	166.0	51,100	40,400	37,800	35,400	190	
195	41.0	162.4	46,600	36,400	34,100	31,800		42.0	159.8	47,600	37,400	35,000	32,700	195	
200	39.1	155.9	43,400	33,700	31,500	29,300		40.1	153.2	44,300	34,500	32,300	30,200	200	
205	37.1	149.0	40,300	31,000	29,000	27,000		38.0	146.2	41,100	31,800	29,800	27,700	205	
210	35.0	141.5	37,400	28,500	26,600	24,800		35.9	138.5	38,100	29,200	27,300	25,400	210	
215	32.7	133.3	34,600	26,100	24,400	22,600		33.5	130.1	35,200	26,700	24,900	23,200	215	
220	30.3	124.3	31,900	23,800	22,200	20,600		31.1	120.9	32,400	24,300	22,700	21,000	220	
230	24.8	103.1	26,800	19,500	18,100	16,700								230	
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MLC650 S-1



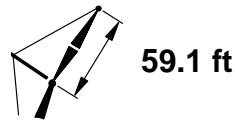
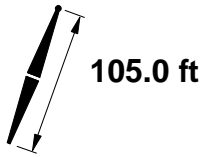
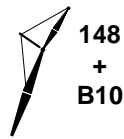
	10°							20°								
				440,900 lb							440,900 lb					
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	
38	84.9	271.2	143,300													38
40	84.5	271.0	143,300													40
45	83.4	270.2	143,300	136,800				84.7	268.6	143,300						45
50	82.3	269.4	143,300	136,200	124,100			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	127,800	118,200	109,000		71.0	251.8	108,400	108,000	106,800	102,500			105
110	68.6	251.4	134,000	118,600	109,800	101,700		69.9	249.7	105,600	105,200	104,100	101,700			110
115	67.4	249.2	129,700	110,200	102,100	94,700		68.7	247.4	103,100	102,700	101,700	97,500			115
120	66.2	246.8	125,700	102,500	95,100	88,200		67.4	245.0	100,600	100,200	97,900	90,900			120
125	65.0	244.3	119,200	95,400	88,600	82,300		66.2	242.5	98,300	98,000	91,200	84,800			125
130	63.8	241.7	111,100	88,900	82,700	76,800		65.0	239.9	96,100	91,400	85,100	79,100			130
135	62.5	238.9	103,600	82,900	77,100	71,600		63.7	237.1	94,000	85,300	79,400	73,900			135
140	61.3	236.0	96,700	77,300	71,900	66,900		62.5	234.1	92,100	79,600	74,100	69,000			140
145	60.0	233.0	90,400	72,100	67,100	62,400		61.2	231.0	90,200	74,200	69,200	64,400			145
150	58.7	229.7	84,400	67,300	62,600	58,200		59.9	227.8	86,600	69,300	64,600	60,100			150
155	57.4	226.3	78,900	62,700	58,400	54,300		58.5	224.4	81,000	64,600	60,200	56,100			155
160	56.1	222.8	73,800	58,500	54,400	50,600		57.2	220.8	75,700	60,300	56,200	52,300			160
165	54.7	219.1	69,000	54,500	50,700	47,100		55.8	217.0	70,800	56,200	52,300	48,700			165
170	53.3	215.1	64,500	50,800	47,200	43,800		54.4	213.0	66,200	52,300	48,700	45,300			170
175	51.9	211.0	60,300	47,200	43,900	40,700		53.0	208.9	61,800	48,700	45,300	42,100			175
180	50.5	206.7	56,300	43,900	40,700	37,700		51.5	204.5	57,800	45,300	42,100	39,000			180
185	49.0	202.1	52,500	40,700	37,800	34,900		50.0	199.9	53,900	42,000	39,000	36,200			185
190	47.5	197.3	49,000	37,700	34,900	32,300		48.5	195.0	50,300	38,900	36,100	33,400			190
195	45.9	192.2	45,600	34,800	32,200	29,700		46.9	189.8	46,800	36,000	33,400	30,800			195
200	44.3	186.8	42,400	32,100	29,700	27,300		45.3	184.4	43,500	33,200	30,700	28,300			200
205	42.7	181.1	39,300	29,500	27,200	25,000		43.6	178.6	40,400	30,500	28,200	25,900			205
210	41.0	175.1	36,400	27,100	24,900	22,800		41.9	172.5	37,400	28,000	25,800	23,600			210
215	39.2	168.7	33,700	24,700	22,700	20,700		40.1	166.0	34,600	25,500	23,500	21,500			215
220	37.3	161.8	31,000	22,400	20,500	18,700		38.2	159.0	31,800	23,200	21,200	19,400			220
230	33.4	146.6	26,100	18,200	16,500	14,900		34.2	143.4	26,700	18,800	17,100	15,400			230
240	28.9	128.5	20,600	14,200	12,800	11,300		29.5	124.9	21,200	14,700	13,200	11,700			240
250	23.5	106.1	15,500	10,500	9,300	8,000										250

MLC650 S-1



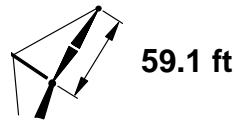
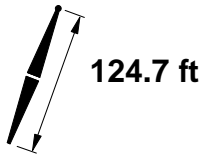
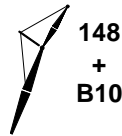
	10°							20°						
	ft	°	ft	Lift Capacity				ft	°	Lift Capacity				ft
				0° lb	1° lb	2° lb	3° lb			0° lb	1° lb	2° lb	3° lb	
40	84.9	290.8	143,300											40
45	83.9	290.1	143,300	136,300										45
50	82.8	289.4	143,300	135,700	123,500		84.1	287.7	143,300					50
55	81.8	288.5	143,300	135,100	123,100	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	123,300	113,000	103,700	72.5	272.9	111,900	111,400	110,100	102,900		105
110	70.2	272.8	140,400	114,100	104,800	96,200	71.4	271.0	109,100	108,800	107,500	99,400		110
115	69.1	270.7	134,700	105,800	97,200	89,300	70.3	268.9	106,600	106,200	100,300	92,300		115
120	68.0	268.5	124,900	98,100	90,300	83,000	69.1	266.7	104,200	101,200	93,200	85,900		120
125	66.9	266.2	116,000	91,100	83,900	77,200	68.0	264.4	101,800	94,000	86,700	79,800		125
130	65.8	263.8	107,800	84,600	78,000	71,700	66.9	262.0	99,600	87,400	80,600	74,300		130
135	64.6	261.3	100,300	78,700	72,500	66,700	65.7	259.5	97,500	81,200	75,000	69,100		135
140	63.5	258.7	93,400	73,100	67,400	62,000	64.6	256.8	95,500	75,600	69,700	64,200		140
145	62.3	255.9	87,000	67,900	62,600	57,500	63.4	254.0	89,500	70,300	64,800	59,700		145
150	61.2	253.0	81,100	63,100	58,100	53,400	62.2	251.1	83,400	65,300	60,300	55,500		150
155	60.0	249.9	75,600	58,600	53,900	49,500	61.0	248.0	77,800	60,700	56,000	51,500		155
160	58.8	246.7	70,400	54,400	50,000	45,900	59.8	244.7	72,500	56,400	51,900	47,700		160
165	57.5	243.3	65,600	50,400	46,300	42,400	58.6	241.4	67,600	52,300	48,200	44,200		165
170	56.3	239.8	61,100	46,700	42,800	39,200	57.3	237.8	63,000	48,500	44,600	40,900		170
175	55.0	236.2	56,800	43,200	39,600	36,100	56.1	234.1	58,600	44,900	41,200	37,700		175
180	53.8	232.3	52,800	39,800	36,400	33,200	54.8	230.2	54,500	41,400	38,000	34,700		180
185	52.5	228.3	49,100	36,700	33,500	30,400	53.5	226.2	50,700	38,200	35,000	31,800		185
190	51.1	224.1	45,500	33,700	30,700	27,800	52.1	221.9	47,000	35,100	32,100	29,100		190
195	49.8	219.6	42,200	30,900	28,000	25,300	50.8	217.4	43,600	32,200	29,300	26,500		195
200	48.4	215.0	39,000	28,200	25,500	22,900	49.4	212.7	40,300	29,400	26,700	24,100		200
205	47.0	210.1	35,900	25,600	23,100	20,600	47.9	207.8	37,200	26,800	24,200	21,700		205
210	45.5	205.0	33,000	23,200	20,800	18,400	46.5	202.6	34,200	24,300	21,800	19,500		210
215	44.0	199.6	29,900	20,800	18,600	16,400	45.0	197.1	31,300	21,800	19,600	17,300		215
220	42.5	193.9	26,900	18,600	16,400	14,400	43.4	191.3	28,200	19,500	17,400	15,300		220
230	39.3	181.5	21,100	14,400	12,500	10,600	40.1	178.7	22,200	15,200	13,300	11,400		230
240	35.8	167.5	15,800	10,500	8,800	7,100	36.6	164.5	16,700	11,200	9,400	7,800		240
250	32.0	151.4	10,900	6,900			32.7	148.1	11,600	7,400				250
260	27.6	132.4	6,300				28.2	128.6	6,700					260

MLC650 S-1



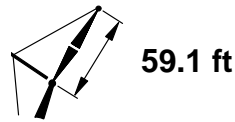
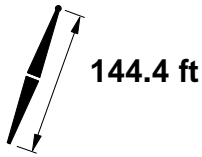
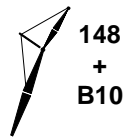
	10°								20°							
			0°						0°							
	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
36	84.4	171.7	117,500c												36	
38	83.7	171.3	116,200c	101,600d											38	
40	83.0	170.9	114,500c	100,300d	89,500d										40	
45	81.2	169.7	110,500	97,300c	87,100d	79,000d									45	
50	79.4	168.4	106,700	94,400b	84,800c	77,100c	84.4	167.8	95,500c	83,300c	75,700d				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-1



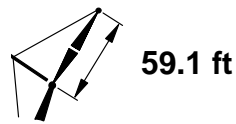
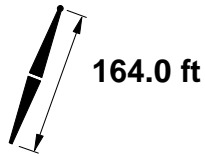
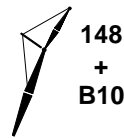
	10°							20°						
	ft	°	ft	0°				ft	°	0°				ft
				lb	lb	lb	lb			lb	lb	lb	lb	
36	85.0	191.7	117,800c											36
38	84.4	191.3	117,200c											38
40	83.8	190.9	116,000b	101,400d										40
45	82.2	189.9	112,300	98,600c	88,100c			85.0	187.8	96,300c				45
50	80.6	188.7	108,900	96,000	86,100c	78,000c		83.4	186.6	93,900	84,200c			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-1



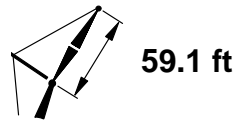
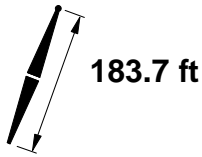
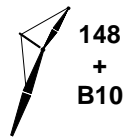
	10°						20°									
			440,900 lb						440,900 lb							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb		2° lb	3° lb	ft
38	84.9	211.2	117,300c													38
40	84.4	210.9	116,900													40
45	82.9	209.9	113,800	99,700c	88,900d											45
50	81.5	208.9	110,600	97,200	87,000c	78,800c		84.1	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	
185	32.2	105.6	50,000	49,700	49,500	49,300	33.7	100.9	43,800	43,700	43,600	43,600			185	
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	
195	25.4	83.7	48,200	48,000	47,800	47,500									195	
200	21.1	69.1	47,500	47,300	47,100	46,100									200	

MLC650 S-1



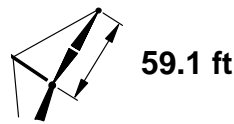
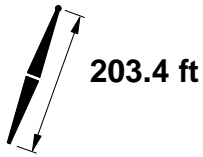
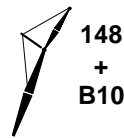
	10°							20°						
	ft	°	ft	440,900 lb				ft	°	440,900 lb				ft
				0°	1°	2°	3°			0°	1°	2°	3°	
40	84.9	230.8	116,900											40
45	83.6	229.9	114,900	100,400c										45
50	82.3	229.0	112,000	98,200	87,600c									50
55	81.0	227.9	109,200	96,100	85,900	77,900c	84.6	226.7	95,300	83,600				55
60	79.6	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	53,100	44.0	145.4	46,600	46,500	46,200	45,900		180
185	40.2	142.4	53,300	53,100	52,500	50,200	41.9	138.6	45,900	45,700	45,500	45,200		185
190	38.0	135.3	52,300	51,800	49,600	47,400	39.6	131.3	45,200	45,000	44,900	44,700		190
195	35.6	127.6	51,200	48,800	46,700	44,700	37.1	123.3	44,500	44,400	44,300	44,100		195
200	33.1	119.1	50,300	46,000	44,100	42,200	34.5	114.5	43,900	43,900	43,800	43,000		200
205	30.3	109.6	49,500	43,200	41,500	39,800	31.6	104.5	43,500	43,400	42,200	40,500		205
210	27.3	98.8	48,600	40,600	39,000	37,500	28.4	93.1	43,100	41,200	39,600	38,000		210
215	23.8	86.2	45,900	38,100	36,600	35,200								215
220	19.6	70.7	43,000	35,600	34,300	33,100								220

MLC650 S-1



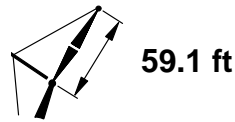
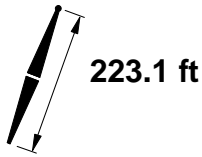
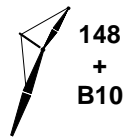
	10°						20°								
	ft	°	ft	440,900 lb				ft	°	ft	440,900 lb				
				0°	1°	2°	3°				0°	1°		2°	3°
ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
45	84.1	249.9	115,900					85.1	246.7	95,900				45	
50	82.9	249.0	113,100	99,000	88,200 ^b			83.8	245.7	94,100	84,100			50	
55	81.7	248.0	110,500	97,000	86,600	78,400 ^c		82.6	244.5	92,400	82,700	75,000		55	
60	80.5	246.9	108,000	95,100	85,100	77,200		82.6	244.5	92,400	82,700	75,000		60	
65	79.3	245.7	105,600	93,200	83,700	75,900		81.4	243.3	89,200	81,500	74,000	67,900	65	
70	78.1	244.3	103,300	91,500	82,200	74,800	80.2	242.0	86,000	80,300	73,000	67,000		70	
75	76.8	242.9	101,200	89,800	80,900	73,600	78.9	240.5	82,900	79,000	72,000	66,200		75	
80	75.6	241.3	99,200	88,200	79,600	72,600	77.7	238.9	80,100	77,900	71,100	65,400		80	
85	74.4	239.6	97,200	86,700	78,400	71,500	76.4	237.2	77,400	76,500	70,200	64,700		85	
90	73.1	237.8	95,300	85,100	77,100	70,600	75.2	235.4	74,900	74,100	69,300	63,900		90	
95	71.8	235.9	93,500	83,700	75,900	69,600	73.9	233.4	72,700	71,900	68,500	63,200		95	
100	70.6	233.9	91,500	82,400	74,800	68,700	72.6	231.4	70,500	69,800	67,700	62,500		100	
105	69.3	231.7	88,300	81,100	73,700	67,700	71.3	229.2	68,500	67,800	66,400	61,800		105	
110	68.0	229.3	85,200	79,900	72,700	66,900	70.0	226.8	66,600	66,000	64,700	61,200		110	
115	66.7	226.9	82,400	78,600	71,700	66,000	68.6	224.3	64,800	64,200	63,000	60,700		115	
120	65.3	224.3	79,700	77,500	70,800	65,100	67.3	221.7	63,100	62,600	61,500	60,100		120	
125	64.0	221.5	77,300	76,300	69,800	64,300	65.9	218.9	61,500	61,100	60,000	59,000		125	
130	62.6	218.6	75,000	74,400	68,900	63,600	64.5	215.9	60,000	59,600	58,600	57,700		130	
135	61.2	215.5	72,800	72,200	68,100	62,900	63.1	212.8	58,600	58,200	57,300	56,400		135	
140	59.8	212.2	70,700	70,200	67,300	62,200	61.7	209.5	57,300	56,900	56,000	55,200		140	
145	58.4	208.8	68,900	68,300	66,400	61,500	60.3	206.0	56,000	55,700	54,900	54,100		145	
150	56.9	205.2	67,000	66,500	65,700	60,900	58.8	202.3	54,800	54,500	53,800	53,000		150	
155	55.5	201.4	65,300	64,800	64,400	60,200	57.3	198.5	53,700	53,400	52,700	52,000		155	
160	53.9	197.3	63,600	63,300	62,800	59,600	55.7	194.4	52,600	52,300	51,700	51,100		160	
165	52.4	193.1	62,100	61,700	61,300	58,300	54.2	190.0	51,600	51,300	50,800	50,200		165	
170	50.8	188.6	60,600	60,300	58,100	54,900	52.6	185.5	50,600	50,400	49,900	49,300		170	
175	49.2	183.8	59,300	57,700	54,700	51,700	50.9	180.6	49,700	49,500	49,000	48,500		175	
180	47.5	178.8	58,000	54,300	51,400	48,700	49.2	175.5	48,800	48,700	48,200	47,800		180	
185	45.8	173.4	56,800	51,100	48,400	45,800	47.4	170.0	48,000	47,900	47,500	47,100		185	
190	44.0	167.7	55,600	48,000	45,500	43,000	45.6	164.2	47,200	47,100	46,800	44,400		190	
195	42.1	161.7	54,400	45,100	42,700	40,400	43.7	158.0	46,500	46,400	44,000	41,700		195	
200	40.2	155.2	52,000	42,300	40,100	37,900	41.7	151.3	45,800	43,500	41,300	39,100		200	
205	38.2	148.2	48,900	39,600	37,600	35,500	39.6	144.1	45,200	40,700	38,600	36,600		205	
210	36.0	140.7	46,000	37,100	35,100	33,300	37.4	136.3	44,600	38,000	36,100	34,200		210	
215	33.8	132.4	43,100	34,600	32,800	31,100	35.1	127.8	44,000	35,500	33,700	31,900		215	
220	31.3	123.4	40,400	32,300	30,600	29,000	32.5	118.4	41,100	33,000	31,300	29,700		220	
230	25.8	101.9	35,200	27,800	26,400	25,000								230	

MLC650 S-1



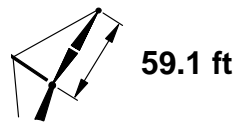
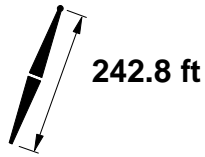
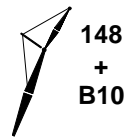
	10°							20°						
	ft	°	ft	Lift Capacity				ft	°	Lift Capacity				ft
				0° lb	1° lb	2° lb	3° lb			0° lb	1° lb	2° lb	3° lb	
45	84.6	269.8	116,000											45
50	83.4	269.0	113,900	99,400										50
55	82.3	268.0	111,500	97,600	87,000			84.3	265.7	94,500				55
60	81.2	267.0	109,200	95,800	85,600	77,500		83.2	264.6	92,900	83,100			60
65	80.1	265.9	106,900	94,100	84,200	76,400		82.1	263.5	91,100	81,900	74,300		65
70	79.0	264.7	104,800	92,500	82,900	75,300		80.9	262.3	88,000	80,700	73,400	67,200	70
75	77.9	263.3	102,700	90,900	81,600	74,200		79.8	260.9	85,000	79,600	72,500	66,500	75
80	76.7	261.9	100,800	89,400	80,400	73,200		78.6	259.5	82,200	78,600	71,600	65,800	80
85	75.6	260.4	98,900	87,900	79,200	72,200		77.5	257.9	79,600	77,600	70,800	65,100	85
90	74.4	258.7	97,100	86,500	78,100	71,300		76.3	256.2	77,300	76,400	69,900	64,400	90
95	73.3	256.9	95,300	85,100	77,000	70,400		75.2	254.4	75,000	74,200	69,200	63,700	95
100	72.1	255.1	93,700	83,800	76,000	69,500		74.0	252.5	72,900	72,100	68,400	63,100	100
105	70.9	253.1	92,100	82,600	74,900	68,600		72.8	250.5	70,800	70,100	67,600	62,500	105
110	69.7	250.9	89,400	81,300	73,900	67,800		71.6	248.4	69,000	68,300	66,900	61,800	110
115	68.6	248.7	86,500	80,200	73,000	67,000		70.4	246.1	67,200	66,600	65,200	61,300	115
120	67.3	246.3	83,800	79,100	72,000	66,200		69.2	243.7	65,500	64,900	63,700	60,700	120
125	66.1	243.8	81,300	78,000	71,200	65,500		67.9	241.2	63,900	63,400	62,200	60,200	125
130	64.9	241.2	78,900	76,900	70,300	64,700		66.7	238.5	62,500	61,900	60,800	59,700	130
135	63.6	238.4	76,700	75,900	69,400	64,000		65.4	235.7	61,000	60,500	59,500	58,500	135
140	62.4	235.5	74,600	74,000	68,700	63,300		64.1	232.8	59,600	59,200	58,200	57,300	140
145	61.1	232.4	72,700	72,100	67,800	62,600		62.9	229.6	58,300	57,900	57,000	56,200	145
150	59.8	229.2	70,700	70,200	67,100	62,000		61.5	226.4	57,200	56,800	55,900	55,100	150
155	58.5	225.8	69,000	68,400	65,300	61,100		60.2	222.9	56,000	55,600	54,800	54,100	155
160	57.1	222.2	67,300	65,400	61,300	57,400		58.8	219.3	54,900	54,500	53,800	53,100	160
165	55.8	218.5	65,700	61,300	57,500	53,800		57.5	215.5	53,900	53,500	52,800	52,200	165
170	54.4	214.5	64,200	57,500	53,900	50,500		56.1	211.5	52,800	52,500	51,900	51,300	170
175	53.0	210.4	62,700	53,900	50,500	47,300		54.6	207.3	51,900	51,600	51,000	49,300	175
180	51.5	206.0	61,300	50,500	47,400	44,300		53.1	202.9	51,000	50,700	49,300	46,200	180
185	50.0	201.5	59,200	47,300	44,300	41,500		51.6	198.2	50,100	49,200	46,100	43,200	185
190	48.5	196.6	55,600	44,200	41,500	38,800		50.1	193.3	49,300	46,000	43,200	40,400	190
195	47.0	191.5	52,200	41,300	38,700	36,200		48.5	188.1	48,500	43,000	40,300	37,700	195
200	45.4	186.1	48,900	38,600	36,100	33,700		46.9	182.6	47,800	40,100	37,600	35,200	200
205	43.7	180.4	45,800	35,900	33,600	31,400		45.2	176.8	47,100	37,400	35,000	32,700	205
210	42.0	174.4	42,900	33,400	31,200	29,100		43.4	170.6	44,200	34,700	32,500	30,300	210
215	40.2	167.9	40,100	31,000	29,000	27,000		41.6	164.0	41,300	32,200	30,100	28,100	215
220	38.4	161.0	37,400	28,700	26,800	24,900		39.7	156.9	38,500	29,800	27,800	25,900	220
230	34.4	145.7	32,300	24,400	22,700	21,000		35.6	141.1	33,200	25,200	23,500	21,800	230
240	29.8	127.5	27,600	20,300	18,900	17,400		30.9	122.1	28,300	21,000	19,500	18,000	240
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MLC650 S-1



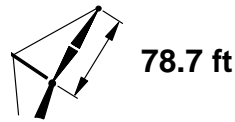
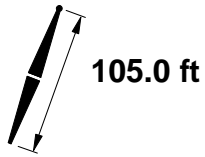
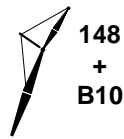
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			0°						0°						
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50	83.9	288.9	114,400	99,600											50
55	82.9	288.0	112,100	97,900	87,100			84.7	285.6	94,800	83,300				55
60	81.8	287.1	110,000	96,200	85,800	77,600		83.7	284.6	93,300	82,200	74,400			60
65	80.8	286.0	107,900	94,600	84,600	76,500		82.6	283.6	92,000	81,100	73,600			65
70	79.8	284.9	105,800	93,100	83,300	75,500		81.6	282.5	89,700	80,100	72,700	67,400		70
75	78.7	283.7	103,900	91,600	82,200	74,600		80.5	281.2	86,800	79,100	71,900	66,700		75
80	77.7	282.4	102,100	90,200	81,000	73,600		79.5	279.9	84,100	77,100	71,100	66,000		80
85	76.6	280.9	100,300	88,900	79,900	72,700		78.4	278.4	81,600	75,100	70,400	65,400		85
90	75.6	279.4	98,600	87,500	78,800	71,900		77.3	276.9	79,300	73,200	70,400	64,700		90
95	74.5	277.8	96,900	86,300	77,800	71,000		76.3	275.2	77,100	72,200	69,600	64,100		95
100	73.4	276.0	95,300	85,000	76,800	70,200		75.2	273.5	75,000	71,200	68,900	63,500		100
105	72.3	274.2	93,800	83,700	75,900	69,300		74.1	271.6	73,000	70,300	68,200	62,900		105
110	71.2	272.2	92,300	82,600	74,900	68,500		73.0	269.7	71,200	70,400	67,600	62,300		110
115	70.1	270.2	90,400	81,500	74,000	67,800		71.9	267.6	69,400	68,700	67,000	61,800		115
120	69.0	268.0	87,700	80,400	73,100	67,100		70.8	265.4	67,700	67,100	65,700	61,300		120
125	67.9	265.7	85,200	79,400	72,300	66,300		69.6	263.1	66,100	65,500	64,200	60,700		125
130	66.8	263.3	82,700	78,400	71,400	65,600		68.5	260.6	64,700	64,100	62,800	60,300		130
135	65.7	260.8	80,400	77,400	70,600	65,000		67.3	258.1	63,200	62,700	61,500	59,800		135
140	64.5	258.1	78,300	76,400	69,800	64,300		66.2	255.4	61,900	61,300	60,300	59,200		140
145	63.3	255.3	76,200	75,500	69,100	63,600		65.0	252.6	60,600	60,100	59,100	58,100		145
150	62.2	252.4	74,300	72,300	67,200	62,500		63.8	249.6	59,300	58,900	57,900	57,000		150
155	61.0	249.3	72,500	67,700	63,000	58,500		62.6	246.5	58,200	57,700	56,800	56,000		155
160	59.8	246.1	70,800	63,400	59,000	54,800		61.4	243.3	57,100	56,600	55,800	55,000		160
165	58.6	242.8	69,100	59,400	55,300	51,300		60.1	239.9	56,000	55,600	54,800	53,700		165
170	57.3	239.3	67,500	55,600	51,700	48,000		58.9	236.3	54,900	54,600	53,800	50,300		170
175	56.1	235.6	65,800	52,000	48,400	44,900		57.6	232.6	54,000	53,600	50,600	47,100		175
180	54.8	231.7	61,700	48,700	45,200	42,000		56.3	228.6	53,100	50,800	47,400	44,000		180
185	53.5	227.7	57,900	45,500	42,200	39,100		55.0	224.5	52,200	47,500	44,200	41,100		185
190	52.1	223.4	54,300	42,400	39,400	36,500		53.6	220.2	51,300	44,400	41,300	38,300		190
195	50.8	219.0	50,900	39,600	36,700	33,900		52.3	215.7	50,500	41,400	38,500	35,700		195
200	49.4	214.3	47,700	36,800	34,100	31,500		50.9	211.0	49,500	38,600	35,800	33,100		200
205	48.0	209.4	44,600	34,200	31,700	29,200		49.4	206.0	46,300	35,800	33,200	30,700		205
210	46.5	204.3	41,700	31,700	29,300	27,000		47.9	200.8	43,300	33,300	30,800	28,400		210
215	45.0	198.9	38,900	29,400	27,100	24,900		46.4	195.2	40,400	30,800	28,500	26,200		215
220	43.5	193.1	36,200	27,100	24,900	22,800		44.8	189.4	37,600	28,400	26,200	24,100		220
230	40.2	180.7	31,200	22,800	20,900	19,000		41.5	176.7	32,400	23,900	22,000	20,100		230
240	36.7	166.6	26,600	18,900	17,100	15,500		37.9	162.2	27,600	19,800	18,000	16,300		240
250	32.9	150.4	21,900	15,200	13,700	12,200		33.9	145.5	22,900	15,900	14,400	12,800		250
260	28.5	131.3	17,200	11,700	10,400	9,100		29.4	125.6	17,800	12,200	10,900	9,600		260
270	23.2	107.5	12,600	8,500	7,300										270

MLC650 S-1



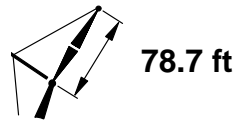
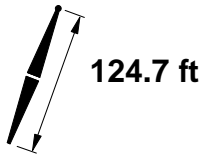
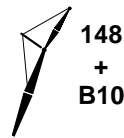
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	ft	°	ft	0°				ft	°	0°				ft
				lb	lb	lb	lb			lb	lb	lb	lb	
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55	83.3	308.0	112,600	98,000										55
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65	81.4	306.1	108,600	95,100	84,700	76,600		83.1	303.6	92,400	81,400			65
70	80.4	305.1	106,800	93,600	83,600	75,700		82.2	302.6	91,000	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
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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	73,100	67,300	61,900		66.8	275.0	62,600	62,100	60,900	59,400	145
150	64.2	275.1	77,700	68,200	62,800	57,800		65.7	272.3	61,400	60,800	59,800	58,800	150
155	63.1	272.3	75,900	63,700	58,600	53,900		64.6	269.4	60,200	59,700	58,700	56,800	155
160	62.0	269.3	74,200	59,400	54,700	50,200		63.5	266.5	59,100	58,600	57,600	53,000	160
165	60.9	266.3	71,300	55,400	51,000	46,800		62.4	263.4	58,000	57,500	53,700	49,400	165
170	59.8	263.1	66,700	51,600	47,500	43,500		61.3	260.2	57,000	54,300	50,100	46,000	170
175	58.6	259.8	62,400	48,100	44,200	40,400		60.1	256.8	56,000	50,600	46,600	42,800	175
180	57.5	256.3	58,400	44,700	41,000	37,500		58.9	253.3	55,100	47,100	43,400	39,800	180
185	56.3	252.6	54,600	41,500	38,100	34,700		57.7	249.6	54,100	43,800	40,300	36,900	185
190	55.1	248.8	50,900	38,500	35,200	32,100		56.5	245.8	53,300	40,700	37,400	34,200	190
195	53.9	244.9	47,500	35,700	32,500	29,600		55.3	241.7	49,700	37,700	34,600	31,500	195
200	52.7	240.7	44,300	32,900	30,000	27,200		54.1	237.5	46,400	34,900	31,900	29,000	200
205	51.4	236.4	41,200	30,300	27,600	24,900		52.8	233.2	43,200	32,200	29,400	26,600	205
210	50.1	231.9	38,300	27,900	25,200	22,700		51.5	228.6	40,100	29,600	26,900	24,400	210
215	48.8	227.2	35,500	25,500	23,000	20,600		50.2	223.8	37,200	27,200	24,600	22,200	215
220	47.5	222.2	32,800	23,200	20,900	18,600		48.8	218.7	34,500	24,800	22,400	20,100	220
230	44.7	211.6	27,400	19,000	16,900	14,800		46.0	207.9	29,200	20,400	18,200	16,100	230
240	41.8	199.8	22,000	15,100	13,200	11,300		43.0	195.9	23,600	16,300	14,300	12,400	240
250	38.6	186.7	17,100	11,500	9,700	8,100		39.8	182.5	18,500	12,500	10,700	9,000	250
260	35.3	171.9	12,500	8,100	6,500			36.3	167.3	13,600	8,900	7,400		260
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MLC650 S-1



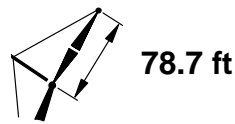
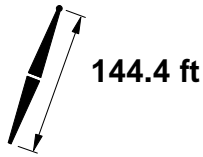
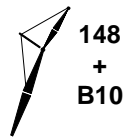
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			440,900 lb						440,900 lb							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb		2° lb	3° lb	ft
40	84.8	191.0	87,900c													40
45	83.3	189.9	85,100c	72,700c												45
50	81.7	188.7	82,400	70,600c	62,100c	55,400d										50
55	80.0	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
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MLC650 S-1



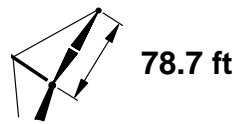
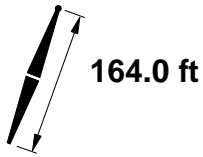
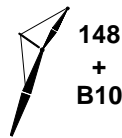
	10°								20°							
	ft	°	ft	0°				ft	°	0°				ft		
				lb	lb	lb	lb			lb	lb	lb	lb			
45	83.9	210.0	86,100 ^b	73,400 ^c										45		
50	82.5	208.9	83,500	71,500 ^c	62,700 ^c									50		
55	81.0	207.7	81,200	69,800	61,400 ^c	54,800 ^c	84.5	205.3	72,400 ^b					55		
60	79.6	206.4	78,900	68,100	60,000	53,700 ^c	83.0	203.9	69,600	61,800 ^b	55,000 ^c			60		
65	78.1	204.9	76,800	66,500	58,800	52,700	81.5	202.4	66,200	60,500	54,000 ^b	48,700 ^c		65		
70	76.6	203.3	74,800	65,000	57,600	51,700	80.0	200.8	63,100	59,400	53,000	48,000 ^b		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		
185	33.2	105.6	36,200	36,000	35,900	35,700	35.5	100.5	31,100	31,100	30,900	30,900		185		
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		
195	26.4	83.7	34,600	34,500	34,300	34,200	28.2	76.9	30,300	30,200	30,100	30,000		195		
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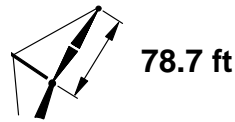
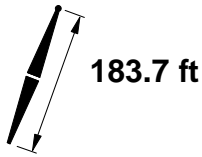
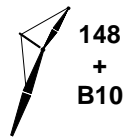
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			0°						0°						
	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft
45	84.5	229.9	86,800												45
50	83.2	228.9	84,500	72,100c											50
55	81.8	227.9	82,200	70,500	61,900c	55,200c	85.0	225.3	72,800						55
60	80.5	226.7	80,200	69,000	60,700	54,200c	83.7	224.1	71,100	62,200b					60
65	79.2	225.3	78,200	67,500	59,500	53,300	82.3	222.7	67,900	61,000	54,400b				65
70	77.9	223.9	76,300	66,100	58,400	52,400	81.0	221.3	64,900	59,900	53,500	48,300b			70
75	76.5	222.3	74,500	64,700	57,300	51,500	79.6	219.7	62,200	58,900	52,700	47,600			75
80	75.2	220.6	72,700	63,400	56,300	50,700	78.2	217.9	59,700	57,900	51,800	47,000			80
85	73.8	218.7	71,100	62,100	55,300	49,900	76.8	216.1	57,400	56,900	51,100	46,300			85
90	72.4	216.7	69,500	61,000	54,400	49,000	75.4	214.0	55,300	54,900	50,300	45,700			90
95	71.0	214.6	68,000	59,800	53,400	48,300	74.0	211.9	53,300	53,000	49,600	45,100			95
100	69.6	212.3	66,600	58,700	52,500	47,600	72.6	209.6	51,400	51,100	48,900	44,500			100
105	68.2	209.9	64,400	57,600	51,600	46,800	71.2	207.1	49,700	49,400	48,200	43,900			105
110	66.7	207.3	61,900	56,600	50,800	46,200	69.7	204.5	48,100	47,800	47,300	43,400			110
115	65.3	204.6	59,700	55,600	50,000	45,500	68.2	201.7	46,600	46,400	45,900	42,900			115
120	63.8	201.6	57,500	54,700	49,200	44,900	66.7	198.8	45,200	44,900	44,500	42,300			120
125	62.3	198.5	55,500	53,800	48,500	44,200	65.2	195.6	43,900	43,700	43,300	41,900			125
130	60.7	195.3	53,600	52,900	47,800	43,600	63.6	192.3	42,700	42,400	42,100	41,400			130
135	59.2	191.8	51,800	51,400	47,100	43,000	62.0	188.7	41,500	41,300	41,000	40,300			135
140	57.6	188.1	50,200	49,800	46,400	42,500	60.4	185.0	40,400	40,200	40,000	39,400			140
145	56.0	184.2	48,600	48,300	45,800	42,000	58.7	181.0	39,300	39,200	39,000	38,400			145
150	54.3	180.1	47,200	46,800	45,200	41,400	57.0	176.8	38,400	38,200	38,000	37,500			150
155	52.6	175.7	45,800	45,500	44,600	40,900	55.3	172.3	37,400	37,300	37,100	36,700			155
160	50.8	171.0	44,500	44,200	43,900	40,500	53.5	167.5	36,600	36,400	36,300	35,900			160
165	49.0	166.0	43,300	43,000	42,700	40,000	51.7	162.4	35,700	35,600	35,400	35,200			165
170	47.1	160.7	42,100	41,900	41,600	39,600	49.7	157.0	35,000	34,800	34,700	34,500			170
175	45.2	155.0	41,000	40,800	40,500	39,200	47.7	151.2	34,200	34,100	34,000	33,800			175
180	43.2	148.9	40,000	39,700	39,600	38,800	45.7	144.9	33,500	33,500	33,300	33,200			180
185	41.1	142.4	39,100	38,800	38,600	38,400	43.5	138.2	32,900	32,800	32,700	32,600			185
190	38.8	135.3	38,100	38,000	37,700	37,500	41.2	130.8	32,300	32,200	32,100	32,000			190
195	36.5	127.6	37,300	37,100	36,800	36,700	38.7	122.8	31,700	31,700	31,500	31,400			195
200	33.9	119.0	36,500	36,200	36,100	35,900	36.1	113.9	31,300	31,200	31,100	30,900			200
205	31.2	109.6	35,700	35,500	35,400	35,200	33.2	103.9	30,800	30,700	30,600	30,500			205
210	28.1	98.8	35,100	34,800	34,600	34,500	29.9	92.3	30,500	30,300	30,300	30,200			210
215	24.7	86.2	34,400	34,200	34,000	33,900									215
220	20.5	70.6	33,800	33,600	33,500	33,300									220

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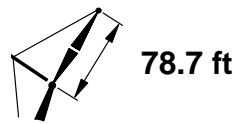
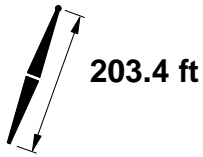
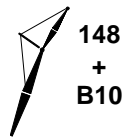
	10°							20°						
	ft	°	ft	0°				ft	°	0°				ft
				lb	lb	lb	lb			lb	lb	lb	lb	
45	84.9	249.8	87,400											45
50	83.7	248.9	85,200	72,600c										50
55	82.5	248.0	83,200	71,100	62,300c									55
60	81.3	246.8	81,200	69,600	61,200	54,600c								60
65	80.1	245.6	79,300	68,300	60,100	53,700	84.2	244.2	71,800					65
70	78.9	244.3	77,600	67,000	59,100	52,900	83.0	243.0	69,300	61,400	54,700b			70
75	77.6	242.8	75,800	65,700	58,000	52,100	81.7	241.6	66,500	60,400	53,900	48,600c		75
80	76.4	241.3	74,200	64,500	57,100	51,300	80.5	240.1	63,900	59,500	53,100	48,000		80
85	75.2	239.6	72,600	63,300	56,100	50,500	79.2	238.6	61,500	58,500	52,300	47,300		85
90	73.9	237.8	71,100	62,100	55,200	49,800	78.0	236.9	59,200	57,600	51,600	46,700		90
95	72.7	235.9	69,700	61,000	54,400	49,000	76.7	235.0	57,200	56,700	50,900	46,200		95
100	71.4	233.8	68,300	60,000	53,500	48,300	75.4	233.1	55,200	54,800	50,200	45,600		100
105	70.1	231.6	66,900	58,900	52,700	47,700	74.1	231.0	53,400	53,100	49,500	45,000		105
110	68.8	229.3	65,500	58,000	52,000	47,000	72.8	228.8	51,700	51,400	48,900	44,500		110
115	67.5	226.8	63,200	57,000	51,200	46,300	71.5	226.4	50,100	49,800	48,300	44,000		115
120	66.1	224.2	60,900	56,100	50,400	45,800	70.2	223.9	48,600	48,400	47,700	43,500		120
125	64.8	221.4	58,900	55,200	49,700	45,200	68.8	221.3	47,200	47,000	46,500	43,000		125
130	63.4	218.5	56,900	54,300	49,000	44,600	67.5	218.5	45,900	45,600	45,200	42,600		130
135	62.0	215.4	55,100	53,500	48,300	44,000	66.1	215.5	44,700	44,400	44,000	42,100		135
140	60.6	212.2	53,400	52,700	47,700	43,500	64.7	212.4	43,500	43,200	42,900	41,700		140
145	59.2	208.8	51,800	51,400	47,100	43,000	63.3	209.1	42,300	42,200	41,900	41,200		145
150	57.8	205.1	50,300	50,000	46,400	42,500	61.8	205.6	41,300	41,100	40,900	40,200		150
155	56.3	201.3	48,900	48,600	45,900	42,000	60.3	201.9	40,300	40,200	39,900	39,300		155
160	54.8	197.3	47,600	47,200	45,300	41,500	58.8	198.0	39,400	39,200	39,000	38,500		160
165	53.2	193.0	46,300	45,900	44,800	41,100	57.3	193.9	38,500	38,400	38,100	37,700		165
170	51.6	188.5	45,100	44,800	44,300	40,600	55.7	189.6	37,700	37,500	37,300	36,900		170
175	50.0	183.8	43,900	43,600	43,300	40,200	54.1	185.0	36,900	36,700	36,600	36,200		175
180	48.3	178.7	42,900	42,600	42,300	39,800	52.4	180.1	36,100	35,900	35,800	35,500		180
185	46.6	173.4	41,800	41,600	41,300	39,400	50.7	175.0	35,300	35,200	35,000	34,800		185
190	44.8	167.7	40,900	40,600	40,400	39,000	48.9	169.5	34,600	34,600	34,400	34,200		190
195	42.9	161.6	39,900	39,600	39,500	38,700	47.1	163.6	34,000	33,900	33,800	33,600		195
200	41.0	155.1	39,000	38,800	38,600	38,400	45.2	157.4	33,400	33,300	33,200	33,100		200
205	39.0	148.1	38,200	38,000	37,800	37,600	43.2	150.7	32,800	32,700	32,600	32,500		205
210	36.8	140.6	37,400	37,200	37,000	36,800	41.1	143.5	32,300	32,200	32,100	32,000		210
215	34.6	132.4	36,700	36,500	36,200	36,100	38.9	135.7	31,800	31,700	31,600	31,500		215
220	32.1	123.3	36,000	35,700	35,600	35,400	36.5	127.1	31,400	31,200	31,200	31,000		220
230	26.6	101.8	34,700	34,500	34,000	32,600	34.0	117.6	30,900	30,900	30,700	30,600		230
240	19.1	71.8	33,700	31,200	30,000	28,900	28.0	94.7	30,300	30,100	30,100	30,000		240

MLC650 S-1



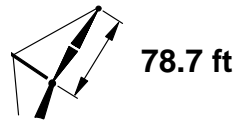
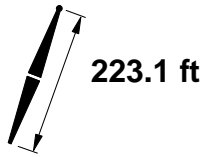
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			0°						0°						
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55	83.1	268.0	83,900	71,600											55
60	82.0	267.0	82,100	70,200	61,600	54,900 ^c	84.6	264.2	72,200	61,800					60
65	80.9	265.8	80,400	69,000	60,600	54,000	83.5	263.1	70,700	60,900	54,200				65
70	79.7	264.6	78,600	67,700	59,600	53,300	82.4	261.8	67,900	60,900					70
75	78.6	263.3	77,000	66,500	58,600	52,600	81.2	260.5	65,400	60,000	53,400	48,200			75
80	77.5	261.8	75,500	65,300	57,700	51,800	80.1	259.0	63,100	59,000	52,700	47,600			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
185	50.8	201.4	44,500	44,200	43,900	40,400	53.0	197.7	36,300	36,200	36,000	35,700			185
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
195	47.7	191.4	42,500	42,200	42,000	39,700	49.9	187.5	35,000	34,900	34,800	34,600			195
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
205	44.5	180.3	40,700	40,400	40,200	38,900	46.5	176.2	33,800	33,800	33,600	33,500			205
210	42.7	174.3	39,800	39,500	38,800	36,700	44.8	169.9	33,300	33,200	33,000	33,000			210
215	41.0	167.8	39,100	38,600	38,500	34,500	43.0	163.3	32,800	32,700	32,500	32,400			215
220	39.1	160.9	38,200	36,300	34,400	32,500	41.0	156.2	32,300	32,200	32,100	32,000			220
230	35.1	145.6	36,800	31,900	30,200	28,600	36.9	140.3	31,400	31,300	31,200	29,700			230
240	30.6	127.3	35,200	27,900	26,400	24,900	32.1	121.2	30,700	28,700	27,200	25,800			240
250	25.1	104.6	30,800	24,100	22,800	21,600									250

MLC650 S-1



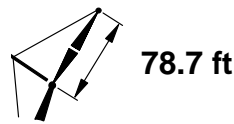
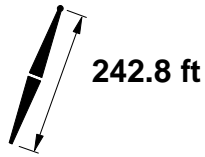
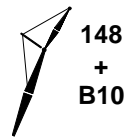
	10°							20°						
	ft	°	ft	Lift Capacity (lb)				ft	°	Lift Capacity (lb)				ft
				0°	1°	2°	3°			0°	1°	2°	3°	
50	84.6	288.8	86,200											50
55	83.6	288.0	84,400	71,800										55
60	82.5	287.0	82,700	70,600	61,800			85.0	284.2	72,400				60
65	81.5	286.0	81,100	69,400	60,900	54,200		84.0	283.1	71,200	62,000			65
70	80.5	284.8	79,500	68,300	59,900	53,500		82.9	282.0	69,200	61,100	54,300		70
75	79.4	283.6	78,000	67,100	59,000	52,900	81.9	280.7	66,800	60,200	53,600	48,300		75
80	78.4	282.3	76,500	66,000	58,300	52,100	80.8	279.4	64,500	59,400	53,000	47,800		80
85	77.3	280.8	75,100	65,000	57,400	51,500	79.7	278.0	62,400	58,600	52,400	47,300		85
90	76.3	279.3	73,700	63,900	56,600	50,800	78.7	276.4	60,400	57,900	51,700	46,800		90
95	75.2	277.7	72,400	62,900	55,800	50,100	77.6	274.8	58,500	57,100	51,100	46,300		95
100	74.1	276.0	71,100	62,000	55,000	49,600	76.5	273.0	56,800	56,400	50,500	45,800		100
105	73.0	274.1	69,900	61,100	54,300	49,000	75.4	271.1	55,200	54,800	49,900	45,300		105
110	71.9	272.2	68,700	60,100	53,600	48,300	74.3	269.2	53,600	53,300	49,400	44,900		110
115	70.8	270.1	67,500	59,300	52,900	47,800	73.2	267.1	52,200	51,800	48,800	44,400		115
120	69.7	267.9	66,400	58,400	52,200	47,200	72.1	264.9	50,800	50,500	48,400	44,000		120
125	68.6	265.6	65,200	57,600	51,500	46,600	71.0	262.6	49,500	49,200	47,800	43,600		125
130	67.5	263.2	63,200	56,800	50,900	45,600	69.8	260.1	48,300	48,000	47,300	43,200		130
135	66.4	260.7	61,300	56,100	50,300	45,600	68.7	257.6	47,100	46,800	46,300	42,800		135
140	65.2	258.0	59,500	55,300	49,700	45,100	67.5	254.9	45,900	45,700	45,200	42,400		140
145	64.0	255.2	57,800	54,600	49,100	44,600	66.3	252.0	44,900	44,600	44,200	42,000		145
150	62.9	252.3	56,200	53,800	48,500	44,100	65.1	249.1	43,900	43,700	43,300	41,600		150
155	61.7	249.3	54,700	53,100	47,900	43,700	63.9	246.0	42,900	42,700	42,300	41,400		155
160	60.5	246.0	53,300	52,500	47,400	43,200	62.7	242.7	42,000	41,800	41,500	40,800		160
165	59.2	242.7	51,900	51,500	46,900	42,800	61.5	239.3	41,100	40,900	40,600	40,000		165
170	58.0	239.2	50,600	50,200	46,400	42,400	60.2	235.7	40,300	40,100	39,800	39,200		170
175	56.7	235.5	49,400	49,000	45,900	42,000	58.9	232.0	39,500	39,300	39,100	38,500		175
180	55.5	231.6	48,200	47,800	45,400	41,600	57.6	228.1	38,700	38,500	38,400	37,800		180
185	54.2	227.6	47,100	46,700	45,000	41,200	56.3	224.0	38,000	37,800	37,600	37,200		185
190	52.8	223.3	46,000	45,700	44,600	40,800	54.9	219.6	37,300	37,100	37,000	36,500		190
195	51.5	218.9	45,000	44,700	44,300	39,500	53.5	215.1	36,600	36,500	36,300	35,900		195
200	50.1	214.2	44,000	42,500	39,700	37,100	52.1	210.4	36,000	35,900	35,700	35,400		200
205	48.7	209.3	43,100	39,800	37,300	34,800	50.7	205.4	35,400	35,200	35,100	34,800		205
210	47.2	204.2	42,200	37,300	34,900	32,500	49.2	200.1	34,800	34,700	34,500	34,300		210
215	45.7	198.7	41,400	34,900	32,600	30,400	47.7	194.6	34,300	34,100	34,000	32,200		215
220	44.2	193.0	40,600	32,600	30,500	28,400	46.1	188.7	33,700	33,600	32,200	30,000		220
230	40.9	180.6	36,800	28,300	26,400	24,500	42.8	175.9	32,800	29,800	27,900	25,900		230
240	37.4	166.5	32,200	24,400	22,600	21,000	39.1	161.4	31,900	25,600	23,900	22,200		240
250	33.5	150.3	27,900	20,700	19,100	17,600	35.1	144.6	28,900	21,700	20,100	18,600		250
260	29.1	131.1	23,800	17,200	15,800	14,500	30.5	124.5	24,600	17,900	16,600	15,200		260
270	23.9	107.3	19,900	13,900	12,700	11,600								270

MLC650 S-1



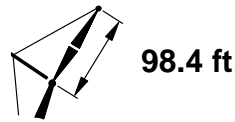
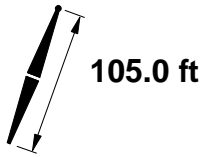
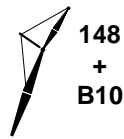
	10°							20°							
			0°						0°						
	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft
50	85.0	308.7	86,400												50
55	84.0	307.9	84,700	71,900											55
60	83.0	307.0	83,100	70,700											60
65	82.1	306.0	81,600	69,700	61,000			84.4	303.1	71,500					65
70	81.1	305.0	80,100	68,600	60,100	53,600		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
185	56.9	252.5	49,600	49,200	45,700	41,900		59.0	249.0	39,500	39,300	39,100	38,500		185
190	55.7	248.7	48,500	46,100	42,800	39,700		57.7	245.1	38,800	38,600	38,400	37,900		190
195	54.5	244.8	47,400	43,300	40,100	37,200		56.5	241.1	38,100	37,900	37,800	37,300		195
200	53.3	240.6	46,400	40,500	37,600	34,800		55.3	236.9	37,500	37,300	37,200	36,700		200
205	52.0	236.3	45,500	37,900	35,100	32,500		54.0	232.5	36,900	36,700	36,600	34,700		205
210	50.8	231.8	44,500	35,400	32,800	30,300		52.7	227.9	36,300	36,100	35,000	32,300		210
215	49.5	227.0	43,100	33,100	30,600	28,100		51.3	223.1	35,600	35,200	32,600	30,100		215
220	48.1	222.1	40,400	30,800	28,400	26,100		50.0	218.0	35,100	32,800	30,400	28,000		220
230	45.3	211.4	35,400	26,500	24,400	22,300		47.2	207.1	34,100	28,300	26,100	24,000		230
240	42.4	199.7	30,800	22,600	20,700	18,800		44.2	195.1	32,500	24,200	22,200	20,300		240
250	39.3	186.5	26,600	19,000	17,300	15,600		40.9	181.6	28,000	20,300	18,500	16,800		250
260	35.9	171.7	22,400	15,600	14,000	12,500		37.4	166.4	23,800	16,700	15,100	13,600		260
270	32.1	154.7	18,100	12,400	11,000	9,700		33.6	148.7	19,300	13,300	11,900	10,500		270
280	27.9	134.7	13,900	9,400	8,200	7,000		29.1	127.6	14,800	10,000	8,800	7,600		280
290	22.8	109.7	10,000	6,500											290

MLC650 S-1



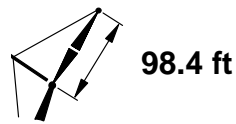
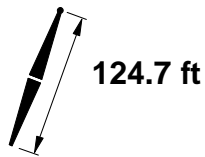
	10°							20°						
	ft	°	ft	0°				ft	°	0°				ft
				lb	lb	lb	lb			lb	lb	lb	lb	
55	84.4	327.8	85,000											55
60	83.5	327.0	83,500	70,900										60
65	82.6	326.1	82,000	69,800	61,000			84.7	323.1	71,600				65
70	81.7	325.1	80,600	68,800	60,200	53,600		83.8	322.1	70,600	61,300			70
75	80.7	324.0	79,300	67,900	59,500	53,000		82.9	321.0	69,000	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	51,800	47,600	43,300		63.3	279.7	42,500	42,300	41,900	41,000	175
180	60.3	279.9	53,200	48,500	44,500	40,800		62.3	276.4	41,800	41,500	41,200	40,500	180
185	59.3	276.6	52,000	45,300	41,500	38,000		61.2	273.1	41,000	40,800	40,500	39,800	185
190	58.2	273.2	50,900	42,300	38,700	35,400		60.1	269.6	40,300	40,000	39,800	38,200	190
195	57.1	269.6	49,800	39,400	36,100	32,900		59.0	265.9	39,500	39,400	38,800	35,600	195
200	56.0	265.8	48,500	36,700	33,500	30,500		57.9	262.2	38,900	38,800	38,200	33,100	200
205	54.9	261.9	45,400	34,100	31,100	28,200		56.7	258.2	38,300	36,700	33,600	30,700	205
210	53.7	257.9	42,500	31,600	28,700	26,000		55.5	254.1	37,700	34,100	31,200	28,400	210
215	52.5	253.7	39,700	29,200	26,500	23,900		54.4	249.8	37,100	31,600	28,800	26,200	215
220	51.4	249.3	37,000	27,000	24,400	21,900		53.2	245.3	36,500	29,200	26,600	24,100	220
230	48.9	239.9	32,000	22,700	20,400	18,200		50.7	235.8	34,200	24,800	22,400	20,100	230
240	46.4	229.6	27,100	18,800	16,700	14,700		48.1	225.3	29,400	20,700	18,500	16,400	240
250	43.7	218.4	22,100	15,200	13,300	11,500		45.3	213.9	24,300	16,900	14,900	13,000	250
260	40.8	206.0	17,600	11,900	10,200	8,500		42.4	201.2	19,500	13,300	11,500	9,800	260
270	37.8	192.3	13,300	8,700	7,200			39.3	187.1	15,000	10,000	8,400	6,800	270
280	34.5	176.8	9,300					35.9	171.1	10,700	6,800			280
290								32.1	152.6	6,600				290

MLC650 S-1



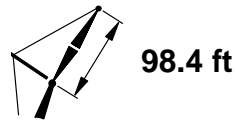
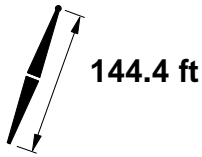
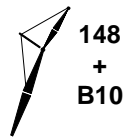
	10°						20°								
			440,900 lb						440,900 lb						
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb		2° lb	3° lb
45	84.3	210.2	68,700c												45
50	82.9	209.1	66,600b	56,100c	48,500d										50
55	81.5	207.9	64,700	54,600c	47,400c	41,900d									55
60	80.0	206.6	62,800	53,200b	46,300c	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
185	33.7	106.1	27,900	27,700	27,500	26,100	37.1	101.4		23,800	23,600	23,500	23,500		185
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
195	27.0	84.4	26,400	26,300	26,100	25,400	29.9	78.1		22,800	22,700	22,600	22,500		195
200	22.7	70.0	25,800	25,700	25,500	25,200									200
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MLC650 S-1



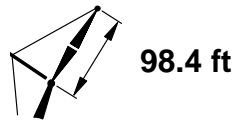
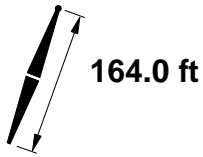
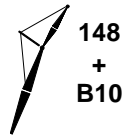
	10°							20°							
	ft	°	ft	440,900 lb				ft	°	ft	440,900 lb				ft
				0°	1°	2°	3°				0°	1°	2°	3°	
ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
45	84.8	230.2	69,300c											45	
50	83.5	229.2	67,300	56,500c										50	
55	82.2	228.1	65,500	55,300b	47,900c									55	
60	80.9	226.9	63,800	54,000	46,900b	41,500c								60	
65	79.6	225.6	62,100	52,800	45,900	40,700c	84.9	224.4	56,600b					65	
70	78.2	224.1	60,400	51,500	45,000	40,000	83.6	223.1	55,000	48,100c				70	
75	76.9	222.5	58,700	50,400	44,200	39,300	82.2	221.6	53,400	47,100	41,500c			75	
80	75.5	220.8	57,000	49,400	43,300	38,500	80.9	220.0	52,000	46,100	40,700	36,500c		80	
85	74.2	219.0	55,300	48,300	42,500	37,900	79.5	218.3	50,500	45,100	40,100	35,900		85	
90	72.8	217.0	53,700	47,300	41,700	37,200	78.1	216.4	48,700	44,200	39,400	35,400		90	
95	71.4	214.9	52,100	46,200	40,900	36,600	76.7	214.4	46,600	43,200	38,700	34,800		95	
100	70.0	212.6	50,600	45,200	40,100	36,000	75.3	212.2	44,700	42,100	38,000	34,300		100	
105	68.6	210.2	49,200	44,200	39,400	35,400	73.9	209.9	42,900	41,200	37,400	33,800		105	
110	67.1	207.6	47,900	43,100	38,700	34,800	72.4	207.5	41,300	40,300	36,700	33,300		110	
115	65.7	204.8	46,600	42,100	38,000	34,200	71.0	204.9	39,700	39,400	36,100	32,800		115	
120	64.2	201.9	45,400	41,100	37,300	33,700	69.5	202.1	38,300	38,000	35,400	32,300		120	
125	62.7	198.8	44,200	40,100	36,600	33,200	68.0	199.1	37,000	36,700	34,800	31,900		125	
130	61.2	195.6	43,100	39,200	35,900	32,600	66.4	196.0	35,700	35,500	34,100	31,400		130	
135	59.6	192.1	42,000	38,300	35,300	32,200	64.9	192.7	34,500	34,300	33,500	30,900		135	
140	58.0	188.4	40,500	37,500	34,500	31,600	63.3	189.1	33,500	33,200	32,800	30,500		140	
145	56.4	184.5	39,000	36,700	33,800	31,100	61.7	185.4	32,400	32,200	32,000	30,000		145	
150	54.7	180.4	37,700	35,900	33,200	30,600	60.0	181.4	31,400	31,200	31,100	29,600		150	
155	53.0	176.0	36,500	35,200	32,500	30,200	58.3	177.2	30,500	30,400	30,100	29,100		155	
160	51.3	171.3	35,400	34,400	31,900	29,700	56.6	172.7	29,700	29,500	29,300	28,600		160	
165	49.4	166.3	34,200	33,800	31,300	29,200	54.8	168.0	28,800	28,700	28,500	28,200		165	
170	47.6	161.1	33,200	32,900	30,700	28,700	53.0	162.9	28,100	27,900	27,800	27,600		170	
175	45.6	155.4	32,200	31,900	30,200	28,200	51.1	157.5	27,400	27,200	27,100	26,900		175	
180	43.6	149.3	31,300	31,100	29,700	27,800	49.1	151.7	26,700	26,500	26,400	26,300		180	
185	41.5	142.8	30,500	30,200	29,200	27,300	47.0	145.4	26,100	25,900	25,800	25,600		185	
190	39.3	135.7	29,600	29,400	28,700	26,900	44.8	138.7	25,500	25,300	25,200	25,100		190	
195	36.9	128.0	28,800	28,600	28,300	26,500	42.5	131.4	24,800	24,700	24,600	24,500		195	
200	34.4	119.5	28,100	27,900	27,700	26,200	40.1	123.4	24,300	24,200	24,100	24,000		200	
205	31.7	110.1	27,400	27,200	27,000	25,800	37.5	114.6	23,900	23,700	23,600	23,500		205	
210	28.7	99.4	26,800	26,600	26,400	25,500	34.6	104.6	23,400	23,300	23,100	23,100		210	
215	25.2	86.9	26,200	26,000	25,800	25,300	31.3	93.2	23,000	22,900	22,800	22,700		215	
220	21.1	71.5	25,600	25,500	25,300	25,200	27.6	79.6	22,600	22,500	22,400	22,300		220	

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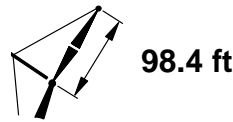
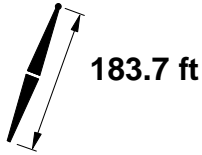
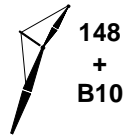
	10°						20°									
			440,900 lb						440,900 lb							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb		2° lb	3° lb	ft
50	84.1	249.2	67,900													50
55	82.9	248.2	66,200	55,700 ^b	48,200 ^c											55
60	81.7	247.1	64,600	54,500	47,300 ^b	41,800 ^c										60
65	80.4	245.9	63,000	53,400	46,400	41,000 ^c	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	41,800 ^c					70
75	78.0	243.1	59,900	51,200	44,700	39,700	81.6	240.4	52,700	46,600	41,100	36,800 ^c				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
185	47.0	173.7	32,900	32,600	30,500	28,500	50.1	169.9	27,000	26,900	26,700	26,600				185
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
195	43.3	162.0	31,200	30,900	29,600	27,700	46.4	157.8	25,900	25,700	25,600	25,500				195
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
205	39.4	148.5	29,600	29,400	28,700	26,900	42.3	144.0	24,800	24,700	24,500	24,500				205
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
215	35.0	132.8	28,300	28,000	27,800	26,200	37.8	127.7	23,900	23,800	23,700	23,600				215
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-1



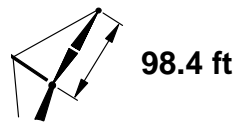
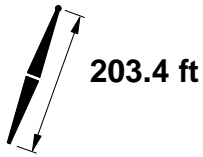
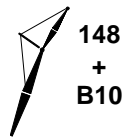
ft	10°							20°							ft
	ft	°	ft	Load (lb)				ft	°	ft	Load (lb)				
				0°	1°	2°	3°				0°	1°	2°	3°	
50	84.5	269.1	68,400												50
55	83.4	268.2	66,700	56,000b											55
60	82.3	267.2	65,300	55,000	47,600b										60
65	81.2	266.1	63,800	53,900	46,700	41,400b		84.6	263.3	56,000					65
70	80.1	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
185	51.1	201.7	35,300	34,400	31,800	29,600		54.1	198.0	28,600	28,400	28,200	28,000		185
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
195	48.1	191.8	33,500	33,200	30,800	28,700		51.0	187.8	27,300	27,200	27,000	26,900		195
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
205	44.8	180.7	31,900	31,600	29,900	28,000		47.6	176.5	26,200	26,100	26,000	25,800		205
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
215	41.3	168.2	30,400	30,100	29,100	27,200		44.1	163.7	25,200	25,100	25,000	24,800		215
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-1



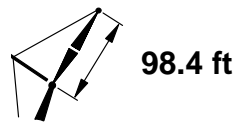
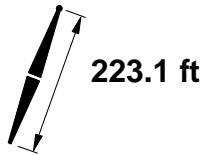
	10°							20°							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft
50	84.9	289.0	68,800												50
55	83.9	288.2	67,300	56,300											55
60	82.8	287.2	65,800	55,300	47,800b										60
65	81.8	286.2	64,500	54,300	47,100	41,600b	85.0	283.3	56,400						65
70	80.8	285.1	63,100	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
185	54.5	227.8	37,600	35,700	33,000	30,400	57.3	224.2	30,000	29,800	29,600	28,700			185
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
195	51.8	219.2	35,700	34,600	32,000	29,700	54.5	215.3	28,800	28,600	28,400	28,100			195
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
205	49.0	209.6	34,000	33,500	31,100	29,000	51.7	205.6	27,600	27,500	27,300	27,200			205
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
215	46.0	199.1	32,500	32,100	30,200	28,200	48.7	194.8	26,600	26,400	26,300	26,100			215
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	27,400	25,900	24,400	36.2	144.9	23,600	23,500	23,400	23,300			250
260	29.5	131.6	26,900	24,000	22,700	21,400	31.6	124.9	23,000	22,900	22,800	22,300			260
270	24.3	107.9	26,100	20,800	19,600	18,500									270
280	17.2	74.5	23,200	17,600	16,600	15,700									280

MLC650 S-1



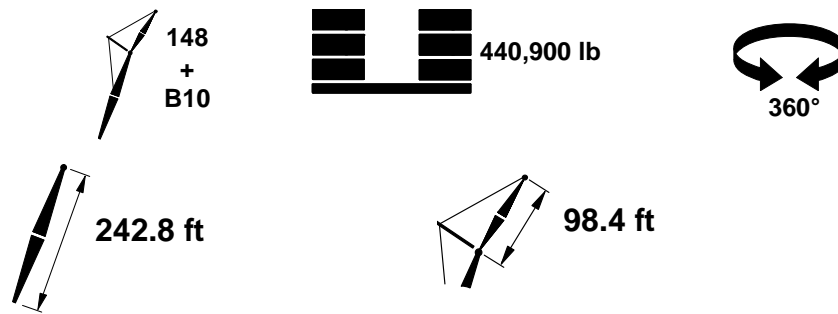
	10°							20°							
	ft	°	ft	440,900 lb				ft	°	ft	440,900 lb				ft
				0°	1°	2°	3°				0°	1°	2°	3°	
55	84.3	308.1	67,600												55
60	83.3	307.2	66,200	55,500											60
65	82.4	306.3	65,000	54,600	47,200										65
70	81.4	305.2	63,700	53,700	46,500	41,100	84.3	302.2	55,500						70
75	80.4	304.1	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
185	57.2	252.8	39,700	36,900	34,000	31,200	59.9	249.1	31,400	31,200	31,000	29,400			185
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
195	54.8	245.0	37,800	35,900	33,100	30,500	57.4	241.3	30,100	29,900	29,700	28,700			195
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
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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
215	49.8	227.3	34,500	33,800	31,300	29,200	52.3	223.2	27,900	27,700	27,500	27,400			215
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	31,400	29,300	27,200	48.1	207.3	26,400	26,200	26,100	26,000			230
240	42.7	200.0	31,000	27,500	25,600	23,700	45.1	195.3	25,600	25,400	25,200	25,200			240
250	39.6	186.9	29,700	23,900	22,100	20,400	41.9	181.9	24,800	24,600	23,800	22,000			250
260	36.2	172.1	27,600	20,500	18,900	17,400	38.4	166.6	24,000	21,900	20,300	18,800			260
270	32.5	155.2	23,900	17,300	15,900	14,600	34.5	149.0	23,400	18,500	17,100	15,700			270
280	28.2	135.2	20,400	14,300	13,100	11,900	30.0	127.9	21,400	15,200	14,000	12,700			280
290	23.2	110.3	16,500	11,500	10,400	9,400									290

MLC650 S-1



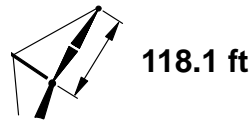
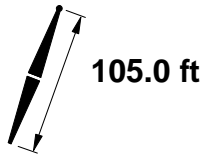
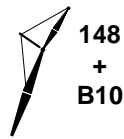
	10°						20°									
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb		2° lb	3° lb	ft
55	84.6	328.0	67,800													55
60	83.7	327.2	66,500	55,600												60
65	82.8	326.3	65,200	54,800	47,300											65
70	81.9	325.3	64,100	53,800	46,700	41,200		84.7	322.2	55,700						70
75	81.0	324.2	63,000	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
185	59.6	276.9	41,800	38,100	35,000	31,800		62.1	273.2	32,700	32,400	32,200	30,000			185
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
195	57.4	269.8	39,900	37,000	34,000	31,100		59.8	266.1	31,400	31,200	30,900	29,300			195
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
205	55.1	262.2	38,000	35,900	33,100	30,500		57.6	258.3	30,200	30,000	29,800	28,700			205
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
215	52.8	253.9	36,400	35,000	32,300	29,900		55.2	249.9	29,100	28,900	28,700	28,200			215
220	51.6	249.5	35,600	33,600	31,100	28,600		54.0	245.5	28,600	28,400	28,200	27,900			220
230	49.2	240.2	34,100	29,400	27,100	24,900		51.5	235.9	27,600	27,400	27,200	27,100			230
240	46.7	229.9	32,800	25,600	23,500	21,400		48.9	225.5	26,700	26,500	25,600	23,500			240
250	44.0	218.7	30,000	22,000	20,100	18,200		46.2	214.0	25,800	23,900	22,000	20,100			250
260	41.1	206.4	26,100	18,600	16,900	15,200		43.3	201.4	25,100	20,400	18,600	16,900			260
270	38.1	192.6	22,300	15,500	14,000	12,400		40.2	187.2	24,000	17,000	15,400	13,900			270
280	34.8	177.2	18,300	12,600	11,200	9,800		36.8	171.3	20,000	13,900	12,400	11,000			280
290	31.2	159.4	14,500	9,900	8,600	7,400		33.0	152.8	15,900	10,900	9,600	8,300			290
300	27.1	138.6	10,900	7,200				28.7	130.8	12,000	8,000	6,900				300
310	22.1	112.5	7,400													310

MLC650 S-1



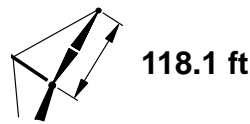
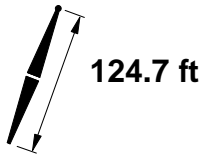
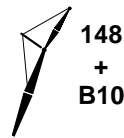
	10°				20°					
	ft	°	ft	0°		ft	°	0°		
				lb	lb			lb		lb
55	84.9		347.9	67,800					55	
60	84.1		347.1	66,700					60	
65	83.2		346.3	65,500	54,800				65	
70	82.4		345.3	64,400	54,000	85.0	342.2	56,000	70	
75	81.5		344.3	63,400	53,300	84.1	341.2	54,900	75	
80	80.7		343.2	62,300	52,500	83.3	340.1	54,000	80	
85	79.8		342.1	61,300	51,800	82.4	338.9	53,000	85	
90	79.0		340.8	60,300	51,000	81.5	337.6	52,200	90	
95	78.1		339.5	59,300	50,300	80.6	336.3	51,200	95	
100	77.2		338.1	58,300	49,700	79.8	334.9	50,400	100	
105	76.3		336.6	57,200	49,000	78.9	333.4	49,500	105	
110	75.5		335.0	56,200	48,300	78.0	331.8	48,400	110	
115	74.6		333.4	55,200	47,700	77.1	330.1	47,100	115	
120	73.7		331.6	54,100	47,000	76.2	328.3	45,800	120	
125	72.8		329.8	53,100	46,400	75.3	326.5	44,600	125	
130	71.9		327.9	52,100	45,800	74.4	324.5	43,500	130	
135	71.0		325.8	51,200	45,200	73.5	322.5	42,400	135	
140	70.1		323.7	50,300	44,600	72.5	320.4	41,300	140	
145	69.2		321.5	49,400	44,000	71.6	318.1	40,400	145	
150	68.2		319.2	48,600	43,400	70.7	315.8	39,400	150	
155	67.3		316.8	47,700	42,800	69.7	313.4	38,500	155	
160	66.4		314.4	46,900	42,200	68.8	310.9	37,700	160	
165	65.4		311.8	46,100	41,500	67.8	308.2	36,900	165	
170	64.5		309.0	45,400	40,900	66.9	305.5	36,100	170	
175	63.5		306.2	44,600	40,300	65.9	302.7	35,300	175	
180	62.5		303.3	43,900	39,700	64.9	299.7	34,600	180	
185	61.5		300.3	43,200	39,200	63.9	296.6	33,900	185	
190	60.6		297.1	42,500	38,600	62.9	293.4	33,300	190	
195	59.5		293.8	41,800	38,100	61.9	290.1	32,600	195	
200	58.5		290.4	40,900	37,500	60.9	286.6	32,000	200	
205	57.5		286.8	40,000	36,900	59.8	283.0	31,400	205	
210	56.5		283.2	39,200	34,400	58.8	279.3	30,800	210	
215	55.4		279.3	38,300	32,100	57.7	275.4	30,300	215	
220	54.3		275.4	37,500	29,800	56.6	271.4	29,700	220	
230	52.1		266.9	35,300	25,600	54.4	262.8	28,700	230	
240	49.9		257.8	30,700	21,800	52.1	253.5	27,800	240	
250	47.5		247.9	26,100	18,200	49.7	243.4	26,900	250	
260	45.0		237.1	21,600	14,900	47.1	232.5	24,400	260	
270	42.4		225.4	17,400	11,800	44.5	220.4	19,900	270	
280	39.7		212.4	13,500	8,900	41.7	207.2	15,700	280	
290	36.8		198.1	9,800		38.7	192.4	11,700	290	
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MLC650 S-1



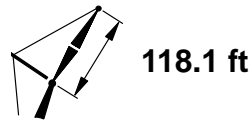
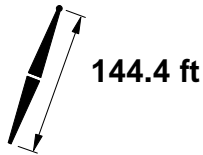
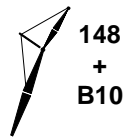
	10°						20°									
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb		2° lb	3° lb	ft
50	84.9	229.1	53,600c													50
55	83.6	228.0	51,900b	43,600c												55
60	82.3	226.8	50,200	42,500c	36,600c											60
65	80.9	225.4	48,500	41,400b	35,900c	31,500c										65
70	79.6	224.0	46,900	40,300	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
185	42.8	142.6	22,900	21,500	20,300	19,000	46.9	138.3	19,800	19,600	19,200	18,200				185
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
195	38.3	127.8	21,800	20,500	19,400	18,200	42.2	122.9	18,800	18,700	18,500	17,600				195
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
205	33.0	109.8	20,800	19,700	18,600	17,600	36.6	104.0	17,900	17,800	17,700	17,100				205
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
215	26.5	86.5	20,100	19,000	17,900	17,000	29.6	78.8	17,200	17,200	17,000	16,800				215
220	22.3	71.0	19,700	18,700	17,700	16,900										220

MLC650 S-1



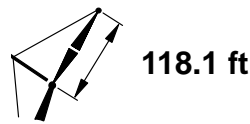
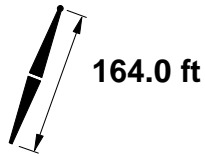
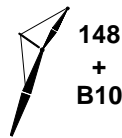
	10°							20°							
	ft	°	ft	440,900 lb				ft	°	ft	440,900 lb				ft
				0°	1°	2°	3°				0°	1°	2°	3°	
55	84.1	248.0	52,400											55	
60	82.9	246.9	50,900	42,900c	37,000c									60	
65	81.7	245.7	49,300	42,000	36,200c	31,800c								65	
70	80.5	244.4	47,900	40,900	35,500b	31,300c								70	
75	79.2	242.9	46,300	40,000	34,800	30,700b	84.9	241.5	41,900					75	
80	78.0	241.3	44,900	39,000	34,100	30,100	83.6	240.0	40,700	35,900b				80	
85	76.8	239.7	43,500	38,000	33,400	29,600	81.1	236.7	38,300	34,100	30,500	27,400b		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	
185	48.2	173.5	24,500	22,900	21,500	20,000	52.0	169.3	21,100	21,000	20,200	19,000		185	
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	
195	44.5	161.7	23,300	21,900	20,600	19,300	48.3	157.2	20,100	20,000	19,500	18,400		195	
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	
205	40.6	148.2	22,300	21,000	19,800	18,600	44.2	143.3	19,200	19,000	18,800	17,800		205	
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	
215	36.2	132.5	21,400	20,100	19,000	18,000	39.6	126.9	18,400	18,300	18,200	17,400		215	
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-1



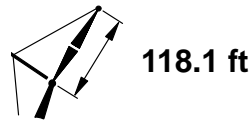
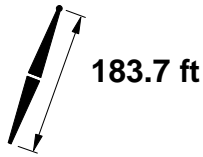
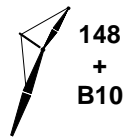
	10°							20°							
			0°						0°						
	ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft
55	84.6	268.0	52,900												55
60	83.4	267.0	51,500	43,300 ^c											60
65	82.3	265.9	50,000	42,300	36,500 ^c										65
70	81.2	264.6	48,600	41,400	35,800	31,500 ^c									70
75	80.1	263.3	47,300	40,600	35,100	30,900 ^b	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	31,500 ^b				80
85	77.8	260.3	44,600	38,700	33,900	29,900	81.8	257.2	38,900	34,600	30,900	27,600 ^b			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
185	52.3	201.4	26,000	24,300	22,600	21,000	55.9	197.3	22,400	22,200	21,000	19,700			185
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
195	49.2	191.5	24,800	23,200	21,700	20,300	52.7	187.1	21,400	21,200	20,400	19,100			195
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
205	45.9	180.4	23,700	22,200	20,900	19,500	49.4	175.7	20,400	20,300	19,700	18,600			205
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
215	42.4	167.9	22,800	21,400	20,200	18,900	45.8	162.8	19,500	19,400	19,100	18,000			215
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-1



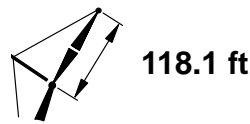
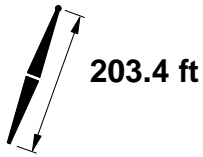
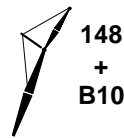
	10°							20°							
	ft	°	ft	440,900 lb				ft	°	ft	440,900 lb				ft
				0°	1°	2°	3°				0°	1°	2°	3°	
55	84.9	287.9	53,300												55
60	83.9	287.0	52,000	43,400b											60
65	82.9	285.9	50,600	42,600	36,700c										65
70	81.8	284.8	49,300	41,800	36,000	31,700c									70
75	80.8	283.6	48,000	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
185	55.5	227.5	27,400	25,500	23,600	21,800	58.9	223.4	23,500	23,300	21,800	20,300			185
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
195	52.8	218.8	26,200	24,400	22,700	21,100	56.2	214.5	22,500	22,300	21,100	19,700			195
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
205	50.0	209.3	25,100	23,500	21,900	20,400	53.3	204.8	21,500	21,400	20,400	19,200			205
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
215	47.1	198.7	24,100	22,600	21,200	19,700	50.3	193.9	20,600	20,500	19,900	18,700			215
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-1



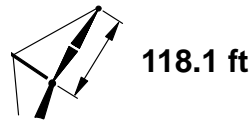
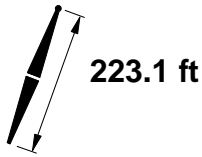
	10°						20°								
	ft	°	ft	440,900 lb				ft	°	ft	440,900 lb				
				0°	1°	2°	3°				0°	1°		2°	3°
ft	°	ft	lb	lb	lb	lb	ft	°	ft	lb	lb	lb	lb	ft	
60	84.3	307.0	52,400												60
65	83.3	306.0	51,100	42,900											65
70	82.4	304.9	49,900	42,100	36,300										70
75	81.4	303.8	48,700	41,400	35,700	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
185	58.2	252.5	28,800	26,600	24,500	22,600	61.4	248.3	24,700	24,200	22,500	20,900			185
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
195	55.8	244.7	27,600	25,600	23,700	21,800	59.0	240.4	23,600	23,300	21,800	20,300			195
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
205	53.3	236.2	26,400	24,600	22,900	21,200	56.4	231.8	22,600	22,400	21,200	19,700			205
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
215	50.7	227.0	25,400	23,700	22,100	20,600	53.8	222.3	21,700	21,500	20,600	19,300			215
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	18,200	17,200	16,100									290

MLC650 S-1



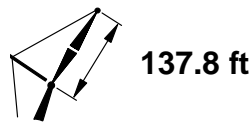
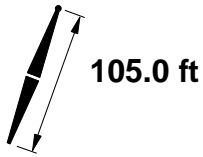
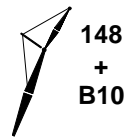
ft	10°							20°							ft
	ft	°	ft	440,900 lb				ft	°	ft	440,900 lb				
				0°	1°	2°	3°				0°	1°	2°	3°	
lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb		
60	84.7	326.9	52,600											60	
65	83.8	326.0	51,500	43,100										65	
70	82.9	325.0	50,400	42,300	36,400									70	
75	81.9	323.9	49,300	41,600	35,900	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		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	
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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	
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185	60.5	276.5	30,000	27,600	25,300	23,200	63.5	272.3	25,700	24,900	23,100	21,400		185	
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	
195	58.3	269.5	28,900	26,600	24,500	22,600	61.3	265.2	24,600	24,100	22,400	20,800		195	
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	
205	56.0	261.8	27,700	25,600	23,700	21,900	59.0	257.4	23,600	23,400	21,800	20,300		205	
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	
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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	19,100	17,600	41.5	185.9	18,700	18,600	18,500	17,600		270	
280	35.7	176.6	21,300	17,700	16,300	14,900	38.1	169.8	18,100	18,000	17,700	16,300		280	
290	32.1	158.8	20,700	14,900	13,700	12,400	34.3	151.2	17,700	16,100	14,800	13,600		290	
300	27.9	137.8	17,600	12,300	11,200	10,000	29.9	128.8	17,300	13,200	12,000	10,900		300	
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MLC650 S-1



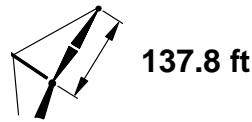
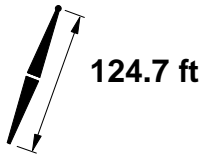
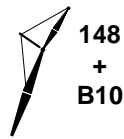
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	°	ft	440,900 lb				°	ft	440,900 lb				
			0°	1°	2°	3°			0°	1°	2°	3°	
lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb		
60	85.0	346.8	52,800										60
65	84.1	345.9	51,700										65
70	83.3	345.0	50,600	42,400									70
75	82.4	344.0	49,600	41,800	35,900								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
185	62.4	299.9	31,200	28,500	26,000	23,800	65.3	295.7	26,700	25,500	23,600	21,800	185
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
195	60.4	293.4	30,000	27,500	25,200	23,100	63.2	289.1	25,600	24,800	23,000	21,300	195
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
205	58.4	286.5	28,900	26,600	24,500	22,500	61.2	282.0	24,600	24,000	22,400	20,800	205
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
215	56.3	278.9	27,800	25,800	23,800	21,900	59.0	274.4	23,600	23,400	21,800	20,300	215
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	21,900	20,000	18,200	48.4	231.2	20,200	20,000	19,600	18,400	260
270	43.3	224.9	23,000	18,800	17,000	15,400	45.8	219.2	19,500	19,400	19,000	17,300	270
280	40.5	211.9	22,300	15,900	14,300	12,800	42.9	205.8	18,900	17,700	16,000	14,500	280
290	37.6	197.5	19,000	13,100	11,700	10,300	39.9	190.9	18,400	14,700	13,200	11,800	290
300	34.4	181.3	15,400	10,500	9,200	8,000	36.6	174.1	17,200	11,900	10,500	9,200	300
310	30.8	162.8	12,100	8,100	6,900		32.8	154.6	13,500	9,200	8,000	6,800	310
320	26.8	140.9	8,800				28.5	131.3	9,900	6,500			320

MLC650 S-1



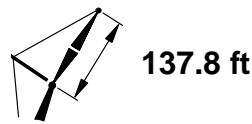
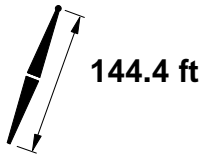
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	ft	°	ft	440,900 lb				ft	°	440,900 lb				ft
				0°	1°	2°	3°			0°	1°	2°	3°	
50	84.7	249.5	45,200c											50
55	83.5	248.5	43,700b	36,800c										55
60	82.3	247.4	42,100	35,700c	30,700c									60
65	81.1	246.2	40,500	34,600b	30,100c	26,200c								65
70	79.9	244.9	39,000	33,500	29,300b	25,700c								70
75	78.7	243.5	37,600	32,500	28,400b	25,200c	84.2	241.5	30,300					75
80	77.4	241.9	36,200	31,400	27,700	24,600b	82.9	239.9	29,200	26,200b	23,600c			80
85	76.2	240.2	34,800	30,400	26,900	24,000	81.7	238.3	28,100	25,400	22,900b	20,800c		85
90	74.9	238.4	33,400	29,400	26,100	23,400	80.4	236.5	27,100	24,500	22,300	20,300b		90
95	73.7	236.5	32,200	28,500	25,400	22,800	79.1	234.6	26,200	23,800	21,700	19,700		95
100	72.4	234.4	30,900	27,500	24,600	22,200	77.9	232.5	25,300	23,000	21,000	19,200		100
105	71.1	232.3	29,800	26,600	23,900	21,600	76.6	230.3	24,400	22,300	20,400	18,700		105
110	69.8	229.9	28,700	25,800	23,200	21,000	75.3	228.0	23,600	21,600	19,900	18,200		110
115	68.5	227.5	27,600	24,900	22,500	20,400	73.9	225.6	22,800	20,900	19,300	17,700		115
120	67.2	224.9	26,600	24,100	21,800	19,900	72.6	223.0	22,000	20,300	18,700	17,300		120
125	65.9	222.1	25,600	23,300	21,200	19,300	71.2	220.2	21,300	19,700	18,200	16,800		125
130	64.5	219.2	24,700	22,500	20,600	18,800	69.9	217.3	20,600	19,100	17,600	16,400		130
135	63.1	216.1	23,800	21,700	19,900	18,300	68.5	214.2	19,900	18,500	17,200	15,900		135
140	61.7	212.9	22,900	21,000	19,300	17,700	67.1	211.0	19,300	17,900	16,700	15,500		140
145	60.3	209.5	22,100	20,300	18,700	17,200	65.6	207.6	18,600	17,400	16,200	15,100		145
150	58.8	205.9	21,300	19,700	18,200	16,800	64.2	203.9	18,100	16,900	15,700	14,700		150
155	57.4	202.1	20,600	19,000	17,700	16,300	62.7	200.1	17,500	16,300	15,300	14,200		155
160	55.8	198.0	19,900	18,400	17,100	15,900	61.1	196.1	17,000	15,900	14,900	13,900		160
165	54.3	193.8	19,200	17,800	16,600	15,400	59.6	191.9	16,500	15,500	14,400	13,500		165
170	52.7	189.3	18,600	17,300	16,100	14,900	58.0	187.4	16,000	15,000	14,100	13,100		170
175	51.1	184.6	18,000	16,700	15,600	14,500	56.3	182.6	15,500	14,600	13,700	12,900		175
180	49.4	179.6	17,300	16,100	15,100	14,100	54.7	177.6	15,000	14,100	13,300	12,500		180
185	47.7	174.2	16,700	15,700	14,700	13,700	52.9	172.2	14,600	13,800	12,900	12,200		185
190	45.9	168.6	16,200	15,200	14,200	13,300	51.1	166.5	14,200	13,400	12,600	11,900		190
195	44.1	162.5	15,700	14,700	13,800	12,900	49.2	160.4	13,800	13,000	12,300	11,600		195
200	42.2	156.1	15,200	14,300	13,400	12,600	47.3	153.9	13,400	12,700	11,900	11,300		200
205	40.2	149.1	14,700	13,800	13,000	12,300	45.3	146.9	13,000	12,400	11,700	11,100		205
210	38.0	141.7	14,300	13,500	12,700	11,900	43.1	139.3	12,700	12,000	11,400	10,700		210
215	35.8	133.5	13,800	13,100	12,300	11,600	40.8	131.1	12,400	11,800	11,100	10,500		215
220	33.4	124.6	13,500	12,700	12,000	11,300	38.3	122.0	12,100	11,500	10,900	10,300		220
230	27.9	103.4	12,700	12,000	11,400	10,800								230
240	20.6	74.1	12,200	11,500	10,900	10,300								240

MLC650 S-1



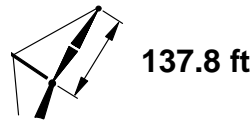
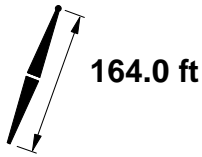
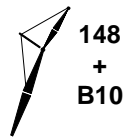
	10°						20°									
			440,900 lb						440,900 lb							
	ft	°	ft	0° lb	1° lb	2° lb	3° lb	ft	°	ft	0° lb	1° lb		2° lb	3° lb	ft
55	84.0	268.5	44,200 ^b													55
60	82.9	267.5	42,800	36,200 ^c												60
65	81.8	266.4	41,300	35,100 ^b	30,400 ^c											65
70	80.7	265.2	39,900	34,100	29,700 ^b	26,000 ^c										70
75	79.5	263.9	38,500	33,100	29,000	25,500 ^b	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 ^b						80
85	77.3	260.9	35,900	31,200	27,500	24,500	82.3	258.7	28,700	25,800	23,200 ^b					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 ^b				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
185	51.8	202.1	18,200	16,900	15,700	14,600	56.6	199.8	15,500	14,600	13,700	12,900				185
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
195	48.7	192.2	17,100	15,900	14,900	13,900	53.5	189.9	14,700	13,900	13,100	12,300				195
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
205	45.5	181.2	16,100	15,100	14,100	13,300	50.2	178.8	14,000	13,200	12,500	11,800				205
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
215	42.0	168.8	15,200	14,200	13,400	12,600	46.7	166.2	13,300	12,600	11,900	11,200				215
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-1



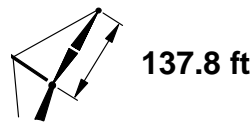
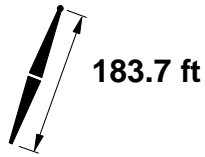
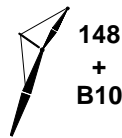
	10°							20°							
	ft	°	ft	440,900 lb				ft	°	ft	440,900 lb				ft
				0°	1°	2°	3°				0°	1°	2°	3°	
lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb		
55	84.4	288.5	44,600											55	
60	83.4	287.6	43,300	36,500c										60	
65	82.4	286.5	42,000	35,600	30,600c									65	
70	81.3	285.4	40,600	34,600	30,000b	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	
185	55.1	228.3	19,500	18,100	16,700	15,500	59.6	225.7	16,500	15,400	14,400	13,500		185	
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	
195	52.4	219.6	18,400	17,100	15,900	14,800	56.8	217.0	15,600	14,700	13,800	12,900		195	
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	
205	49.6	210.1	17,300	16,200	15,100	14,100	54.0	207.5	14,900	14,000	13,200	12,400		205	
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	
215	46.7	199.5	16,400	15,400	14,300	13,500	51.0	196.8	14,200	13,400	12,600	11,800		215	
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-1



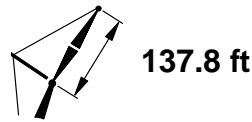
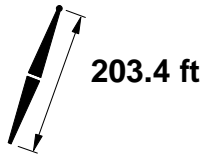
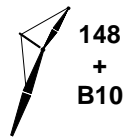
	10°						20°							
	ft	°	ft	440,900 lb				ft	°	440,900 lb				
				0°	1°	2°	3°			0°	1°	2°		3°
55	84.8	308.4	45,000											55
60	83.8	307.5	43,700											60
65	82.9	306.6	42,500	35,900										65
70	81.9	305.5	41,200	35,000	30,200									70
75	80.9	304.4	40,100	34,100	29,600	25,800 ^b								75
80	80.0	303.1	38,900	33,300	29,100	25,400	84.4	300.5	30,400					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
185	57.8	253.2	20,700	19,100	17,700	16,400	62.0	250.5	17,200	16,100	15,100	14,000		185
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
195	55.4	245.4	19,700	18,200	16,900	15,700	59.6	242.7	16,400	15,400	14,400	13,500		195
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
205	52.9	237.0	18,600	17,300	16,000	14,900	57.0	234.2	15,700	14,700	13,800	13,000		205
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
215	50.3	227.8	17,600	16,500	15,300	14,200	54.4	224.9	14,900	14,100	13,200	12,400		215
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

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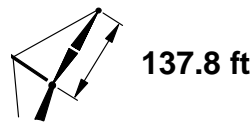
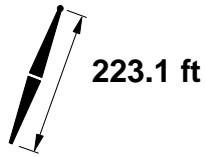
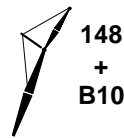
	10°							20°							
	ft	°	ft					ft	°	ft					ft
				0° lb	1° lb	2° lb	3° lb				0° lb	1° lb	2° lb	3° lb	
60	84.2	327.5	44,200												60
65	83.3	326.6	42,900	36,200											65
70	82.4	325.6	41,800	35,400	30,400										70
75	81.5	324.5	40,700	34,600	29,900	25,800b									75
80	80.6	323.4	39,600	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
185	60.1	277.2	21,900	20,200	18,500	17,100	64.0	274.4	18,000	16,800	15,600	14,600			185
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
195	57.9	270.2	20,800	19,200	17,700	16,400	61.8	267.3	17,200	16,100	15,000	14,000			195
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
205	55.7	262.6	19,700	18,300	17,000	15,700	59.5	259.7	16,400	15,400	14,400	13,500			205
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
215	53.4	254.3	18,800	17,400	16,200	15,000	57.2	251.3	15,700	14,800	13,900	13,000			215
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

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ft	10°						20°						ft		
	ft	°	ft	440,900 lb				ft	°	ft	440,900 lb				
				0°	1°	2°	3°				0°	1°		2°	3°
lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb		
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	
185	62.0	300.6	23,000	21,100	19,300	17,700	65.7	297.6	18,700	17,400	16,100	15,100		185	
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	
195	60.0	294.1	21,900	20,100	18,500	17,000	63.7	291.1	17,900	16,700	15,600	14,500		195	
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	
205	58.0	287.2	20,900	19,200	17,700	16,300	61.7	284.1	17,100	16,000	14,900	14,000		205	
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	
215	55.9	279.7	19,900	18,400	17,000	15,800	59.5	276.6	16,400	15,400	14,400	13,500		215	
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	12,200	11,000	9,900	33.8	159.4	11,800	11,200	10,600	10,100		310	
320	26.6	142.5	12,600	9,900	8,800	7,800	29.6	137.0	11,500	10,900	9,800	8,800		320	
330	21.8	115.5	11,300	7,600	6,700									330	

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	10°							20°						
	ft	°	ft	Load (lb)				ft	°	Load (lb)				ft
				0°	1°	2°	3°			0°	1°	2°	3°	
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					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
185	63.7	323.5	24,100	21,900	20,000	18,300	67.3	320.4	19,300	17,900	16,600	15,400		185
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
195	61.9	317.5	22,900	21,000	19,200	17,600	65.4	314.4	18,600	17,200	16,100	14,900		195
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
205	60.0	311.1	21,900	20,100	18,500	16,900	63.5	307.9	17,800	16,600	15,400	14,400		205
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
215	58.1	304.2	20,900	19,200	17,700	16,300	61.5	301.0	17,100	15,900	14,900	13,900		215
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	12,100	44.8	228.4	13,000	12,300	11,600	11,000		290
300	38.9	218.8	14,500	12,600	11,200	9,800	42.1	214.7	12,600	11,900	11,200	10,600		300
310	36.0	203.9	13,900	10,300	9,000	7,700	39.2	199.6	12,300	11,600	10,600	9,300		310
320	32.9	187.1	12,000	8,000	6,800		36.0	182.5	11,900	9,500	8,200	7,000		320
330	29.5	168.0	9,000				32.5	162.9	10,700	7,100				330
340							28.4	139.5	7,500					340