

Liftcrane Boom Capacities

Jib No. 148 on
 Boom No. B60:680
 with Mast No. M11:684
 440,900 lb VPC (Variable Position Counterweight)
 Crawler Machine on a Barge
 0 Degree thru 2 Degree Static Machine List
 No Travel - 360 Degree Rating

MLC650 VPC-MAX SERIES 1

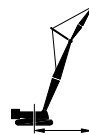


LIFTING CAPACITIES: Chart supplements Boom Capacity chart No. 9628-A. Lifting capacities are for a crawler machine when operating on a barge. Machine shall be positively secured to prevent shifting. Lifting capacities for various boom lengths, jib lengths, and jib operating radii are for freely suspended 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 8,200 lb minimum weight suspended beneath jib point and (c) require 15,500 lb minimum weight. **Caution: Do not operate in areas indicated by (b) or (c) 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. 81022686, Jib Rigging No. 81023385, Mast Rigging No. 84050187, Wire Rope Specifications chart No. 9532-A, Counterweight Arrangements chart No. 9349-A, and Wind Conditions chart No. 9531-A. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.



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



BOOM ANGLE: Boom angle in degrees ($^{\circ}$) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



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

MACHINE EQUIPMENT: Machine equipped with VPC-MAX, 36 ft 6 in. crawlers, 60 in. or 80 in. treads, 36 ft 1 in. live mast, 118.1 ft mast, 16 part boom hoist reeving, boom support straps, and 440,900 lb VPC.

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

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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.

Select counterweight position from Table 1 or 2 that will allow raising and lowering of boom and jib length. Counterweight position selection may be changed with jib on barge deck or while jib is within operating range of capacity chart.

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 1a

Over End or Side of Crawlers												
Boom Length (ft)	39.4 ft Jib Length						59.1 ft Jib Length					
	Counterweight Position											
	38.7 ft			60.0 ft			38.7 ft			60.0 ft		
	Machine List											
	0°	1°	2°	0°	1°	2°	0°	1°	2°	0°	1°	2°
	Block Weight (lb)											
144.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
164.0	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
183.7	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
203.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
223.1	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
242.8	22,600	22,600	22,600	46,500	46,500	46,500	22,600	22,600	22,600	46,500	46,500	46,500
262.5	16,200	16,200	16,200	46,500	46,500	46,500	16,200	#	#	46,500	46,500	46,500
282.2	#	#	#	22,600	22,600	22,600	#	#	#	22,600	22,600	22,600
301.8				22,600	22,600	22,600				22,600	22,600	22,600
321.5				#	#	#				#	#	#
341.2				#	#	#				#	#	#

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Table 1b

Over End or Side of Crawlers												
Boom Length (ft)	78.7 ft Jib Length						98.4 ft Jib Length					
	Counterweight Position											
	38.7 ft			60.0 ft			38.7 ft			60.0 ft		
	Machine List											
	0°	1°	2°	0°	1°	2°	0°	1°	2°	0°	1°	2°
	Block Weight (lb)											
144.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
164.0	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
183.7	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
203.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
223.1	46,500	22,600	22,600	46,500	46,500	46,500	22,600	22,600	22,600	46,500	46,500	46,500
242.8	22,600	22,600	22,600	46,500	46,500	46,500	22,600	22,600	22,600	46,500	46,500	46,500
262.5	#	#	#	46,500	46,500	46,500	#	#	#	46,500	46,500	46,500
282.2	#	#		22,600	22,600	22,600	#			22,600	22,600	22,600
301.8				22,600	22,600	22,600				22,600	16,200	16,200
321.5				#	#	#				#	#	#
341.2				#								

Table 1c

Over End or Side of Crawlers												
Boom Length (ft)	118.1 ft Jib Length						137.8 ft Jib Length					
	Counterweight Position											
	38.7 ft			60.0 ft			38.7 ft			60.0 ft		
	Machine List											
	0°	1°	2°	0°	1°	2°	0°	1°	2°	0°	1°	2°
	Block Weight (lb)											
144.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
164.0	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
183.7	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
203.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
223.1	22,600	22,600	22,600	46,500	46,500	46,500	22,600	22,600	22,600	46,500	46,500	46,500
242.8	22,600	22,600	22,600	46,500	46,500	46,500	16,200	16,200	16,200	46,500	46,500	46,500
262.5	#	#	#	46,500	46,500	46,500	#	#	#	46,500	46,500	46,500
282.2				22,600	22,600	22,600				22,600	22,600	22,600
301.8				16,200	16,200	16,200				16,200	16,200	16,200
321.5				#	#	#				#	#	#
341.2												

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Table 2a

Over End of Blocked Crawlers												
Boom Length (ft)	39.4 ft Jib Length						59.1 ft Jib Length					
	Counterweight Position											
	38.7 ft			60.0 ft			38.7 ft			60.0 ft		
	Machine List											
	0°	1°	2°	0°	1°	2°	0°	1°	2°	0°	1°	2°
Block Weight (lb)												
144.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
164.0	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
183.7	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
203.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
223.1	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
242.8	22,600	22,600	22,600	46,500	46,500	46,500	22,600	22,600	22,600	46,500	46,500	46,500
262.5	16,200	16,200	16,200	46,500	46,500	46,500	16,200	16,200	16,200	46,500	46,500	46,500
282.2	#	#	#	22,600	22,600	22,600	#	#	#	22,600	22,600	22,600
301.8	#	#	#	22,600	22,600	22,600	#	#	#	22,600	22,600	22,600
321.5				#	#	#				#	#	#
341.2				#	#	#				#	#	#

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 2b

Over End of Blocked Crawlers												
Boom Length (ft)	78.7 ft Jib Length						98.4 ft Jib Length					
	Counterweight Position											
	38.7 ft			60.0 ft			38.7 ft			60.0 ft		
	Machine List											
	0°	1°	2°	0°	1°	2°	0°	1°	2°	0°	1°	2°
Block Weight (lb)												
144.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
164.0	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
183.7	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
203.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
223.1	46,500	46,500	46,500	46,500	46,500	46,500	22,600	22,600	22,600	46,500	46,500	46,500
242.8	22,600	22,600	22,600	46,500	46,500	46,500	22,600	22,600	22,600	46,500	46,500	46,500
262.5	#	#	#	46,500	46,500	46,500	#	#	#	46,500	46,500	46,500
282.2	#	#	#	22,600	22,600	22,600	#	#	#	22,600	22,600	22,600
301.8	#	#	#	22,600	22,600	22,600				22,600	22,600	22,600
321.5				#	#	#				#	#	#
341.2				#	#	#				#	#	#

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.*

MLC650 VPC-MAX S-1



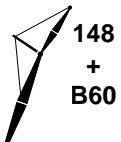
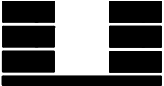


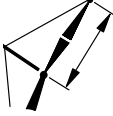
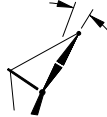


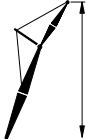

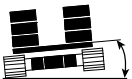

Table 2c

Over End of Blocked Crawlers												
Boom Length (ft)	118.1 ft Jib Length						137.8 ft Jib Length					
	Counterweight Position											
	38.7 ft			60.0 ft			38.7 ft			60.0 ft		
	Machine List											
	0°	1°	2°	0°	1°	2°	0°	1°	2°	0°	1°	2°
	Block Weight (lb)											
144.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
164.0	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
183.7	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
203.4	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500	46,500
223.1	22,600	22,600	22,600	46,500	46,500	46,500	22,600	22,600	22,600	46,500	46,500	46,500
242.8	22,600	22,600	22,600	46,500	46,500	46,500	16,200	16,200	16,200	46,500	46,500	46,500
262.5	#	#	#	46,500	46,500	46,500	#	#	#	46,500	46,500	46,500
282.2	#	#	#	22,600	22,600	22,600	#	#	#	22,600	22,600	22,600
301.8				16,200	16,200	16,200				16,200	16,200	16,200
321.5				#	#	#				#	#	#
341.2				#	#	#				#	#	#
				#	#	#				#	#	

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.*

REFERENCE

Explanation of Symbols

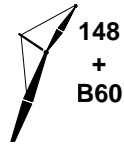
	Jib No. 148 + Boom No. B60:680
	VPC (Variable Position Counterweight)
	360 Degree Rating
	Boom Length
	Jib Length
	Jib Offset Angle
	Operating Radius (see page 1)
	Boom Angle (see page 1)
	Jib Point Elevation (see page 1)
	Counterweight Position from Axis of Rotation
	Machine List
	Lifting Capacities (see page 1)

REFERENCE ONLY!

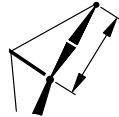
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REFERENCE ONLY!

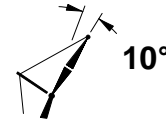
MLC650 VPC-MAX S-1



144.4 ft



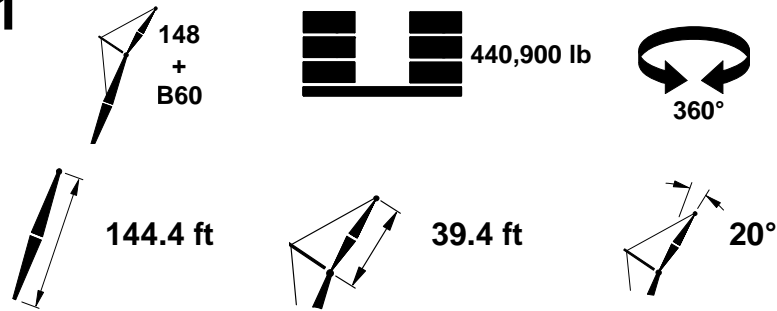
39.4 ft



10°

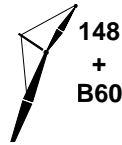
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
38	82.8	191.7	143,300c			143,300c			38
40	82.1	191.3	143,300c			143,300c			40
45	80.5	190.3	143,300b	137,400b	125,700b	143,300b	137,400b	125,700b	45
50	78.9	189.1	143,300b	136,500b	125,100b	143,300b	136,500b	125,100b	50
55	77.3	187.7	143,300	135,800	124,400	143,300	135,800	124,400	55
60	75.7	186.2	143,300	135,100	123,900	143,300	135,100	123,900	60
65	74.1	184.6	143,300	134,500	123,400	143,300	134,500	123,400	65
70	72.4	182.8	143,300	133,900	122,700	143,300	133,900	122,700	70
75	70.8	180.8	142,500	131,400	120,800	142,500	131,400	120,800	75
80	69.1	178.7	135,500	128,800	118,800	135,500	128,800	118,800	80
85	67.4	176.4	129,200	126,300	116,900	129,200	126,300	116,900	85
90	65.6	173.9	123,400	122,500	115,100	123,400	122,500	115,100	90
95	63.9	171.2	118,300	117,400	113,200	118,300	117,400	113,200	95
100	62.1	168.3	113,500	112,700	111,400	113,500	112,700	111,400	100
105	60.2	165.2	109,100	108,400	107,700	109,100	108,400	107,700	105
110	58.4	161.8	105,000	104,400	103,700	105,000	104,400	103,700	110
115	56.5	158.2	101,300	100,700	100,100	101,300	100,700	100,100	115
120	54.5	154.4	97,900	97,300	96,700	97,900	97,300	96,700	120
125	52.5	150.3	94,600	94,100	93,600	94,600	94,100	93,600	125
130	50.4	145.8	91,700	91,200	90,700	91,700	91,200	90,700	130
135	48.2	141.0	88,900	88,400	88,100	88,900	88,400	88,100	135
140	46.0	135.9	86,400	86,000	85,500	86,400	86,000	85,500	140
145	43.7	130.3	84,000	83,600	83,100	84,000	83,600	83,100	145
150	41.2	124.2	81,800	81,400	81,000	81,800	81,400	81,000	150
155	38.6	117.5	79,800	79,300	79,000	79,800	79,300	79,000	155
160	35.9	110.2	77,800	77,400	77,100	77,800	77,400	77,100	160
165	32.9	101.9	76,000	75,700	75,300	76,000	75,700	75,300	165
170	29.6	92.6	74,500	74,100	73,800	74,500	74,100	73,800	170
175	25.9	81.7	73,000	72,100	70,600	73,000	72,700	72,400	175
180	21.5	68.4	68,700	67,500	66,300	71,900	71,500	71,200	180

MLC650 VPC-MAX S-1

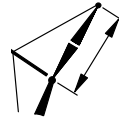


			38.7 ft			60.0 ft			
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
38									38
40									40
45	82.4	188.8	143,300 ^c			143,300 ^c			45
50	80.8	187.6	140,100 ^b			140,100 ^b			50
55	79.2	186.2	133,300 ^b			133,300 ^b			55
60	77.5	184.7	127,200			127,200			60
65	75.9	183.1	121,600			121,600			65
70	74.2	181.3	116,600			116,600			70
75	72.5	179.3	112,000			112,000			75
80	70.8	177.1	107,800			107,800			80
85	69.1	174.8	103,900			103,900			85
90	67.3	172.3	100,300			100,300			90
95	65.5	169.5	97,000			97,000			95
100	63.7	166.6	93,900			93,900			100
105	61.9	163.5	91,100			91,100			105
110	60.0	160.1	88,400			88,400			110
115	58.1	156.4	86,000			86,000			115
120	56.1	152.6	83,700			83,700			120
125	54.0	148.4	81,600			81,600			125
130	51.9	143.9	79,600			79,600			130
135	49.7	139.0	77,800			77,800			135
140	47.5	133.7	76,100			76,100			140
145	45.1	128.0	74,500			74,500			145
150	42.6	121.8	73,000			73,000			150
155	40.0	115.0	71,700			71,700			155
160	37.1	107.5	70,500			70,500			160
165	34.0	99.0	69,400			69,400			165
170	30.6	89.3	68,500			68,500			170
175	26.7	77.9	67,800			67,800			175
180									180

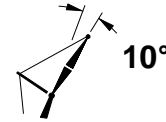
MLC650 VPC-MAX S-1



164.0 ft



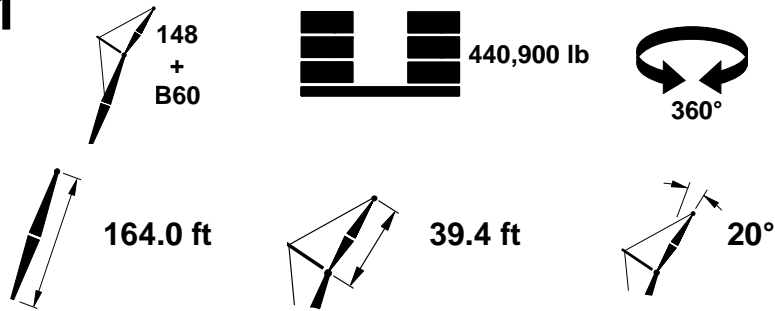
39.4 ft



10°

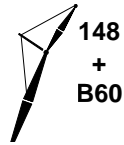
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
40	82.9	211.3	143,300b			143,300b			40
45	81.5	210.3	143,300	137,500		143,300	137,500		45
50	80.0	209.3	143,300	136,700	125,000	143,300	136,700	125,000	50
55	78.6	208.1	143,300	135,900	124,400	143,300	135,900	124,400	55
60	77.1	206.8	143,300	135,300	123,900	143,300	135,300	123,900	60
65	75.7	205.3	143,300	134,700	123,400	143,300	134,700	123,400	65
70	74.2	203.7	143,300	134,100	123,000	143,300	134,100	123,000	70
75	72.7	201.9	143,300	133,700	122,600	143,300	133,700	122,600	75
80	71.2	200.0	143,300	131,900	120,900	143,300	131,900	120,900	80
85	69.7	198.0	137,900	129,500	119,200	137,900	129,500	119,200	85
90	68.2	195.8	132,000	127,200	117,500	132,000	127,200	117,500	90
95	66.6	193.4	126,600	125,100	115,800	126,600	125,100	115,800	95
100	65.0	190.8	121,600	120,700	114,200	121,600	120,700	114,200	100
105	63.4	188.1	117,000	116,200	112,600	117,000	116,200	112,600	105
110	61.8	185.2	112,800	112,000	111,000	112,800	112,000	111,000	110
115	60.2	182.1	108,900	108,200	107,500	108,900	108,200	107,500	115
120	58.5	178.8	105,300	104,600	103,900	105,300	104,600	103,900	120
125	56.8	175.3	101,900	101,300	100,700	101,900	101,300	100,700	125
130	55.0	171.5	98,800	98,200	97,600	98,800	98,200	97,600	130
135	53.2	167.5	95,800	95,200	94,700	95,800	95,200	94,700	135
140	51.4	163.3	93,100	92,600	92,000	93,100	92,600	92,000	140
145	49.5	158.7	90,500	90,000	89,500	90,500	90,000	89,500	145
150	47.5	153.8	88,100	87,600	87,200	88,100	87,600	87,200	150
155	45.5	148.6	85,800	85,400	85,000	85,800	85,400	85,000	155
160	43.4	143.0	83,700	82,500	79,700	83,700	83,300	82,900	160
165	41.1	136.9	79,900	77,300	74,800	81,700	81,300	80,900	165
170	38.8	130.3	74,800	72,400	70,100	79,900	79,400	79,100	170
175	36.4	123.1	69,900	67,700	65,600	78,100	77,800	77,400	175
180	33.7	115.2	65,200	63,300	61,400	76,600	76,200	75,900	180
190	27.7	96.4	56,500	55,000	53,500	73,700	73,400	73,100	190
200	19.9	70.4	48,400	47,300	46,300	71,600	71,200	70,900	200

MLC650 VPC-MAX S-1

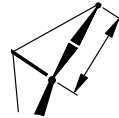


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
40									40
45									45
50	81.7	207.8	143,300b	132,300b		143,300b	132,300b		50
55	80.2	206.6	137,700	130,600	120,200	137,700	130,600	120,200	55
60	78.8	205.2	131,800	128,400	118,500	131,800	128,400	118,500	60
65	77.3	203.7	126,400	125,900	117,000	126,400	125,900	117,000	65
70	75.8	202.1	121,400	121,000	115,300	121,400	121,000	115,300	70
75	74.3	200.3	116,800	116,500	113,700	116,800	116,500	113,700	75
80	72.8	198.4	112,700	112,300	110,900	112,700	112,300	110,900	80
85	71.3	196.4	108,800	108,500	107,300	108,800	108,500	107,300	85
90	69.7	194.1	105,200	104,900	103,800	105,200	104,900	103,800	90
95	68.1	191.7	101,900	101,600	100,700	101,900	101,600	100,700	95
100	66.6	189.2	98,800	98,500	97,700	98,800	98,500	97,700	100
105	64.9	186.4	96,000	95,700	95,000	96,000	95,700	95,000	105
110	63.3	183.5	93,300	93,000	92,400	93,300	93,000	92,400	110
115	61.6	180.4	90,800	90,500	90,000	90,800	90,500	90,000	115
120	59.9	177.0	88,400	88,100	87,800	88,400	88,100	87,800	120
125	58.2	173.5	86,200	86,000	85,700	86,200	86,000	85,700	125
130	56.4	169.7	84,100	83,900	83,700	84,100	83,900	83,700	130
135	54.6	165.6	82,200	82,000	81,700	82,200	82,000	81,700	135
140	52.7	161.3	80,300	80,100	80,000	80,300	80,100	80,000	140
145	50.8	156.7	78,700	78,500	78,200	78,700	78,500	78,200	145
150	48.8	151.7	77,000	76,800	76,700	77,000	76,800	76,700	150
155	46.8	146.4	75,600	75,400	75,200	75,600	75,400	75,200	155
160	44.6	140.7	74,200	74,000	73,800	74,200	74,000	73,800	160
165	42.4	134.5	72,900	72,700	72,600	72,900	72,700	72,600	165
170	40.0	127.8	71,700	71,500	71,300	71,700	71,500	71,400	170
175	37.5	120.4	70,600	68,800	66,700	70,600	70,400	70,300	175
180	34.8	112.3	66,200	64,200	62,300	69,700	69,500	69,300	180
190	28.6	92.8	57,100	55,600	54,100	68,100	68,000	67,800	190
200									200

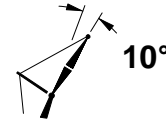
MLC650 VPC-MAX S-1



183.7 ft



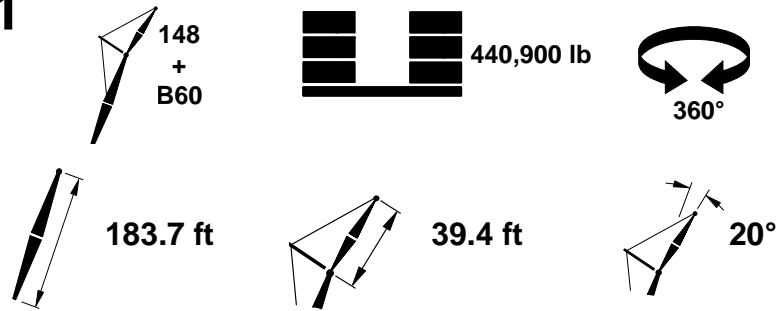
39.4 ft



10°

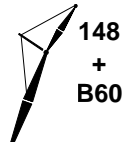
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
45	82.2	230.4	143,300			143,300			45
50	80.9	229.4	143,300	136,800	125,000	143,300	136,800	125,000	50
55	79.6	228.3	143,300	136,100	124,400	143,300	136,100	124,400	55
60	78.3	227.1	143,300	135,500	124,000	143,300	135,500	124,000	60
65	77.0	225.8	143,300	134,800	123,400	143,300	134,800	123,400	65
70	75.6	224.3	143,300	134,400	123,000	143,300	134,400	123,000	70
75	74.3	222.7	143,300	133,900	122,600	143,300	133,900	122,600	75
80	72.9	221.0	143,300	133,400	122,300	143,300	133,400	122,300	80
85	71.6	219.2	143,300	132,200	121,000	143,300	132,200	121,000	85
90	70.2	217.2	139,900	130,000	119,500	139,900	130,000	119,500	90
95	68.8	215.1	134,400	127,900	117,900	134,400	127,900	117,900	95
100	67.4	212.8	129,300	125,900	116,400	129,300	125,900	116,400	100
105	66.0	210.4	124,600	123,600	114,900	124,600	123,600	114,900	105
110	64.5	207.8	120,100	119,300	113,500	120,100	119,300	113,500	110
115	63.1	205.1	116,100	115,200	112,000	116,100	115,200	112,000	115
120	61.6	202.2	112,300	111,500	110,600	112,300	111,500	110,600	120
125	60.1	199.1	108,800	108,000	107,300	108,800	108,000	107,300	125
130	58.6	195.8	105,500	104,800	104,100	105,500	104,800	104,100	130
135	57.0	192.3	102,300	101,800	101,200	102,300	101,800	101,200	135
140	55.4	188.7	99,500	98,900	96,900	99,500	98,900	96,900	140
145	53.8	184.8	96,700	94,700	90,500	96,700	96,200	95,600	145
150	52.1	180.6	92,600	88,500	84,600	94,200	93,700	93,100	150
155	50.4	176.2	86,400	82,600	79,100	91,800	91,200	90,800	155
160	48.7	171.6	80,600	77,100	73,900	89,500	89,000	88,500	160
165	46.9	166.6	75,100	71,900	68,900	87,400	86,900	86,500	165
170	45.0	161.3	70,000	67,100	64,300	85,400	84,900	84,500	170
175	43.1	155.7	65,100	62,400	59,900	83,500	83,000	82,600	175
180	41.1	149.6	60,500	58,100	55,700	81,700	81,200	80,900	180
190	36.8	136.1	52,000	49,900	48,000	78,400	78,000	77,700	190
200	31.9	119.9	44,200	42,500	40,900	75,600	75,200	74,900	200
210	26.2	99.9	37,000	35,700	34,500	73,100	72,800	72,500	210
220	18.6	72.2	30,300	29,300	28,400	71,300	71,000	70,700	220

MLC650 VPC-MAX S-1

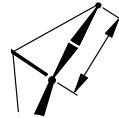


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
45									45
50	82.4	227.8	143,300			143,300			50
55	81.1	226.8	141,500	131,700		141,500	131,700		55
60	79.8	225.5	135,800	129,600	119,400	135,800	129,600	119,400	60
65	78.5	224.2	130,500	127,700	117,900	130,500	127,700	117,900	65
70	77.1	222.7	125,700	125,200	116,400	125,700	125,200	116,400	70
75	75.8	221.1	121,200	120,800	115,000	121,200	120,800	115,000	75
80	74.4	219.4	117,100	116,700	113,600	117,100	116,700	113,600	80
85	73.0	217.6	113,200	112,900	111,500	113,200	112,900	111,500	85
90	71.6	215.6	109,700	109,300	108,100	109,700	109,300	108,100	90
95	70.2	213.4	106,400	106,100	105,000	106,400	106,100	105,000	95
100	68.8	211.1	103,300	102,900	102,000	103,300	102,900	102,000	100
105	67.4	208.7	100,400	100,100	99,200	100,400	100,100	99,200	105
110	65.9	206.1	97,700	97,400	96,600	97,700	97,400	96,600	110
115	64.5	203.3	95,100	94,800	94,200	95,100	94,800	94,200	115
120	63.0	200.4	92,700	92,500	91,900	92,700	92,500	91,900	120
125	61.4	197.3	90,500	90,200	89,700	90,500	90,200	89,700	125
130	59.9	194.0	88,400	88,100	87,700	88,400	88,100	87,700	130
135	58.3	190.5	86,300	86,100	85,800	86,300	86,100	85,800	135
140	56.7	186.7	84,400	84,200	84,000	84,400	84,200	84,000	140
145	55.1	182.8	82,700	82,400	82,200	82,700	82,400	82,200	145
150	53.4	178.6	81,000	80,700	80,600	81,000	80,700	80,600	150
155	51.7	174.2	79,400	79,200	79,000	79,400	79,200	79,000	155
160	49.9	169.5	77,900	77,700	75,700	77,900	77,700	77,500	160
165	48.1	164.4	76,500	73,700	70,700	76,500	76,300	76,100	165
170	46.2	159.1	71,600	68,700	65,900	75,200	75,000	74,800	170
175	44.2	153.4	66,600	63,900	61,400	74,000	73,800	73,600	175
180	42.2	147.2	61,900	59,400	57,100	72,800	72,600	72,500	180
190	37.8	133.4	53,100	51,000	49,100	70,700	70,600	70,400	190
200	32.8	116.8	45,000	43,300	41,700	69,000	68,900	68,800	200
210	26.8	96.0	37,500	36,200	34,900	67,900	67,700	67,600	210
220									220

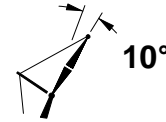
MLC650 VPC-MAX S-1



203.4 ft



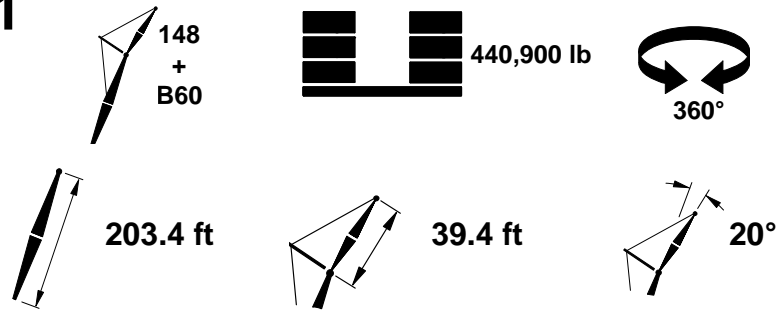
39.4 ft



10°

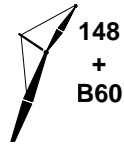
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
45	82.9	250.3	143,300			143,300			45
50	81.7	249.4	143,300	136,700		143,300	136,700		50
55	80.5	248.4	143,300	136,000	124,200	143,300	136,000	124,200	55
60	79.3	247.3	143,300	135,400	123,700	143,300	135,400	123,700	60
65	78.1	246.1	143,300	134,900	123,300	143,300	134,900	123,300	65
70	76.8	244.8	143,300	134,300	122,900	143,300	134,300	122,900	70
75	75.6	243.4	143,300	133,800	122,500	143,300	133,800	122,500	75
80	74.4	241.8	143,300	133,400	122,200	143,300	133,400	122,200	80
85	73.1	240.1	143,300	133,000	121,800	143,300	133,000	121,800	85
90	71.9	238.3	143,300	132,300	120,800	143,300	132,300	120,800	90
95	70.6	236.4	141,700	130,300	119,500	141,700	130,300	119,500	95
100	69.4	234.3	136,500	128,400	118,100	136,500	128,400	118,100	100
105	68.1	232.1	131,600	126,500	116,700	131,600	126,500	116,700	105
110	66.8	229.8	127,100	124,800	115,300	127,100	124,800	115,300	110
115	65.5	227.4	122,900	122,000	114,000	122,900	122,000	114,000	115
120	64.1	224.8	119,000	118,100	112,700	119,000	118,100	112,700	120
125	62.8	222.0	115,300	114,500	111,400	115,300	114,500	111,400	125
130	61.4	219.1	111,900	111,100	109,900	111,900	111,100	110,200	130
135	60.0	216.0	108,700	104,300	98,700	108,700	107,900	107,200	135
140	58.6	212.8	102,600	97,100	92,000	105,700	105,000	104,300	140
145	57.2	209.3	95,400	90,400	85,700	102,800	102,200	101,600	145
150	55.8	205.7	88,800	84,200	79,800	100,100	99,500	98,900	150
155	54.3	201.9	82,600	78,300	74,300	97,600	97,000	96,400	155
160	52.8	197.9	76,800	72,800	69,100	95,200	94,700	94,100	160
165	51.2	193.7	71,300	67,600	64,200	92,900	92,400	91,800	165
170	49.6	189.2	66,100	62,800	59,600	90,800	90,300	89,800	170
175	48.0	184.4	61,300	58,100	55,200	88,700	88,200	87,800	175
180	46.4	179.4	56,700	53,800	51,000	86,800	86,300	86,000	180
190	42.9	168.4	48,200	45,700	43,400	83,300	82,900	82,400	190
200	39.1	155.9	40,500	38,400	36,400	80,100	79,700	79,300	200
210	35.0	141.5	33,500	31,700	30,000	77,300	76,900	76,600	210
220	30.3	124.4	27,000	25,500	24,100	74,800	74,500	74,100	220
230	24.8	103.1	21,000	19,800	18,700	72,700	72,400	72,100	230
240	17.4	73.7	15,200	14,300	13,500	71,100	70,900	70,500	240

MLC650 VPC-MAX S-1

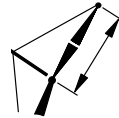


ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
45									45
50									50
55	81.9	246.9	143,300	131,500		143,300	131,500		55
60	80.6	245.8	139,300	130,500	119,800	139,300	130,500	119,800	60
65	79.4	244.5	134,200	128,700	118,500	134,200	128,700	118,500	65
70	78.2	243.2	129,400	127,000	117,100	129,400	127,000	117,100	70
75	77.0	241.7	125,100	124,600	115,900	125,100	124,600	115,900	75
80	75.7	240.2	121,000	120,600	114,600	121,000	120,600	114,600	80
85	74.5	238.5	117,300	116,800	113,300	117,300	116,800	113,300	85
90	73.2	236.7	113,700	113,300	112,000	113,700	113,300	112,000	90
95	71.9	234.7	110,400	110,100	108,800	110,400	110,100	108,800	95
100	70.7	232.7	107,400	107,000	105,900	107,400	107,000	105,900	100
105	69.4	230.4	104,500	104,100	103,100	104,500	104,100	103,100	105
110	68.1	228.1	101,700	101,400	100,500	101,700	101,400	100,500	110
115	66.7	225.6	99,200	98,900	98,000	99,200	98,900	98,000	115
120	65.4	223.0	96,700	96,500	95,700	96,700	96,500	95,700	120
125	64.0	220.2	94,400	94,100	93,500	94,400	94,100	93,500	125
130	62.7	217.3	92,300	92,000	91,500	92,300	92,000	91,500	130
135	61.3	214.2	90,200	90,000	89,500	90,200	90,000	89,500	135
140	59.9	210.9	88,300	88,000	87,700	88,300	88,000	87,700	140
145	58.4	207.5	86,500	86,200	85,900	86,500	86,200	85,900	145
150	57.0	203.8	84,700	84,500	82,300	84,700	84,500	84,300	150
155	55.5	200.0	83,100	80,700	76,600	83,100	82,800	82,700	155
160	53.9	195.9	79,000	75,000	71,300	81,500	81,300	81,100	160
165	52.4	191.6	73,400	69,700	66,200	80,000	79,800	79,600	165
170	50.8	187.1	68,100	64,700	61,500	78,600	78,400	78,300	170
175	49.1	182.3	63,100	60,000	57,000	77,300	77,100	76,900	175
180	47.4	177.2	58,400	55,500	52,700	76,000	75,800	75,700	180
190	43.9	166.0	49,600	47,200	44,800	73,800	73,600	73,400	190
200	40.1	153.3	41,700	39,600	37,500	71,800	71,600	71,400	200
210	35.8	138.6	34,400	32,700	30,900	70,000	69,900	69,700	210
220	31.1	121.0	27,700	26,200	24,800	68,600	68,500	68,300	220
230									230
240									240

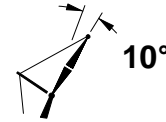
MLC650 VPC-MAX S-1



223.1 ft



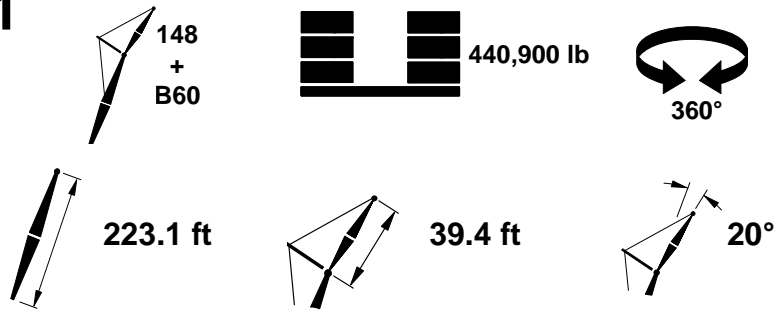
39.4 ft



10°

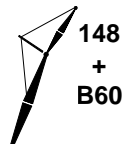
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
50	82.3	269.4	143,300			143,300			50
55	81.2	268.5	143,300	135,700		143,300	135,700		55
60	80.1	267.5	143,300	135,100	123,200	143,300	135,100	123,200	60
65	79.0	266.4	143,300	134,600	122,800	143,300	134,600	122,800	65
70	77.8	265.1	143,300	134,100	122,500	143,300	134,100	122,500	70
75	76.7	263.8	143,300	133,600	122,100	143,300	133,600	122,100	75
80	75.6	262.4	143,300	133,200	121,800	143,300	133,200	121,800	80
85	74.4	260.8	143,300	132,800	121,500	143,300	132,800	121,500	85
90	73.3	259.2	143,300	132,500	121,200	143,300	132,500	121,200	90
95	72.1	257.4	143,300	132,100	120,500	143,300	132,100	120,500	95
100	71.0	255.6	142,600	130,300	119,200	142,600	130,300	119,200	100
105	69.8	253.6	138,200	128,500	118,000	138,200	128,500	118,000	105
110	68.6	251.4	133,600	126,900	116,800	133,600	126,900	116,800	110
115	67.4	249.2	129,300	125,300	115,500	129,300	125,300	115,500	115
120	66.2	246.8	125,300	123,700	114,300	125,300	123,700	114,300	120
125	65.0	244.3	121,500	118,800	111,500	121,500	120,600	113,100	125
130	63.8	241.7	117,600	110,500	103,800	118,000	117,100	112,000	130
135	62.5	238.9	109,300	102,700	96,600	114,600	113,800	110,900	135
140	61.3	236.0	101,600	95,600	89,900	111,500	110,800	109,700	140
145	60.0	233.0	94,500	88,900	83,700	108,600	107,800	107,100	145
150	58.7	229.7	87,800	82,600	77,800	105,800	105,100	104,400	150
155	57.4	226.4	81,600	76,800	72,300	103,100	102,500	101,900	155
160	56.1	222.8	75,700	71,300	67,100	100,700	100,000	99,400	160
165	54.7	219.1	70,200	66,100	62,300	98,300	97,700	97,100	165
170	53.3	215.1	65,100	61,300	57,700	96,100	95,400	95,000	170
175	51.9	211.0	60,200	56,700	53,300	93,900	93,300	92,800	175
180	50.5	206.7	55,600	52,300	49,200	91,900	91,400	90,800	180
190	47.5	197.3	47,100	44,300	41,600	88,100	87,600	87,100	190
200	44.3	186.8	39,500	37,000	34,600	84,700	84,300	83,800	200
210	41.0	175.1	32,500	30,400	28,300	81,700	81,200	80,900	210
220	37.3	161.8	26,100	24,300	22,500	78,900	78,500	78,100	220
230	33.4	146.6	20,200	18,700	17,200	76,400	76,000	75,700	230
240	28.9	128.5	14,800	13,500	12,200	74,200	73,800	73,600	240
250	23.5	106.1	9,600	8,500	7,500	72,300	72,000	71,700	250

MLC650 VPC-MAX S-1

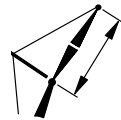


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
50									50
55	82.5	266.9	143,300			143,300			55
60	81.4	265.9	142,300	130,700		142,300	130,700		60
65	80.2	264.8	137,400	129,300	118,800	137,400	129,300	118,800	65
70	79.1	263.5	132,800	127,700	117,600	132,800	127,700	117,600	70
75	78.0	262.2	128,500	126,200	116,400	128,500	126,200	116,400	75
80	76.8	260.7	124,500	124,100	115,200	124,500	124,100	115,200	80
85	75.7	259.2	120,800	120,400	114,100	120,800	120,400	114,100	85
90	74.5	257.5	117,400	116,900	113,000	117,400	116,900	113,000	90
95	73.4	255.8	114,100	113,700	111,800	114,100	113,700	111,800	95
100	72.2	253.9	111,000	110,600	109,500	111,000	110,600	109,500	100
105	71.0	251.9	108,200	107,700	106,700	108,200	107,700	106,700	105
110	69.8	249.7	105,500	105,000	104,100	105,500	105,000	104,100	110
115	68.6	247.5	102,800	102,500	101,600	102,800	102,500	101,600	115
120	67.4	245.1	100,500	100,100	99,300	100,500	100,100	99,300	120
125	66.2	242.6	98,100	97,800	97,100	98,100	97,800	97,100	125
130	65.0	239.9	95,900	95,600	95,000	95,900	95,600	95,000	130
135	63.7	237.1	93,900	93,600	93,000	93,900	93,600	93,000	135
140	62.4	234.2	91,900	91,600	91,100	91,900	91,600	91,100	140
145	61.1	231.1	90,000	89,700	86,500	90,000	89,700	89,300	145
150	59.8	227.9	88,300	85,400	80,500	88,300	88,000	87,600	150
155	58.5	224.4	84,200	79,400	74,800	86,500	86,300	86,000	155
160	57.2	220.8	78,200	73,700	69,500	84,900	84,700	84,500	160
165	55.8	217.1	72,600	68,400	64,500	83,400	83,200	83,000	165
170	54.4	213.1	67,300	63,400	59,800	82,000	81,700	81,500	170
175	53.0	208.9	62,300	58,700	55,300	80,600	80,400	80,200	175
180	51.5	204.6	57,600	54,200	51,100	79,300	79,000	78,900	180
190	48.5	195.1	48,800	46,000	43,200	76,800	76,600	76,500	190
200	45.3	184.5	41,000	38,400	36,100	74,600	74,400	74,300	200
210	41.9	172.6	33,800	31,600	29,500	72,700	72,500	72,400	210
220	38.2	159.1	27,200	25,300	23,500	70,900	70,800	70,600	220
230	34.1	143.5	21,100	19,500	18,000	69,500	69,300	69,200	230
240	29.5	125.0	15,300	14,000	12,800	68,300	68,100	68,000	240
250									250

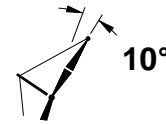
MLC650 VPC-MAX S-1



242.8 ft



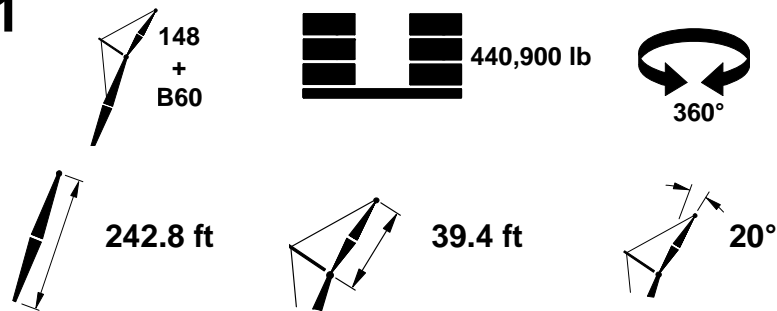
39.4 ft



10°

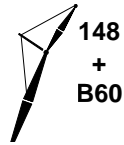
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
50	82.8	289.4	143,300			143,300			50
55	81.8	288.5	143,300	135,300		143,300	135,300		55
60	80.8	287.6	143,300	134,800	122,800	143,300	134,800	122,800	60
65	79.8	286.5	143,300	134,300	122,400	143,300	134,300	122,400	65
70	78.7	285.4	143,300	133,800	122,000	143,300	133,800	122,000	70
75	77.7	284.2	143,300	133,300	121,700	143,300	133,300	121,700	75
80	76.6	282.8	143,300	132,900	121,400	143,300	132,900	121,400	80
85	75.6	281.4	143,300	132,600	121,100	143,300	132,600	121,100	85
90	74.5	279.9	143,300	132,200	120,800	143,300	132,200	120,800	90
95	73.4	278.3	143,300	131,900	120,600	143,300	131,900	120,600	95
100	72.4	276.5	143,300	131,600	120,100	143,300	131,600	120,100	100
105	71.3	274.7	142,900	130,300	118,900	142,900	130,300	118,900	105
110	70.2	272.8	139,900	128,700	117,800	139,900	128,700	117,800	110
115	69.1	270.7	135,500	127,100	116,700	135,500	127,100	116,700	115
120	68.0	268.5	131,400	123,200	114,600	131,400	125,600	115,500	120
125	66.9	266.2	122,700	114,200	106,300	127,500	124,100	114,400	125
130	65.8	263.8	113,600	105,800	98,600	123,900	122,700	113,300	130
135	64.6	261.3	105,300	98,100	91,500	120,500	119,500	112,300	135
140	63.5	258.7	97,600	91,000	84,800	117,300	116,400	111,300	140
145	62.3	255.9	90,400	84,300	78,600	114,200	113,300	110,200	145
150	61.2	253.0	83,700	78,100	72,700	111,300	110,500	109,200	150
155	60.0	249.9	77,500	72,200	67,300	108,600	107,800	107,100	155
160	58.8	246.7	71,600	66,700	62,100	106,000	105,300	104,600	160
165	57.5	243.4	66,100	61,600	57,300	103,500	102,800	102,200	165
170	56.3	239.8	60,900	56,700	52,700	101,200	100,600	100,000	170
175	55.0	236.2	56,000	52,100	48,400	99,000	98,300	97,700	175
180	53.8	232.3	51,400	47,800	44,300	96,800	96,200	95,600	180
190	51.1	224.1	42,900	39,700	36,700	92,900	92,300	91,900	190
200	48.4	215.0	35,300	32,500	29,800	89,300	88,800	88,300	200
210	45.5	205.0	28,300	25,900	23,500	86,000	85,500	85,100	210
220	42.5	193.9	22,000	19,800	17,800	83,000	82,600	82,200	220
230	39.3	181.5	16,100	14,300	12,500	80,300	80,000	79,500	230
240	35.8	167.5	10,700	9,100	7,600	77,900	77,500	77,200	240
250	32.0	151.4				75,700	75,300	75,000	250
260	27.6	132.4				72,400	71,700	69,400	260
270	22.4	108.8				66,400	65,800	63,900	270

MLC650 VPC-MAX S-1

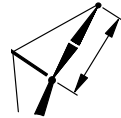


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
50									50
55									55
60	82.0	286.0	143,300	130,200		143,300	130,200		60
65	80.9	284.9	140,300	129,800	118,800	140,300	129,800	118,800	65
70	79.9	283.8	135,900	128,300	117,800	135,900	128,300	117,800	70
75	78.8	282.5	131,700	126,900	116,700	131,700	126,900	116,700	75
80	77.8	281.2	127,800	125,500	115,600	127,800	125,500	115,600	80
85	76.7	279.8	124,200	123,700	114,600	124,200	123,700	114,600	85
90	75.7	278.2	120,800	120,300	113,500	120,800	120,300	113,500	90
95	74.6	276.6	117,600	117,100	112,500	117,600	117,100	112,500	95
100	73.5	274.8	114,500	114,000	111,500	114,500	114,000	111,500	100
105	72.4	273.0	111,600	111,200	110,000	111,600	111,200	110,000	105
110	71.3	271.0	108,900	108,600	107,400	108,900	108,600	107,400	110
115	70.2	269.0	106,300	106,000	104,900	106,300	106,000	104,900	115
120	69.1	266.8	103,900	103,600	102,600	103,900	103,600	102,600	120
125	68.0	264.5	101,600	101,200	100,400	101,600	101,200	100,400	125
130	66.9	262.1	99,400	99,000	98,300	99,400	99,000	98,300	130
135	65.7	259.5	97,300	97,000	94,900	97,300	97,000	96,300	135
140	64.6	256.9	95,300	94,300	88,000	95,300	95,000	94,400	140
145	63.4	254.1	93,400	87,400	81,600	93,400	93,200	92,500	145
150	62.2	251.1	86,800	81,000	75,600	91,600	91,300	90,800	150
155	61.0	248.0	80,400	75,000	70,000	89,900	89,600	89,200	155
160	59.8	244.8	74,400	69,400	64,700	88,200	88,000	87,600	160
165	58.6	241.4	68,700	64,100	59,800	86,700	86,400	86,100	165
170	57.3	237.9	63,400	59,100	55,100	85,200	85,000	84,700	170
175	56.1	234.2	58,400	54,400	50,600	83,800	83,500	83,300	175
180	54.8	230.3	53,700	49,900	46,400	82,400	82,200	82,000	180
190	52.1	221.9	44,900	41,700	38,600	79,800	79,600	79,500	190
200	49.3	212.8	37,000	34,200	31,500	77,500	77,300	77,200	200
210	46.4	202.6	29,900	27,400	25,000	75,400	75,200	75,000	210
220	43.4	191.4	23,300	21,100	19,000	73,500	73,400	73,100	220
230	40.1	178.8	17,300	15,400	13,600	71,800	71,600	71,400	230
240	36.6	164.6	11,700	10,000	8,500	70,300	70,100	70,000	240
250	32.6	148.2	6,500			69,000	68,800	68,800	250
260	28.2	128.7				68,100	67,900	67,800	260
270									270

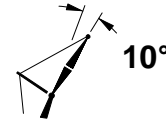
MLC650 VPC-MAX S-1



262.5 ft



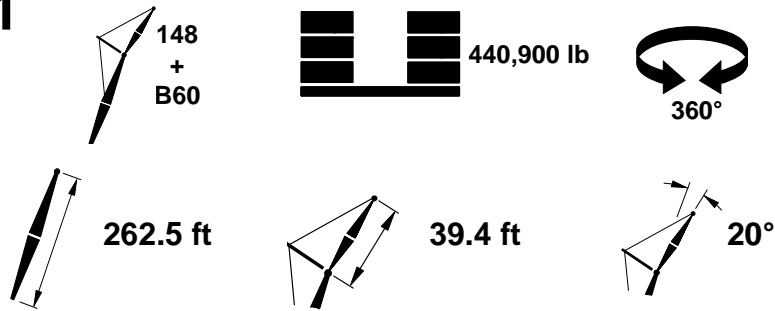
39.4 ft



10°

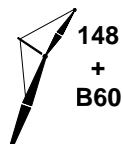
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
55	82.4	308.5	143,300			143,300			55
60	81.4	307.6	143,300	134,200		143,300	134,200		60
65	80.4	306.6	143,300	133,800	121,800	143,300	133,800	121,800	65
70	79.5	305.6	143,300	133,400	121,500	143,300	133,400	121,500	70
75	78.5	304.4	143,300	132,900	121,200	143,300	132,900	121,200	75
80	77.5	303.2	143,300	132,600	120,800	143,300	132,600	120,800	80
85	76.5	301.9	143,300	132,200	120,600	143,300	132,200	120,600	85
90	75.5	300.5	143,300	131,800	120,300	143,300	131,800	120,300	90
95	74.6	298.9	143,300	131,600	120,100	143,300	131,600	120,100	95
100	73.6	297.3	143,300	131,300	119,900	143,300	131,300	119,900	100
105	72.6	295.6	143,300	131,000	119,600	143,300	131,000	119,600	105
110	71.6	293.8	142,900	130,100	118,500	142,900	130,100	118,500	110
115	70.5	291.9	140,800	128,600	117,500	141,100	128,600	117,500	115
120	69.5	289.9	130,100	120,100	110,900	137,200	127,200	116,400	120
125	68.5	287.8	120,200	111,100	102,600	133,300	125,800	115,400	125
130	67.5	285.6	111,200	102,800	95,000	129,500	124,400	114,400	130
135	66.4	283.3	102,800	95,100	87,900	126,000	123,100	113,400	135
140	65.4	280.8	95,100	87,900	81,300	122,700	121,800	112,400	140
145	64.3	278.3	87,900	81,300	75,100	119,600	118,700	111,500	145
150	63.2	275.6	81,200	75,000	69,300	116,600	115,800	110,500	150
155	62.1	272.8	74,900	69,200	63,900	113,800	113,000	109,600	155
160	61.0	269.9	69,100	63,700	58,700	111,100	110,300	108,700	160
165	59.9	266.9	63,500	58,600	53,900	108,600	107,800	107,100	165
170	58.8	263.7	58,400	53,700	49,400	106,200	105,400	104,700	170
175	57.7	260.3	53,500	49,100	45,100	103,900	103,100	102,500	175
180	56.5	256.9	48,900	44,800	41,000	101,700	101,000	100,300	180
190	54.2	249.5	40,400	36,800	33,400	97,500	96,900	96,300	190
200	51.7	241.4	32,700	29,600	26,600	93,800	93,200	92,700	200
210	49.2	232.6	25,800	23,000	20,400	90,400	89,900	89,300	210
220	46.6	222.9	19,400	17,000	14,700	87,200	86,700	86,300	220
230	43.8	212.3	13,600	11,500	9,400	84,400	83,900	83,500	230
240	40.9	200.6	8,300			81,700	81,300	79,100	240
250	37.8	187.5				76,600	75,700	72,700	250
260	34.4	172.8				70,300	69,500	66,800	260
270	30.7	156.0				64,400	63,700	61,300	270
280	26.5	136.1				58,900	58,200	56,200	280
290	21.4	111.4				53,700	53,200	51,400	290

MLC650 VPC-MAX S-1

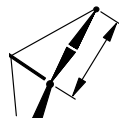


ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
55									55
60	82.5	306.0	143,300			143,300			60
65	81.5	305.0	143,000	129,500		143,000	129,500		65
70	80.6	303.9	138,600	128,700	117,700	138,600	128,700	117,700	70
75	79.6	302.8	134,600	127,300	116,700	134,600	127,300	116,700	75
80	78.6	301.5	130,800	126,000	115,800	130,800	126,000	115,800	80
85	77.6	300.2	127,200	124,700	114,800	127,200	124,700	114,800	85
90	76.6	298.8	123,900	123,400	113,900	123,900	123,400	113,900	90
95	75.6	297.3	120,700	120,200	113,000	120,700	120,200	113,000	95
100	74.6	295.6	117,700	117,200	112,100	117,700	117,200	112,100	100
105	73.6	293.9	114,800	114,400	111,100	114,800	114,400	111,100	105
110	72.6	292.1	112,100	111,800	110,200	112,100	111,800	110,200	110
115	71.6	290.2	109,600	109,200	108,000	109,600	109,200	108,000	115
120	70.6	288.2	107,200	106,700	105,700	107,200	106,700	105,700	120
125	69.5	286.1	104,900	104,400	103,500	104,900	104,400	103,500	125
130	68.5	283.8	102,700	102,300	98,700	102,700	102,300	101,400	130
135	67.4	281.5	100,600	98,800	91,500	100,600	100,200	99,300	135
140	66.4	279.0	98,600	91,400	84,700	98,600	98,200	97,400	140
145	65.3	276.5	91,400	84,600	78,300	96,600	96,300	95,600	145
150	64.2	273.8	84,500	78,200	72,400	94,800	94,500	93,800	150
155	63.1	271.0	78,100	72,200	66,800	93,000	92,700	92,200	155
160	62.0	268.0	72,000	66,600	61,500	91,400	91,100	90,600	160
165	60.9	265.0	66,400	61,300	56,600	89,800	89,500	89,000	165
170	59.8	261.8	61,100	56,300	51,900	88,300	88,000	87,600	170
175	58.6	258.4	56,000	51,600	47,500	86,800	86,600	86,200	175
180	57.5	254.9	51,300	47,200	43,300	85,400	85,100	84,800	180
190	55.1	247.4	42,600	38,900	35,500	82,800	82,600	82,300	190
200	52.6	239.3	34,700	31,500	28,500	80,400	80,100	80,000	200
210	50.1	230.4	27,500	24,700	22,000	78,100	78,000	77,800	210
220	47.4	220.6	21,000	18,500	16,100	76,200	76,000	75,700	220
230	44.6	209.9	15,000	12,800	10,700	74,300	74,100	73,900	230
240	41.7	198.0	9,500	7,500		72,600	72,500	72,300	240
250	38.5	184.8				71,100	71,000	70,800	250
260	35.1	169.8				69,800	69,700	67,400	260
270	31.3	152.6				64,900	64,100	61,800	270
280	27.0	132.2				59,200	58,600	56,500	280
290									290

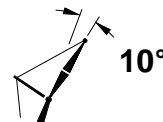
MLC650 VPC-MAX S-1



282.2 ft



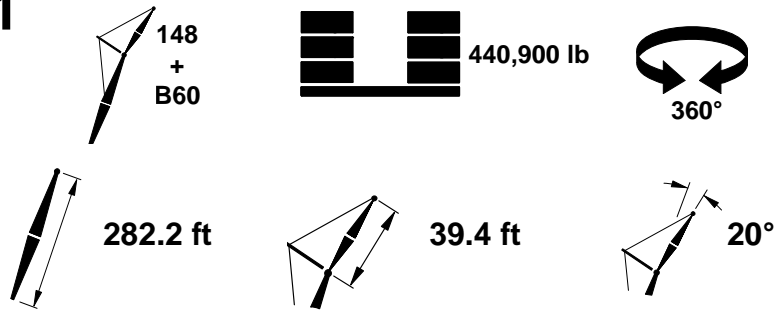
39.4 ft



10°

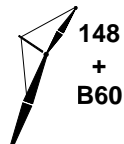
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
55	82.8	328.4	143,300			143,300			55
60	81.9	327.6	143,300	133,700		143,300	133,700		60
65	81.0	326.7	143,300	133,200		143,300	133,200		65
70	80.1	325.7	143,300	132,800	120,800	143,300	132,800	120,800	70
75	79.2	324.6	143,300	132,400	120,500	143,300	132,400	120,500	75
80	78.3	323.5	143,300	132,000	120,200	143,300	132,000	120,200	80
85	77.4	322.2	143,300	131,700	119,900	143,300	131,700	119,900	85
90	76.5	320.9	143,300	131,400	119,700	143,300	131,400	119,700	90
95	75.5	319.5	143,300	131,100	119,500	143,300	131,100	119,500	95
100	74.6	318.0	143,300	130,800	119,300	143,300	130,800	119,300	100
105	73.7	316.4	143,300	130,600	119,100	143,300	130,600	119,100	105
110	72.7	314.7	143,300	130,400	118,900	143,300	130,400	118,900	110
115	71.8	313.0	142,900	129,600	117,900	142,900	129,600	117,900	115
120	70.8	311.1	141,200	128,400	117,000	141,200	128,400	117,000	120
125	69.9	309.1	131,600	121,100	111,500	138,800	127,100	116,000	125
130	68.9	307.1	121,900	112,200	103,300	135,000	125,800	115,100	130
135	68.0	304.9	112,900	104,000	95,800	131,400	124,500	114,100	135
140	67.0	302.7	104,600	96,300	88,700	128,000	123,200	113,300	140
145	66.0	300.3	96,800	89,200	82,100	124,800	122,000	112,300	145
150	65.0	297.8	89,600	82,600	76,000	121,800	120,800	111,400	150
155	64.0	295.3	82,900	76,300	70,200	118,900	117,900	110,600	155
160	63.0	292.6	76,600	70,500	64,700	116,200	115,200	109,700	160
165	62.0	289.8	70,700	65,000	59,600	113,600	112,700	108,900	165
170	60.9	286.9	65,100	59,800	54,800	111,100	110,200	108,100	170
175	59.9	283.8	59,900	54,900	50,200	108,700	107,900	107,100	175
180	58.8	280.6	55,000	50,300	45,800	106,400	105,700	104,900	180
190	56.7	273.9	45,800	41,700	37,800	102,200	101,400	100,800	190
200	54.5	266.6	37,600	34,000	30,500	98,300	97,600	97,000	200
210	52.2	258.7	30,200	27,000	23,900	94,600	94,100	93,500	210
220	49.9	250.1	23,500	20,600	17,800	91,400	90,800	89,400	220
230	47.4	240.7	17,300	14,700	12,300	87,200	86,000	81,900	230
240	44.9	230.5	11,600	9,300	7,100	79,800	78,700	75,000	240
250	42.2	219.3				72,900	71,900	68,600	250
260	39.4	207.0				66,600	65,700	62,700	260
270	36.4	193.3				60,800	59,900	57,200	270
280	33.1	177.9				55,300	54,500	52,100	280
290	29.5	160.3				50,200	49,500	47,400	290
300	25.4	139.6				45,400	44,800	42,900	300
310	20.5	113.8				40,900	40,300	38,800	310

MLC650 VPC-MAX S-1

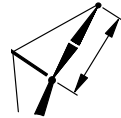


ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
55									55
60	83.0	325.9	142,900			142,900			60
65	82.1	325.0	142,600			142,600			65
70	81.2	324.0	141,200	128,600		141,200	128,600		70
75	80.2	323.0	137,300	127,500	116,500	137,300	127,500	116,500	75
80	79.3	321.8	133,500	126,300	115,700	133,500	126,300	115,700	80
85	78.4	320.6	130,100	125,100	114,800	130,100	125,100	114,800	85
90	77.5	319.2	126,700	124,000	113,900	126,700	124,000	113,900	90
95	76.6	317.8	123,600	122,800	113,100	123,600	122,800	113,100	95
100	75.6	316.3	120,700	120,200	112,300	120,700	120,200	112,300	100
105	74.7	314.7	117,800	117,400	111,500	117,800	117,400	111,500	105
110	73.7	313.0	115,100	114,700	110,600	115,100	114,700	110,600	110
115	72.8	311.2	112,700	112,200	109,800	112,700	112,200	109,800	115
120	71.8	309.4	110,200	109,800	108,600	110,200	109,800	108,600	120
125	70.9	307.4	107,900	107,500	106,400	107,900	107,500	106,400	125
130	69.9	305.3	105,700	105,300	104,200	105,700	105,300	104,200	130
135	68.9	303.1	103,600	103,200	99,600	103,600	103,200	102,200	135
140	67.9	300.9	101,600	100,100	92,400	101,600	101,200	100,300	140
145	67.0	298.5	99,700	92,800	85,600	99,700	99,400	98,400	145
150	66.0	296.0	93,200	86,000	79,300	97,800	97,500	96,700	150
155	65.0	293.4	86,300	79,600	73,400	96,100	95,700	95,000	155
160	63.9	290.7	79,900	73,600	67,800	94,400	94,100	93,400	160
165	62.9	287.9	73,800	68,000	62,500	92,800	92,500	91,800	165
170	61.9	285.0	68,100	62,600	57,500	91,200	90,900	90,300	170
175	60.8	281.9	62,700	57,600	52,800	89,800	89,500	88,900	175
180	59.8	278.7	57,600	52,900	48,400	88,300	88,100	87,500	180
190	57.6	271.9	48,300	44,100	40,100	85,700	85,400	85,000	190
200	55.4	264.5	39,900	36,100	32,600	83,100	82,900	82,600	200
210	53.1	256.6	32,200	28,900	25,800	80,900	80,700	80,400	210
220	50.7	247.9	25,300	22,300	19,500	78,800	78,600	78,300	220
230	48.3	238.4	18,900	16,300	13,800	76,800	76,600	76,400	230
240	45.7	228.1	13,000	10,700	8,500	75,000	74,800	74,600	240
250	43.0	216.8	7,600			73,400	72,900	69,500	250
260	40.1	204.3				67,400	66,500	63,500	260
270	37.1	190.4				61,500	60,600	57,900	270
280	33.8	174.8				55,900	55,100	52,700	280
290	30.1	156.8				50,600	49,900	47,800	290
300									300
310									310

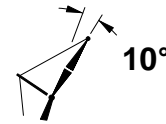
MLC650 VPC-MAX S-1



301.8 ft



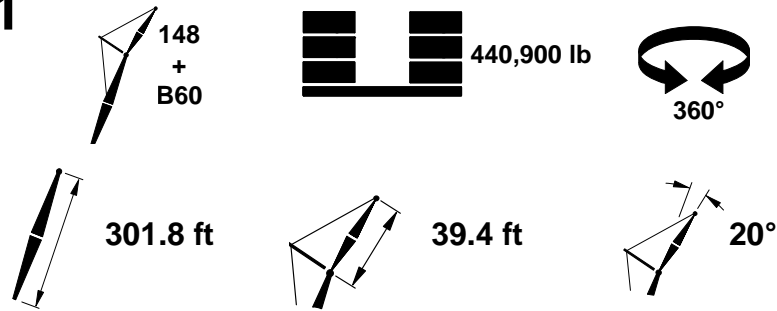
39.4 ft



10°

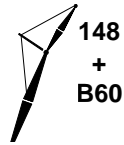
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
60	82.4	347.5	143,300			143,300			60
65	81.5	346.7	143,300	132,500		143,300	132,500		65
70	80.7	345.8	143,300	132,100	119,900	143,300	132,100	119,900	70
75	79.8	344.8	143,300	131,800	119,600	143,300	131,800	119,600	75
80	79.0	343.7	143,300	131,400	119,400	143,300	131,400	119,400	80
85	78.1	342.5	143,300	131,100	119,200	143,300	131,100	119,200	85
90	77.3	341.3	143,300	130,800	118,900	143,300	130,800	118,900	90
95	76.4	339.9	143,300	130,500	118,700	143,300	130,500	118,700	95
100	75.5	338.5	143,300	130,200	118,600	143,300	130,200	118,600	100
105	74.6	337.0	143,300	130,000	118,400	143,300	130,000	118,400	105
110	73.8	335.5	143,300	129,800	118,200	143,300	129,800	118,200	110
115	72.9	333.8	143,300	129,600	118,100	143,300	129,600	118,100	115
120	72.0	332.1	139,600	127,300	116,200	142,800	129,100	117,200	120
125	71.1	330.2	129,000	117,800	107,500	141,200	127,900	116,300	125
130	70.2	328.3	119,300	108,900	99,500	139,600	126,800	115,400	130
135	69.3	326.3	110,300	100,700	92,000	136,600	125,700	114,600	135
140	68.4	324.2	101,900	93,100	85,000	133,200	124,400	113,700	140
145	67.5	322.0	94,200	86,000	78,400	129,900	123,300	112,900	145
150	66.6	319.7	86,900	79,300	72,300	126,800	122,200	112,100	150
155	65.6	317.3	80,200	73,100	66,600	123,800	121,100	111,200	155
160	64.7	314.8	73,900	67,300	61,200	121,000	120,000	110,500	160
165	63.7	312.2	68,000	61,800	56,100	118,300	117,400	109,700	165
170	62.8	309.5	62,400	56,600	51,200	115,800	114,900	108,900	170
175	61.8	306.7	57,100	51,700	46,700	113,300	112,500	108,200	175
180	60.9	303.8	52,200	47,100	42,400	111,000	110,200	107,400	180
190	58.9	297.6	43,100	38,600	34,400	106,600	105,900	105,000	190
200	56.9	290.9	34,900	30,900	27,100	102,600	101,900	101,100	200
210	54.8	283.7	27,400	23,900	20,600	98,900	98,300	94,800	210
220	52.7	275.9	20,700	17,500	14,500	92,900	91,500	86,600	220
230	50.5	267.5	14,500	11,700	9,000	84,800	83,600	79,100	230
240	48.2	258.4	8,800			77,400	76,300	72,200	240
250	45.9	248.5				70,600	69,500	65,900	250
260	43.4	237.8				64,300	63,300	60,000	260
270	40.8	226.1				58,500	57,600	54,600	270
280	38.1	213.2				53,100	52,200	49,500	280
290	35.2	198.9				48,000	47,200	44,800	290
300	32.0	182.8				43,300	42,600	40,400	300
310	28.5	164.5				38,800	38,200	36,200	310
320	24.5	142.9				34,600	34,000	32,300	320
330	19.7	116.0				30,600	30,100	28,600	330

MLC650 VPC-MAX S-1

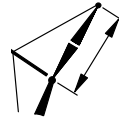


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
60									60
65	82.5	345.0	142,100			142,100			65
70	81.7	344.1	141,800	127,800		141,800	127,800		70
75	80.8	343.1	139,600	127,600		139,600	127,600	116,200	75
80	80.0	342.0	136,000	126,400	116,200	136,000	126,400	115,400	80
85	79.1	340.8	132,700	125,300	114,600	132,700	125,300	114,600	85
90	78.2	339.6	129,400	124,200	113,800	129,400	124,200	113,800	90
95	77.4	338.2	126,400	123,100	113,000	126,400	123,100	113,000	95
100	76.5	336.8	123,400	122,100	112,200	123,400	122,100	112,200	100
105	75.6	335.3	120,600	120,200	111,500	120,600	120,200	111,500	105
110	74.7	333.7	118,000	117,500	110,700	118,000	117,500	110,700	110
115	73.8	332.1	115,500	115,100	110,100	115,500	115,100	110,100	115
120	72.9	330.3	113,100	112,600	109,300	113,100	112,600	109,300	120
125	72.0	328.5	110,800	110,400	108,500	110,800	110,400	108,500	125
130	71.1	326.6	108,600	108,200	103,700	108,600	108,200	107,000	130
135	70.2	324.5	106,500	104,900	96,000	106,500	106,100	104,900	135
140	69.3	322.4	104,500	97,100	88,800	104,500	104,100	103,000	140
145	68.4	320.2	98,100	89,800	82,100	102,600	102,200	101,100	145
150	67.5	317.9	90,700	83,000	75,800	100,700	100,400	99,400	150
155	66.5	315.5	83,800	76,600	69,900	99,000	98,600	97,700	155
160	65.6	313.0	77,300	70,600	64,300	97,300	97,000	96,000	160
165	64.6	310.4	71,200	65,000	59,100	95,700	95,300	94,500	165
170	63.7	307.7	65,500	59,600	54,200	94,100	93,800	93,000	170
175	62.7	304.8	60,100	54,600	49,500	92,600	92,300	91,500	175
180	61.7	301.9	55,100	49,900	45,000	91,100	90,800	90,100	180
190	59.7	295.7	45,700	41,100	36,800	88,400	88,100	87,500	190
200	57.7	288.9	37,300	33,200	29,400	85,900	85,600	85,100	200
210	55.6	281.6	29,600	26,000	22,600	83,500	83,300	82,900	210
220	53.5	273.8	22,700	19,400	16,400	81,400	81,100	80,800	220
230	51.3	265.3	16,300	13,400	10,700	79,300	79,100	78,900	230
240	49.0	256.1	10,400	7,900		77,500	77,200	73,400	240
250	46.6	246.2				71,700	70,600	67,000	250
260	44.1	235.3				65,300	64,300	61,000	260
270	41.5	223.5				59,400	58,400	55,400	270
280	38.7	210.4				53,800	53,000	50,300	280
290	35.8	195.9				48,600	47,900	45,400	290
300	32.6	179.5				43,800	43,100	40,900	300
310	29.0	160.8				39,200	38,500	36,600	310
320									320
330									330

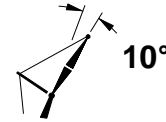
MLC650 VPC-MAX S-1



321.5 ft



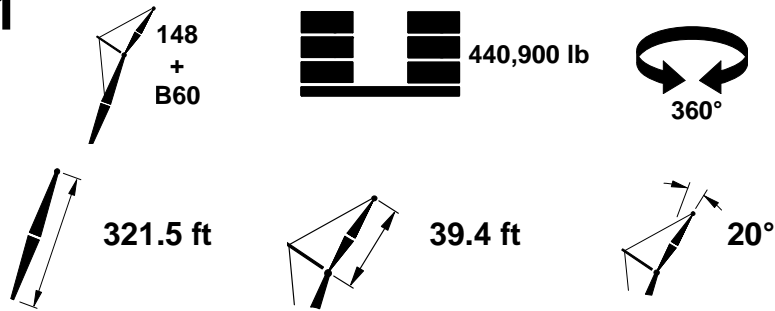
39.4 ft



10°

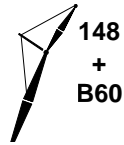
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
60	82.8	367.5	143,300			143,300			60
65	82.0	366.7	143,300			143,300			65
70	81.2	365.8	143,300	131,200		143,300	131,200		70
75	80.4	364.8	143,300	130,900	118,600	143,300	130,900	118,600	75
80	79.6	363.8	143,300	130,600	118,500	143,300	130,600	118,500	80
85	78.8	362.7	143,300	130,300	118,200	143,300	130,300	118,200	85
90	78.0	361.5	143,300	130,000	118,000	143,300	130,000	118,000	90
95	77.1	360.3	143,300	129,700	117,800	143,300	129,700	117,800	95
100	76.3	359.0	143,300	129,500	117,600	143,300	129,500	117,600	100
105	75.5	357.6	143,300	129,300	117,500	143,300	129,300	117,500	105
110	74.7	356.1	143,300	129,100	117,400	143,300	129,100	117,400	110
115	73.8	354.5	143,300	128,900	117,200	143,300	128,900	117,200	115
120	73.0	352.9	135,000	122,000	110,200	143,300	128,800	117,100	120
125	72.2	351.2	124,400	112,400	101,600	142,600	128,300	116,400	125
130	71.3	349.4	114,600	103,600	93,600	141,000	127,200	115,500	130
135	70.5	347.5	105,500	95,400	86,100	139,500	126,200	114,700	135
140	69.6	345.5	97,200	87,800	79,200	138,100	125,200	113,900	140
145	68.8	343.5	89,400	80,700	72,700	134,900	124,200	113,100	145
150	67.9	341.3	82,200	74,000	66,600	131,700	123,200	112,400	150
155	67.0	339.1	75,400	67,800	60,900	128,700	122,100	111,600	155
160	66.2	336.8	69,100	62,000	55,500	125,800	121,100	110,900	160
165	65.3	334.3	63,100	56,500	50,400	123,100	120,000	110,100	165
170	64.4	331.8	57,500	51,300	45,600	120,400	119,100	109,400	170
175	63.5	329.2	52,300	46,500	41,100	117,900	117,000	108,600	175
180	62.6	326.5	47,300	41,800	36,800	115,500	114,700	108,000	180
190	60.8	320.7	38,200	33,300	28,800	111,100	110,200	106,600	190
200	58.9	314.6	29,900	25,600	21,600	106,900	105,900	99,400	200
210	57.0	307.9	22,500	18,700	15,000	97,800	96,200	90,400	210
220	55.1	300.8	15,700	12,300	9,000	89,000	87,500	82,200	220
230	53.1	293.1	9,500			80,900	79,500	74,800	230
240	51.0	284.9				73,500	72,300	67,900	240
250	48.9	276.0				66,700	65,500	61,600	250
260	46.7	266.4				60,400	59,300	55,800	260
270	44.4	256.0				54,600	53,600	50,400	270
280	42.0	244.8				49,200	48,300	45,300	280
290	39.5	232.5				44,100	43,300	40,600	290
300	36.9	219.1				39,400	38,600	36,200	300
310	34.0	204.2				35,000	34,300	32,100	310
320	30.9	187.5				30,800	30,200	28,200	320
330	27.5	168.4				26,900	26,300	24,500	330
340	23.6	146.0				23,100	22,600	21,000	340
350	18.9	118.1				19,500	19,100	17,700	350

MLC650 VPC-MAX S-1

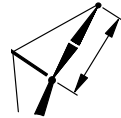


Height (ft)	Reach (ft)	Capacity (lb)	38.7 ft			60.0 ft			Height (ft)
			0°	1°	2°	0°	1°	2°	
60									60
65	82.9	365.0	141,400			141,400			65
70	82.1	364.1	141,200			141,200			70
75	81.3	363.1	140,900	126,800		140,900	126,800		75
80	80.5	362.1	138,400	126,300	114,700	138,400	126,300	114,700	80
85	79.7	361.0	135,100	125,200	114,100	135,100	125,200	114,100	85
90	78.9	359.8	131,900	124,200	113,400	131,900	124,200	113,400	90
95	78.1	358.6	128,900	123,200	112,600	128,900	123,200	112,600	95
100	77.2	357.3	126,100	122,200	111,900	126,100	122,200	111,900	100
105	76.4	355.8	123,300	121,300	111,200	123,300	121,300	111,200	105
110	75.6	354.4	120,700	120,200	110,600	120,700	120,200	110,600	110
115	74.7	352.8	118,200	117,800	109,900	118,200	117,800	109,900	115
120	73.9	351.2	115,800	115,400	109,300	115,800	115,400	109,300	120
125	73.1	349.4	113,600	113,100	106,200	113,600	113,100	108,600	125
130	72.2	347.6	111,300	108,200	98,000	111,300	111,000	108,000	130
135	71.4	345.7	109,300	99,800	90,300	109,300	108,900	107,300	135
140	70.5	343.7	101,600	92,000	83,200	107,300	106,900	105,600	140
145	69.6	341.7	93,600	84,700	76,500	105,400	105,000	103,700	145
150	68.8	339.5	86,200	77,900	70,300	103,500	103,200	101,900	150
155	67.9	337.3	79,200	71,500	64,400	101,800	101,400	100,200	155
160	67.0	334.9	72,700	65,500	58,900	100,000	99,700	98,600	160
165	66.1	332.5	66,600	59,900	53,600	98,400	98,100	97,000	165
170	65.3	330.0	60,900	54,600	48,700	96,800	96,500	95,500	170
175	64.4	327.3	55,500	49,600	44,100	95,300	95,000	94,000	175
180	63.4	324.6	50,400	44,800	39,600	93,900	93,500	92,600	180
190	61.6	318.8	41,000	36,100	31,400	91,100	90,800	90,000	190
200	59.7	312.6	32,500	28,200	24,000	88,500	88,200	87,500	200
210	57.8	305.9	24,900	21,000	17,300	86,100	85,900	85,200	210
220	55.9	298.7	17,900	14,400	11,100	83,900	83,600	83,100	220
230	53.8	291.0	11,500	8,400		81,800	81,100	76,200	230
240	51.8	282.7				74,900	73,600	69,300	240
250	49.6	273.7				67,900	66,800	62,800	250
260	47.4	264.1				61,500	60,500	56,900	260
270	45.1	253.6				55,600	54,600	51,300	270
280	42.7	242.2				50,100	49,200	46,200	280
290	40.2	229.8				44,900	44,100	41,400	290
300	37.5	216.2				40,100	39,300	36,900	300
310	34.6	201.1				35,600	34,800	32,600	310
320	31.4	184.1				31,300	30,600	28,600	320
330	28.0	164.6				27,200	26,600	24,800	330
340									340
350									350

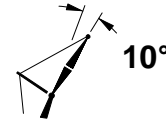
MLC650 VPC-MAX S-1



341.2 ft



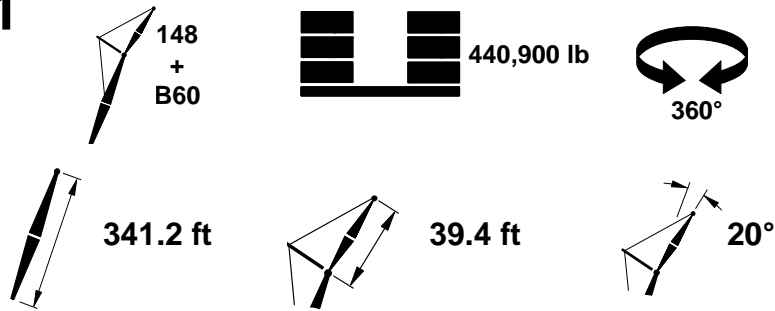
39.4 ft



10°

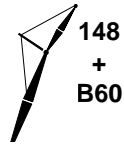
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
65	82.4	386.6	143,300			143,300			65
70	81.7	385.8	143,300	130,200		143,300	130,200		70
75	80.9	384.9	143,300	129,900	117,600	143,300	129,900	117,600	75
80	80.1	383.9	143,300	129,600	117,300	143,300	129,600	117,300	80
85	79.4	382.9	143,300	129,300	117,200	143,300	129,300	117,200	85
90	78.6	381.8	143,300	129,100	116,900	143,300	129,100	116,900	90
95	77.8	380.6	143,300	128,800	116,800	143,300	128,800	116,800	95
100	77.1	379.3	143,300	128,600	116,700	143,300	128,600	116,700	100
105	76.3	378.0	143,300	128,400	116,500	143,300	128,400	116,500	105
110	75.5	376.6	143,300	128,300	116,400	143,300	128,300	116,400	110
115	74.7	375.1	143,000	128,100	116,200	143,000	128,100	116,200	115
120	73.9	373.6	142,800	127,900	116,100	142,800	127,900	116,100	120
125	73.1	372.0	142,800	124,000	111,800	142,600	127,800	116,100	125
130	72.3	370.3	127,000	114,600	103,400	142,200	127,400	115,300	130
135	71.5	368.5	117,300	105,900	95,500	140,700	126,400	114,500	135
140	70.7	366.6	108,400	97,800	88,100	139,400	125,500	113,800	140
145	69.9	364.7	100,100	90,200	81,300	138,000	124,500	113,000	145
150	69.1	362.7	92,300	83,200	74,800	136,400	123,600	112,300	150
155	68.3	360.6	85,100	76,600	68,800	133,400	122,700	111,600	155
160	67.5	358.4	78,400	70,400	63,100	130,500	121,800	110,900	160
165	66.7	356.1	72,000	64,600	57,700	127,700	120,900	110,200	165
170	65.8	353.8	66,100	59,100	52,600	125,000	120,000	109,600	170
175	65.0	351.3	60,400	53,900	47,800	122,400	119,000	108,900	175
180	64.2	348.8	55,100	49,000	43,300	120,000	118,100	108,300	180
190	62.4	343.4	45,400	39,900	34,800	115,400	113,900	106,200	190
200	60.7	337.7	36,600	31,800	27,200	105,100	103,300	96,400	200
210	58.9	331.5	28,700	24,400	20,300	95,400	93,700	87,500	210
220	57.1	324.9	21,500	17,600	13,900	86,500	85,000	79,400	220
230	55.3	317.9	14,900	11,400	8,100	78,400	77,000	72,000	230
240	53.4	310.3	8,900			71,100	69,800	65,100	240
250	51.5	302.2				64,300	63,100	58,900	250
260	49.5	293.5				58,000	56,900	53,100	260
270	47.4	284.2				52,200	51,200	47,700	270
280	45.3	274.1				46,800	45,900	42,600	280
290	43.1	263.3				41,800	40,900	38,000	290
300	40.8	251.6				37,100	36,300	33,600	300
310	38.3	238.8				32,700	31,900	29,500	310
320	35.7	224.8				28,600	27,800	25,600	320
330	33.0	209.3				24,700	24,000	22,000	330
340	30.0	192.0				21,000	20,300	18,500	340
350	26.6	172.2				17,500	16,900	15,200	350
360	22.8	148.9				13,900	13,600	12,100	360
370	18.2	120.0				9,700	10,400	9,200	370

MLC650 VPC-MAX S-1

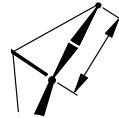


ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
65									65
70	82.6	384.1	140,500			140,500			70
75	81.8	383.2	140,300	125,800		140,300	125,800		75
80	81.0	382.2	139,600	125,700		139,600	125,700		80
85	80.2	381.2	137,300	125,000	113,400	137,300	125,000	113,400	85
90	79.5	380.0	134,200	124,000	112,700	134,200	124,000	112,700	90
95	78.7	378.9	131,300	123,100	112,100	131,300	123,100	112,100	95
100	77.9	377.6	128,500	122,200	111,500	128,500	122,200	111,500	100
105	77.1	376.3	125,800	121,300	110,800	125,800	121,300	110,800	105
110	76.4	374.9	123,200	120,400	110,200	123,200	120,400	110,200	110
115	75.6	373.4	120,800	119,600	109,600	120,800	119,600	109,600	115
120	74.8	371.8	118,400	117,900	109,000	118,400	117,900	109,000	120
125	74.0	370.2	116,100	115,700	108,300	116,100	115,700	108,300	125
130	73.2	368.5	114,000	113,600	107,800	114,000	113,600	107,800	130
135	72.4	366.7	111,900	110,500	99,900	111,900	111,500	107,200	135
140	71.6	364.9	109,900	102,200	92,300	109,900	109,500	106,600	140
145	70.8	362.9	104,500	94,400	85,300	108,000	107,600	106,100	145
150	70.0	360.9	96,500	87,200	78,700	106,100	105,700	104,300	150
155	69.1	358.8	89,100	80,400	72,500	104,400	104,000	102,600	155
160	68.3	356.6	82,200	74,100	66,600	102,700	102,300	101,000	160
165	67.5	354.3	75,700	68,100	61,100	101,100	100,700	99,400	165
170	66.6	351.9	69,600	62,500	55,900	99,400	99,100	97,900	170
175	65.8	349.5	63,800	57,200	50,900	98,000	97,600	96,400	175
180	65.0	346.9	58,400	52,100	46,300	96,400	96,100	95,000	180
190	63.2	341.5	48,400	42,800	37,600	93,700	93,400	92,300	190
200	61.5	335.8	39,400	34,400	29,800	91,100	90,800	89,800	200
210	59.7	329.6	31,300	26,800	22,600	88,700	88,400	87,500	210
220	57.9	322.9	23,900	19,900	16,100	86,400	86,100	81,100	220
230	56.1	315.8	17,100	13,500	10,100	80,100	78,700	73,500	230
240	54.2	308.2	10,900	7,600		72,600	71,300	66,600	240
250	52.2	300.0				65,600	64,400	60,200	250
260	50.2	291.2				59,300	58,100	54,300	260
270	48.1	281.8				53,300	52,300	48,800	270
280	46.0	271.7				47,900	46,900	43,600	280
290	43.7	260.8				42,700	41,800	38,900	290
300	41.4	248.9				37,900	37,100	34,400	300
310	38.9	236.0				33,400	32,600	30,200	310
320	36.3	221.8				29,200	28,500	26,200	320
330	33.5	206.1				25,200	24,500	22,500	330
340	30.4	188.5				21,400	20,700	18,900	340
350	27.0	168.3				17,800	17,200	15,500	350
360									360
370									370

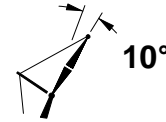
MLC650 VPC-MAX S-1



144.4 ft



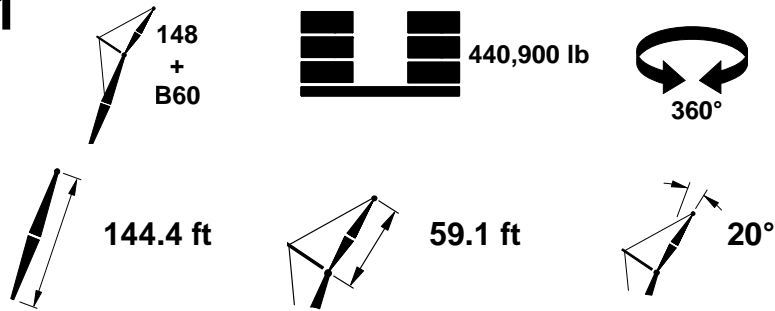
59.1 ft



10°

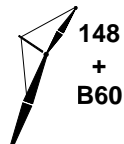
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
45	82.9	210.0	113,700c			113,700c			45
50	81.5	208.9	110,600b	97,200b		110,600b	97,200b		50
55	80.1	207.7	107,600b	94,900b	85,100b	107,600b	94,900b	85,100b	55
60	78.6	206.4	104,700	92,700	83,300	104,700	92,700	83,300	60
65	77.1	204.9	102,000	90,600	81,700	102,000	90,600	81,700	65
70	75.7	203.3	99,500	88,700	80,000	99,500	88,700	80,000	70
75	74.2	201.5	97,200	86,700	78,600	97,200	86,700	78,600	75
80	72.7	199.6	94,800	85,000	77,100	94,800	85,000	77,100	80
85	71.1	197.6	92,700	83,300	75,700	92,700	83,300	75,700	85
90	69.6	195.3	89,000	81,600	74,300	89,000	81,600	74,300	90
95	68.0	193.0	85,300	80,100	73,000	85,300	80,100	73,000	95
100	66.5	190.4	82,000	78,600	71,800	82,000	78,600	71,800	100
105	64.9	187.7	78,800	77,200	70,600	78,800	77,200	70,600	105
110	63.2	184.8	75,900	75,300	69,500	75,900	75,300	69,500	110
115	61.6	181.7	73,300	72,700	68,500	73,300	72,700	68,500	115
120	59.9	178.4	70,800	70,300	67,400	70,800	70,300	67,400	120
125	58.2	174.8	68,500	68,000	66,500	68,500	68,000	66,500	125
130	56.4	171.1	66,300	65,800	65,400	66,300	65,800	65,400	130
135	54.6	167.0	64,300	63,900	63,500	64,300	63,900	63,500	135
140	52.8	162.8	62,400	62,000	61,600	62,400	62,000	61,600	140
145	50.8	158.2	60,600	60,300	59,900	60,600	60,300	59,900	145
150	48.9	153.3	59,000	58,600	58,300	59,000	58,600	58,300	150
155	46.8	148.0	57,400	57,100	56,800	57,400	57,100	56,800	155
160	44.7	142.4	56,000	55,600	55,300	56,000	55,600	55,300	160
165	42.5	136.3	54,600	54,300	54,000	54,600	54,300	54,000	165
170	40.2	129.7	53,300	53,000	52,700	53,300	53,000	52,700	170
175	37.7	122.4	52,100	51,800	51,600	52,100	51,800	51,600	175
180	35.0	114.5	51,000	50,700	50,500	51,000	50,700	50,500	180
190	29.0	95.5	49,000	48,800	48,500	49,000	48,800	48,500	190
200	21.1	69.1	47,500	47,300	47,100	47,500	47,300	47,100	200

MLC650 VPC-MAX S-1

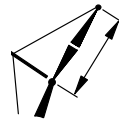


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
45									45
50									50
55	82.5	205.5	91,200 ^c			91,200 ^c			55
60	81.1	204.2	87,100 ^b	83,400 ^b		87,100 ^b	83,400 ^b		60
65	79.6	202.7	83,300 ^b	81,900 ^b	74,500 ^b	83,300 ^b	81,900 ^b	74,500 ^b	65
70	78.1	201.1	79,800	79,500	73,300	79,800	79,500	73,300	70
75	76.6	199.3	76,700	76,400	72,100	76,700	76,400	72,100	75
80	75.1	197.4	73,800	73,500	71,000	73,800	73,500	71,000	80
85	73.5	195.3	71,100	70,900	69,700	71,100	70,900	69,700	85
90	72.0	193.1	68,700	68,400	67,400	68,700	68,400	67,400	90
95	70.4	190.6	66,300	66,100	65,200	66,300	66,100	65,200	95
100	68.8	188.1	64,200	64,000	63,200	64,200	64,000	63,200	100
105	67.2	185.3	62,200	62,000	61,300	62,200	62,000	61,300	105
110	65.5	182.3	60,300	60,100	59,600	60,300	60,100	59,600	110
115	63.8	179.2	58,600	58,400	57,900	58,600	58,400	57,900	115
120	62.1	175.8	57,000	56,800	56,400	57,000	56,800	56,400	120
125	60.4	172.2	55,500	55,300	54,900	55,500	55,300	54,900	125
130	58.6	168.4	54,100	53,900	53,600	54,100	53,900	53,600	130
135	56.8	164.3	52,700	52,600	52,300	52,700	52,600	52,300	135
140	54.9	160.0	51,500	51,300	51,100	51,500	51,300	51,100	140
145	52.9	155.3	50,300	50,100	50,000	50,300	50,100	50,000	145
150	50.9	150.3	49,200	49,000	48,900	49,200	49,000	48,900	150
155	48.8	145.0	48,100	48,000	47,900	48,100	48,000	47,900	155
160	46.7	139.2	47,200	47,000	47,000	47,200	47,000	47,000	160
165	44.4	132.9	46,300	46,100	46,100	46,300	46,100	46,100	165
170	42.0	126.1	45,500	45,400	45,200	45,500	45,400	45,200	170
175	39.4	118.6	44,700	44,600	44,400	44,700	44,600	44,400	175
180	36.7	110.4	44,000	43,900	43,800	44,000	43,900	43,800	180
190	30.3	90.4	42,900	42,800	42,700	42,900	42,800	42,700	190
200									200

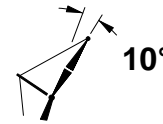
MLC650 VPC-MAX S-1



164.0 ft



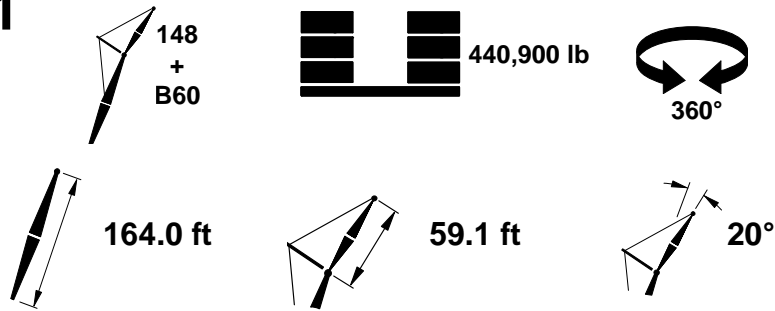
59.1 ft



10°

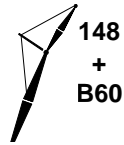
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
50	82.3	229.0	111,900b			111,900b			50
55	81.0	227.9	109,100	96,000	85,900	109,100	96,000	85,900	55
60	79.6	226.7	106,500	94,000	84,300	106,500	94,000	84,300	60
65	78.3	225.3	103,900	92,000	82,700	103,900	92,000	82,700	65
70	77.0	223.9	101,500	90,200	81,200	101,500	90,200	81,200	70
75	75.6	222.3	99,300	88,300	79,800	99,300	88,300	79,800	75
80	74.3	220.6	97,100	86,700	78,400	97,100	86,700	78,400	80
85	72.9	218.7	95,100	85,100	77,100	95,100	85,100	77,100	85
90	71.5	216.7	93,100	83,500	75,800	93,100	83,500	75,800	90
95	70.1	214.6	90,300	82,000	74,600	90,300	82,000	74,600	95
100	68.7	212.3	86,800	80,600	73,400	86,800	80,600	73,400	100
105	67.3	209.9	83,600	79,200	72,300	83,600	79,200	72,300	105
110	65.8	207.3	80,700	78,000	71,200	80,700	78,000	71,200	110
115	64.4	204.6	77,900	76,700	70,200	77,900	76,700	70,200	115
120	62.9	201.7	75,300	74,800	69,200	75,300	74,800	69,200	120
125	61.4	198.6	72,900	72,400	68,200	72,900	72,400	68,200	125
130	59.9	195.3	70,700	70,200	67,300	70,700	70,200	67,300	130
135	58.3	191.8	68,600	68,100	66,400	68,600	68,100	66,400	135
140	56.7	188.1	66,600	66,200	65,600	66,600	66,200	65,600	140
145	55.1	184.2	64,800	64,300	63,900	64,800	64,300	63,900	145
150	53.4	180.1	63,000	62,600	62,200	63,000	62,600	62,200	150
155	51.7	175.7	61,400	61,000	60,700	61,400	61,000	60,700	155
160	49.9	171.0	59,900	59,500	59,100	59,900	59,500	59,100	160
165	48.1	166.0	58,400	58,000	57,700	58,400	58,000	57,700	165
170	46.3	160.7	57,000	56,700	56,300	57,000	56,700	56,300	170
175	44.3	155.1	55,700	55,400	55,100	55,700	55,400	55,100	175
180	42.3	149.0	54,500	54,200	53,900	54,500	54,200	53,900	180
190	38.0	135.3	52,300	51,900	51,700	52,300	51,900	51,700	190
200	33.1	119.1	50,300	50,000	49,800	50,300	50,000	49,800	200
210	27.3	98.8	48,600	47,800	46,500	48,600	48,300	48,100	210
220	19.6	70.7	42,200	41,200	40,300	47,300	47,100	46,900	220

MLC650 VPC-MAX S-1

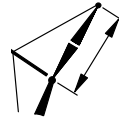


			38.7 ft			60.0 ft			
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
50									50
55									55
60	81.9	224.5	89,200	84,200		89,200	84,200		60
65	80.6	223.1	85,600	82,700	75,100	85,600	82,700	75,100	65
70	79.2	221.6	82,300	81,300	73,900	82,300	81,300	73,900	70
75	77.8	220.0	79,300	78,900	72,900	79,300	78,900	72,900	75
80	76.5	218.3	76,400	76,100	71,800	76,400	76,100	71,800	80
85	75.1	216.4	73,800	73,500	70,800	73,800	73,500	70,800	85
90	73.7	214.4	71,400	71,000	69,900	71,400	71,000	69,900	90
95	72.3	212.3	69,100	68,800	67,900	69,100	68,800	67,900	95
100	70.9	210.0	67,000	66,700	65,800	67,000	66,700	65,800	100
105	69.4	207.5	65,000	64,700	64,000	65,000	64,700	64,000	105
110	68.0	204.9	63,100	62,900	62,200	63,100	62,900	62,200	110
115	66.5	202.1	61,400	61,200	60,600	61,400	61,200	60,600	115
120	65.0	199.2	59,800	59,600	59,000	59,800	59,600	59,000	120
125	63.4	196.0	58,200	58,000	57,500	58,200	58,000	57,500	125
130	61.9	192.7	56,800	56,600	56,200	56,800	56,600	56,200	130
135	60.3	189.2	55,400	55,200	54,900	55,400	55,200	54,900	135
140	58.7	185.4	54,100	53,900	53,700	54,100	53,900	53,700	140
145	57.0	181.5	52,900	52,700	52,500	52,900	52,700	52,500	145
150	55.3	177.2	51,800	51,600	51,400	51,800	51,600	51,400	150
155	53.6	172.8	50,600	50,500	50,400	50,600	50,500	50,400	155
160	51.8	168.0	49,600	49,500	49,400	49,600	49,500	49,400	160
165	50.0	162.9	48,700	48,500	48,400	48,700	48,500	48,400	165
170	48.0	157.5	47,800	47,600	47,500	47,800	47,600	47,500	170
175	46.1	151.7	46,900	46,900	46,700	46,900	46,900	46,700	175
180	44.0	145.5	46,200	46,000	45,900	46,200	46,000	45,900	180
190	39.5	131.4	44,700	44,600	44,500	44,700	44,600	44,500	190
200	34.5	114.6	43,500	43,500	43,300	43,500	43,500	43,300	200
210	28.3	93.3	42,700	42,600	42,500	42,700	42,600	42,500	210
220									220

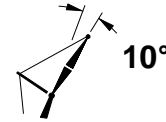
MLC650 VPC-MAX S-1



183.7 ft



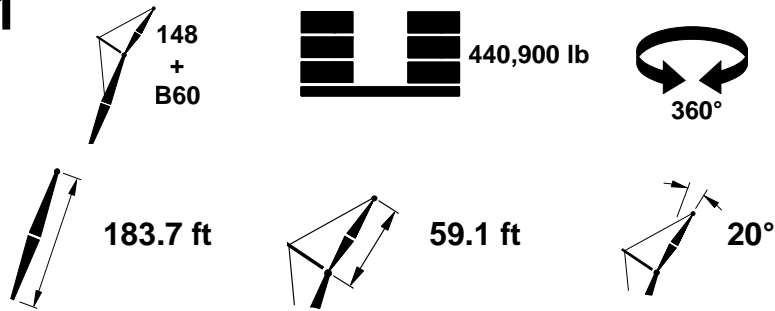
59.1 ft



10°

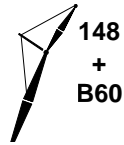
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
50	82.9	249.0	113,100			113,100			50
55	81.7	248.0	110,500	96,900		110,500	96,900		55
60	80.5	246.9	107,900	95,000	85,000	107,900	95,000	85,000	60
65	79.3	245.7	105,600	93,200	83,600	105,600	93,200	83,600	65
70	78.1	244.3	103,300	91,500	82,200	103,300	91,500	82,200	70
75	76.8	242.9	101,200	89,800	80,900	101,200	89,800	80,900	75
80	75.6	241.3	99,100	88,100	79,600	99,100	88,100	79,600	80
85	74.4	239.7	97,100	86,600	78,300	97,100	86,600	78,300	85
90	73.1	237.8	95,200	85,100	77,100	95,200	85,100	77,100	90
95	71.8	235.9	93,400	83,700	75,900	93,400	83,700	75,900	95
100	70.6	233.9	91,400	82,300	74,800	91,400	82,300	74,800	100
105	69.3	231.7	88,200	81,000	73,700	88,200	81,000	73,700	105
110	68.0	229.3	85,100	79,800	72,700	85,100	79,800	72,700	110
115	66.7	226.9	82,300	78,600	71,700	82,300	78,600	71,700	115
120	65.3	224.3	79,700	77,300	70,700	79,700	77,300	70,700	120
125	64.0	221.5	77,200	76,200	69,800	77,200	76,200	69,800	125
130	62.6	218.6	74,900	74,300	68,800	74,900	74,300	68,800	130
135	61.2	215.5	72,700	72,100	68,000	72,700	72,100	68,000	135
140	59.8	212.2	70,600	70,200	67,200	70,600	70,200	67,200	140
145	58.4	208.8	68,800	68,200	66,400	68,800	68,200	66,400	145
150	56.9	205.2	66,900	66,500	65,600	66,900	66,500	65,600	150
155	55.5	201.4	65,200	64,700	64,300	65,200	64,700	64,300	155
160	53.9	197.3	63,600	63,200	62,700	63,600	63,200	62,700	160
165	52.4	193.1	62,100	61,700	61,200	62,100	61,700	61,200	165
170	50.8	188.6	60,600	60,200	59,800	60,600	60,200	59,800	170
175	49.2	183.8	59,200	58,800	58,500	59,200	58,800	58,500	175
180	47.5	178.8	57,900	57,600	57,200	57,900	57,600	57,200	180
190	44.0	167.7	55,500	55,200	54,600	55,500	55,200	54,900	190
200	40.2	155.2	51,700	49,600	47,600	53,300	53,000	52,700	200
210	36.0	140.7	44,600	42,800	41,100	51,400	51,100	50,800	210
220	31.3	123.4	38,100	36,600	35,200	49,700	49,400	49,200	220
230	25.8	102.0	31,900	30,800	29,600	48,200	48,000	47,800	230

MLC650 VPC-MAX S-1

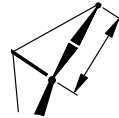


			38.7 ft			60.0 ft			
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
50									50
55									55
60	82.6	244.6	91,100			91,100			60
65	81.4	243.4	87,700			87,700			65
70	80.1	242.0	84,500			84,500			70
75	78.9	240.6	81,500			81,500			75
80	77.6	239.0	78,800			78,800			80
85	76.4	237.3	76,200			76,200			85
90	75.1	235.5	73,800			73,800			90
95	73.8	233.5	71,500			71,500			95
100	72.5	231.4	69,500			69,500			100
105	71.2	229.2	67,500			67,500			105
110	69.9	226.9	65,600			65,600			110
115	68.6	224.4	63,900			63,900			115
120	67.2	221.7	62,300			62,300			120
125	65.9	218.9	60,700			60,700			125
130	64.5	216.0	59,300			59,300			130
135	63.1	212.9	57,900			57,900			135
140	61.7	209.6	56,600			56,600			140
145	60.2	206.1	55,300			55,300			145
150	58.7	202.4	54,100			54,100			150
155	57.2	198.5	53,100			53,100			155
160	55.7	194.4	52,000			52,000			160
165	54.1	190.1	51,000			51,000			165
170	52.5	185.5	50,100			50,100			170
175	50.9	180.7	49,100			49,100			175
180	49.2	175.6	48,300			48,300			180
190	45.6	164.3	46,800			46,800			190
200	41.7	151.4	45,400			45,400			200
210	37.4	136.5	44,200			44,200			210
220	32.5	118.6	39,100			43,200			220
230									230

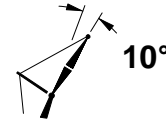
MLC650 VPC-MAX S-1



203.4 ft



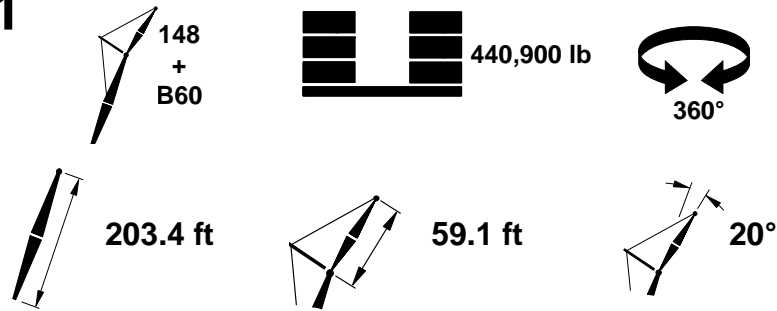
59.1 ft



10°

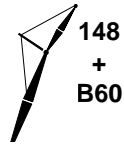
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
55	82.3	268.0	111,400			111,400			55
60	81.2	267.0	109,100	95,800		109,100	95,800		60
65	80.1	265.9	106,900	94,000	84,200	106,900	94,000	84,200	65
70	79.0	264.7	104,700	92,400	82,900	104,700	92,400	82,900	70
75	77.8	263.3	102,700	90,800	81,600	102,700	90,800	81,600	75
80	76.7	261.9	100,700	89,300	80,400	100,700	89,300	80,400	80
85	75.6	260.4	98,800	87,800	79,300	98,800	87,800	79,300	85
90	74.4	258.7	97,000	86,400	78,000	97,000	86,400	78,000	90
95	73.3	256.9	95,300	85,100	77,000	95,300	85,100	77,000	95
100	72.1	255.1	93,600	83,800	75,900	93,600	83,800	75,900	100
105	70.9	253.1	92,000	82,500	74,900	92,000	82,500	74,900	105
110	69.7	250.9	89,300	81,300	73,800	89,300	81,300	73,800	110
115	68.5	248.7	86,400	80,100	72,900	86,400	80,100	72,900	115
120	67.3	246.3	83,700	79,000	72,000	83,700	79,000	72,000	120
125	66.1	243.8	81,200	77,900	71,100	81,200	77,900	71,100	125
130	64.9	241.2	78,800	76,800	70,200	78,800	76,800	70,200	130
135	63.6	238.4	76,600	75,800	69,400	76,600	75,800	69,400	135
140	62.4	235.5	74,500	73,900	68,500	74,500	73,900	68,500	140
145	61.1	232.4	72,500	71,900	67,800	72,500	71,900	67,800	145
150	59.8	229.2	70,700	70,100	67,000	70,700	70,100	67,000	150
155	58.5	225.8	68,800	68,400	66,300	68,800	68,400	66,300	155
160	57.1	222.2	67,200	66,700	65,600	67,200	66,700	65,600	160
165	55.8	218.5	65,600	65,200	64,700	65,600	65,200	64,700	165
170	54.4	214.5	64,100	63,700	63,200	64,100	63,700	63,200	170
175	53.0	210.4	62,700	62,200	61,800	62,700	62,200	61,800	175
180	51.5	206.1	61,300	60,800	57,700	61,300	60,900	60,400	180
190	48.5	196.6	55,600	52,700	50,000	58,700	58,400	58,000	190
200	45.4	186.1	47,800	45,300	43,000	56,400	56,100	55,700	200
210	42.0	174.4	40,800	38,600	36,600	54,400	54,000	53,700	210
220	38.4	161.1	34,300	32,500	30,700	52,400	52,100	51,900	220
230	34.4	145.7	28,300	26,800	25,300	50,800	50,500	50,300	230
240	29.8	127.5	22,800	21,500	20,200	49,300	49,000	48,800	240
250	24.4	104.8	17,500	16,400	15,400	48,000	47,800	47,600	250

MLC650 VPC-MAX S-1

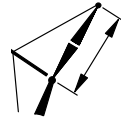


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
55									55
60									60
65	82.0	263.6	89,400			89,400			65
70	80.9	262.3	86,400			86,400			70
75	79.7	261.0	83,500			83,500			75
80	78.6	259.5	80,800			80,800			80
85	77.4	258.0	78,300			78,300			85
90	76.3	256.3	76,000			76,000			90
95	75.1	254.5	73,800			73,800			95
100	73.9	252.6	71,700			71,700			100
105	72.8	250.6	69,800			69,800			105
110	71.6	248.5	68,000			68,000			110
115	70.4	246.2	66,200			66,200			115
120	69.1	243.8	64,600			64,600			120
125	67.9	241.3	63,000			63,000			125
130	66.7	238.6	61,600			61,600			130
135	65.4	235.8	60,200			60,200			135
140	64.1	232.8	58,900			58,900			140
145	62.8	229.7	57,600			57,600			145
150	61.5	226.5	56,400			56,400			150
155	60.2	223.0	55,300			55,300			155
160	58.8	219.4	54,200			54,200			160
165	57.4	215.6	53,200			53,200			165
170	56.0	211.6	52,200			52,200			170
175	54.6	207.4	51,300			51,300			175
180	53.1	203.0	50,400			50,400			180
190	50.1	193.4	48,800			48,800			190
200	46.8	182.7	47,200			47,200			200
210	43.4	170.7	42,600			42,600			210
220	39.7	157.0	35,800			35,800			220
230	35.6	141.2	29,500			29,500			230
240	30.8	122.3	23,600			23,600			240
250									250

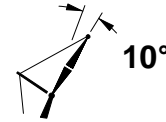
MLC650 VPC-MAX S-1



223.1 ft



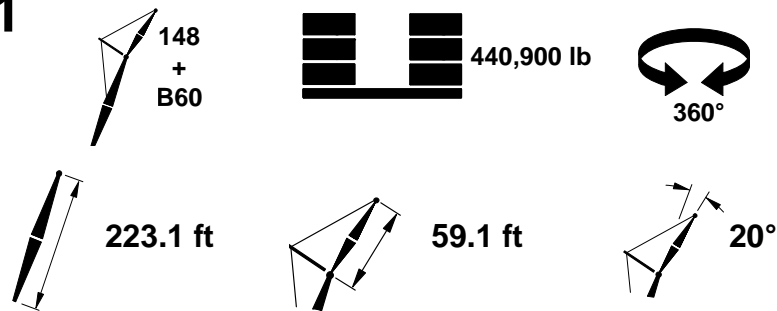
59.1 ft



10°

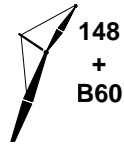
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
55	82.9	288.0	112,100			112,100			55
60	81.8	287.1	109,900	96,200		109,900	96,200		60
65	80.8	286.1	107,800	94,600	84,500	107,800	94,600	84,500	65
70	79.8	284.9	105,800	93,100	83,300	105,800	93,100	83,300	70
75	78.7	283.7	103,800	91,600	82,100	103,800	91,600	82,100	75
80	77.7	282.4	102,000	90,200	81,000	102,000	90,200	81,000	80
85	76.6	280.9	100,200	88,800	79,900	100,200	88,800	79,900	85
90	75.6	279.4	98,500	87,400	78,900	98,500	87,400	78,900	90
95	74.5	277.8	96,800	86,200	77,700	96,800	86,200	77,700	95
100	73.4	276.0	95,200	84,900	76,800	95,200	84,900	76,800	100
105	72.3	274.2	93,700	83,700	75,800	93,700	83,700	75,800	105
110	71.2	272.2	92,200	82,600	74,900	92,200	82,600	74,900	110
115	70.1	270.2	90,200	81,400	73,900	90,200	81,400	73,900	115
120	69.0	268.0	87,500	80,400	73,000	87,500	80,400	73,000	120
125	67.9	265.7	84,900	79,300	72,200	84,900	79,300	72,200	125
130	66.8	263.3	82,600	78,200	71,300	82,600	78,200	71,300	130
135	65.7	260.8	80,200	77,300	70,500	80,200	77,300	70,500	135
140	64.5	258.1	78,100	76,300	69,700	78,100	76,300	69,700	140
145	63.3	255.3	76,000	75,400	69,000	76,000	75,400	69,000	145
150	62.2	252.4	74,200	73,500	68,300	74,200	73,500	68,300	150
155	61.0	249.4	72,300	71,800	67,500	72,300	71,800	67,500	155
160	59.8	246.1	70,600	70,100	66,800	70,600	70,100	66,800	160
165	58.5	242.8	69,000	68,400	66,200	69,000	68,400	66,200	165
170	57.3	239.3	67,400	66,900	64,100	67,400	66,900	65,500	170
175	56.0	235.6	65,900	63,500	59,800	65,900	65,400	64,900	175
180	54.8	231.7	62,800	59,100	55,600	64,500	64,000	63,600	180
190	52.1	223.4	54,200	51,000	47,900	61,800	61,400	61,000	190
200	49.4	214.3	46,500	43,700	41,000	59,400	59,000	58,700	200
210	46.5	204.3	39,500	37,000	34,600	57,200	56,800	56,500	210
220	43.5	193.1	33,000	30,900	28,800	55,200	54,900	54,500	220
230	40.2	180.7	27,100	25,200	23,400	53,400	53,100	52,800	230
240	36.7	166.6	21,600	20,000	18,400	51,700	51,400	51,200	240
250	32.9	150.4	16,500	15,100	13,800	50,200	50,000	49,700	250
260	28.5	131.3	11,700	10,600	9,400	48,900	48,700	48,400	260
270	23.2	107.5	7,100			47,800	47,600	47,400	270

MLC650 VPC-MAX S-1

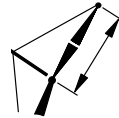


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
55									55
60									60
65	82.6	283.7	90,900			90,900			65
70	81.5	282.5	88,000			88,000			70
75	80.5	281.3	85,200			85,200			75
80	79.4	279.9	82,700			82,700			80
85	78.4	278.5	80,200			80,200			85
90	77.3	277.0	77,900			77,900			90
95	76.2	275.3	75,800			75,800			95
100	75.1	273.6	73,800			73,800			100
105	74.0	271.7	71,900			71,900			105
110	72.9	269.7	70,000			70,000			110
115	71.8	267.7	68,400			68,400			115
120	70.7	265.5	66,700			66,700			120
125	69.6	263.2	65,200			65,200			125
130	68.5	260.7	63,700			63,700			130
135	67.3	258.2	62,300			62,300			135
140	66.1	255.5	61,000			61,000			140
145	65.0	252.7	59,700			59,700			145
150	63.8	249.7	58,500			58,500			150
155	62.6	246.6	57,400			57,400			155
160	61.4	243.3	56,300			56,300			160
165	60.1	239.9	55,300			55,300			165
170	58.9	236.4	54,300			54,300			170
175	57.6	232.6	53,300			53,300			175
180	56.3	228.7	52,400			52,400			180
190	53.6	220.3	50,700			50,700			190
200	50.8	211.1	48,900			49,100			200
210	47.9	200.9	41,600			47,700			210
220	44.8	189.5	34,900			46,400			220
230	41.5	176.8	28,700			45,300			230
240	37.9	162.4	23,000			44,300			240
250	33.9	145.7	17,600			43,500			250
260	29.3	125.8	12,500			42,800			260
270									270

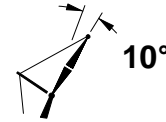
MLC650 VPC-MAX S-1



242.8 ft



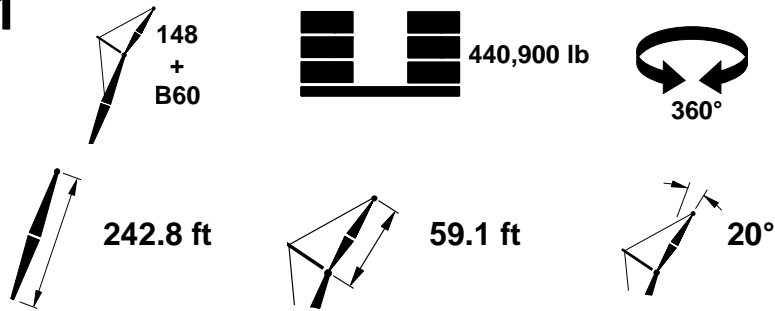
59.1 ft



10°

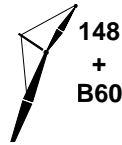
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
60	82.4	307.1	110,500			110,500			60
65	81.4	306.1	108,600	95,000		108,600	95,000		65
70	80.4	305.1	106,700	93,600	83,600	106,700	93,600	83,600	70
75	79.5	303.9	104,900	92,200	82,500	104,900	92,200	82,500	75
80	78.5	302.7	103,100	90,900	81,500	103,100	90,900	81,500	80
85	77.5	301.4	101,400	89,600	80,400	101,400	89,600	80,400	85
90	76.5	300.0	99,800	88,300	79,400	99,800	88,300	79,400	90
95	75.5	298.4	98,200	87,100	78,500	98,200	87,100	78,500	95
100	74.5	296.8	96,600	85,900	77,500	96,600	85,900	77,500	100
105	73.5	295.1	95,200	84,700	76,500	95,200	84,700	76,500	105
110	72.5	293.3	93,700	83,700	75,700	93,700	83,700	75,700	110
115	71.5	291.4	92,300	82,500	74,800	92,300	82,500	74,800	115
120	70.5	289.4	91,000	81,500	73,900	91,000	81,500	73,900	120
125	69.5	287.3	88,500	80,500	73,100	88,500	80,500	73,100	125
130	68.4	285.1	86,100	79,500	72,300	86,100	79,500	72,300	130
135	67.4	282.7	83,700	78,600	71,500	83,700	78,600	71,500	135
140	66.3	280.3	81,600	77,600	70,800	81,600	77,600	70,800	140
145	65.3	277.7	79,500	76,700	70,000	79,500	76,700	70,000	145
150	64.2	275.1	77,600	75,800	69,200	77,600	75,800	69,200	150
155	63.1	272.3	75,700	75,000	68,600	75,700	75,000	68,600	155
160	62.0	269.3	73,900	73,300	67,900	73,900	73,300	67,900	160
165	60.9	266.3	72,200	68,600	63,900	72,200	71,600	67,300	165
170	59.8	263.1	68,300	63,700	59,300	70,600	70,000	66,700	170
175	58.6	259.8	63,400	59,000	54,900	69,100	68,600	66,000	175
180	57.5	256.3	58,700	54,600	50,700	67,600	67,100	65,400	180
190	55.1	248.9	50,100	46,500	43,100	64,800	64,400	64,000	190
200	52.6	240.8	42,300	39,200	36,100	62,400	62,000	61,500	200
210	50.1	231.9	35,300	32,500	29,800	60,000	59,700	59,300	210
220	47.5	222.2	28,800	26,400	24,000	57,900	57,600	57,300	220
230	44.7	211.6	22,900	20,800	18,700	56,000	55,700	55,400	230
240	41.8	199.8	17,500	15,600	13,800	54,300	53,900	53,600	240
250	38.6	186.7	12,500	10,800	9,200	52,600	52,300	52,100	250
260	35.3	171.9	7,800			51,100	50,900	50,600	260
270	31.5	154.9				49,800	49,600	49,300	270
280	27.3	134.9				48,600	48,400	48,200	280
290	22.2	109.9				47,600	47,400	47,200	290

MLC650 VPC-MAX S-1

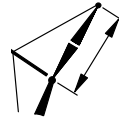


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
60									60
65									65
70	82.1	302.7	89,500			89,500			70
75	81.1	301.5	86,800	82,200		86,800	82,200		75
80	80.1	300.2	84,300	81,300	73,700	84,300	81,300	73,700	80
85	79.2	298.9	82,000	80,300	72,900	82,000	80,300	72,900	85
90	78.2	297.5	79,800	79,400	72,100	79,800	79,400	72,100	90
95	77.2	296.0	77,600	77,200	71,400	77,600	77,200	71,400	95
100	76.2	294.3	75,700	75,300	70,700	75,700	75,300	70,700	100
105	75.1	292.6	73,800	73,500	70,000	73,800	73,500	70,000	105
110	74.1	290.8	72,000	71,700	69,400	72,000	71,700	69,400	110
115	73.1	288.9	70,300	70,000	68,800	70,300	70,000	68,800	115
120	72.1	286.8	68,700	68,400	67,500	68,700	68,400	67,500	120
125	71.0	284.7	67,200	66,900	66,100	67,200	66,900	66,100	125
130	70.0	282.5	65,700	65,400	64,700	65,700	65,400	64,700	130
135	68.9	280.1	64,300	64,000	63,400	64,300	64,000	63,400	135
140	67.9	277.6	63,000	62,800	62,100	63,000	62,800	62,100	140
145	66.8	275.1	61,700	61,500	60,900	61,700	61,500	60,900	145
150	65.7	272.4	60,600	60,300	59,700	60,600	60,300	59,700	150
155	64.6	269.5	59,400	59,100	58,600	59,400	59,100	58,600	155
160	63.5	266.6	58,300	58,100	57,600	58,300	58,100	57,600	160
165	62.4	263.5	57,200	57,000	56,600	57,200	57,000	56,600	165
170	61.2	260.3	56,200	56,000	55,600	56,200	56,000	55,600	170
175	60.1	256.9	55,200	55,000	54,700	55,200	55,000	54,700	175
180	58.9	253.4	54,300	54,100	53,800	54,300	54,100	53,800	180
190	56.5	245.8	52,600	49,500	46,000	52,600	52,400	52,200	190
200	54.0	237.6	45,100	41,800	38,800	51,000	50,800	50,600	200
210	51.5	228.7	37,800	34,900	32,200	49,500	49,400	49,200	210
220	48.8	218.8	31,100	28,500	26,100	48,200	48,000	47,900	220
230	46.0	208.0	24,900	22,700	20,500	46,900	46,800	46,700	230
240	43.0	196.0	19,200	17,200	15,400	45,900	45,700	45,500	240
250	39.8	182.6	13,900	12,200	10,500	44,900	44,700	44,600	250
260	36.3	167.4	8,900			44,000	43,800	43,700	260
270	32.4	149.9				43,300	43,100	43,000	270
280	28.0	129.0				42,700	42,600	42,400	280
290									290

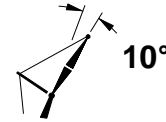
MLC650 VPC-MAX S-1



262.5 ft



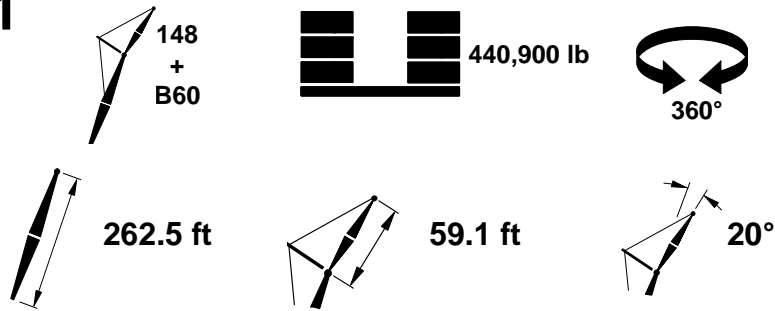
59.1 ft



10°

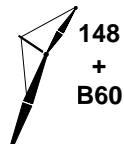
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
60	82.9	327.1	111,100			111,100			60
65	81.9	326.2	109,200	95,300		109,200	95,300		65
70	81.0	325.2	107,400	93,900		107,400	93,900		70
75	80.1	324.1	105,700	92,700	82,700	105,700	92,700	82,700	75
80	79.2	323.0	104,000	91,400	81,700	104,000	91,400	81,700	80
85	78.3	321.7	102,400	90,100	80,700	102,400	90,100	80,700	85
90	77.4	320.4	100,800	89,000	79,800	100,800	89,000	79,800	90
95	76.4	319.0	99,300	87,800	78,900	99,300	87,800	78,900	95
100	75.5	317.5	97,800	86,600	77,900	97,800	86,600	77,900	100
105	74.6	315.9	96,400	85,600	77,100	96,400	85,600	77,100	105
110	73.6	314.2	95,000	84,500	76,300	95,000	84,500	76,300	110
115	72.7	312.4	93,700	83,500	75,400	93,700	83,500	75,400	115
120	71.7	310.6	92,500	82,500	74,600	92,500	82,500	74,600	120
125	70.8	308.6	91,200	81,500	73,800	91,200	81,500	73,800	125
130	69.8	306.5	89,500	80,600	73,100	89,500	80,600	73,100	130
135	68.9	304.4	87,100	79,600	72,300	87,100	79,600	72,300	135
140	67.9	302.1	84,900	78,800	71,600	84,900	78,800	71,600	140
145	66.9	299.8	82,800	77,900	70,800	82,800	77,900	70,800	145
150	65.9	297.3	80,800	77,000	70,100	80,800	77,000	70,100	150
155	64.9	294.7	78,900	76,200	69,500	78,900	76,200	69,500	155
160	63.9	292.0	76,600	70,700	65,300	77,100	75,400	68,800	160
165	62.9	289.2	71,000	65,500	60,400	75,300	74,700	68,200	165
170	61.8	286.3	65,700	60,600	55,800	73,700	73,100	67,600	170
175	60.8	283.2	60,700	56,000	51,500	72,100	71,600	67,000	175
180	59.7	280.0	56,000	51,600	47,400	70,600	70,100	66,400	180
190	57.6	273.3	47,400	43,500	39,800	67,800	67,300	65,300	190
200	55.4	266.0	39,600	36,100	32,900	65,200	64,800	64,200	200
210	53.1	258.0	32,600	29,500	26,600	62,800	62,400	62,000	210
220	50.7	249.4	26,200	23,400	20,800	60,700	60,200	59,900	220
230	48.3	240.0	20,300	17,800	15,500	58,600	58,300	57,900	230
240	45.8	229.8	14,900	12,700	10,600	56,800	56,400	56,100	240
250	43.1	218.6	9,800	7,900		55,000	54,700	54,400	250
260	40.2	206.2				53,500	53,100	52,900	260
270	37.2	192.4				52,000	51,700	51,400	270
280	33.9	177.0				50,700	50,400	50,100	280
290	30.3	159.2				49,500	49,200	49,000	290
300	26.2	138.3				48,400	48,100	47,900	300
310	21.2	112.2				47,500	47,300	46,800	310

MLC650 VPC-MAX S-1

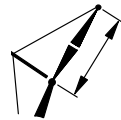


ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
60									60
65									65
70	82.6	322.7	90,800			90,800			70
75	81.7	321.6	88,300	82,500		88,300	82,500		75
80	80.8	320.5	85,900	81,500	73,800	85,900	81,500	73,800	80
85	79.8	319.2	83,500	80,700	73,100	83,500	80,700	73,100	85
90	78.9	317.9	81,400	79,800	72,300	81,400	79,800	72,300	90
95	78.0	316.5	79,400	79,000	71,700	79,400	79,000	71,700	95
100	77.0	314.9	77,400	77,000	71,000	77,400	77,000	71,000	100
105	76.1	313.3	75,600	75,200	70,400	75,600	75,200	70,400	105
110	75.2	311.6	73,800	73,500	69,800	73,800	73,500	69,800	110
115	74.2	309.9	72,200	71,800	69,200	72,200	71,800	69,200	115
120	73.2	308.0	70,500	70,200	68,600	70,500	70,200	68,600	120
125	72.3	306.0	69,000	68,700	67,800	69,000	68,700	67,800	125
130	71.3	303.9	67,600	67,300	66,500	67,600	67,300	66,500	130
135	70.3	301.7	66,200	65,900	65,100	66,200	65,900	65,100	135
140	69.3	299.5	64,900	64,600	63,900	64,900	64,600	63,900	140
145	68.3	297.1	63,600	63,300	62,700	63,600	63,300	62,700	145
150	67.3	294.6	62,400	62,200	61,500	62,400	62,200	61,500	150
155	66.3	292.0	61,300	61,000	60,400	61,300	61,000	60,400	155
160	65.3	289.3	60,200	59,900	59,300	60,200	59,900	59,300	160
165	64.3	286.4	59,100	58,800	58,300	59,100	58,800	58,300	165
170	63.2	283.5	58,100	57,900	57,400	58,100	57,900	57,400	170
175	62.2	280.4	57,100	56,900	55,100	57,100	56,900	56,400	175
180	61.1	277.2	56,100	55,100	50,800	56,100	55,900	55,500	180
190	58.9	270.3	50,700	46,700	42,900	54,400	54,200	53,800	190
200	56.7	262.9	42,700	39,100	35,700	52,700	52,500	52,300	200
210	54.4	254.9	35,300	32,200	29,200	51,200	51,000	50,900	210
220	52.0	246.1	28,600	25,800	23,100	49,900	49,700	49,500	220
230	49.5	236.6	22,500	20,000	17,600	48,500	48,400	48,300	230
240	46.9	226.2	16,800	14,600	12,500	47,400	47,200	47,100	240
250	44.2	214.8	11,600	9,600	7,700	46,200	46,200	46,000	250
260	41.3	202.2	6,700			45,300	45,100	45,100	260
270	38.2	188.2				44,400	44,300	44,200	270
280	34.9	172.3				43,600	43,600	43,400	280
290	31.1	154.0				43,000	42,900	42,900	290
300									300
310									310

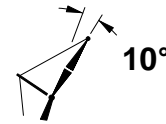
MLC650 VPC-MAX S-1



282.2 ft



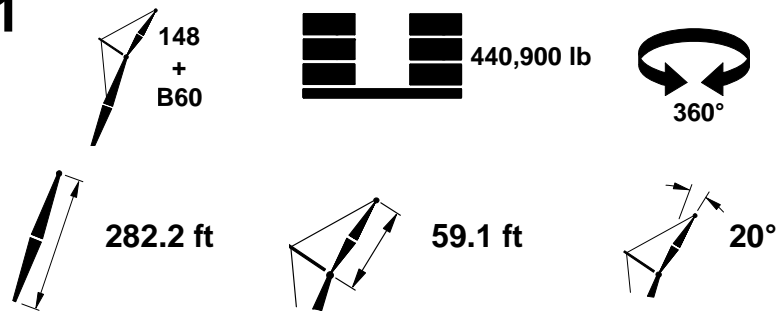
59.1 ft



10°

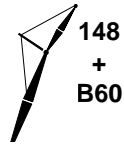
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
65	82.4	346.2	106,600			106,600			65
70	81.6	345.2	105,000	91,900		105,000	91,900		70
75	80.7	344.2	103,500	90,700	81,000	103,500	90,700	81,000	75
80	79.8	343.1	101,900	89,600	80,100	101,900	89,600	80,100	80
85	79.0	342.0	100,500	88,500	79,300	100,500	88,500	79,300	85
90	78.1	340.7	99,000	87,400	78,400	99,000	87,400	78,400	90
95	77.3	339.4	97,700	86,300	77,600	97,700	86,300	77,600	95
100	76.4	338.0	96,300	85,300	76,700	96,300	85,300	76,700	100
105	75.5	336.5	95,000	84,300	76,000	95,000	84,300	76,000	105
110	74.6	334.9	93,800	83,300	75,100	93,800	83,300	75,100	110
115	73.7	333.3	92,500	82,400	74,400	92,500	82,400	74,400	115
120	72.9	331.5	91,400	81,500	73,700	91,400	81,500	73,700	120
125	72.0	329.7	90,200	80,600	72,900	90,200	80,600	72,900	125
130	71.1	327.8	89,100	79,700	72,200	89,100	79,700	72,200	130
135	70.2	325.8	88,000	78,900	71,500	88,000	78,900	71,500	135
140	69.2	323.7	86,900	78,000	70,900	86,900	78,000	70,900	140
145	68.3	321.5	86,000	77,200	70,200	86,000	77,200	70,200	145
150	67.4	319.2	85,000	76,400	69,600	85,000	76,400	69,600	150
155	66.5	316.8	83,400	75,700	68,900	83,400	75,700	68,900	155
160	65.5	314.3	81,500	74,900	68,300	81,500	74,900	68,300	160
165	64.6	311.7	78,300	72,000	66,200	79,700	74,200	67,700	165
170	63.6	308.9	72,600	66,800	61,300	78,000	73,500	67,100	170
175	62.7	306.1	67,300	61,800	56,700	76,300	72,800	66,500	175
180	61.7	303.2	62,300	57,100	52,300	74,700	72,100	66,000	180
190	59.7	297.0	53,000	48,500	44,200	71,700	70,800	65,000	190
200	57.7	290.3	44,700	40,600	36,900	69,000	68,300	63,900	200
210	55.6	283.1	37,100	33,500	30,200	66,500	65,800	63,000	210
220	53.5	275.2	30,300	27,100	24,000	64,200	63,500	62,200	220
230	51.3	266.8	24,000	21,100	18,400	62,000	61,400	60,600	230
240	49.0	257.7	18,200	15,600	13,200	60,000	59,500	58,700	240
250	46.7	247.8	12,900	10,600	8,400	58,100	57,700	57,000	250
260	44.2	237.0	7,900			56,400	56,000	55,400	260
270	41.6	225.3				54,900	54,500	54,000	270
280	38.9	212.3				53,400	53,100	52,600	280
290	35.9	197.9				52,000	51,800	51,400	290
300	32.7	181.8				50,000	49,300	47,100	300
310	29.2	163.3				45,500	44,800	42,900	310
320	25.2	141.5				41,200	40,600	38,900	320
330	20.3	114.3				37,100	36,600	35,100	330

MLC650 VPC-MAX S-1

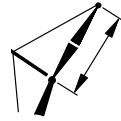


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
65									65
70									70
75	82.2	341.7	90,500			90,500			75
80	81.3	340.6	88,800	79,900		88,800	79,900		80
85	80.4	339.5	86,500	79,000	71,600	86,500	79,000	71,600	85
90	79.6	338.2	84,300	78,300	71,000	84,300	78,300	71,000	90
95	78.7	336.9	82,300	77,500	70,400	82,300	77,500	70,400	95
100	77.8	335.5	80,300	76,800	69,700	80,300	76,800	69,700	100
105	76.9	334.0	78,500	76,100	69,200	78,500	76,100	69,200	105
110	76.1	332.4	76,600	75,300	68,600	76,600	75,300	68,600	110
115	75.2	330.7	74,900	74,200	68,100	74,900	74,200	68,100	115
120	74.3	328.9	73,300	72,600	67,500	73,300	72,600	67,500	120
125	73.4	327.1	71,800	71,100	67,000	71,800	71,100	67,000	125
130	72.5	325.1	70,300	69,600	66,500	70,300	69,600	66,500	130
135	71.5	323.1	68,900	68,200	66,000	68,900	68,200	66,000	135
140	70.6	321.0	67,600	66,900	65,500	67,600	66,900	65,500	140
145	69.7	318.8	66,200	65,600	64,300	66,200	65,600	64,300	145
150	68.8	316.5	65,000	64,400	63,200	65,000	64,400	63,200	150
155	67.8	314.0	63,800	63,200	62,100	63,800	63,200	62,100	155
160	66.9	311.5	62,700	62,100	61,000	62,700	62,100	61,000	160
165	65.9	308.9	61,600	61,100	60,000	61,600	61,100	60,000	165
170	65.0	306.2	60,500	60,000	59,000	60,500	60,000	59,000	170
175	64.0	303.3	59,500	59,000	58,100	59,500	59,000	58,100	175
180	63.0	300.4	58,600	58,100	56,100	58,600	58,100	57,200	180
190	61.0	294.1	56,700	52,000	47,600	56,800	56,300	55,400	190
200	59.0	287.3	48,000	43,900	40,000	55,100	54,600	53,900	200
210	56.9	280.0	40,200	36,500	33,000	53,500	53,100	52,400	210
220	54.7	272.1	33,100	29,800	26,700	52,000	51,700	51,100	220
230	52.5	263.6	26,500	23,600	20,800	50,600	50,300	49,800	230
240	50.2	254.3	20,500	17,900	15,400	49,400	49,100	48,600	240
250	47.8	244.3	14,900	12,600	10,300	48,300	48,000	47,600	250
260	45.3	233.3	9,800	7,700		47,200	47,000	46,600	260
270	42.7	221.4				46,200	46,000	45,700	270
280	39.9	208.2				45,300	45,200	44,900	280
290	36.8	193.5				44,500	44,400	44,300	290
300	33.6	176.9				43,800	43,700	43,600	300
310	29.9	157.8				43,300	43,200	43,000	310
320									320
330									330

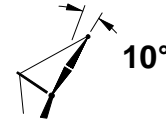
MLC650 VPC-MAX S-1



301.8 ft



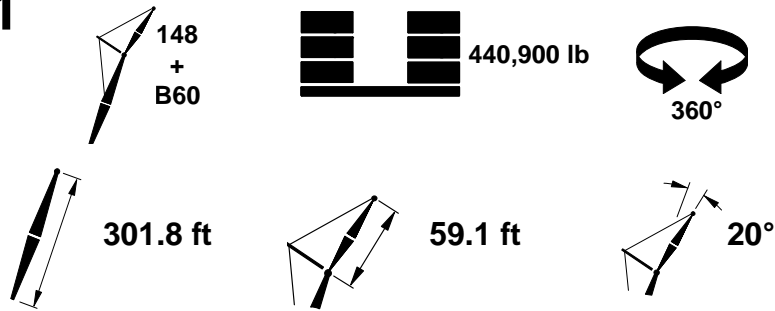
59.1 ft



10°

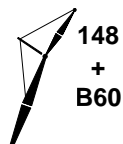
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
65	82.8	366.1	106,900			106,900			65
70	82.0	365.3	105,300			105,300			70
75	81.2	364.3	103,900	90,800		103,900	90,800		75
80	80.4	363.3	102,500	89,700	80,100	102,500	89,700	80,100	80
85	79.6	362.2	101,100	88,700	79,300	101,100	88,700	79,300	85
90	78.8	361.0	99,700	87,600	78,500	99,700	87,600	78,500	90
95	78.0	359.8	98,400	86,700	77,700	98,400	86,700	77,700	95
100	77.1	358.4	97,100	85,700	76,900	97,100	85,700	76,900	100
105	76.3	357.0	95,900	84,800	76,200	95,900	84,800	76,200	105
110	75.5	355.5	94,600	83,800	75,500	94,600	83,800	75,500	110
115	74.7	354.0	93,500	82,900	74,700	93,500	82,900	74,700	115
120	73.8	352.3	92,400	82,100	74,000	92,400	82,100	74,000	120
125	73.0	350.6	91,300	81,200	73,300	91,300	81,200	73,300	125
130	72.1	348.8	90,200	80,400	72,600	90,200	80,400	72,600	130
135	71.3	346.9	89,100	79,600	72,000	89,100	79,600	72,000	135
140	70.4	345.0	88,100	78,800	71,400	88,100	78,800	71,400	140
145	69.6	342.9	87,100	78,000	70,700	87,100	78,000	70,700	145
150	68.7	340.7	86,100	77,300	70,100	86,100	77,300	70,100	150
155	67.9	338.5	85,200	76,500	69,500	85,200	76,500	69,500	155
160	67.0	336.2	84,300	75,800	68,800	84,300	75,800	68,900	160
165	66.1	333.8	83,400	75,100	68,100	83,400	75,100	68,300	165
170	65.2	331.2	82,500	74,400	67,400	82,500	74,400	67,800	170
175	64.3	328.6	81,600	73,700	66,700	81,600	73,700	67,300	175
180	63.4	325.9	80,700	73,000	66,000	80,700	73,000	66,700	180
190	61.6	320.1	79,800	72,300	65,300	79,800	72,300	66,000	190
200	59.7	313.9	78,900	71,600	64,600	78,900	71,600	65,300	200
210	57.8	307.3	78,000	70,900	63,900	78,000	70,900	64,600	210
220	55.8	300.1	77,100	70,200	63,200	77,100	70,200	63,900	220
230	53.8	292.4	76,200	69,500	62,500	76,200	69,500	63,200	230
240	51.8	284.2	75,300	68,800	61,800	75,300	68,800	62,500	240
250	49.7	275.3	74,400	68,100	61,100	74,400	68,100	61,800	250
260	47.5	265.7	73,500	67,400	60,400	73,500	67,400	61,100	260
270	45.2	255.3	72,600	66,700	59,700	72,600	66,700	60,400	270
280	42.8	244.0	71,700	66,000	59,000	71,700	66,000	59,700	280
290	40.3	231.7	70,800	65,300	58,300	70,800	65,300	59,000	290
300	37.6	218.2	70,000	64,600	57,600	70,000	64,600	58,300	300
310	34.7	203.2	69,100	63,900	56,900	69,100	63,900	57,600	310
320	31.6	186.4	68,200	63,200	56,200	68,200	63,200	56,900	320
330	28.2	167.2	67,300	62,500	55,500	67,300	62,500	56,200	330
340	24.3	144.6	66,400	61,800	54,800	66,400	61,800	55,500	340
350	19.5	116.3	65,500	61,100	54,100	65,500	61,100	54,800	350

MLC650 VPC-MAX S-1

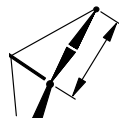


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
65									65
70									70
75	82.6	361.8	90,700			90,700			75
80	81.8	360.7	89,700	79,900		89,700	79,900		80
85	81.0	359.6	87,900	79,100	71,600	87,900	79,100	71,600	85
90	80.2	358.5	85,700	78,400	71,000	85,700	78,400	71,000	90
95	79.3	357.2	83,700	77,700	70,400	83,700	77,700	70,400	95
100	78.5	355.9	81,800	77,000	69,900	81,800	77,000	69,900	100
105	77.7	354.5	80,000	76,300	69,300	80,000	76,300	69,300	105
110	76.8	353.0	78,300	75,700	68,800	78,300	75,700	68,800	110
115	76.0	351.4	76,600	75,000	68,200	76,600	75,000	68,200	115
120	75.2	349.7	75,000	74,200	67,700	75,000	74,200	67,700	120
125	74.3	348.0	73,500	72,700	67,200	73,500	72,700	67,200	125
130	73.5	346.2	72,000	71,300	66,700	72,000	71,300	66,700	130
135	72.6	344.3	70,600	69,900	66,200	70,600	69,900	66,200	135
140	71.8	342.3	69,300	68,600	65,800	69,300	68,600	65,800	140
145	70.9	340.2	68,000	67,300	65,300	68,000	67,300	65,300	145
150	70.0	338.0	66,800	66,100	64,700	66,800	66,100	64,700	150
155	69.1	335.8	65,600	64,900	63,600	65,600	64,900	63,600	155
160	68.3	333.4	64,400	63,800	62,600	64,400	63,800	62,600	160
165	67.4	331.0	63,300	62,700	61,500	63,300	62,700	61,500	165
170	66.5	328.5	62,300	61,700	60,600	62,300	61,700	60,600	170
175	65.6	325.8	61,300	60,700	57,300	61,300	60,700	59,600	175
180	64.7	323.1	60,300	58,000	52,800	60,300	59,700	58,700	180
190	62.8	317.3	54,100	49,100	44,400	58,400	57,900	57,000	190
200	60.9	311.0	45,400	41,000	36,800	56,700	56,200	55,400	200
210	59.0	304.3	37,600	33,600	29,800	55,100	54,600	53,900	210
220	57.0	297.1	30,400	26,900	23,500	53,600	53,200	52,500	220
230	55.0	289.3	23,900	20,700	17,700	52,300	51,800	51,200	230
240	52.9	280.9	17,900	15,000	12,300	51,000	50,600	50,000	240
250	50.8	271.9	12,300	9,700	7,300	49,700	49,400	48,900	250
260	48.5	262.2	7,200			48,600	48,300	47,900	260
270	46.2	251.6				47,600	47,300	47,000	270
280	43.8	240.2				46,700	46,400	46,100	280
290	41.2	227.6				45,700	45,600	45,300	290
300	38.5	213.9				45,000	44,900	44,600	300
310	35.6	198.6				44,100	43,300	41,100	310
320	32.4	181.3				39,700	39,000	37,000	320
330	28.8	161.5				35,500	34,900	33,100	330
340									340
350									350

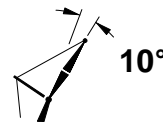
MLC650 VPC-MAX S-1



321.5 ft



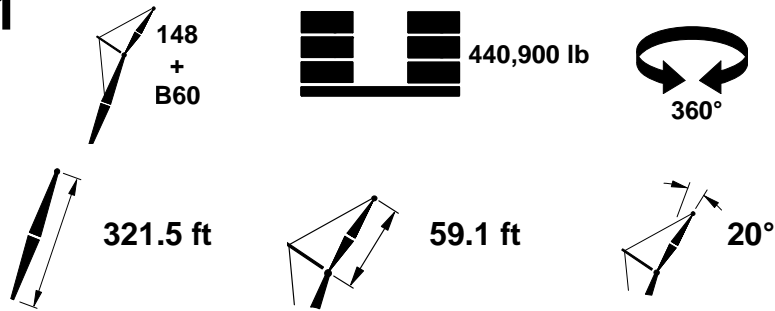
59.1 ft



10°

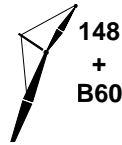
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70	82.4	385.2	105,500			105,500			70
75	81.7	384.3	104,100	90,700		104,100	90,700		75
80	80.9	383.4	102,800	89,700	79,900	102,800	89,700	79,900	80
85	80.1	382.3	101,400	88,700	79,100	101,400	88,700	79,100	85
90	79.4	381.2	100,200	87,800	78,400	100,200	87,800	78,400	90
95	78.6	380.0	98,900	86,900	77,600	98,900	86,900	77,600	95
100	77.8	378.8	97,700	85,900	76,900	97,700	85,900	76,900	100
105	77.0	377.5	96,500	85,000	76,200	96,500	85,000	76,200	105
110	76.3	376.1	95,400	84,200	75,500	95,400	84,200	75,500	110
115	75.5	374.6	94,300	83,400	74,900	94,300	83,400	74,900	115
120	74.7	373.0	93,200	82,500	74,200	93,200	82,500	74,200	120
125	73.9	371.4	92,100	81,700	73,600	92,100	81,700	73,600	125
130	73.1	369.7	91,100	80,900	72,900	91,100	80,900	72,900	130
135	72.3	367.9	90,100	80,100	72,300	90,100	80,100	72,300	135
140	71.5	366.1	89,100	79,300	71,600	89,100	79,300	71,600	140
145	70.7	364.1	88,200	78,600	71,100	88,200	78,600	71,100	145
150	69.9	362.1	87,200	77,900	70,500	87,200	77,900	70,500	150
155	69.1	360.0	83,300	75,200	67,700	86,300	77,100	70,000	155
160	68.3	357.8	76,900	69,200	62,200	85,400	76,500	69,400	160
165	67.4	355.6	70,800	63,700	57,100	84,600	75,800	68,800	165
170	66.6	353.2	65,100	58,400	52,300	83,700	75,200	68,200	170
175	65.8	350.7	59,800	53,500	47,700	82,100	74,500	67,700	175
180	64.9	348.2	54,700	48,800	43,300	80,500	73,800	67,200	180
190	63.2	342.8	45,400	40,200	35,300	77,400	72,600	66,200	190
200	61.5	337.1	37,000	32,300	28,000	74,500	71,500	65,300	200
210	59.7	330.9	29,400	25,300	21,300	71,900	70,400	64,400	210
220	57.9	324.3	22,500	18,800	15,300	69,400	68,500	63,500	220
230	56.0	317.2	16,200	12,900	9,700	67,200	66,300	62,700	230
240	54.2	309.6	10,500	7,400		65,000	64,200	61,900	240
250	52.2	301.5				63,000	62,300	61,200	250
260	50.2	292.8				61,200	60,500	59,700	260
270	48.2	283.4				59,200	58,200	54,700	270
280	46.0	273.3				53,800	52,800	49,600	280
290	43.8	262.5				48,700	47,800	44,800	290
300	41.5	250.7				43,900	43,100	40,400	300
310	39.0	237.9				39,500	38,700	36,200	310
320	36.4	223.8				35,300	34,500	32,300	320
330	33.6	208.3				31,300	30,600	28,600	330
340	30.6	190.9				27,600	26,900	25,100	340
350	27.3	171.0				24,000	23,400	21,800	350
360	23.4	147.5				20,600	20,000	18,600	360
370	18.7	118.1				17,200	16,800	15,500	370

MLC650 VPC-MAX S-1

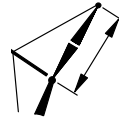


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70									70
75									75
80	82.2	380.8	89,900			89,900			80
85	81.5	379.8	88,900	79,000		88,900	79,000		85
90	80.7	378.6	87,100	78,400	70,800	87,100	78,400	70,800	90
95	79.9	377.5	85,100	77,700	70,300	85,100	77,700	70,300	95
100	79.1	376.2	83,300	77,100	69,800	83,300	77,100	69,800	100
105	78.3	374.9	81,500	76,400	69,200	81,500	76,400	69,200	105
110	77.6	373.5	79,700	75,800	68,800	79,700	75,800	68,800	110
115	76.8	372.0	78,100	75,200	68,200	78,100	75,200	68,200	115
120	76.0	370.4	76,600	74,600	67,700	76,600	74,600	67,700	120
125	75.2	368.8	75,100	74,000	67,300	75,100	74,000	67,300	125
130	74.4	367.1	73,600	72,800	66,800	73,600	72,800	66,800	130
135	73.6	365.3	72,200	71,400	66,400	72,200	71,400	66,400	135
140	72.8	363.4	70,900	70,100	66,000	70,900	70,100	66,000	140
145	71.9	361.5	69,600	68,800	65,500	69,600	68,800	65,500	145
150	71.1	359.4	68,400	67,600	65,100	68,400	67,600	65,100	150
155	70.3	357.3	67,200	66,500	64,700	67,200	66,500	64,700	155
160	69.5	355.1	66,100	65,300	64,000	66,100	65,300	64,000	160
165	68.6	352.8	65,000	64,300	61,900	65,000	64,300	63,000	165
170	67.8	350.4	63,900	63,200	56,800	63,900	63,200	62,000	170
175	67.0	348.0	62,900	58,100	52,100	62,900	62,200	61,100	175
180	66.1	345.4	59,300	53,200	47,600	61,900	61,300	60,200	180
190	64.4	340.0	49,600	44,200	39,200	60,100	59,400	58,400	190
200	62.6	334.2	40,900	36,100	31,600	58,300	57,700	56,800	200
210	60.8	327.9	33,000	28,700	24,700	56,700	56,100	55,300	210
220	59.0	321.2	25,900	22,000	18,400	55,200	54,700	53,900	220
230	57.2	314.1	19,300	15,800	12,500	53,800	53,300	52,600	230
240	55.3	306.4	13,300	10,100	7,200	52,500	52,000	51,400	240
250	53.3	298.2	7,700			51,200	50,800	50,200	250
260	51.3	289.4				50,100	49,700	49,200	260
270	49.2	279.9				49,000	48,600	48,200	270
280	47.0	269.7				48,000	47,700	47,300	280
290	44.8	258.7				47,000	46,800	46,100	290
300	42.4	246.7				45,100	44,300	41,500	300
310	39.9	233.7				40,500	39,700	37,200	310
320	37.3	219.4				36,200	35,400	33,200	320
330	34.4	203.5				32,100	31,400	29,300	330
340	31.3	185.5				28,100	27,500	25,700	340
350	27.8	164.9				24,400	23,800	22,200	350
360									360
370									370

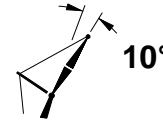
MLC650 VPC-MAX S-1



341.2 ft



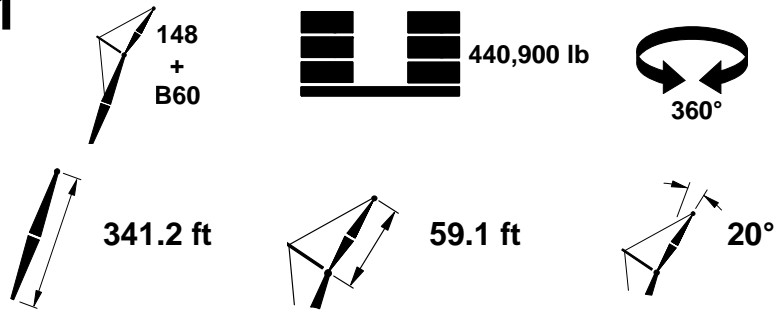
59.1 ft



10°

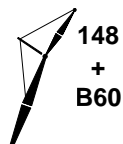
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70	82.8	405.2	105,500			105,500			70
75	82.1	404.3	104,200			104,200			75
80	81.4	403.4	102,900	89,500		102,900	89,500		80
85	80.6	402.4	101,700	88,600	78,800	101,700	88,600	78,800	85
90	79.9	401.4	100,500	87,700	78,100	100,500	87,700	78,100	90
95	79.2	400.2	99,300	86,800	77,400	99,300	86,800	77,400	95
100	78.4	399.1	98,200	86,000	76,800	98,200	86,000	76,800	100
105	77.7	397.8	97,000	85,100	76,200	97,000	85,100	76,200	105
110	77.0	396.5	95,900	84,400	75,500	95,900	84,400	75,500	110
115	76.2	395.1	94,900	83,500	74,800	94,900	83,500	74,800	115
120	75.5	393.6	93,900	82,800	74,300	93,900	82,800	74,300	120
125	74.7	392.1	92,800	82,000	73,700	92,800	82,000	73,700	125
130	74.0	390.5	91,800	81,200	73,100	91,800	81,200	73,100	130
135	73.2	388.8	90,800	80,500	72,400	90,800	80,500	72,400	135
140	72.5	387.0	89,900	79,800	71,900	89,900	79,800	71,900	140
145	71.7	385.2	89,000	79,000	71,300	89,000	79,000	71,300	145
150	70.9	383.3	88,100	78,300	70,700	88,100	78,300	70,700	150
155	70.2	381.3	87,200	77,700	70,200	87,200	77,700	70,200	155
160	69.4	379.3	86,200	77,000	69,600	86,400	77,000	69,600	160
165	68.6	377.1	79,700	71,700	64,300	85,500	76,400	69,100	165
170	67.8	374.9	73,700	66,100	59,200	84,700	75,700	68,600	170
175	67.0	372.6	67,900	60,900	54,400	83,900	75,100	68,100	175
180	66.2	370.2	62,500	55,900	49,800	83,100	74,500	67,700	180
190	64.6	365.2	52,600	46,700	41,200	80,100	73,300	66,700	190
200	63.0	359.8	43,700	38,400	33,500	77,200	72,200	65,800	200
210	61.4	354.0	35,600	30,900	26,500	74,500	71,100	64,900	210
220	59.7	347.9	28,300	24,100	20,100	72,000	70,100	64,000	220
230	58.0	341.3	21,600	17,800	14,200	69,700	68,600	63,300	230
240	56.2	334.2	15,500	12,000	8,700	67,500	66,500	62,500	240
250	54.4	326.8	9,800	6,700		65,400	64,500	61,700	250
260	52.6	318.8				62,600	61,500	57,400	260
270	50.7	310.2				56,800	55,700	51,900	270
280	48.8	301.1				51,400	50,300	46,900	280
290	46.8	291.3				46,300	45,300	42,200	290
300	44.7	280.8				41,600	40,700	37,700	300
310	42.5	269.4				37,100	36,300	33,600	310
320	40.3	257.2				32,900	32,200	29,700	320
330	37.9	243.9				29,000	28,300	26,000	330
340	35.4	229.3				25,300	24,600	22,500	340
350	32.6	213.2				21,800	21,100	19,200	350
360	29.7	195.1				18,400	17,800	16,100	360
370	26.4	174.5				15,200	14,600	13,100	370
380	22.6	150.2				11,500	11,600	10,300	380

MLC650 VPC-MAX S-1

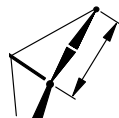


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70									70
75									75
80	82.6	400.8	89,900			89,900			80
85	81.9	399.8	89,100	78,900		89,100	78,900		85
90	81.2	398.8	88,200	78,300		88,200	78,300		90
95	80.4	397.7	86,400	77,700	70,100	86,400	77,700	70,100	95
100	79.7	396.5	84,600	77,000	69,600	84,600	77,000	69,600	100
105	78.9	395.2	82,900	76,500	69,100	82,900	76,500	69,100	105
110	78.2	393.9	81,200	75,900	68,700	81,200	75,900	68,700	110
115	77.4	392.5	79,600	75,300	68,200	79,600	75,300	68,200	115
120	76.7	391.0	78,000	74,800	67,800	78,000	74,800	67,800	120
125	75.9	389.4	76,600	74,200	67,300	76,600	74,200	67,300	125
130	75.2	387.8	75,100	73,700	66,900	75,100	73,700	66,900	130
135	74.4	386.1	73,800	72,900	66,400	73,800	72,900	66,400	135
140	73.7	384.4	72,400	71,600	66,000	72,400	71,600	66,000	140
145	72.9	382.5	71,200	70,300	65,600	71,200	70,300	65,600	145
150	72.1	380.6	69,900	69,100	65,200	69,900	69,100	65,200	150
155	71.3	378.6	68,800	67,900	64,800	68,800	67,900	64,800	155
160	70.6	376.5	67,600	66,800	64,400	67,600	66,800	64,400	160
165	69.8	374.4	66,500	65,700	64,000	66,500	65,700	64,000	165
170	69.0	372.1	65,500	64,700	63,400	65,500	64,700	63,400	170
175	68.2	369.8	64,500	63,700	59,000	64,500	63,700	62,500	175
180	67.4	367.4	63,500	60,500	54,200	63,500	62,700	61,600	180
190	65.8	362.3	57,100	51,000	45,400	61,600	60,900	59,800	190
200	64.1	356.9	47,800	42,400	37,400	59,900	59,200	58,200	200
210	62.5	351.1	39,400	34,600	30,100	58,300	57,600	56,700	210
220	60.8	344.9	31,800	27,500	23,400	56,800	56,100	55,300	220
230	59.0	338.2	24,900	20,900	17,200	55,300	54,700	53,900	230
240	57.3	331.1	18,500	14,900	11,600	54,000	53,400	52,700	240
250	55.5	323.6	12,600	9,400		52,700	52,100	51,500	250
260	53.6	315.5	7,100			51,500	51,000	50,400	260
270	51.7	306.8				50,400	49,900	49,400	270
280	49.8	297.6				49,400	48,900	48,400	280
290	47.7	287.7				47,800	46,800	43,600	290
300	45.6	277.0				42,900	42,000	39,000	300
310	43.4	265.5				38,300	37,500	34,800	310
320	41.1	253.1				34,000	33,200	30,700	320
330	38.7	239.5				29,900	29,200	26,900	330
340	36.1	224.7				26,100	25,400	23,300	340
350	33.3	208.2				22,400	21,800	19,900	350
360	30.3	189.6				18,900	18,300	16,600	360
370									370
380									380

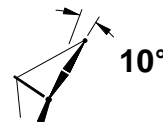
MLC650 VPC-MAX S-1



144.4 ft



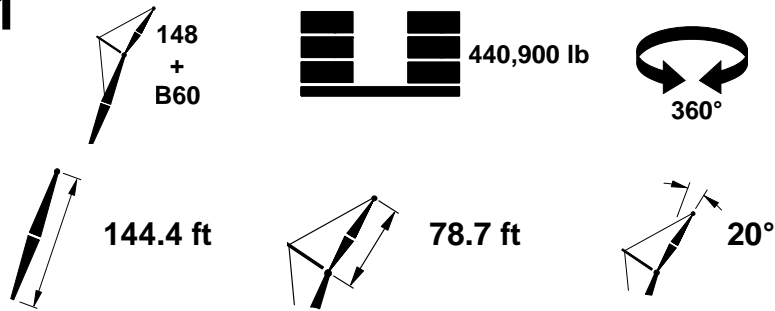
78.7 ft



10°

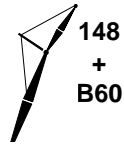
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
55	81.8	227.9	82,200b	70,500b	60,700b	82,200b	70,500b	60,700b	55
60	80.5	226.7	80,200b	68,900b	60,700b	80,200b	68,900b	60,700b	60
65	79.2	225.3	78,100	67,500	59,500	78,100	67,500	59,500	65
70	77.8	223.9	76,300	66,100	58,400	76,300	66,100	58,400	70
75	76.5	222.3	74,400	64,700	57,300	74,400	64,700	57,300	75
80	75.1	220.6	72,700	63,400	56,300	72,700	63,400	56,300	80
85	73.8	218.7	71,100	62,100	55,300	71,100	62,100	55,300	85
90	72.4	216.7	69,500	61,000	54,300	69,500	61,000	54,300	90
95	71.0	214.6	68,000	59,800	53,400	68,000	59,800	53,400	95
100	69.6	212.3	66,600	58,600	52,500	66,600	58,600	52,500	100
105	68.2	209.9	64,500	57,600	51,600	64,500	57,600	51,600	105
110	66.7	207.3	62,000	56,600	50,800	62,000	56,600	50,800	110
115	65.3	204.6	59,600	55,600	50,000	59,600	55,600	50,000	115
120	63.8	201.7	57,500	54,600	49,200	57,500	54,600	49,200	120
125	62.3	198.6	55,400	53,700	48,500	55,400	53,700	48,500	125
130	60.7	195.3	53,600	52,800	47,800	53,600	52,800	47,800	130
135	59.2	191.8	51,800	51,400	47,100	51,800	51,400	47,100	135
140	57.6	188.1	50,100	49,700	46,400	50,100	49,700	46,400	140
145	55.9	184.2	48,600	48,300	45,800	48,600	48,300	45,800	145
150	54.3	180.1	47,200	46,800	45,200	47,200	46,800	45,200	150
155	52.6	175.7	45,800	45,500	44,600	45,800	45,500	44,600	155
160	50.8	171.0	44,500	44,200	43,900	44,500	44,200	43,900	160
165	49.0	166.0	43,300	43,000	42,700	43,300	43,000	42,700	165
170	47.1	160.7	42,100	41,900	41,600	42,100	41,900	41,600	170
175	45.2	155.0	41,000	40,800	40,500	41,000	40,800	40,500	175
180	43.2	149.0	40,000	39,800	39,600	40,000	39,800	39,600	180
190	38.8	135.3	38,100	37,900	37,700	38,100	37,900	37,700	190
200	33.9	119.1	36,400	36,300	36,000	36,400	36,300	36,000	200
210	28.1	98.8	35,000	34,800	34,600	35,000	34,800	34,600	210
220	20.5	70.6	33,800	33,600	33,500	33,800	33,600	33,500	220

MLC650 VPC-MAX S-1

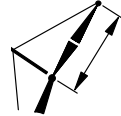


			38.7 ft			60.0 ft			
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
55									55
60									60
65	82.2	222.8	67,900b			67,900b			65
70	80.9	221.4	64,900b			64,900b			70
75	79.5	219.8	62,200			62,200			75
80	78.2	218.0	59,700			59,700			80
85	76.8	216.1	57,400			57,400			85
90	75.4	214.1	55,200			55,200			90
95	74.0	212.0	53,300			53,300			95
100	72.5	209.7	51,400			51,400			100
105	71.1	207.2	49,700			49,700			105
110	69.6	204.6	48,100			48,100			110
115	68.1	201.8	46,600			46,600			115
120	66.6	198.8	45,200			45,200			120
125	65.1	195.7	43,900			43,900			125
130	63.5	192.4	42,600			42,600			130
135	62.0	188.8	41,400			41,400			135
140	60.3	185.1	40,400			40,400			140
145	58.7	181.1	39,300			39,300			145
150	57.0	176.9	38,400			38,400			150
155	55.2	172.4	37,400			37,400			155
160	53.4	167.6	36,600			36,600			160
165	51.6	162.6	35,800			35,800			165
170	49.7	157.1	35,000			35,000			170
175	47.7	151.3	34,200			34,200			175
180	45.6	145.1	33,500			33,500			180
190	41.1	131.0	32,300			32,300			190
200	36.0	114.0	31,300			31,300			200
210	29.9	92.6	30,400			30,400			210
220									220

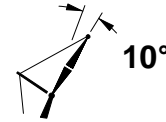
MLC650 VPC-MAX S-1



164.0 ft



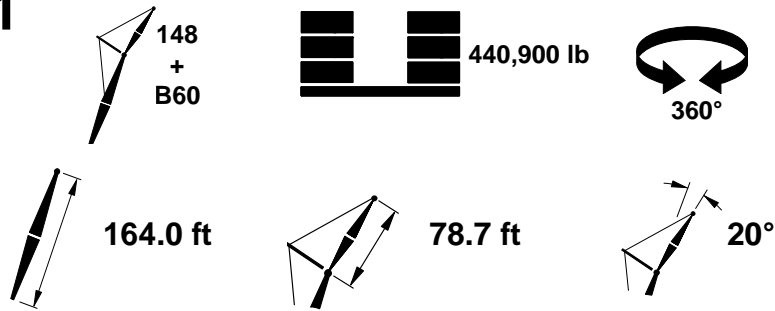
78.7 ft



10°

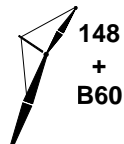
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
55	82.5	248.0	83,100b			83,100b			55
60	81.3	246.9	81,100	69,600		81,100	69,600		60
65	80.1	245.6	79,300	68,300	60,100	79,300	68,300	60,100	65
70	78.9	244.3	77,500	66,900	59,000	77,500	66,900	59,000	70
75	77.6	242.9	75,800	65,700	58,000	75,800	65,700	58,000	75
80	76.4	241.3	74,200	64,400	57,000	74,200	64,400	57,000	80
85	75.2	239.6	72,600	63,200	56,100	72,600	63,200	56,100	85
90	73.9	237.8	71,100	62,100	55,200	71,100	62,100	55,200	90
95	72.6	235.9	69,600	61,000	54,300	69,600	61,000	54,300	95
100	71.4	233.8	68,200	59,900	53,500	68,200	59,900	53,500	100
105	70.1	231.6	66,900	58,900	52,700	66,900	58,900	52,700	105
110	68.8	229.3	65,500	57,900	51,900	65,500	57,900	51,900	110
115	67.5	226.8	63,100	57,000	51,100	63,100	57,000	51,100	115
120	66.1	224.2	61,000	56,100	50,400	61,000	56,100	50,400	120
125	64.8	221.5	58,900	55,200	49,600	58,900	55,200	49,600	125
130	63.4	218.5	56,900	54,300	49,000	56,900	54,300	49,000	130
135	62.0	215.5	55,100	53,500	48,300	55,100	53,500	48,300	135
140	60.6	212.2	53,400	52,700	47,700	53,400	52,700	47,700	140
145	59.2	208.8	51,800	51,400	47,000	51,800	51,400	47,000	145
150	57.7	205.1	50,300	49,900	46,400	50,300	49,900	46,400	150
155	56.3	201.3	48,900	48,500	45,800	48,900	48,500	45,800	155
160	54.7	197.3	47,500	47,200	45,300	47,500	47,200	45,300	160
165	53.2	193.0	46,200	45,900	44,700	46,200	45,900	44,700	165
170	51.6	188.5	45,000	44,700	44,300	45,000	44,700	44,300	170
175	50.0	183.8	44,000	43,600	43,300	44,000	43,600	43,300	175
180	48.3	178.7	42,800	42,500	42,300	42,800	42,500	42,300	180
190	44.8	167.7	40,800	40,500	40,300	40,800	40,500	40,300	190
200	41.0	155.1	39,000	38,700	38,600	39,000	38,700	38,600	200
210	36.8	140.6	37,400	37,200	36,900	37,400	37,200	36,900	210
220	32.1	123.3	36,000	35,700	35,600	36,000	35,700	35,600	220
230	26.5	101.9	34,700	34,500	34,300	34,700	34,500	34,300	230
240	19.1	71.8	33,700	33,500	33,300	33,700	33,500	33,300	240

MLC650 VPC-MAX S-1

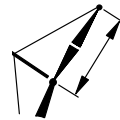


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
55									55
60									60
65	82.9	243.0	69,300b			69,300b			65
70	81.7	241.7	66,500	60,400		66,500	60,400		70
75	80.4	240.2	63,900	59,400	53,000	63,900	59,400	53,000	75
80	79.2	238.6	61,400	58,500	52,300	61,400	58,500	52,300	80
85	77.9	236.9	59,200	57,600	51,600	59,200	57,600	51,600	85
90	76.6	235.1	57,100	56,700	50,800	57,100	56,700	50,800	90
95	75.4	233.2	55,200	54,800	50,200	55,200	54,800	50,200	95
100	74.1	231.1	53,400	53,100	49,500	53,400	53,100	49,500	100
105	72.8	228.9	51,700	51,300	48,900	51,700	51,300	48,900	105
110	71.5	226.5	50,100	49,800	48,300	50,100	49,800	48,300	110
115	70.1	224.0	48,600	48,300	47,700	48,600	48,300	47,700	115
120	68.8	221.4	47,200	46,900	46,400	47,200	46,900	46,400	120
125	67.4	218.6	45,900	45,600	45,200	45,900	45,600	45,200	125
130	66.0	215.6	44,700	44,400	44,000	44,700	44,400	44,000	130
135	64.6	212.5	43,500	43,200	42,900	43,500	43,200	42,900	135
140	63.2	209.2	42,300	42,100	41,800	42,300	42,100	41,800	140
145	61.7	205.7	41,300	41,100	40,800	41,300	41,100	40,800	145
150	60.3	202.0	40,300	40,100	39,900	40,300	40,100	39,900	150
155	58.7	198.1	39,400	39,200	39,000	39,400	39,200	39,000	155
160	57.2	194.0	38,400	38,300	38,100	38,400	38,300	38,100	160
165	55.6	189.7	37,600	37,500	37,300	37,600	37,500	37,300	165
170	54.0	185.1	36,800	36,700	36,600	36,800	36,700	36,600	170
175	52.4	180.2	36,100	35,900	35,800	36,100	35,900	35,800	175
180	50.6	175.1	35,300	35,200	35,000	35,300	35,200	35,000	180
190	47.0	163.8	34,000	33,900	33,800	34,000	33,900	33,800	190
200	43.1	150.9	32,800	32,700	32,600	32,800	32,700	32,600	200
210	38.8	135.8	31,800	31,700	31,600	31,800	31,700	31,600	210
220	33.9	117.8	31,000	30,800	30,700	31,000	30,800	30,700	220
230	28.0	95.0	30,300	30,100	30,100	30,300	30,100	30,100	230
240									240

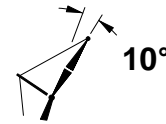
MLC650 VPC-MAX S-1



183.7 ft



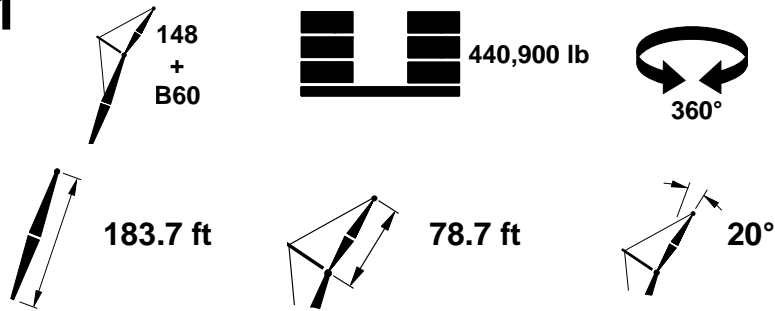
78.7 ft



10°

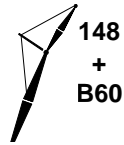
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
60	82.0	267.0	82,000	70,200	60,500	82,000	70,200	60,500	60
65	80.8	265.8	80,300	68,900	59,600	80,300	68,900	59,600	65
70	79.7	264.6	78,600	67,600	58,700	78,600	67,600	58,700	70
75	78.6	263.3	77,000	66,500	57,700	77,000	66,500	57,700	75
80	77.5	261.9	75,400	65,300	56,900	75,400	65,300	56,900	80
85	76.3	260.3	73,900	64,200	56,000	73,900	64,200	56,000	85
90	75.2	258.7	72,500	63,100	55,100	72,500	63,100	55,100	90
95	74.0	256.9	71,100	62,100	54,400	71,100	62,100	54,400	95
100	72.8	255.0	69,700	61,000	53,600	69,700	61,000	53,600	100
105	71.7	253.0	68,500	60,100	52,800	68,500	60,100	52,800	105
110	70.5	250.9	67,200	59,100	52,100	67,200	59,100	52,100	110
115	69.3	248.6	66,100	58,200	51,300	66,100	58,200	51,300	115
120	68.1	246.3	64,200	57,300	50,700	64,200	57,300	50,700	120
125	66.9	243.8	62,100	56,400	50,000	62,100	56,400	50,000	125
130	65.6	241.1	60,100	55,600	49,300	60,100	55,600	49,300	130
135	64.4	238.4	58,300	54,800	48,700	58,300	54,800	48,700	135
140	63.1	235.4	56,500	54,000	48,100	56,500	54,000	48,100	140
145	61.8	232.4	54,900	53,300	47,500	54,900	53,300	47,500	145
150	60.5	229.1	53,300	52,600	46,900	53,300	52,600	46,900	150
155	59.2	225.7	51,800	51,400	46,400	51,800	51,400	46,400	155
160	57.9	222.2	50,400	50,000	45,900	50,400	50,000	46,400	160
165	56.5	218.4	49,100	48,700	45,400	49,100	48,700	45,900	165
170	55.1	214.5	47,900	47,500	44,900	47,900	47,500	45,400	170
175	53.7	210.3	46,700	46,300	44,400	46,700	46,300	44,900	175
180	52.3	206.0	45,600	45,200	44,000	45,600	45,200	44,400	180
190	49.3	196.6	43,400	43,100	42,900	43,400	43,100	42,900	190
200	46.1	186.1	41,500	41,200	41,100	41,500	41,200	41,100	200
210	42.7	174.3	39,800	39,600	39,300	39,800	39,600	39,300	210
220	39.1	161.0	38,300	38,000	37,800	38,300	38,000	37,800	220
230	35.1	145.6	36,800	36,600	35,200	36,800	36,600	36,400	230
240	30.5	127.4	32,700	31,400	30,100	35,500	35,400	35,100	240
250	25.1	104.7	27,400	26,400	25,300	34,400	34,200	34,100	250

MLC650 VPC-MAX S-1

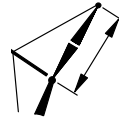


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
60									60
65									65
70	82.3	261.9	67,900			67,900			70
75	81.2	260.6	65,400			65,400			75
80	80.0	259.1	63,000			63,000			80
85	78.9	257.6	60,900			60,900			85
90	77.7	255.9	58,800			58,800			90
95	76.5	254.1	57,000			57,000			95
100	75.4	252.2	55,200			55,200			100
105	74.2	250.2	53,500			53,500			105
110	73.0	248.0	51,900			51,900			110
115	71.8	245.8	50,500			50,500			115
120	70.5	243.4	49,100			49,100			120
125	69.3	240.8	47,800			47,800			125
130	68.1	238.2	46,500			46,500			130
135	66.8	235.3	45,300			45,300			135
140	65.5	232.4	44,200			44,200			140
145	64.2	229.3	43,100			43,100			145
150	62.9	226.0	42,100			42,100			150
155	61.6	222.5	41,200			41,200			155
160	60.2	218.9	40,300			40,300			160
165	58.8	215.1	39,400			39,400			165
170	57.4	211.1	38,600			38,600			170
175	56.0	206.9	37,800			37,800			175
180	54.5	202.5	37,100			37,100			180
190	51.4	192.9	35,700			35,700			190
200	48.2	182.1	34,500			34,500			200
210	44.7	170.1	33,300			33,300			210
220	41.0	156.4	32,300			32,300			220
230	36.9	140.4	31,400			31,400			230
240	32.1	121.4	30,700			30,700			240
250									250

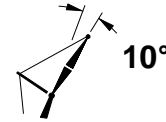
MLC650 VPC-MAX S-1



203.4 ft



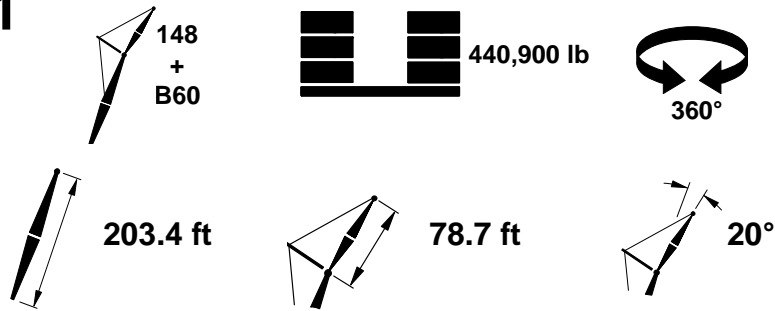
78.7 ft



10°

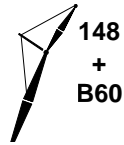
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
60	82.5	287.0	82,700			82,700			60
65	81.5	286.0	81,000	69,300		81,000	69,300		65
70	80.5	284.8	79,400	68,200	59,900	79,400	68,200	59,900	70
75	79.4	283.6	77,900	67,100	59,100	77,900	67,100	59,100	75
80	78.4	282.3	76,400	66,000	58,200	76,400	66,000	58,200	80
85	77.3	280.9	75,000	64,900	57,400	75,000	64,900	57,400	85
90	76.2	279.3	73,600	63,900	56,600	73,600	63,900	56,600	90
95	75.2	277.7	72,300	62,900	55,800	72,300	62,900	55,800	95
100	74.1	276.0	71,000	62,000	55,000	71,000	62,000	55,000	100
105	73.0	274.1	69,800	61,000	54,300	69,800	61,000	54,300	105
110	71.9	272.2	68,700	60,100	53,500	68,700	60,100	53,500	110
115	70.8	270.1	67,500	59,200	52,800	67,500	59,200	52,800	115
120	69.7	267.9	66,400	58,400	52,100	66,400	58,400	52,100	120
125	68.6	265.7	65,200	57,500	51,500	65,200	57,500	51,500	125
130	67.5	263.2	63,200	56,800	50,900	63,200	56,800	50,900	130
135	66.3	260.7	61,200	56,000	50,200	61,200	56,000	50,200	135
140	65.2	258.1	59,500	55,200	49,600	59,500	55,200	49,600	140
145	64.0	255.3	57,800	54,500	49,100	57,800	54,500	49,100	145
150	62.9	252.3	56,100	53,800	48,400	56,100	53,800	48,400	150
155	61.7	249.3	54,700	53,100	47,900	54,700	53,100	47,900	155
160	60.5	246.1	53,200	52,500	47,400	53,200	52,500	47,400	160
165	59.2	242.7	51,900	51,400	46,900	51,900	51,400	46,900	165
170	58.0	239.2	50,500	50,100	46,300	50,500	50,100	46,300	170
175	56.7	235.5	49,300	48,900	45,800	49,300	48,900	45,800	175
180	55.4	231.6	48,200	47,800	45,400	48,200	47,800	45,400	180
190	52.8	223.3	45,900	45,600	44,500	45,900	45,600	44,500	190
200	50.1	214.2	44,000	43,700	43,400	44,000	43,700	43,400	200
210	47.2	204.2	42,200	41,900	41,600	42,200	41,900	41,600	210
220	44.1	193.0	40,200	38,100	36,000	40,500	40,200	40,000	220
230	40.9	180.6	34,300	32,400	30,600	39,000	38,800	38,500	230
240	37.4	166.5	28,800	27,200	25,600	37,600	37,400	37,100	240
250	33.5	150.3	23,700	22,300	21,000	36,300	36,200	35,900	250
260	29.1	131.1	18,900	17,700	16,600	35,200	35,000	34,900	260
270	23.9	107.3	14,300	13,300	12,400	34,200	34,100	33,900	270

MLC650 VPC-MAX S-1

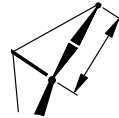


ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
60									60
65									65
70	82.9	282.1	69,200			69,200			70
75	81.8	280.8	66,700			66,700			75
80	80.8	279.5	64,400			64,400			80
85	79.7	278.0	62,400			62,400			85
90	78.6	276.5	60,400			60,400			90
95	77.5	274.9	58,500			58,500			95
100	76.4	273.1	56,800			56,800			100
105	75.4	271.2	55,100			55,100			105
110	74.3	269.3	53,600			53,600			110
115	73.1	267.2	52,100			52,100			115
120	72.0	265.0	50,700			50,700			120
125	70.9	262.7	49,500			49,500			125
130	69.8	260.2	48,200			48,200			130
135	68.6	257.7	47,000			47,000			135
140	67.4	255.0	45,900			45,900			140
145	66.3	252.2	44,900			44,900			145
150	65.1	249.2	43,900			43,900			150
155	63.9	246.1	42,900			42,900			155
160	62.6	242.8	42,000			42,000			160
165	61.4	239.4	41,100			41,100			165
170	60.1	235.8	40,200			40,200			170
175	58.9	232.1	39,400			39,400			175
180	57.6	228.2	38,600			38,600			180
190	54.9	219.8	37,300			37,300			190
200	52.1	210.5	36,000			36,000			200
210	49.1	200.2	34,700			34,700			210
220	46.0	188.8	33,700			33,700			220
230	42.7	176.1	32,700			32,700			230
240	39.1	161.6	30,600			31,900			240
250	35.1	144.8	25,200			31,100			250
260	30.5	124.7	20,000			30,500			260
270									270

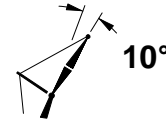
MLC650 VPC-MAX S-1



223.1 ft



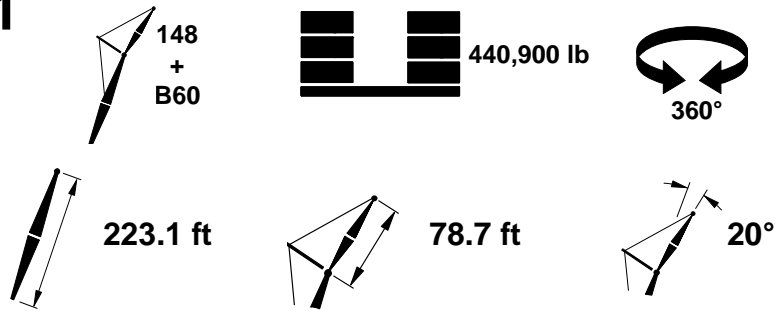
78.7 ft



10°

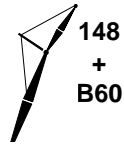
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
65	82.1	306.1	81,500			81,500			65
70	81.1	305.0	80,100	68,500		80,100	68,500		70
75	80.1	303.9	78,600	67,500	59,300	78,600	67,500	59,300	75
80	79.1	302.6	77,200	66,500	58,500	77,200	66,500	58,500	80
85	78.2	301.3	75,800	65,500	57,700	75,800	65,500	57,700	85
90	77.2	299.9	74,600	64,500	57,000	74,600	64,500	57,000	90
95	76.2	298.3	73,300	63,600	56,200	73,300	63,600	56,200	95
100	75.2	296.7	72,100	62,700	55,500	72,100	62,700	55,500	100
105	74.2	295.0	70,900	61,800	54,800	70,900	61,800	54,800	105
110	73.2	293.2	69,800	60,900	54,100	69,800	60,900	54,100	110
115	72.2	291.3	68,700	60,100	53,400	68,700	60,100	53,400	115
120	71.1	289.3	67,600	59,300	52,800	67,600	59,300	52,800	120
125	70.1	287.2	66,600	58,500	52,200	66,600	58,500	52,200	125
130	69.1	285.0	65,500	57,700	51,600	65,500	57,700	51,600	130
135	68.0	282.7	64,000	57,000	51,000	64,000	57,000	51,000	135
140	67.0	280.2	62,200	56,200	50,400	62,200	56,200	50,400	140
145	65.9	277.7	60,500	55,500	49,800	60,500	55,500	49,800	145
150	64.8	275.0	58,900	54,900	49,300	58,900	54,900	49,300	150
155	63.7	272.2	57,300	54,200	48,700	57,300	54,200	48,700	155
160	62.6	269.2	55,800	53,500	48,200	55,800	53,500	48,200	160
165	61.5	266.2	54,500	52,900	47,700	54,500	52,900	47,700	165
170	60.4	263.0	53,100	52,300	47,200	53,100	52,300	47,200	170
175	59.2	259.7	51,900	51,400	46,700	51,900	51,400	46,700	175
180	58.1	256.2	50,600	50,200	46,300	50,600	50,200	46,300	180
190	55.7	248.7	48,400	48,000	45,400	48,400	48,000	45,400	190
200	53.3	240.6	46,300	46,000	44,600	46,300	46,000	44,600	200
210	50.7	231.8	44,500	42,300	39,600	44,500	44,100	43,700	210
220	48.1	222.1	38,600	36,200	33,800	42,700	42,500	42,200	220
230	45.3	211.5	32,700	30,600	28,500	41,200	40,900	40,700	230
240	42.4	199.7	27,300	25,400	23,500	39,700	39,400	39,200	240
250	39.3	186.6	22,200	20,600	18,900	38,300	38,100	37,800	250
260	35.9	171.8	17,500	16,100	14,700	37,100	36,800	36,700	260
270	32.1	154.8	13,100	11,800	10,600	36,000	35,700	35,600	270
280	27.9	134.7	8,900	7,800	6,800	34,900	34,800	34,500	280
290	22.8	109.7				34,100	33,900	33,700	290

MLC650 VPC-MAX S-1

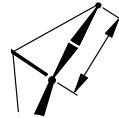


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
65									65
70									70
75	82.4	301.0	67,900			67,900			75
80	81.4	299.8	65,700			65,700			80
85	80.4	298.4	63,600	59,600	52,500	63,600	59,600	52,500	85
90	79.4	297.0	61,700	58,200	51,900	61,700	58,200	51,900	90
95	78.4	295.4	59,900	57,500	51,400	59,900	57,500	51,400	95
100	77.4	293.8	58,200	56,800	50,800	58,200	56,800	50,800	100
105	76.4	292.1	56,600	56,100	50,300	56,600	56,100	50,300	105
110	75.4	290.3	55,100	54,700	49,700	55,100	54,700	49,700	110
115	74.3	288.3	53,700	53,300	49,300	53,700	53,300	49,300	115
120	73.3	286.3	52,300	51,900	48,800	52,300	51,900	48,800	120
125	72.2	284.2	51,000	50,700	48,300	51,000	50,700	48,300	125
130	71.2	281.9	49,700	49,500	47,800	49,700	49,500	47,800	130
135	70.1	279.6	48,600	48,300	47,300	48,600	48,300	47,300	135
140	69.1	277.1	47,500	47,200	46,700	47,500	47,200	46,700	140
145	68.0	274.5	46,400	46,200	45,700	46,400	46,200	45,700	145
150	66.9	271.8	45,400	45,200	44,700	45,400	45,200	44,700	150
155	65.8	269.0	44,500	44,200	43,800	44,500	44,200	43,800	155
160	64.7	266.0	43,500	43,300	42,900	43,500	43,300	42,900	160
165	63.6	262.9	42,600	42,400	42,100	42,600	42,400	42,100	165
170	62.4	259.7	41,800	41,600	41,300	41,800	41,600	41,300	170
175	61.3	256.3	40,900	40,800	40,500	40,900	40,800	40,500	175
180	60.1	252.8	40,200	40,000	39,800	40,200	40,000	39,800	180
190	57.7	245.2	38,700	38,600	38,400	38,700	38,600	38,400	190
200	55.2	237.0	37,400	37,200	37,100	37,400	37,200	37,100	200
210	52.6	228.0	36,200	36,100	35,900	36,200	36,100	35,900	210
220	49.9	218.1	35,100	34,900	34,800	35,100	34,900	34,800	220
230	47.1	207.3	34,100	33,000	30,800	34,100	33,900	33,800	230
240	44.1	195.2	29,500	27,500	25,600	33,100	33,000	32,800	240
250	40.9	181.8	24,100	22,400	20,700	32,300	32,200	32,000	250
260	37.4	166.5	19,100	17,600	16,100	31,500	31,400	31,300	260
270	33.5	148.9	14,400	13,100	11,800	30,800	30,800	30,700	270
280	29.1	127.8	9,800	8,700	7,600	30,300	30,300	30,100	280
290									290

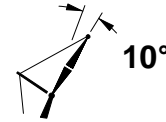
MLC650 VPC-MAX S-1



242.8 ft



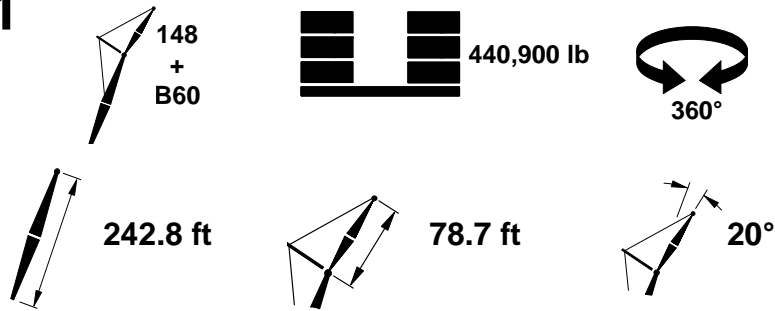
78.7 ft



10°

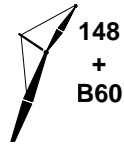
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
65	82.6	326.1	82,000			82,000			65
70	81.6	325.1	80,600	68,800		80,600	68,800		70
75	80.7	324.0	79,200	67,800	59,500	79,200	67,800	59,500	75
80	79.8	322.9	77,900	66,800	58,700	77,900	66,800	58,700	80
85	78.9	321.6	76,600	65,900	58,000	76,600	65,900	58,000	85
90	78.0	320.3	75,400	65,000	57,300	75,400	65,000	57,300	90
95	77.1	318.9	74,200	64,100	56,600	74,200	64,100	56,600	95
100	76.1	317.4	73,000	63,200	55,900	73,000	63,200	55,900	100
105	75.2	315.8	71,900	62,400	55,200	71,900	62,400	55,200	105
110	74.2	314.1	70,800	61,600	54,600	70,800	61,600	54,600	110
115	73.3	312.3	69,700	60,800	54,000	69,700	60,800	54,000	115
120	72.4	310.5	68,700	60,000	53,400	68,700	60,000	53,400	120
125	71.4	308.5	67,700	59,200	52,800	67,700	59,200	52,800	125
130	70.4	306.4	66,800	58,500	52,200	66,800	58,500	52,200	130
135	69.5	304.3	65,800	57,800	51,600	65,800	57,800	51,600	135
140	68.5	302.0	64,900	57,100	51,000	64,900	57,100	51,000	140
145	67.5	299.6	63,500	56,400	50,500	63,500	56,400	50,500	145
150	66.5	297.2	61,500	55,800	50,000	61,500	55,800	50,000	150
155	65.5	294.6	59,900	55,100	49,400	59,900	55,100	49,400	155
160	64.5	291.9	58,400	54,500	48,900	58,400	54,500	48,900	160
165	63.5	289.1	57,000	53,900	48,500	57,000	53,900	48,500	165
170	62.4	286.2	55,600	53,300	47,900	55,600	53,300	47,900	170
175	61.4	283.1	54,300	52,700	47,500	54,300	52,700	47,500	175
180	60.3	279.9	53,100	52,200	47,000	53,100	52,200	47,000	180
190	58.2	273.2	50,700	50,300	46,200	50,700	50,300	46,200	190
200	56.0	265.8	47,900	44,500	41,200	48,600	48,300	45,300	200
210	53.7	257.9	40,900	37,800	34,800	46,700	46,300	44,600	210
220	51.3	249.3	34,400	31,700	29,100	44,900	44,500	43,900	220
230	48.9	239.9	28,500	26,100	23,700	43,300	42,900	42,600	230
240	46.3	229.6	23,100	20,900	18,800	41,800	41,400	41,100	240
250	43.7	218.4	18,000	16,100	14,300	40,300	40,000	39,800	250
260	40.8	206.0	13,400	11,600	10,000	39,000	38,700	38,500	260
270	37.8	192.3	9,000	7,500		37,700	37,600	37,300	270
280	34.5	176.8				36,600	36,500	36,200	280
290	30.9	159.0				35,600	35,500	35,200	290
300	26.7	138.1				34,700	34,600	34,400	300
310	21.8	111.9				34,000	33,800	33,600	310

MLC650 VPC-MAX S-1

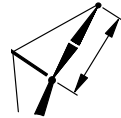


Height (ft)	Reach (ft)	Capacity (lb)	38.7 ft			60.0 ft			Height (ft)
			0°	1°	2°	0°	1°	2°	
65									65
70									70
75	82.9	321.1	68,900			68,900			75
80	81.9	319.9	66,800			66,800			80
85	81.0	318.7	64,900			64,900			85
90	80.1	317.4	63,000			63,000			90
95	79.1	315.9	61,200			61,200			95
100	78.2	314.4	59,500			59,500			100
105	77.3	312.8	58,000			58,000			105
110	76.3	311.1	56,500			56,500			110
115	75.3	309.3	55,100			55,100			115
120	74.4	307.4	53,700			53,700			120
125	73.4	305.4	52,400			52,400			125
130	72.4	303.4	51,200			51,200			130
135	71.5	301.2	50,000			50,000			135
140	70.5	298.9	49,000			49,000			140
145	69.5	296.5	47,900			47,900			145
150	68.5	294.0	46,900			46,900			150
155	67.5	291.4	45,900			45,900			155
160	66.4	288.7	45,000			45,000			160
165	65.4	285.8	44,100			44,100			165
170	64.4	282.9	43,200			43,200			170
175	63.3	279.8	42,500			42,500			175
180	62.2	276.5	41,600			41,600			180
190	60.1	269.7	40,200			40,200			190
200	57.8	262.3	38,800			38,800			200
210	55.5	254.2	37,600			37,600			210
220	53.1	245.4	36,400			36,400			220
230	50.6	235.9	31,400			31,400			230
240	48.0	225.5	25,700			25,700			240
250	45.3	214.0	20,400			20,400			250
260	42.4	201.4	15,400			15,400			260
270	39.3	187.2	10,700			10,700			270
280	35.9	171.3							280
290	32.1	152.8							290
300	27.8	130.8							300
310									310

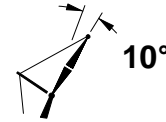
MLC650 VPC-MAX S-1



262.5 ft



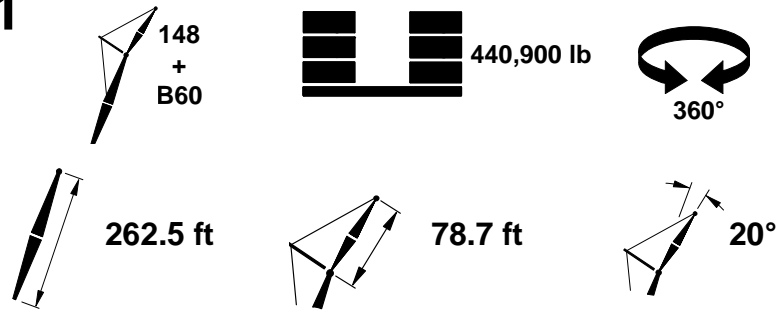
78.7 ft



10°

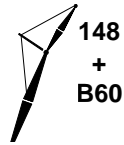
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
65	83.0	346.1	82,300			82,300			65
70	82.1	345.1	80,900			80,900			70
75	81.3	344.1	79,700	68,000		79,700	68,000		75
80	80.4	343.0	78,400	67,100	58,800	78,400	67,100	58,800	80
85	79.6	341.9	77,200	66,200	58,100	77,200	66,200	58,100	85
90	78.7	340.6	76,100	65,300	57,500	76,100	65,300	57,500	90
95	77.8	339.3	74,900	64,600	56,800	74,900	64,600	56,800	95
100	77.0	337.9	73,800	63,700	56,200	73,800	63,700	56,200	100
105	76.1	336.4	72,700	62,900	55,600	72,700	62,900	55,600	105
110	75.2	334.8	71,700	62,100	54,900	71,700	62,100	54,900	110
115	74.3	333.2	70,700	61,300	54,400	70,700	61,300	54,400	115
120	73.4	331.4	69,700	60,700	53,800	69,700	60,700	53,800	120
125	72.5	329.6	68,700	59,900	53,200	68,700	59,900	53,200	125
130	71.6	327.7	67,800	59,200	52,600	67,800	59,200	52,600	130
135	70.7	325.6	66,800	58,500	52,100	66,800	58,500	52,100	135
140	69.8	323.5	66,000	57,800	51,600	66,000	57,800	51,600	140
145	68.9	321.3	65,100	57,200	51,000	65,100	57,200	51,000	145
150	68.0	319.0	63,900	56,600	50,500	63,900	56,600	50,500	150
155	67.0	316.6	62,400	55,900	50,100	62,400	55,900	50,100	155
160	66.1	314.1	60,800	55,300	49,500	60,800	55,300	49,500	160
165	65.2	311.5	59,400	54,700	49,100	59,400	54,700	49,100	165
170	64.2	308.8	58,000	54,100	48,600	58,000	54,100	48,600	170
175	63.2	306.0	56,700	53,600	48,200	56,700	53,600	48,200	175
180	62.3	303.1	55,400	53,000	47,700	55,400	53,000	47,700	180
190	60.3	296.9	53,000	48,700	44,700	53,000	52,000	46,900	190
200	58.3	290.2	45,200	41,400	37,800	50,900	50,400	46,100	200
210	56.2	282.9	38,100	34,700	31,500	48,900	48,500	45,300	210
220	54.1	275.1	31,600	28,600	25,700	47,000	46,600	44,500	220
230	51.9	266.7	25,700	23,000	20,400	45,300	44,900	43,900	230
240	49.6	257.5	20,300	17,900	15,500	43,700	43,400	43,100	240
250	47.2	247.6	15,300	13,100	11,000	42,200	41,900	41,700	250
260	44.7	236.9	10,600	8,700	6,800	40,900	40,600	40,400	260
270	42.2	225.1				39,600	39,300	39,100	270
280	39.4	212.1				38,400	38,200	37,900	280
290	36.5	197.8				37,300	37,100	36,900	290
300	33.3	181.6				36,300	36,100	35,900	300
310	29.7	163.1				35,400	35,200	35,000	310
320	25.7	141.3				34,600	34,300	34,200	320
330	20.8	114.0				33,900	33,700	33,600	330

MLC650 VPC-MAX S-1

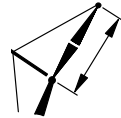


ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
65									65
70									70
75									75
80	82.4	340.1	67,900			67,900			80
85	81.5	338.9	65,900	59,300		65,900	59,300		85
90	80.7	337.6	64,100	58,600	52,100	64,100	58,600	52,100	90
95	79.8	336.3	62,400	58,000	51,700	62,400	58,000	51,700	95
100	78.9	334.9	60,800	57,400	51,200	60,800	57,400	51,200	100
105	78.0	333.4	59,200	56,800	50,700	59,200	56,800	50,700	105
110	77.1	331.8	57,800	56,200	50,300	57,800	56,200	50,300	110
115	76.2	330.1	56,400	55,600	49,800	56,400	55,600	49,800	115
120	75.3	328.3	55,000	54,700	49,400	55,000	54,700	49,400	120
125	74.4	326.5	53,800	53,400	48,900	53,800	53,400	48,900	125
130	73.5	324.6	52,600	52,300	48,500	52,600	52,300	48,500	130
135	72.6	322.5	51,400	51,100	48,100	51,400	51,100	48,100	135
140	71.7	320.4	50,400	50,000	47,700	50,400	50,000	47,700	140
145	70.8	318.2	49,200	49,000	47,300	49,200	49,000	47,300	145
150	69.8	315.8	48,200	48,000	46,900	48,200	48,000	46,900	150
155	68.9	313.4	47,400	47,000	46,500	47,400	47,000	46,500	155
160	67.9	310.9	46,400	46,100	46,000	46,400	46,100	46,000	160
165	67.0	308.3	45,500	45,200	44,800	45,500	45,200	44,800	165
170	66.0	305.5	44,600	44,400	44,000	44,600	44,400	44,000	170
175	65.0	302.7	43,800	43,600	43,200	43,800	43,600	43,200	175
180	64.1	299.7	43,000	42,800	42,400	43,000	42,800	42,400	180
190	62.1	293.4	41,500	41,400	41,000	41,500	41,400	41,000	190
200	60.0	286.6	40,200	40,000	39,700	40,200	40,000	39,700	200
210	57.9	279.3	38,900	38,400	35,100	38,900	38,700	38,500	210
220	55.8	271.4	35,100	32,000	29,000	37,700	37,600	37,400	220
230	53.5	262.8	28,900	26,100	23,500	36,600	36,500	36,300	230
240	51.2	253.5	23,200	20,700	18,300	35,600	35,500	35,300	240
250	48.8	243.5	17,900	15,600	13,500	34,700	34,500	34,400	250
260	46.3	232.5	13,000	11,000	9,000	33,800	33,700	33,500	260
270	43.6	220.5	8,400			33,000	32,900	32,700	270
280	40.8	207.2				32,300	32,100	32,000	280
290	37.8	192.5				31,600	31,500	31,400	290
300	34.5	175.8				31,000	30,900	30,800	300
310	30.8	156.5				30,600	30,400	30,300	310
320									320
330									330

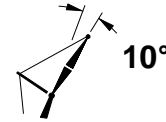
MLC650 VPC-MAX S-1



282.2 ft



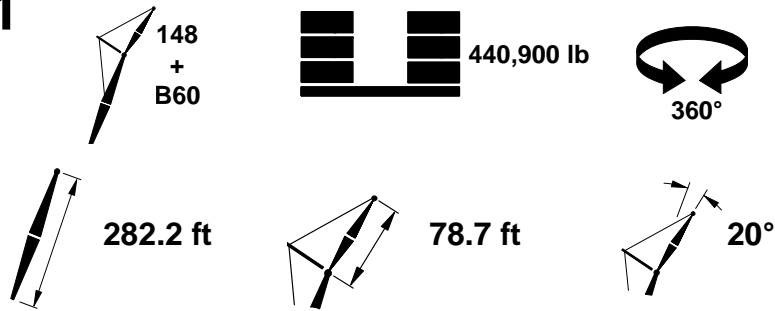
78.7 ft



10°

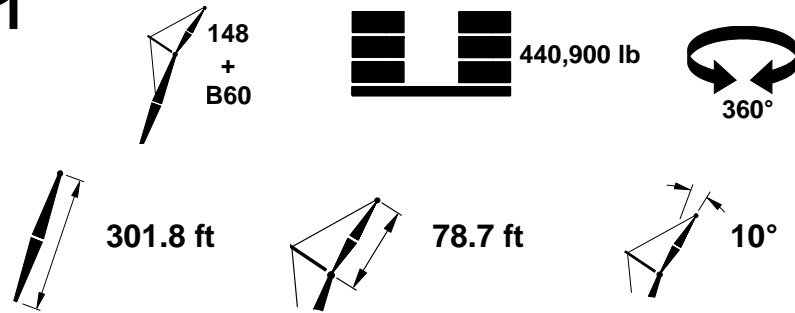
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70	82.6	365.1	81,200			81,200			70
75	81.8	364.2	80,000	68,100		80,000	68,100		75
80	81.0	363.2	78,800	67,200	58,800	78,800	67,200	58,800	80
85	80.1	362.1	77,700	66,400	58,200	77,700	66,400	58,200	85
90	79.3	360.9	76,600	65,600	57,500	76,600	65,600	57,500	90
95	78.5	359.6	75,500	64,800	56,900	75,500	64,800	56,900	95
100	77.7	358.3	74,400	64,000	56,300	74,400	64,000	56,300	100
105	76.9	356.9	73,400	63,300	55,800	73,400	63,300	55,800	105
110	76.0	355.4	72,400	62,500	55,200	72,400	62,500	55,200	110
115	75.2	353.9	71,400	61,800	54,600	71,400	61,800	54,600	115
120	74.4	352.2	70,500	61,100	54,000	70,500	61,100	54,000	120
125	73.5	350.5	69,600	60,400	53,500	69,600	60,400	53,500	125
130	72.7	348.7	68,700	59,700	53,000	68,700	59,700	53,000	130
135	71.8	346.8	67,800	59,100	52,500	67,800	59,100	52,500	135
140	71.0	344.8	66,900	58,400	52,000	66,900	58,400	52,000	140
145	70.1	342.8	66,100	57,800	51,500	66,100	57,800	51,500	145
150	69.3	340.6	65,300	57,200	51,000	65,300	57,200	51,000	150
155	68.4	338.4	64,500	56,600	50,500	64,500	56,600	50,500	155
160	67.5	336.1	63,200	56,000	50,000	63,200	56,000	50,000	160
165	66.6	333.6	61,800	55,400	49,600	61,800	55,400	49,600	165
170	65.7	331.1	60,300	54,900	49,100	60,300	54,900	49,100	170
175	64.8	328.5	59,000	54,300	48,700	59,000	54,300	48,700	175
180	63.9	325.8	57,700	53,800	48,300	57,700	53,800	48,300	180
190	62.1	320.0	55,300	52,800	47,500	55,300	52,800	47,500	190
200	60.2	313.8	50,300	45,900	41,800	53,100	51,800	46,700	200
210	58.3	307.2	42,700	38,800	35,100	51,000	50,600	45,900	210
220	56.4	300.0	35,800	32,300	29,000	49,100	48,700	45,200	220
230	54.4	292.3	29,400	26,300	23,300	47,300	47,000	44,500	230
240	52.3	284.0	23,600	20,800	18,200	45,700	45,300	43,900	240
250	50.2	275.1	18,300	15,800	13,300	44,200	43,900	43,200	250
260	48.0	265.5	13,300	11,000	8,900	42,700	42,500	42,100	260
270	45.7	255.1	8,700	6,600		41,400	41,200	40,800	270
280	43.3	243.8				40,200	39,900	39,700	280
290	40.8	231.5				39,000	38,800	38,500	290
300	38.1	218.0				38,000	37,700	37,500	300
310	35.2	203.0				36,900	36,800	36,500	310
320	32.1	186.2				36,000	35,800	35,600	320
330	28.7	167.0				35,200	35,000	34,800	330
340	24.8	144.3				34,400	34,300	34,000	340
350	20.0	115.9				33,600	33,100	31,800	350

MLC650 VPC-MAX S-1



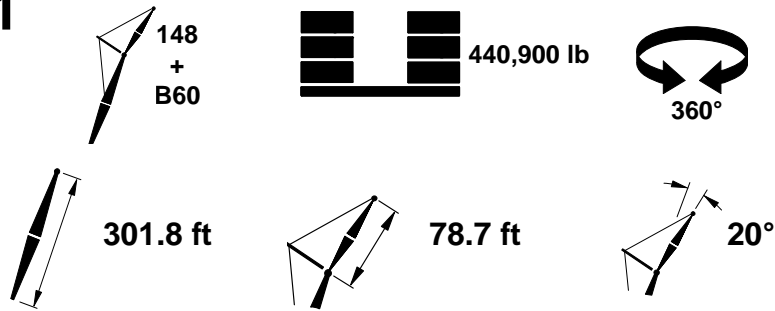
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70									70
75									75
80	82.8	360.2	68,800			68,800			80
85	82.0	359.0	66,900			66,900			85
90	81.2	357.9	65,200	58,700		65,200	58,700		90
95	80.4	356.6	63,500	58,200	51,700	63,500	58,200	51,700	95
100	79.5	355.3	61,900	57,600	51,200	61,900	57,600	51,200	100
105	78.7	353.9	60,400	57,000	50,800	60,400	57,000	50,800	105
110	77.9	352.4	59,000	56,500	50,300	59,000	56,500	50,300	110
115	77.0	350.8	57,600	55,900	49,900	57,600	55,900	49,900	115
120	76.2	349.1	56,300	55,400	49,500	56,300	55,400	49,500	120
125	75.3	347.4	55,100	54,700	49,100	55,100	54,700	49,100	125
130	74.5	345.6	53,900	53,500	48,700	53,900	53,500	48,700	130
135	73.6	343.7	52,700	52,400	48,300	52,700	52,400	48,300	135
140	72.8	341.7	51,600	51,300	47,900	51,600	51,300	47,900	140
145	71.9	339.6	50,600	50,300	47,600	50,600	50,300	47,600	145
150	71.0	337.4	49,600	49,300	47,200	49,600	49,300	47,200	150
155	70.2	335.2	48,600	48,300	46,800	48,600	48,300	46,800	155
160	69.3	332.8	47,700	47,400	46,500	47,700	47,400	46,500	160
165	68.4	330.3	46,800	46,600	46,000	46,800	46,600	46,000	165
170	67.5	327.8	46,000	45,700	45,200	46,000	45,700	45,200	170
175	66.6	325.2	45,200	44,900	44,400	45,200	44,900	44,400	175
180	65.7	322.4	44,300	44,100	43,700	44,300	44,100	43,700	180
190	63.8	316.6	42,800	42,600	42,300	42,800	42,600	42,300	190
200	61.9	310.3	41,500	41,300	40,900	41,500	41,300	40,900	200
210	60.0	303.6	40,200	40,000	39,100	40,200	40,000	39,700	210
220	58.0	296.3	39,000	36,000	32,600	39,000	38,800	38,600	220
230	56.0	288.5	33,000	29,800	26,700	37,900	37,700	37,500	230
240	53.9	280.1	26,900	24,000	21,200	36,800	36,700	36,500	240
250	51.7	271.1	21,300	18,700	16,200	35,900	35,700	35,500	250
260	49.5	261.3	16,100	13,700	11,400	35,000	34,800	34,700	260
270	47.2	250.8	11,200	9,000	7,000	34,100	34,000	33,900	270
280	44.7	239.3	6,600			33,300	33,200	33,100	280
290	42.1	226.7				32,600	32,500	32,400	290
300	39.4	212.8				32,000	31,900	31,700	300
310	36.5	197.5				31,400	31,300	31,200	310
320	33.3	180.1				30,900	30,800	30,600	320
330	29.7	160.1				30,400	30,300	30,200	330
340									340
350									350

MLC650 VPC-MAX S-1



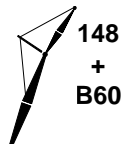
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70	83.0	385.1	81,300			81,300			70
75	82.2	384.2	80,200			80,200			75
80	81.4	383.2	79,100	67,200		79,100	67,200		80
85	80.7	382.2	78,000	66,500	58,100	78,000	66,500	58,100	85
90	79.9	381.1	77,000	65,700	57,500	77,000	65,700	57,500	90
95	79.1	379.9	76,000	65,000	57,000	76,000	65,000	57,000	95
100	78.3	378.7	74,900	64,300	56,400	74,900	64,300	56,400	100
105	77.6	377.3	74,000	63,500	55,900	74,000	63,500	55,900	105
110	76.8	375.9	73,000	62,800	55,300	73,000	62,800	55,300	110
115	76.0	374.5	72,100	62,200	54,800	72,100	62,200	54,800	115
120	75.2	372.9	71,200	61,500	54,200	71,200	61,500	54,200	120
125	74.4	371.3	70,300	60,800	53,700	70,300	60,800	53,700	125
130	73.6	369.6	69,400	60,200	53,200	69,400	60,200	53,200	130
135	72.8	367.8	68,600	59,600	52,800	68,600	59,600	52,800	135
140	72.0	365.9	67,700	59,000	52,300	67,700	59,000	52,300	140
145	71.2	364.0	67,000	58,300	51,800	67,000	58,300	51,800	145
150	70.4	362.0	66,200	57,800	51,400	66,200	57,800	51,400	150
155	69.6	359.9	65,400	57,200	50,900	65,400	57,200	50,900	155
160	68.8	357.7	64,700	56,600	50,500	64,700	56,600	50,500	160
165	67.9	355.4	63,900	56,100	50,000	63,900	56,100	50,000	165
170	67.1	353.1	62,500	55,500	49,600	62,500	55,500	49,600	170
175	66.3	350.6	61,200	55,000	49,200	61,200	55,000	49,200	175
180	65.4	348.1	59,900	54,500	48,700	59,900	54,500	48,700	180
190	63.7	342.7	55,800	50,500	45,600	57,400	53,500	47,900	190
200	62.0	336.9	47,400	42,700	38,300	55,200	52,500	47,100	200
210	60.2	330.8	39,800	35,600	31,600	53,100	51,600	46,400	210
220	58.4	324.1	32,800	29,100	25,500	51,100	50,700	45,700	220
230	56.5	317.0	26,500	23,100	19,900	49,300	48,900	45,100	230
240	54.7	309.5	20,700	17,600	14,700	47,600	47,200	44,400	240
250	52.7	301.3	15,300	12,600	10,000	46,000	45,700	43,800	250
260	50.7	292.6	10,400	7,900		44,500	44,300	43,300	260
270	48.7	283.2				43,200	42,900	42,600	270
280	46.5	273.2				42,000	41,600	41,400	280
290	44.3	262.3				40,700	40,500	40,200	290
300	42.0	250.5				39,600	39,400	39,100	300
310	39.5	237.7				38,500	38,300	38,100	310
320	36.9	223.6				37,500	37,400	37,100	320
330	34.1	208.1				36,600	36,400	36,200	330
340	31.1	190.6				35,100	34,500	32,600	340
350	27.7	170.7				31,500	31,000	29,300	350
360	23.9	147.1				28,100	27,600	26,100	360
370	19.2	117.7				24,800	24,300	23,100	370

MLC650 VPC-MAX S-1

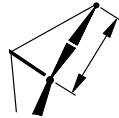


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70									70
75									75
80									80
85	82.4	379.1	67,800			67,800			85
90	81.7	378.0	66,200	58,700		66,200	58,700		90
95	80.9	376.8	64,500	58,200	51,600	64,500	58,200	51,600	95
100	80.1	375.6	63,000	57,700	51,200	63,000	57,700	51,200	100
105	79.3	374.2	61,500	57,100	50,800	61,500	57,100	50,800	105
110	78.5	372.8	60,100	56,600	50,400	60,100	56,600	50,400	110
115	77.7	371.3	58,800	56,100	50,000	58,800	56,100	50,000	115
120	76.9	369.8	57,500	55,600	49,600	57,500	55,600	49,600	120
125	76.1	368.1	56,200	55,100	49,200	56,200	55,100	49,200	125
130	75.3	366.4	55,100	54,700	48,800	55,100	54,700	48,800	130
135	74.5	364.6	53,900	53,600	48,500	53,900	53,600	48,500	135
140	73.7	362.8	52,900	52,500	48,100	52,900	52,500	48,100	140
145	72.9	360.8	51,800	51,500	47,700	51,800	51,500	47,700	145
150	72.1	358.8	50,800	50,500	47,400	50,800	50,500	47,400	150
155	71.3	356.6	49,900	49,500	47,100	49,900	49,500	47,100	155
160	70.4	354.4	49,000	48,700	46,700	49,000	48,700	46,700	160
165	69.6	352.1	48,000	47,800	46,400	48,000	47,800	46,400	165
170	68.8	349.8	47,200	47,000	46,000	47,200	47,000	46,000	170
175	67.9	347.3	46,400	46,100	45,600	46,400	46,100	45,600	175
180	67.1	344.7	45,600	45,400	44,900	45,600	45,400	44,900	180
190	65.3	339.3	44,100	43,900	43,400	44,100	43,900	43,400	190
200	63.6	333.5	42,700	42,500	42,100	42,700	42,500	42,100	200
210	61.8	327.2	41,400	39,900	35,800	41,400	41,200	40,800	210
220	60.0	320.5	37,000	33,100	29,400	40,200	40,000	39,700	220
230	58.1	313.3	30,400	26,900	23,500	39,100	38,900	38,600	230
240	56.2	305.7	24,300	21,100	18,100	38,000	37,800	37,600	240
250	54.2	297.4	18,600	15,800	13,000	37,100	36,800	36,600	250
260	52.2	288.6	13,400	10,800	8,300	36,100	36,000	35,700	260
270	50.1	279.1	8,500			35,200	35,100	34,900	270
280	47.9	268.8				34,400	34,300	34,100	280
290	45.7	257.8				33,700	33,500	33,400	290
300	43.3	245.8				32,900	32,800	32,700	300
310	40.8	232.7				32,300	32,200	32,100	310
320	38.1	218.3				31,700	31,600	31,500	320
330	35.3	202.3				31,200	31,000	31,000	330
340	32.1	184.2				30,700	30,600	30,500	340
350	28.6	163.5				30,300	30,300	29,900	350
360									360
370									370

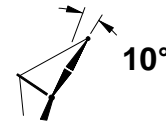
MLC650 VPC-MAX S-1



321.5 ft



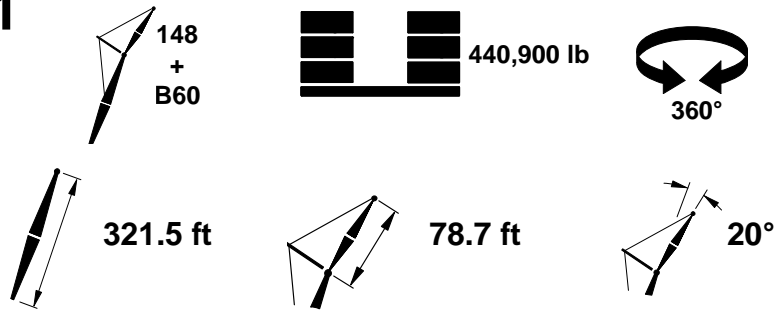
78.7 ft



10°

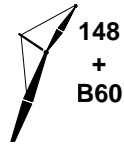
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
75	82.6	404.2	80,300			80,300			75
80	81.9	403.3	79,300	67,100		79,300	67,100		80
85	81.1	402.3	78,200	66,400		78,200	66,400		85
90	80.4	401.2	77,200	65,700	57,400	77,200	65,700	57,400	90
95	79.7	400.1	76,300	65,000	56,800	76,300	65,000	56,800	95
100	78.9	398.9	75,300	64,300	56,300	75,300	64,300	56,300	100
105	78.2	397.7	74,400	63,700	55,800	74,400	63,700	55,800	105
110	77.4	396.3	73,500	63,000	55,300	73,500	63,000	55,300	110
115	76.7	394.9	72,600	62,300	54,800	72,600	62,300	54,800	115
120	76.0	393.5	71,700	61,700	54,300	71,700	61,700	54,300	120
125	75.2	391.9	70,900	61,100	53,900	70,900	61,100	53,900	125
130	74.5	390.3	70,000	60,500	53,400	70,000	60,500	53,400	130
135	73.7	388.7	69,300	59,900	52,900	69,300	59,900	52,900	135
140	72.9	386.9	68,400	59,300	52,500	68,400	59,300	52,500	140
145	72.2	385.1	67,700	58,700	52,000	67,700	58,700	52,000	145
150	71.4	383.2	66,900	58,200	51,600	66,900	58,200	51,600	150
155	70.6	381.2	66,200	57,600	51,100	66,200	57,600	51,100	155
160	69.9	379.1	65,400	57,100	50,700	65,400	57,100	50,700	160
165	69.1	377.0	64,800	56,500	50,300	64,800	56,500	50,300	165
170	68.3	374.8	64,000	56,000	49,900	64,000	56,000	49,900	170
175	67.5	372.5	63,300	55,500	49,500	63,300	55,500	49,500	175
180	66.7	370.1	60,500	54,200	48,300	62,000	55,000	49,100	180
190	65.1	365.0	51,100	45,500	40,300	59,500	54,000	48,300	190
200	63.5	359.6	42,600	37,600	33,000	57,200	53,100	47,600	200
210	61.8	353.9	35,000	30,500	26,300	55,100	52,200	46,900	210
220	60.2	347.7	28,000	24,000	20,200	53,100	51,400	46,200	220
230	58.4	341.1	21,700	18,100	14,600	51,200	50,600	45,500	230
240	56.7	334.1	15,900	12,600	9,500	49,500	49,100	44,900	240
250	54.9	326.6	10,500	7,500		47,900	47,500	44,300	250
260	53.1	318.6				46,400	46,100	43,800	260
270	51.2	310.0				45,000	44,600	43,200	270
280	49.2	300.9				43,600	43,400	42,600	280
290	47.2	291.1				42,400	42,100	41,800	290
300	45.2	280.6				41,300	40,900	40,700	300
310	43.0	269.2				40,200	39,800	39,600	310
320	40.7	257.0				39,100	38,300	35,800	320
330	38.3	243.7				35,100	34,400	32,100	330
340	35.8	229.1				31,400	30,700	28,600	340
350	33.1	212.9				27,800	27,200	25,300	350
360	30.1	194.9				24,500	23,900	22,200	360
370	26.9	174.2				21,200	20,700	19,200	370
380	23.1	149.8				18,100	17,600	16,300	380
390	18.5	119.3				15,100	14,700	13,500	390

MLC650 VPC-MAX S-1

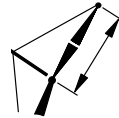


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
75									75
80									80
85	82.8	399.2	68,500			68,500			85
90	82.1	398.1	67,000			67,000			90
95	81.3	397.0	65,500	58,200		65,500	58,200		95
100	80.6	395.8	64,000	57,700	51,100	64,000	57,700	51,100	100
105	79.9	394.5	62,500	57,200	50,700	62,500	57,200	50,700	105
110	79.1	393.2	61,100	56,600	50,300	61,100	56,600	50,300	110
115	78.4	391.8	59,800	56,200	50,000	59,800	56,200	50,000	115
120	77.6	390.3	58,600	55,700	49,600	58,600	55,700	49,600	120
125	76.9	388.8	57,400	55,200	49,200	57,400	55,200	49,200	125
130	76.1	387.2	56,200	54,800	48,900	56,200	54,800	48,900	130
135	75.3	385.5	55,100	54,400	48,500	55,100	54,400	48,500	135
140	74.6	383.7	54,000	53,600	48,200	54,000	53,600	48,200	140
145	73.8	381.8	53,000	52,600	47,800	53,000	52,600	47,800	145
150	73.0	379.9	52,000	51,600	47,500	52,000	51,600	47,500	150
155	72.3	377.9	51,100	50,700	47,200	51,100	50,700	47,200	155
160	71.5	375.8	50,200	49,800	46,900	50,200	49,800	46,900	160
165	70.7	373.7	49,300	48,900	46,600	49,300	48,900	46,600	165
170	69.9	371.4	48,400	48,100	46,300	48,400	48,100	46,300	170
175	69.1	369.1	47,600	47,300	46,000	47,600	47,300	46,000	175
180	68.3	366.7	46,800	46,500	45,700	46,800	46,500	45,700	180
190	66.7	361.6	45,400	45,000	44,500	45,400	45,000	44,500	190
200	65.0	356.2	43,900	42,700	37,800	43,900	43,700	43,200	200
210	63.4	350.3	39,800	35,200	30,800	42,700	42,400	41,900	210
220	61.7	344.1	32,600	28,400	24,400	41,400	41,200	40,800	220
230	59.9	337.5	25,900	22,100	18,500	40,200	40,100	39,700	230
240	58.2	330.4	19,800	16,300	13,100	39,200	38,900	38,600	240
250	56.4	322.8	14,100	11,000	8,100	38,100	38,000	37,700	250
260	54.5	314.7	8,900			37,200	37,000	36,800	260
270	52.6	306.0				36,300	36,200	35,900	270
280	50.6	296.7				35,500	35,300	35,100	280
290	48.6	286.8				34,700	34,500	34,400	290
300	46.5	276.1				34,000	33,800	33,700	300
310	44.3	264.6				33,300	33,100	33,000	310
320	42.0	252.1				32,700	32,500	32,400	320
330	39.5	238.4				32,000	31,900	31,800	330
340	36.9	223.5				31,500	31,400	29,700	340
350	34.1	206.9				28,800	28,100	26,200	350
360	31.1	188.2				25,200	24,600	22,900	360
370	27.6	166.7				21,800	21,300	19,700	370
380									380
390									390

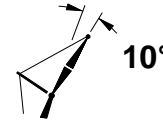
MLC650 VPC-MAX S-1



341.2 ft



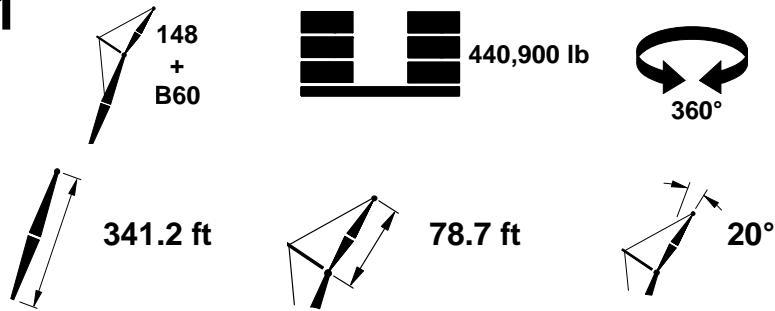
78.7 ft



10°

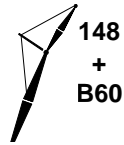
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
75	82.9	424.2	80,200			80,200			75
80	82.2	423.3	79,300			79,300			80
85	81.5	422.3	78,300	66,200		78,300	66,200		85
90	80.9	421.3	77,400	65,600	57,200	77,400	65,600	57,200	90
95	80.2	420.3	76,500	65,000	56,700	76,500	65,000	56,700	95
100	79.5	419.1	75,600	64,300	56,200	75,600	64,300	56,200	100
105	78.8	417.9	74,700	63,700	55,700	74,700	63,700	55,700	105
110	78.1	416.7	73,800	63,100	55,200	73,800	63,100	55,200	110
115	77.3	415.4	73,000	62,400	54,800	73,000	62,400	54,800	115
120	76.6	414.0	72,100	61,800	54,300	72,100	61,800	54,300	120
125	75.9	412.5	71,400	61,300	53,900	71,400	61,300	53,900	125
130	75.2	411.0	70,600	60,700	53,400	70,600	60,700	53,400	130
135	74.5	409.4	69,800	60,100	53,000	69,800	60,100	53,000	135
140	73.8	407.7	69,000	59,600	52,500	69,000	59,600	52,500	140
145	73.1	406.0	68,300	59,000	52,100	68,300	59,000	52,100	145
150	72.3	404.2	67,500	58,500	51,700	67,500	58,500	51,700	150
155	71.6	402.3	66,800	58,000	51,300	66,800	58,000	51,300	155
160	70.9	400.4	66,100	57,400	50,900	66,100	57,400	50,900	160
165	70.1	398.3	65,500	56,900	50,500	65,500	56,900	50,500	165
170	69.4	396.2	64,800	56,400	50,100	64,800	56,400	50,100	170
175	68.6	394.1	64,100	55,900	49,700	64,100	55,900	49,700	175
180	67.9	391.8	63,500	55,400	49,300	63,500	55,400	49,300	180
190	66.4	387.1	58,300	52,000	46,200	61,600	54,500	48,600	190
200	64.9	382.0	49,300	43,700	38,400	59,200	53,600	47,900	200
210	63.3	376.6	41,200	36,100	31,400	57,100	52,800	47,200	210
220	61.7	370.8	33,800	29,200	25,000	55,000	51,900	46,500	220
230	60.1	364.6	27,000	22,900	19,000	53,100	51,100	45,900	230
240	58.5	358.1	20,800	17,100	13,600	51,400	50,400	45,300	240
250	56.8	351.1	15,100	11,700	8,500	49,700	49,300	44,700	250
260	55.1	343.7	9,800	6,700		48,200	47,800	44,200	260
270	53.4	335.8				46,700	46,400	43,600	270
280	51.6	327.4				45,400	45,100	43,100	280
290	49.8	318.5				44,100	43,800	42,700	290
300	47.9	308.9				42,900	42,500	41,200	300
310	45.9	298.7				40,800	40,000	37,100	310
320	43.9	287.7				36,700	35,900	33,200	320
330	41.8	276.0				32,700	32,000	29,500	330
340	39.6	263.2				29,000	28,300	26,000	340
350	37.3	249.4				25,500	24,800	22,700	350
360	34.8	234.3				22,200	21,500	19,600	360
370	32.1	217.6				19,000	18,400	16,600	370
380	29.2	198.9				15,900	15,400	13,800	380
390	26.0	177.6				12,800	12,500	11,100	390
400	22.3	152.4				9,100	9,700	8,400	400

MLC650 VPC-MAX S-1

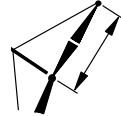


ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
75									75
80									80
85									85
90	82.5	418.2	67,800			67,800			90
95	81.8	417.1	66,400	58,100		66,400	58,100		95
100	81.1	416.0	64,800	57,600		64,800	57,600		100
105	80.4	414.8	63,500	57,100	50,500	63,500	57,100	50,500	105
110	79.6	413.5	62,100	56,600	50,200	62,100	56,600	50,200	110
115	78.9	412.2	60,800	56,200	49,900	60,800	56,200	49,900	115
120	78.2	410.8	59,600	55,700	49,500	59,600	55,700	49,500	120
125	77.5	409.3	58,400	55,300	49,200	58,400	55,300	49,200	125
130	76.8	407.8	57,300	54,900	48,800	57,300	54,900	48,800	130
135	76.1	406.2	56,200	54,500	48,500	56,200	54,500	48,500	135
140	75.3	404.5	55,100	54,000	48,200	55,100	54,000	48,200	140
145	74.6	402.8	54,100	53,700	47,900	54,100	53,700	47,900	145
150	73.9	400.9	53,200	52,800	47,500	53,200	52,800	47,500	150
155	73.1	399.0	52,200	51,800	47,300	52,200	51,800	47,300	155
160	72.4	397.1	51,300	50,900	47,000	51,300	50,900	47,000	160
165	71.7	395.0	50,400	50,100	46,700	50,400	50,100	46,700	165
170	70.9	392.9	49,600	49,200	46,400	49,600	49,200	46,400	170
175	70.2	390.7	48,700	48,500	46,000	48,700	48,500	46,000	175
180	69.4	388.5	48,000	47,600	45,800	48,000	47,600	45,800	180
190	67.9	383.7	46,500	46,200	45,300	46,500	46,200	45,300	190
200	66.3	378.5	45,100	44,800	43,600	45,100	44,800	44,200	200
210	64.8	373.1	43,700	41,100	36,200	43,700	43,500	43,000	210
220	63.2	367.2	38,500	33,800	29,400	42,500	42,300	41,800	220
230	61.6	361.0	31,500	27,200	23,200	41,400	41,100	40,700	230
240	59.9	354.4	25,000	21,100	17,500	40,300	40,100	39,600	240
250	58.2	347.4	19,000	15,500	12,100	39,300	39,000	38,700	250
260	56.5	339.9	13,400	10,200	7,200	38,300	38,100	37,800	260
270	54.7	331.9	8,300			37,400	37,200	36,900	270
280	52.9	323.4				36,600	36,300	36,100	280
290	51.1	314.3				35,700	35,600	35,300	290
300	49.2	304.6				35,000	34,800	34,600	300
310	47.2	294.2				34,200	34,100	33,900	310
320	45.1	283.1				33,600	33,400	33,300	320
330	43.0	271.1				33,000	32,800	30,900	330
340	40.7	258.1				30,400	29,600	27,300	340
350	38.4	244.0				26,700	26,000	23,900	350
360	35.8	228.5				23,200	22,500	20,600	360
370	33.1	211.4				19,800	19,200	17,400	370
380	30.1	192.0				16,600	16,100	14,400	380
390									390
400									400

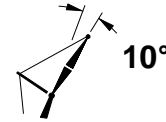
MLC650 VPC-MAX S-1



144.4 ft



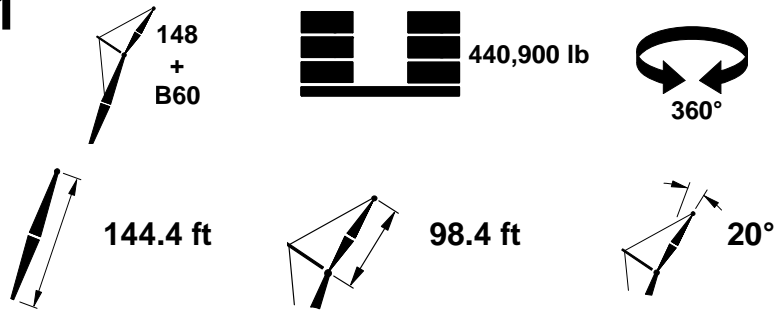
98.4 ft



10°

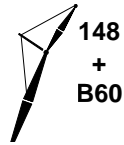
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
55	82.9	248.2	66,200b			66,200b			55
60	81.6	247.1	64,600b	54,500b		64,600b	54,500b		60
65	80.4	245.9	63,100b	53,400b	46,400b	63,100b	53,400b	46,400b	65
70	79.2	244.5	61,400	52,300	45,500	61,400	52,300	45,500	70
75	78.0	243.1	59,900	51,200	44,700	59,900	51,200	44,700	75
80	76.8	241.5	58,500	50,200	43,900	58,500	50,200	43,900	80
85	75.5	239.9	56,900	49,200	43,100	56,900	49,200	43,100	85
90	74.3	238.0	55,300	48,200	42,400	55,300	48,200	42,400	90
95	73.0	236.1	53,800	47,300	41,600	53,800	47,300	41,600	95
100	71.7	234.1	52,400	46,400	40,900	52,400	46,400	40,900	100
105	70.4	231.9	51,000	45,500	40,300	51,000	45,500	40,300	105
110	69.1	229.6	49,700	44,500	39,600	49,700	44,500	39,600	110
115	67.8	227.1	48,400	43,600	39,000	48,400	43,600	39,000	115
120	66.5	224.5	47,200	42,600	38,300	47,200	42,600	38,300	120
125	65.2	221.7	46,100	41,700	37,700	46,100	41,700	37,700	125
130	63.8	218.8	45,000	40,800	37,000	45,000	40,800	37,000	130
135	62.4	215.7	43,900	39,900	36,400	43,900	39,900	36,400	135
140	61.0	212.5	42,900	39,000	35,800	42,900	39,000	35,800	140
145	59.6	209.0	41,900	38,300	35,200	41,900	38,300	35,200	145
150	58.1	205.4	40,500	37,500	34,500	40,500	37,500	34,500	150
155	56.6	201.6	39,200	36,800	33,900	39,200	36,800	33,900	155
160	55.1	197.6	38,000	36,000	33,300	38,000	36,000	33,300	160
165	53.6	193.3	36,900	35,300	32,600	36,900	35,300	32,600	165
170	52.0	188.8	35,800	34,700	32,100	35,800	34,700	32,100	170
175	50.4	184.1	34,800	34,000	31,500	34,800	34,000	31,500	175
180	48.7	179.1	33,800	33,500	31,000	33,800	33,500	31,000	180
190	45.2	168.0	32,000	31,700	30,100	32,000	31,700	30,100	190
200	41.4	155.5	30,400	30,200	29,100	30,400	30,200	29,100	200
210	37.3	141.0	28,900	28,700	28,300	28,900	28,700	28,300	210
220	32.6	123.8	27,600	27,400	27,200	27,600	27,400	27,200	220
230	27.0	102.5	26,500	26,300	26,100	26,500	26,300	26,100	230
240	19.6	72.7	25,500	25,300	25,100	25,500	25,300	25,100	240

MLC650 VPC-MAX S-1

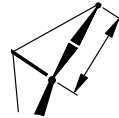


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
55									55
60									60
65									65
70	82.8	242.0	54,100b			54,100b			70
75	81.5	240.5	52,700b	46,600b		52,700b	46,600b		75
80	80.3	238.9	51,300	45,700	40,400	51,300	45,700	40,400	80
85	79.0	237.2	50,100	44,800	39,800	50,100	44,800	39,800	85
90	77.8	235.4	48,300	43,900	39,200	48,300	43,900	39,200	90
95	76.5	233.4	46,400	43,000	38,600	46,400	43,000	38,600	95
100	75.2	231.4	44,700	42,100	38,000	44,700	42,100	38,000	100
105	73.9	229.1	43,000	41,200	37,400	43,000	41,200	37,400	105
110	72.6	226.8	41,500	40,400	36,800	41,500	40,400	36,800	110
115	71.3	224.3	40,100	39,600	36,300	40,100	39,600	36,300	115
120	69.9	221.7	38,800	38,400	35,700	38,800	38,400	35,700	120
125	68.6	218.9	37,500	37,200	35,000	37,500	37,200	35,000	125
130	67.2	215.9	36,300	36,100	34,400	36,300	36,100	34,400	130
135	65.8	212.8	35,200	35,000	33,800	35,200	35,000	33,800	135
140	64.3	209.5	34,200	33,900	33,300	34,200	33,900	33,300	140
145	62.9	206.0	33,200	33,000	32,700	33,200	33,000	32,700	145
150	61.4	202.3	32,300	32,100	31,800	32,300	32,100	31,800	150
155	59.9	198.4	31,400	31,200	31,000	31,400	31,200	31,000	155
160	58.4	194.3	30,600	30,400	30,200	30,600	30,400	30,200	160
165	56.8	190.0	29,800	29,600	29,400	29,800	29,600	29,400	165
170	55.2	185.4	29,100	28,900	28,700	29,100	28,900	28,700	170
175	53.5	180.6	28,400	28,200	28,000	28,400	28,200	28,000	175
180	51.8	175.5	27,700	27,500	27,300	27,700	27,500	27,300	180
190	48.2	164.2	26,400	26,300	26,100	26,400	26,300	26,100	190
200	44.3	151.3	25,300	25,200	25,100	25,300	25,200	25,100	200
210	40.1	136.3	24,300	24,200	24,100	24,300	24,200	24,100	210
220	35.2	118.4	23,500	23,300	23,300	23,500	23,300	23,300	220
230	29.3	95.7	22,800	22,700	22,600	22,800	22,700	22,600	230
240									240

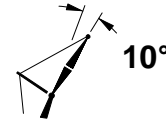
MLC650 VPC-MAX S-1



164.0 ft



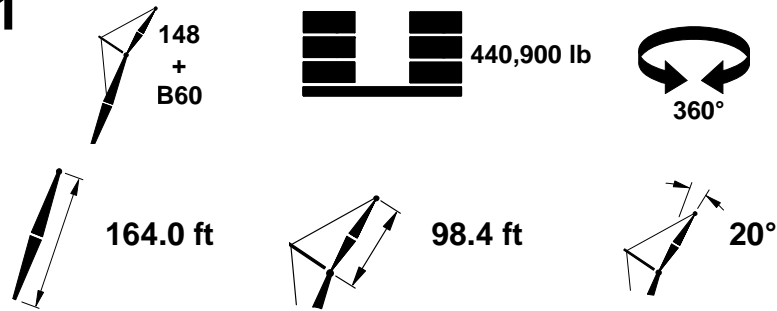
98.4 ft



10°

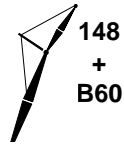
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
60	82.3	267.2	65,200			65,200			60
65	81.2	266.1	63,800	53,900		63,800	53,900		65
70	80.0	264.8	62,400	52,800	45,900	62,400	52,800	45,900	70
75	78.9	263.5	60,900	51,800	45,200	60,900	51,800	45,200	75
80	77.8	262.1	59,600	50,900	44,400	59,600	50,900	44,400	80
85	76.6	260.5	58,200	50,000	43,700	58,200	50,000	43,700	85
90	75.5	258.9	56,700	49,100	43,000	56,700	49,100	43,000	90
95	74.3	257.1	55,300	48,100	42,300	55,300	48,100	42,300	95
100	73.2	255.2	53,900	47,300	41,600	53,900	47,300	41,600	100
105	72.0	253.2	52,500	46,400	41,000	52,500	46,400	41,000	105
110	70.8	251.1	51,300	45,600	40,400	51,300	45,600	40,400	110
115	69.6	248.9	50,100	44,800	39,800	50,100	44,800	39,800	115
120	68.4	246.5	48,900	44,000	39,200	48,900	44,000	39,200	120
125	67.2	244.0	47,800	43,100	38,500	47,800	43,100	38,500	125
130	66.0	241.4	46,700	42,200	38,000	46,700	42,200	38,000	130
135	64.7	238.6	45,700	41,300	37,400	45,700	41,300	37,400	135
140	63.5	235.7	44,700	40,500	36,800	44,700	40,500	36,800	140
145	62.2	232.6	43,700	39,700	36,200	43,700	39,700	36,200	145
150	60.9	229.4	42,700	38,900	35,700	42,700	38,900	35,700	150
155	59.6	226.0	41,800	38,200	35,100	41,800	38,200	35,100	155
160	58.2	222.4	40,600	37,500	34,500	40,600	37,500	34,500	160
165	56.9	218.7	39,400	36,800	34,000	39,400	36,800	34,000	165
170	55.5	214.8	38,300	36,200	33,400	38,300	36,200	33,400	170
175	54.1	210.6	37,200	35,500	32,800	37,200	35,500	32,800	175
180	52.6	206.3	36,200	34,900	32,300	36,200	34,900	32,300	180
190	49.6	196.9	34,300	33,800	31,300	34,300	33,800	31,300	190
200	46.5	186.4	32,600	32,300	30,400	32,600	32,300	30,400	200
210	43.1	174.6	31,100	30,800	29,500	31,100	30,800	29,500	210
220	39.5	161.3	29,700	29,400	28,700	29,700	29,400	28,700	220
230	35.5	146.0	28,400	28,200	28,000	28,400	28,200	28,000	230
240	31.0	127.8	27,300	27,100	26,900	27,300	27,100	26,900	240
250	25.6	105.3	26,200	26,100	25,900	26,200	26,100	25,900	250
260	18.4	73.8	25,400	25,200	25,000	25,400	25,200	25,000	260

MLC650 VPC-MAX S-1

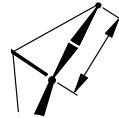


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
60									60
65									65
70									70
75	82.2	260.8	53,300			53,300			75
80	81.1	259.3	52,100	46,100		52,100	46,100		80
85	79.9	257.8	50,900	45,300	40,100	50,900	45,300	40,100	85
90	78.8	256.1	49,700	44,600	39,600	49,700	44,600	39,600	90
95	77.6	254.3	47,900	43,700	39,000	47,900	43,700	39,000	95
100	76.4	252.4	46,200	42,800	38,400	46,200	42,800	38,400	100
105	75.2	250.4	44,600	42,000	37,900	44,600	42,000	37,900	105
110	74.0	248.3	43,100	41,200	37,400	43,100	41,200	37,400	110
115	72.8	246.0	41,700	40,500	36,800	41,700	40,500	36,800	115
120	71.6	243.6	40,400	39,700	36,300	40,400	39,700	36,300	120
125	70.4	241.1	39,200	38,800	35,800	39,200	38,800	35,800	125
130	69.1	238.4	38,000	37,700	35,200	38,000	37,700	35,200	130
135	67.8	235.6	36,900	36,600	34,700	36,900	36,600	34,700	135
140	66.6	232.6	35,800	35,600	34,100	35,800	35,600	34,100	140
145	65.3	229.5	34,800	34,600	33,500	34,800	34,600	33,500	145
150	63.9	226.2	33,900	33,700	33,000	33,900	33,700	33,000	150
155	62.6	222.8	33,000	32,800	32,600	33,000	32,800	32,600	155
160	61.3	219.2	32,200	31,900	31,700	32,200	31,900	31,700	160
165	59.9	215.4	31,400	31,200	31,000	31,400	31,200	31,000	165
170	58.5	211.4	30,600	30,400	30,200	30,600	30,400	30,200	170
175	57.0	207.2	29,900	29,700	29,500	29,900	29,700	29,500	175
180	55.5	202.7	29,200	29,000	28,800	29,200	29,000	28,800	180
190	52.5	193.2	27,900	27,800	27,600	27,900	27,800	27,600	190
200	49.3	182.5	26,800	26,600	26,500	26,800	26,600	26,500	200
210	45.8	170.4	25,700	25,600	25,500	25,700	25,600	25,500	210
220	42.1	156.7	24,800	24,600	24,500	24,800	24,600	24,500	220
230	38.0	140.8	24,000	23,800	23,700	24,000	23,800	23,700	230
240	33.2	121.9	23,200	23,100	23,000	23,200	23,100	23,000	240
250	27.5	97.8	22,700	22,500	22,400	22,700	22,500	22,400	250
260									260

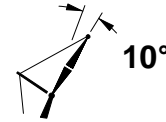
MLC650 VPC-MAX S-1



183.7 ft



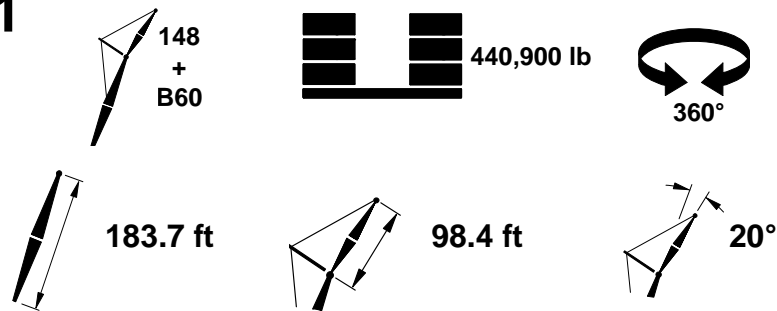
98.4 ft



10°

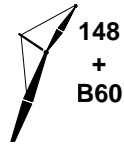
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
60	82.8	287.2	65,800			65,800			60
65	81.8	286.2	64,400	54,300		64,400	54,300		65
70	80.8	285.1	63,200	53,300	46,400	63,200	53,300	46,400	70
75	79.7	283.8	61,900	52,400	45,600	61,900	52,400	45,600	75
80	78.7	282.5	60,600	51,500	44,800	60,600	51,500	44,800	80
85	77.6	281.1	59,300	50,600	44,200	59,300	50,600	44,200	85
90	76.5	279.6	57,900	49,800	43,500	57,900	49,800	43,500	90
95	75.5	277.9	56,600	48,900	42,900	56,600	48,900	42,900	95
100	74.4	276.2	55,200	48,100	42,300	55,200	48,100	42,300	100
105	73.3	274.3	54,000	47,300	41,700	54,000	47,300	41,700	105
110	72.2	272.4	52,800	46,600	41,000	52,800	46,600	41,000	110
115	71.1	270.3	51,600	45,800	40,500	51,600	45,800	40,500	115
120	70.0	268.2	50,400	44,900	39,900	50,400	44,900	39,900	120
125	68.9	265.9	49,400	44,200	39,300	49,400	44,200	39,300	125
130	67.8	263.5	48,300	43,400	38,700	48,300	43,400	38,700	130
135	66.7	260.9	47,300	42,600	38,200	47,300	42,600	38,200	135
140	65.5	258.3	46,300	41,800	37,700	46,300	41,800	37,700	140
145	64.3	255.5	45,400	41,000	37,100	45,400	41,000	37,100	145
150	63.2	252.6	44,500	40,300	36,600	44,500	40,300	36,600	150
155	62.0	249.5	43,500	39,600	36,100	43,500	39,600	36,100	155
160	60.8	246.3	42,700	38,800	35,600	42,700	38,800	35,600	160
165	59.6	243.0	41,800	38,200	35,100	41,800	38,200	35,100	165
170	58.3	239.4	40,700	37,500	34,500	40,700	37,500	34,500	170
175	57.1	235.8	39,500	36,900	34,000	39,500	36,900	34,000	175
180	55.8	231.9	38,500	36,300	33,400	38,500	36,300	33,400	180
190	53.1	223.6	36,600	35,100	32,400	36,600	35,100	32,400	190
200	50.4	214.5	34,800	34,000	31,500	34,800	34,000	31,500	200
210	47.5	204.5	33,200	32,800	30,600	33,200	32,800	30,600	210
220	44.5	193.4	31,700	31,400	29,800	31,700	31,400	29,800	220
230	41.3	180.9	30,300	30,100	29,000	30,300	30,100	29,000	230
240	37.8	166.9	29,100	28,900	28,400	29,100	28,900	28,400	240
250	33.9	150.7	27,900	27,700	27,500	27,900	27,700	27,500	250
260	29.5	131.6	27,000	26,700	25,600	27,000	26,700	26,600	260
270	24.3	107.9	23,300	22,400	21,500	26,100	25,900	25,700	270
280	17.2	74.6	18,800	18,100	17,500	25,300	25,100	24,900	280

MLC650 VPC-MAX S-1

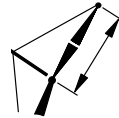


ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
60									60
65									65
70									70
75	82.8	281.0	53,900			53,900			75
80	81.7	279.7	52,700	46,500		52,700	46,500		80
85	80.7	278.2	51,500	45,700	40,400	51,500	45,700	40,400	85
90	79.6	276.7	50,500	45,000	39,900	50,500	45,000	39,900	90
95	78.5	275.0	49,300	44,300	39,400	49,300	44,300	39,400	95
100	77.4	273.3	47,700	43,500	38,900	47,700	43,500	38,900	100
105	76.3	271.4	46,100	42,700	38,300	46,100	42,700	38,300	105
110	75.2	269.4	44,600	42,000	37,800	44,600	42,000	37,800	110
115	74.1	267.4	43,300	41,200	37,300	43,300	41,200	37,300	115
120	73.0	265.2	41,900	40,500	36,800	41,900	40,500	36,800	120
125	71.9	262.9	40,700	39,900	36,400	40,700	39,900	36,400	125
130	70.7	260.4	39,500	39,100	35,800	39,500	39,100	35,800	130
135	69.6	257.9	38,400	38,100	35,400	38,400	38,100	35,400	135
140	68.4	255.2	37,400	37,100	34,900	37,400	37,100	34,900	140
145	67.2	252.3	36,400	36,100	34,300	36,400	36,100	34,300	145
150	66.0	249.4	35,400	35,200	33,800	35,400	35,200	33,800	150
155	64.8	246.3	34,500	34,300	33,400	34,500	34,300	33,400	155
160	63.6	243.0	33,700	33,500	32,900	33,700	33,500	32,900	160
165	62.4	239.6	32,900	32,600	32,400	32,900	32,600	32,400	165
170	61.1	236.0	32,100	31,900	31,700	32,100	31,900	31,700	170
175	59.8	232.3	31,300	31,100	30,900	31,300	31,100	30,900	175
180	58.5	228.4	30,600	30,500	30,300	30,600	30,500	30,300	180
190	55.9	220.0	29,300	29,100	29,000	29,300	29,100	29,000	190
200	53.1	210.7	28,200	28,000	27,800	28,200	28,000	27,800	200
210	50.1	200.5	27,000	26,900	26,800	27,000	26,900	26,800	210
220	47.0	189.1	26,100	25,900	25,800	26,100	25,900	25,800	220
230	43.7	176.4	25,100	25,000	24,900	25,100	25,000	24,900	230
240	40.1	161.9	24,400	24,200	24,100	24,400	24,200	24,100	240
250	36.1	145.1	23,600	23,500	23,400	23,600	23,500	23,400	250
260	31.5	125.1	23,000	22,900	22,800	23,000	22,900	22,800	260
270	25.9	99.7	22,500	22,400	22,300	22,500	22,400	22,300	270
280									280

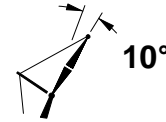
MLC650 VPC-MAX S-1



203.4 ft



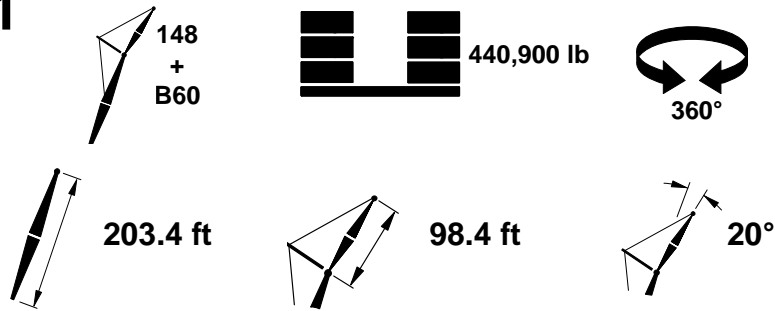
98.4 ft



10°

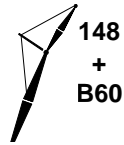
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
65	82.3	306.3	64,900			64,900			65
70	81.4	305.2	63,700	53,700		63,700	53,700		70
75	80.4	304.1	62,500	52,800	45,900	62,500	52,800	45,900	75
80	79.4	302.8	61,300	51,900	45,200	61,300	51,900	45,200	80
85	78.4	301.5	60,100	51,100	44,600	60,100	51,100	44,600	85
90	77.5	300.1	58,900	50,300	43,900	58,900	50,300	43,900	90
95	76.5	298.6	57,700	49,500	43,300	57,700	49,500	43,300	95
100	75.5	297.0	56,400	48,800	42,700	56,400	48,800	42,700	100
105	74.5	295.3	55,200	48,000	42,100	55,200	48,000	42,100	105
110	73.5	293.4	54,000	47,300	41,500	54,000	47,300	41,500	110
115	72.4	291.5	52,900	46,600	41,000	52,900	46,600	41,000	115
120	71.4	289.5	51,800	45,800	40,400	51,800	45,800	40,400	120
125	70.4	287.4	50,700	45,100	39,900	50,700	45,100	39,900	125
130	69.4	285.2	49,700	44,400	39,400	49,700	44,400	39,400	130
135	68.3	282.9	48,700	43,700	38,900	48,700	43,700	38,900	135
140	67.3	280.4	47,700	42,900	38,400	47,700	42,900	38,400	140
145	66.2	277.9	46,800	42,200	37,900	46,800	42,200	37,900	145
150	65.1	275.2	45,900	41,400	37,400	45,900	41,400	37,400	150
155	64.0	272.4	45,100	40,700	36,900	45,100	40,700	36,900	155
160	62.9	269.5	44,200	40,100	36,400	44,200	40,100	36,400	160
165	61.8	266.4	43,400	39,400	35,900	43,400	39,400	35,900	165
170	60.7	263.2	42,600	38,700	35,500	42,600	38,700	35,500	170
175	59.6	259.9	41,800	38,100	35,000	41,800	38,100	35,000	175
180	58.4	256.4	40,700	37,500	34,500	40,700	37,500	34,500	180
190	56.0	249.0	38,700	36,400	33,500	38,700	36,400	33,500	190
200	53.6	240.9	36,900	35,300	32,500	36,900	35,300	32,500	200
210	51.1	232.1	35,200	34,200	31,600	35,200	34,200	31,600	210
220	48.4	222.4	33,600	33,300	30,800	33,600	33,300	30,800	220
230	45.7	211.8	32,200	31,900	30,100	32,200	31,900	30,100	230
240	42.7	200.0	30,900	30,700	29,400	30,900	30,700	29,400	240
250	39.6	186.9	28,600	26,900	25,300	29,700	29,500	28,700	250
260	36.2	172.1	23,900	22,500	21,100	28,600	28,400	28,100	260
270	32.5	155.2	19,500	18,300	17,100	27,600	27,400	27,200	270
280	28.2	135.2	15,400	14,300	13,300	26,700	26,500	26,300	280
290	23.2	110.3	11,300	10,500	9,600	25,900	25,700	25,500	290

MLC650 VPC-MAX S-1

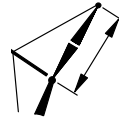


ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
65									65
70									70
75									75
80	82.3	299.9	53,200			53,200			80
85	81.3	298.5	52,200	46,000		52,200	46,000		85
90	80.3	297.1	51,100	45,400	40,100	51,100	45,400	40,100	90
95	79.3	295.6	50,100	44,700	39,600	50,100	44,700	39,600	95
100	78.3	294.0	49,000	44,000	39,100	49,000	44,000	39,100	100
105	77.3	292.2	47,400	43,300	38,600	47,400	43,300	38,600	105
110	76.3	290.4	46,000	42,600	38,200	46,000	42,600	38,200	110
115	75.2	288.5	44,600	41,900	37,700	44,600	41,900	37,700	115
120	74.2	286.5	43,300	41,300	37,200	43,300	41,300	37,200	120
125	73.2	284.3	42,100	40,600	36,800	42,100	40,600	36,800	125
130	72.1	282.1	40,900	40,000	36,400	40,900	40,000	36,400	130
135	71.0	279.7	39,800	39,300	35,900	39,800	39,300	35,900	135
140	70.0	277.3	38,800	38,500	35,500	38,800	38,500	35,500	140
145	68.9	274.7	37,800	37,500	35,000	37,800	37,500	35,000	145
150	67.8	272.0	36,900	36,500	34,500	36,900	36,500	34,500	150
155	66.7	269.1	36,000	35,700	34,000	36,000	35,700	34,000	155
160	65.6	266.2	35,100	34,800	33,600	35,100	34,800	33,600	160
165	64.5	263.1	34,300	34,000	33,200	34,300	34,000	33,200	165
170	63.3	259.8	33,500	33,300	32,800	33,500	33,300	32,800	170
175	62.2	256.5	32,700	32,500	32,300	32,700	32,500	32,300	175
180	61.0	252.9	32,000	31,800	31,600	32,000	31,800	31,600	180
190	58.6	245.4	30,700	30,500	30,300	30,700	30,500	30,300	190
200	56.1	237.2	29,500	29,300	29,100	29,500	29,300	29,100	200
210	53.6	228.2	28,400	28,200	28,000	28,400	28,200	28,000	210
220	50.9	218.3	27,300	27,200	27,000	27,300	27,200	27,000	220
230	48.0	207.5	26,400	26,200	26,100	26,400	26,200	26,100	230
240	45.0	195.4	25,500	25,400	25,200	25,500	25,400	25,200	240
250	41.8	182.0	24,700	24,600	24,500	24,700	24,600	24,500	250
260	38.3	166.8	24,000	23,900	23,000	24,000	23,900	23,800	260
270	34.5	149.2	21,200	19,900	18,600	23,400	23,300	23,100	270
280	30.0	128.2	16,600	15,500	14,500	22,800	22,700	22,600	280
290									290

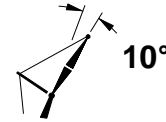
MLC650 VPC-MAX S-1



223.1 ft



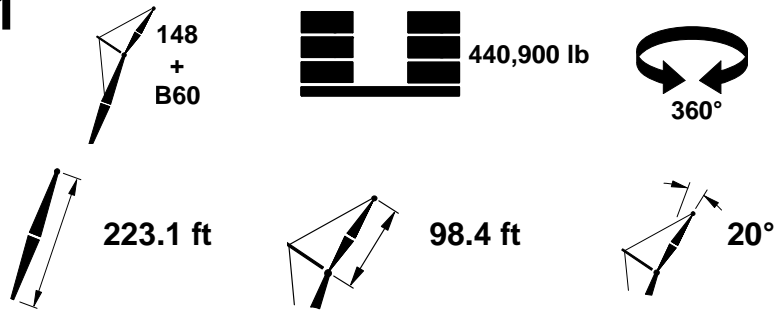
98.4 ft



10°

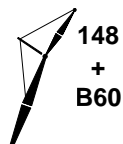
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
65	82.8	326.3	65,300			65,300			65
70	81.9	325.3	64,100	53,900		64,100	53,900		70
75	81.0	324.2	62,900	53,000		62,900	53,000		75
80	80.1	323.1	61,800	52,200	45,400	61,800	52,200	45,400	80
85	79.2	321.8	60,700	51,500	44,700	60,700	51,500	44,700	85
90	78.2	320.5	59,600	50,700	44,200	59,600	50,700	44,200	90
95	77.3	319.1	58,500	50,000	43,600	58,500	50,000	43,600	95
100	76.4	317.6	57,500	49,300	43,000	57,500	49,300	43,000	100
105	75.5	316.0	56,300	48,500	42,500	56,300	48,500	42,500	105
110	74.5	314.3	55,200	47,800	41,900	55,200	47,800	41,900	110
115	73.6	312.5	54,100	47,100	41,400	54,100	47,100	41,400	115
120	72.6	310.7	53,000	46,500	40,900	53,000	46,500	40,900	120
125	71.7	308.7	51,900	45,800	40,400	51,900	45,800	40,400	125
130	70.7	306.7	51,000	45,100	39,900	51,000	45,100	39,900	130
135	69.7	304.5	50,000	44,500	39,400	50,000	44,500	39,400	135
140	68.8	302.2	49,000	43,800	39,000	49,000	43,800	39,000	140
145	67.8	299.9	48,100	43,200	38,500	48,100	43,200	38,500	145
150	66.8	297.4	47,200	42,500	38,000	47,200	42,500	38,000	150
155	65.8	294.8	46,400	41,800	37,600	46,400	41,800	37,600	155
160	64.8	292.1	45,600	41,100	37,100	45,600	41,100	37,100	160
165	63.7	289.3	44,800	40,500	36,700	44,800	40,500	36,700	165
170	62.7	286.4	44,000	39,900	36,200	44,000	39,900	36,200	170
175	61.7	283.3	43,200	39,200	35,800	43,200	39,200	35,800	175
180	60.6	280.2	42,400	38,700	35,400	42,400	38,700	35,400	180
190	58.5	273.4	40,800	37,500	34,500	40,800	37,500	34,500	190
200	56.3	266.1	38,900	36,400	33,500	38,900	36,400	33,500	200
210	54.0	258.2	37,100	35,400	32,600	37,100	35,400	32,600	210
220	51.6	249.5	35,500	34,400	31,800	35,500	34,400	31,800	220
230	49.2	240.2	34,100	33,500	31,000	34,100	33,500	31,000	230
240	46.6	229.9	31,800	29,600	27,500	32,700	32,400	30,300	240
250	44.0	218.7	26,800	24,800	23,000	31,400	31,200	29,600	250
260	41.1	206.4	22,100	20,400	18,800	30,300	30,000	29,000	260
270	38.1	192.6	17,800	16,300	14,900	29,200	29,000	28,300	270
280	34.8	177.2	13,700	12,400	11,100	28,200	28,000	27,800	280
290	31.2	159.5	9,900	8,700	7,600	27,300	27,100	26,900	290
300	27.1	138.6				26,500	26,300	26,100	300
310	22.1	112.6				25,700	25,600	25,400	310

MLC650 VPC-MAX S-1

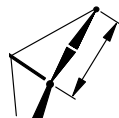


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
65									65
70									70
75									75
80	82.8	320.0	53,600			53,600			80
85	81.8	318.8	52,600	46,300		52,600	46,300		85
90	80.9	317.5	51,600	45,600	40,200	51,600	45,600	40,200	90
95	80.0	316.0	50,700	45,000	39,700	50,700	45,000	39,700	95
100	79.0	314.5	49,800	44,400	39,300	49,800	44,400	39,300	100
105	78.1	312.9	48,600	43,800	38,800	48,600	43,800	38,800	105
110	77.1	311.2	47,200	43,200	38,400	47,200	43,200	38,400	110
115	76.2	309.4	45,900	42,400	38,000	45,900	42,400	38,000	115
120	75.2	307.5	44,500	41,800	37,600	44,500	41,800	37,600	120
125	74.3	305.5	43,300	41,200	37,200	43,300	41,200	37,200	125
130	73.3	303.5	42,200	40,500	36,800	42,200	40,500	36,800	130
135	72.3	301.3	41,100	39,900	36,300	41,100	39,900	36,300	135
140	71.3	299.0	40,100	39,400	35,900	40,100	39,400	35,900	140
145	70.3	296.6	39,100	38,800	35,500	39,100	38,800	35,500	145
150	69.3	294.1	38,100	37,800	35,100	38,100	37,800	35,100	150
155	68.3	291.5	37,300	36,900	34,700	37,300	36,900	34,700	155
160	67.3	288.8	36,400	36,100	34,300	36,400	36,100	34,300	160
165	66.3	285.9	35,600	35,300	33,800	35,600	35,300	33,800	165
170	65.2	283.0	34,800	34,500	33,400	34,800	34,500	33,400	170
175	64.1	279.9	34,000	33,800	33,000	34,000	33,800	33,000	175
180	63.1	276.7	33,300	33,100	32,600	33,300	33,100	32,600	180
190	60.9	269.8	32,000	31,700	31,500	32,000	31,700	31,500	190
200	58.7	262.4	30,700	30,500	30,300	30,700	30,500	30,300	200
210	56.4	254.3	29,600	29,400	29,200	29,600	29,400	29,200	210
220	54.0	245.6	28,500	28,300	28,200	28,500	28,300	28,200	220
230	51.5	236.0	27,600	27,400	27,200	27,600	27,400	27,200	230
240	48.9	225.6	26,600	26,500	26,300	26,600	26,500	26,300	240
250	46.2	214.2	25,800	25,700	25,500	25,800	25,700	25,500	250
260	43.3	201.5	24,600	22,800	21,100	25,000	24,900	24,800	260
270	40.1	187.4	19,900	18,400	16,900	24,400	24,200	24,100	270
280	36.8	171.5	15,600	14,200	12,900	23,700	23,600	23,500	280
290	33.0	153.0	11,400	10,200	9,000	23,200	23,100	22,900	290
300	28.6	131.0	7,300			22,700	22,600	22,500	300
310									310

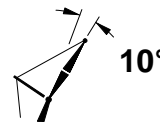
MLC650 VPC-MAX S-1



242.8 ft



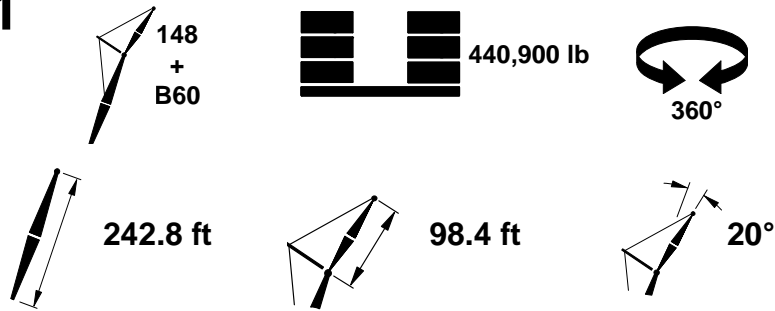
98.4 ft



10°

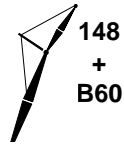
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70	82.4	345.3	64,400			64,400			70
75	81.5	344.3	63,300	53,200		63,300	53,200		75
80	80.7	343.2	62,200	52,500	45,500	62,200	52,500	45,500	80
85	79.8	342.1	61,300	51,700	44,900	61,300	51,700	44,900	85
90	78.9	340.8	60,300	51,000	44,400	60,300	51,000	44,400	90
95	78.1	339.5	59,200	50,300	43,800	59,200	50,300	43,800	95
100	77.2	338.1	58,200	49,600	43,300	58,200	49,600	43,300	100
105	76.3	336.6	57,200	48,900	42,800	57,200	48,900	42,800	105
110	75.4	335.0	56,100	48,300	42,300	56,100	48,300	42,300	110
115	74.6	333.4	55,100	47,700	41,800	55,100	47,700	41,800	115
120	73.7	331.6	54,100	47,000	41,300	54,100	47,000	41,300	120
125	72.8	329.8	53,000	46,400	40,800	53,000	46,400	40,800	125
130	71.9	327.9	52,100	45,800	40,300	52,100	45,800	40,300	130
135	71.0	325.9	51,100	45,200	39,800	51,100	45,200	39,800	135
140	70.1	323.7	50,200	44,600	39,400	50,200	44,600	39,400	140
145	69.2	321.5	49,300	44,000	39,000	49,300	44,000	39,000	145
150	68.2	319.3	48,500	43,300	38,500	48,500	43,300	38,500	150
155	67.3	316.9	47,600	42,800	38,100	47,600	42,800	38,100	155
160	66.4	314.4	46,800	42,100	37,700	46,800	42,100	37,700	160
165	65.4	311.8	46,000	41,500	37,300	46,000	41,500	37,300	165
170	64.5	309.1	45,300	40,800	36,800	45,300	40,800	36,800	170
175	63.5	306.2	44,500	40,200	36,400	44,500	40,200	36,400	175
180	62.5	303.3	43,800	39,600	36,000	43,800	39,600	36,000	180
190	60.5	297.1	42,400	38,500	35,200	42,400	38,500	35,200	190
200	58.5	290.4	40,900	37,500	34,400	40,900	37,500	34,400	200
210	56.5	283.2	39,100	36,400	33,500	39,100	36,400	33,500	210
220	54.3	275.4	37,400	35,500	32,700	37,400	35,500	32,700	220
230	52.1	266.9	32,900	30,200	27,600	35,900	34,600	31,900	230
240	49.9	257.8	27,500	25,100	22,800	34,500	33,700	31,200	240
250	47.5	247.9	22,500	20,300	18,300	33,200	32,800	30,500	250
260	45.0	237.2	17,900	15,900	14,100	32,000	31,700	29,800	260
270	42.4	225.4	13,500	11,800	10,200	30,800	30,500	29,200	270
280	39.7	212.5	9,500	8,000	6,500	29,800	29,500	28,600	280
290	36.8	198.1				28,800	28,600	28,100	290
300	33.6	182.0				27,900	27,700	27,500	300
310	30.0	163.5				27,100	26,900	26,700	310
320	26.0	141.8				26,300	26,100	26,000	320
330	21.2	114.6				25,600	25,400	25,300	330

MLC650 VPC-MAX S-1

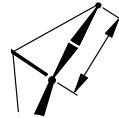


ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
70									70
75									75
80									80
85	82.3	339.0	53,000			53,000			85
90	81.5	337.7	52,100	45,800		52,100	45,800		90
95	80.6	336.4	51,200	45,200	39,900	51,200	45,200	39,900	95
100	79.7	335.0	50,300	44,600	39,400	50,300	44,600	39,400	100
105	78.8	333.5	49,500	44,100	39,000	49,500	44,100	39,000	105
110	77.9	331.9	48,300	43,500	38,600	48,300	43,500	38,600	110
115	77.0	330.2	47,000	42,900	38,200	47,000	42,900	38,200	115
120	76.1	328.4	45,700	42,300	37,800	45,700	42,300	37,800	120
125	75.2	326.6	44,500	41,700	37,500	44,500	41,700	37,500	125
130	74.3	324.6	43,400	41,100	37,100	43,400	41,100	37,100	130
135	73.4	322.6	42,400	40,500	36,700	42,400	40,500	36,700	135
140	72.5	320.5	41,300	40,000	36,300	41,300	40,000	36,300	140
145	71.6	318.2	40,300	39,500	36,000	40,300	39,500	36,000	145
150	70.6	315.9	39,400	38,900	35,600	39,400	38,900	35,600	150
155	69.7	313.5	38,500	38,200	35,200	38,500	38,200	35,200	155
160	68.7	311.0	37,700	37,300	34,800	37,700	37,300	34,800	160
165	67.8	308.3	36,800	36,500	34,400	36,800	36,500	34,400	165
170	66.8	305.6	36,000	35,700	34,000	36,000	35,700	34,000	170
175	65.8	302.8	35,300	35,000	33,600	35,300	35,000	33,600	175
180	64.9	299.8	34,600	34,300	33,200	34,600	34,300	33,200	180
190	62.9	293.5	33,200	32,900	32,500	33,200	32,900	32,500	190
200	60.8	286.7	31,900	31,700	31,500	31,900	31,700	31,500	200
210	58.7	279.4	30,800	30,600	30,400	30,800	30,600	30,400	210
220	56.6	271.5	29,700	29,500	29,300	29,700	29,500	29,300	220
230	54.3	262.9	28,700	28,500	28,300	28,700	28,500	28,300	230
240	52.0	253.6	27,800	27,600	26,100	27,800	27,600	27,400	240
250	49.6	243.6	25,700	23,500	21,300	26,900	26,800	26,600	250
260	47.1	232.6	20,800	18,800	16,800	26,100	25,900	25,800	260
270	44.5	220.6	16,200	14,400	12,600	25,400	25,200	25,100	270
280	41.6	207.3	11,800	10,200	8,700	24,700	24,500	24,400	280
290	38.6	192.6	7,700			24,100	24,000	23,800	290
300	35.3	175.9				23,500	23,400	23,300	300
310	31.7	156.7				23,100	22,900	22,800	310
320	27.4	133.7				22,600	22,500	22,400	320
330									330

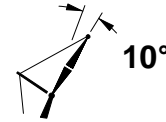
MLC650 VPC-MAX S-1



262.5 ft



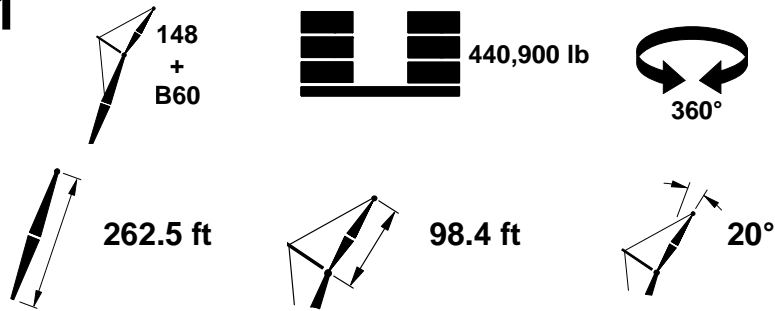
98.4 ft



10°

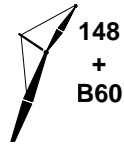
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70	82.8	365.3	64,600			64,600			70
75	82.0	364.4	63,700			63,700			75
80	81.2	363.4	62,700	52,600		62,700	52,600		80
85	80.4	362.3	61,600	51,900	45,000	61,600	51,900	45,000	85
90	79.6	361.1	60,700	51,200	44,500	60,700	51,200	44,500	90
95	78.7	359.8	59,800	50,600	44,000	59,800	50,600	44,000	95
100	77.9	358.5	58,800	49,900	43,400	58,800	49,900	43,400	100
105	77.1	357.1	57,900	49,300	43,000	57,900	49,300	43,000	105
110	76.3	355.6	57,000	48,700	42,500	57,000	48,700	42,500	110
115	75.4	354.1	56,000	48,100	42,100	56,000	48,100	42,100	115
120	74.6	352.4	55,000	47,500	41,600	55,000	47,500	41,600	120
125	73.8	350.7	54,000	46,900	41,100	54,000	46,900	41,100	125
130	72.9	348.9	53,100	46,300	40,700	53,100	46,300	40,700	130
135	72.1	347.0	52,200	45,800	40,200	52,200	45,800	40,200	135
140	71.2	345.0	51,300	45,200	39,700	51,300	45,200	39,700	140
145	70.4	343.0	50,400	44,600	39,300	50,400	44,600	39,300	145
150	69.5	340.8	49,600	44,000	39,000	49,600	44,000	39,000	150
155	68.6	338.6	48,700	43,500	38,500	48,700	43,500	38,500	155
160	67.8	336.3	48,000	43,000	38,200	48,000	43,000	38,200	160
165	66.9	333.8	47,200	42,400	37,700	47,200	42,400	37,700	165
170	66.0	331.3	46,400	41,700	37,400	46,400	41,700	37,400	170
175	65.1	328.7	45,700	41,200	37,000	45,700	41,200	37,000	175
180	64.2	326.0	45,000	40,600	36,500	45,000	40,600	36,500	180
190	62.4	320.2	43,600	39,500	35,800	43,600	39,500	35,800	190
200	60.5	314.0	42,300	38,400	35,100	42,300	38,400	35,100	200
210	58.6	307.4	40,900	37,400	34,300	40,900	37,400	34,300	210
220	56.6	300.2	35,800	32,600	29,500	39,200	36,400	33,500	220
230	54.6	292.5	30,000	27,000	24,200	37,600	35,600	32,700	230
240	52.6	284.3	24,600	21,900	19,400	36,200	34,700	32,000	240
250	50.4	275.4	19,600	17,200	14,900	34,800	33,900	31,300	250
260	48.2	265.8	14,900	12,800	10,700	33,600	33,100	30,600	260
270	46.0	255.4	10,600	8,700	6,800	32,400	32,100	30,000	270
280	43.6	244.1	6,600			31,300	31,000	29,400	280
290	41.0	231.8				30,300	30,000	28,900	290
300	38.4	218.3				29,400	29,100	28,400	300
310	35.5	203.4				28,400	28,200	27,900	310
320	32.4	186.6				27,600	27,400	27,200	320
330	29.0	167.4				26,900	26,700	26,500	330
340	25.1	144.8				26,200	26,000	25,800	340
350	20.3	116.5				25,600	25,400	25,200	350

MLC650 VPC-MAX S-1

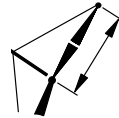


ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70									70
75									75
80									80
85	82.8	359.1	53,300			53,300			85
90	81.9	357.9	52,400	45,900		52,400	45,900		90
95	81.1	356.7	51,600	45,400		51,600	45,400		95
100	80.3	355.3	50,800	44,900	39,500	50,800	44,900	39,500	100
105	79.5	353.9	50,000	44,300	39,100	50,000	44,300	39,100	105
110	78.6	352.4	49,200	43,800	38,800	49,200	43,800	38,800	110
115	77.8	350.8	48,100	43,300	38,400	48,100	43,300	38,400	115
120	76.9	349.2	46,800	42,700	38,000	46,800	42,700	38,000	120
125	76.1	347.4	45,700	42,200	37,600	45,700	42,200	37,600	125
130	75.2	345.6	44,600	41,600	37,300	44,600	41,600	37,300	130
135	74.4	343.7	43,500	41,100	36,900	43,500	41,100	36,900	135
140	73.5	341.7	42,500	40,500	36,600	42,500	40,500	36,600	140
145	72.7	339.6	41,500	40,000	36,200	41,500	40,000	36,200	145
150	71.8	337.5	40,500	39,500	35,900	40,500	39,500	35,900	150
155	70.9	335.2	39,600	39,000	35,600	39,600	39,000	35,600	155
160	70.0	332.8	38,800	38,500	35,200	38,800	38,500	35,200	160
165	69.1	330.4	38,000	37,600	34,800	38,000	37,600	34,800	165
170	68.2	327.9	37,200	36,900	34,400	37,200	36,900	34,400	170
175	67.3	325.2	36,400	36,100	34,100	36,400	36,100	34,100	175
180	66.4	322.5	35,700	35,400	33,700	35,700	35,400	33,700	180
190	64.6	316.6	34,400	34,100	33,000	34,400	34,100	33,000	190
200	62.7	310.4	33,100	32,800	32,300	33,100	32,800	32,300	200
210	60.7	303.6	31,900	31,600	31,400	31,900	31,600	31,400	210
220	58.8	296.4	30,800	30,600	30,400	30,800	30,600	30,400	220
230	56.7	288.6	29,800	29,600	28,200	29,800	29,600	29,400	230
240	54.6	280.2	28,400	25,700	23,100	28,800	28,600	28,500	240
250	52.5	271.2	23,100	20,600	18,300	27,900	27,800	27,600	250
260	50.2	261.4	18,200	16,000	13,800	27,100	27,000	26,800	260
270	47.9	250.8	13,600	11,600	9,700	26,400	26,200	26,100	270
280	45.5	239.3	9,300			25,600	25,500	25,400	280
290	42.9	226.8				25,000	24,900	24,700	290
300	40.2	212.9				24,400	24,300	24,100	300
310	37.2	197.5				23,800	23,700	23,600	310
320	34.0	180.2				23,400	23,200	23,100	320
330	30.4	160.2				22,900	22,800	22,700	330
340	26.3	136.3				22,600	22,400	22,300	340
350									350

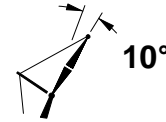
MLC650 VPC-MAX S-1



282.2 ft



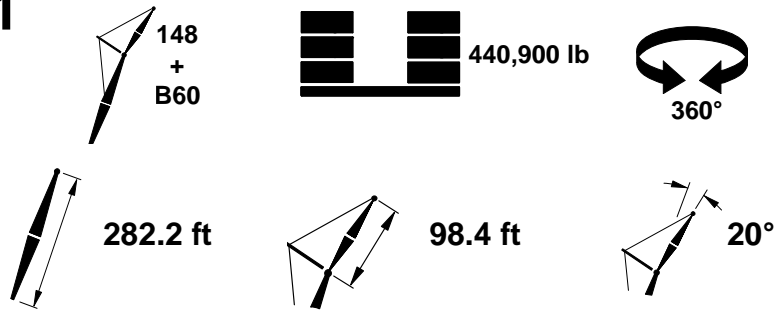
98.4 ft



10°

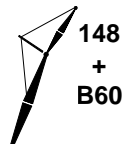
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
75	82.4	384.4	63,800			63,800			75
80	81.7	383.4	62,900	52,700		62,900	52,700		80
85	80.9	382.4	62,000	52,000	45,000	62,000	52,000	45,000	85
90	80.1	381.3	61,100	51,400	44,600	61,100	51,400	44,600	90
95	79.3	380.1	60,200	50,800	44,000	60,200	50,800	44,000	95
100	78.6	378.8	59,300	50,200	43,600	59,300	50,200	43,600	100
105	77.8	377.5	58,400	49,600	43,100	58,400	49,600	43,100	105
110	77.0	376.1	57,600	48,900	42,700	57,600	48,900	42,700	110
115	76.2	374.6	56,700	48,400	42,200	56,700	48,400	42,200	115
120	75.4	373.1	55,900	47,800	41,800	55,900	47,800	41,800	120
125	74.6	371.5	54,900	47,300	41,300	54,900	47,300	41,300	125
130	73.8	369.8	54,000	46,700	40,900	54,000	46,700	40,900	130
135	73.0	368.0	53,100	46,200	40,500	53,100	46,200	40,500	135
140	72.2	366.1	52,200	45,700	40,100	52,200	45,700	40,100	140
145	71.4	364.2	51,400	45,100	39,700	51,400	45,100	39,700	145
150	70.6	362.2	50,600	44,600	39,300	50,600	44,600	39,300	150
155	69.8	360.1	49,800	44,100	38,900	49,800	44,100	38,900	155
160	69.0	357.9	49,000	43,500	38,500	49,000	43,500	38,500	160
165	68.2	355.6	48,300	43,000	38,100	48,300	43,000	38,100	165
170	67.3	353.3	47,500	42,500	37,800	47,500	42,500	37,800	170
175	66.5	350.8	46,800	42,000	37,400	46,800	42,000	37,400	175
180	65.6	348.3	46,100	41,400	37,000	46,100	41,400	37,000	180
190	63.9	342.9	44,800	40,300	36,300	44,800	40,300	36,300	190
200	62.2	337.1	43,500	39,300	35,600	43,500	39,300	35,600	200
210	60.4	331.0	42,200	38,300	34,900	42,200	38,300	34,900	210
220	58.6	324.4	40,000	36,300	32,700	41,000	37,400	34,200	220
230	56.8	317.3	33,700	30,300	27,200	39,400	36,500	33,500	230
240	54.9	309.7	27,900	24,900	22,000	37,900	35,600	32,800	240
250	53.0	301.6	22,600	19,800	17,200	36,500	34,800	32,100	250
260	51.0	292.9	17,700	15,200	12,800	35,200	34,000	31,400	260
270	48.9	283.5	13,100	10,800	8,700	34,000	33,300	30,700	270
280	46.8	273.4	8,800	6,700		32,900	32,500	30,100	280
290	44.5	262.6				31,800	31,500	29,600	290
300	42.2	250.8				30,800	30,500	29,100	300
310	39.8	238.0				29,800	29,600	28,600	310
320	37.2	224.0				29,000	28,700	28,100	320
330	34.4	208.4				28,200	27,900	27,700	330
340	31.4	191.0				27,400	27,200	27,000	340
350	28.0	171.1				26,700	26,500	26,300	350
360	24.2	147.6				26,100	25,900	25,700	360
370	19.5	118.3				25,500	25,300	25,200	370

MLC650 VPC-MAX S-1

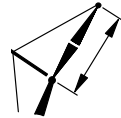


ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
75									75
80									80
85									85
90	82.4	378.1	52,800			52,800			90
95	81.6	376.9	51,900	45,500		51,900	45,500		95
100	80.8	375.6	51,200	44,900	39,500	51,200	44,900	39,500	100
105	80.0	374.3	50,400	44,400	39,100	50,400	44,400	39,100	105
110	79.2	372.8	49,700	44,000	38,800	49,700	44,000	38,800	110
115	78.4	371.4	48,900	43,500	38,500	48,900	43,500	38,500	115
120	77.6	369.8	47,900	43,000	38,100	47,900	43,000	38,100	120
125	76.8	368.2	46,700	42,500	37,800	46,700	42,500	37,800	125
130	76.0	366.4	45,600	42,000	37,400	45,600	42,000	37,400	130
135	75.2	364.7	44,600	41,500	37,100	44,600	41,500	37,100	135
140	74.4	362.8	43,500	41,000	36,800	43,500	41,000	36,800	140
145	73.6	360.8	42,600	40,500	36,400	42,600	40,500	36,400	145
150	72.8	358.8	41,600	40,000	36,100	41,600	40,000	36,100	150
155	72.0	356.7	40,700	39,500	35,800	40,700	39,500	35,800	155
160	71.1	354.5	39,900	39,000	35,500	39,900	39,000	35,500	160
165	70.3	352.2	39,100	38,600	35,200	39,100	38,600	35,200	165
170	69.5	349.8	38,300	37,900	34,800	38,300	37,900	34,800	170
175	68.6	347.3	37,500	37,200	34,500	37,500	37,200	34,500	175
180	67.8	344.7	36,800	36,500	34,200	36,800	36,500	34,200	180
190	66.0	339.3	35,500	35,200	33,500	35,500	35,200	33,500	190
200	64.3	333.5	34,200	33,900	32,800	34,200	33,900	32,800	200
210	62.5	327.2	33,000	32,700	32,200	33,000	32,700	32,200	210
220	60.7	320.5	31,900	31,600	31,400	31,900	31,600	31,400	220
230	58.8	313.4	30,800	30,600	30,400	30,800	30,600	30,400	230
240	56.9	305.7	29,900	29,100	26,000	29,900	29,700	29,500	240
250	54.9	297.4	26,600	23,700	21,000	29,000	28,800	28,600	250
260	52.9	288.6	21,300	18,700	16,200	28,100	27,900	27,800	260
270	50.8	279.1	16,400	14,100	11,800	27,300	27,200	27,000	270
280	48.6	268.9	11,900	9,700	7,700	26,600	26,500	26,300	280
290	46.4	257.8	7,600			25,900	25,700	25,600	290
300	44.0	245.8				25,300	25,100	25,000	300
310	41.5	232.7				24,700	24,500	24,400	310
320	38.8	218.3				24,200	24,000	23,900	320
330	36.0	202.3				23,600	23,500	23,400	330
340	32.8	184.3				23,200	23,000	23,000	340
350	29.3	163.5				22,800	22,700	22,600	350
360									360
370									370

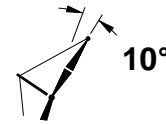
MLC650 VPC-MAX S-1



301.8 ft



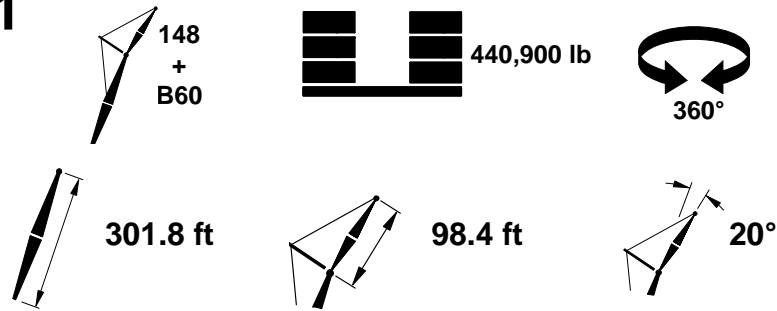
98.4 ft



10°

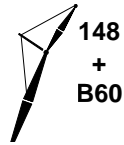
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
75	82.8	404.4	64,000			64,000			75
80	82.1	403.5	63,100			63,100			80
85	81.3	402.5	62,200	52,100		62,200	52,100		85
90	80.6	401.4	61,400	51,500	44,500	61,400	51,500	44,500	90
95	79.9	400.3	60,500	50,900	44,000	60,500	50,900	44,000	95
100	79.1	399.1	59,700	50,300	43,600	59,700	50,300	43,600	100
105	78.4	397.9	59,000	49,700	43,100	59,000	49,700	43,100	105
110	77.7	396.5	58,100	49,200	42,700	58,100	49,200	42,700	110
115	76.9	395.1	57,300	48,600	42,300	57,300	48,600	42,300	115
120	76.2	393.7	56,500	48,100	41,800	56,500	48,100	41,800	120
125	75.4	392.1	55,700	47,600	41,500	55,700	47,600	41,500	125
130	74.7	390.5	54,800	47,000	41,100	54,800	47,000	41,100	130
135	73.9	388.9	53,900	46,600	40,700	53,900	46,600	40,700	135
140	73.2	387.1	53,100	46,000	40,300	53,100	46,000	40,300	140
145	72.4	385.3	52,300	45,500	39,900	52,300	45,500	39,900	145
150	71.6	383.4	51,400	45,000	39,500	51,400	45,000	39,500	150
155	70.9	381.4	50,700	44,500	39,100	50,700	44,500	39,100	155
160	70.1	379.3	50,000	44,100	38,800	50,000	44,100	38,800	160
165	69.3	377.2	49,200	43,500	38,400	49,200	43,500	38,400	165
170	68.5	375.0	48,500	43,100	38,100	48,500	43,100	38,100	170
175	67.7	372.7	47,800	42,600	37,700	47,800	42,600	37,700	175
180	66.9	370.3	47,100	42,100	37,400	47,100	42,100	37,400	180
190	65.3	365.2	45,800	41,100	36,700	45,800	41,100	36,700	190
200	63.7	359.8	44,500	40,100	36,100	44,500	40,100	36,100	200
210	62.1	354.1	43,300	39,100	35,300	43,300	39,100	35,400	210
220	60.4	347.9	37,000	33,000	29,200	42,200	38,200	34,700	220
230	58.7	341.3	30,700	27,100	23,700	41,000	37,300	34,100	230
240	56.9	334.3	24,900	21,600	18,500	39,500	36,500	33,500	240
250	55.1	326.8	19,600	16,600	13,800	38,100	35,700	32,800	250
260	53.3	318.8	14,600	11,900	9,300	36,800	34,800	32,100	260
270	51.4	310.3	10,000	7,600		35,500	34,100	31,500	270
280	49.5	301.1				34,300	33,400	30,900	280
290	47.5	291.4				33,300	32,800	30,300	290
300	45.4	280.8				32,200	31,900	29,800	300
310	43.2	269.5				31,200	31,000	29,200	310
320	41.0	257.3				30,300	30,100	28,700	320
330	38.6	244.0				29,500	29,200	28,300	330
340	36.1	229.4				28,700	28,400	27,900	340
350	33.3	213.3				27,900	27,700	27,500	350
360	30.4	195.3				27,200	27,000	26,800	360
370	27.1	174.7				26,500	26,300	26,100	370
380	23.4	150.4				25,100	24,700	23,300	380
390	18.8	119.9				22,100	21,700	20,500	390

MLC650 VPC-MAX S-1

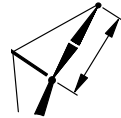


ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
75									75
80									80
85									85
90	82.8	398.1	53,000			53,000			90
95	82.0	397.0	52,300			52,300			95
100	81.3	395.8	51,500			51,500			100
105	80.5	394.5	50,800			50,800			105
110	79.8	393.2	50,100			50,100			110
115	79.0	391.8	49,300			49,300			115
120	78.3	390.3	48,600			48,600			120
125	77.5	388.8	47,700			47,700			125
130	76.8	387.2	46,600			46,600			130
135	76.0	385.5	45,600			45,600			135
140	75.2	383.7	44,600			44,600			140
145	74.5	381.9	43,600			43,600			145
150	73.7	379.9	42,700			42,700			150
155	72.9	377.9	41,800			41,800			155
160	72.1	375.8	40,900			40,900			160
165	71.4	373.7	40,100			40,100			165
170	70.6	371.4	39,400			39,400			170
175	69.8	369.1	38,600			38,600			175
180	69.0	366.7	37,900			37,900			180
190	67.4	361.6	36,500			36,500			190
200	65.7	356.2	35,200			35,200			200
210	64.0	350.3	34,100			34,100			210
220	62.3	344.1	32,900			32,900			220
230	60.6	337.5	31,900			31,900			230
240	58.8	330.4	29,500			30,900			240
250	57.0	322.8	23,800			30,000			250
260	55.2	314.7	18,600			29,100			260
270	53.3	306.0	13,700			28,300			270
280	51.3	296.7	9,200			27,500			280
290	49.3	286.8				26,800			290
300	47.1	276.1				26,200			300
310	44.9	264.6				25,600			310
320	42.6	252.1				25,000			320
330	40.2	238.4				24,400			330
340	37.6	223.5				23,900			340
350	34.8	206.9				23,500			350
360	31.7	188.2				23,100			360
370	28.3	166.7				22,700			370
380									380
390									390

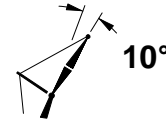
MLC650 VPC-MAX S-1



321.5 ft



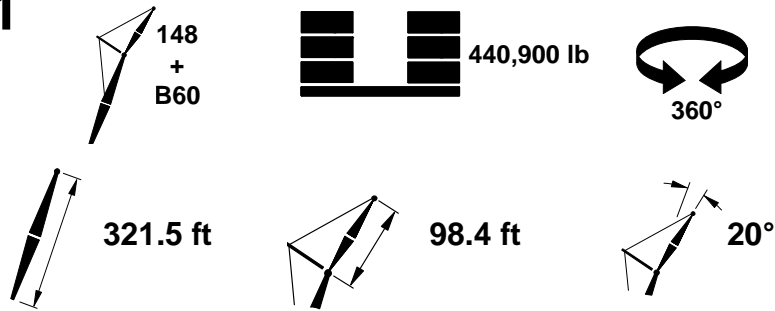
98.4 ft



10°

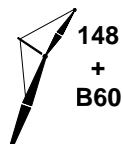
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
80	82.4	423.5	63,100			63,100			80
85	81.8	422.5	62,400	52,000		62,400	52,000		85
90	81.1	421.5	61,500	51,400		61,500	51,400		90
95	80.4	420.5	60,700	50,900	44,000	60,700	50,900	44,000	95
100	79.7	419.3	60,000	50,400	43,500	60,000	50,400	43,500	100
105	79.0	418.1	59,200	49,800	43,100	59,200	49,800	43,100	105
110	78.3	416.9	58,500	49,300	42,700	58,500	49,300	42,700	110
115	77.6	415.5	57,700	48,700	42,300	57,700	48,700	42,300	115
120	76.8	414.2	57,000	48,300	41,900	57,000	48,300	41,900	120
125	76.1	412.7	56,200	47,800	41,500	56,200	47,800	41,500	125
130	75.4	411.2	55,500	47,300	41,100	55,500	47,300	41,100	130
135	74.7	409.6	54,700	46,700	40,800	54,700	46,700	40,800	135
140	74.0	407.9	53,900	46,300	40,400	53,900	46,300	40,400	140
145	73.3	406.2	53,000	45,800	40,000	53,000	45,800	40,000	145
150	72.5	404.4	52,300	45,300	39,700	52,300	45,300	39,700	150
155	71.8	402.5	51,500	44,900	39,400	51,500	44,900	39,400	155
160	71.1	400.6	50,800	44,500	39,000	50,800	44,500	39,000	160
165	70.3	398.5	50,100	44,000	38,600	50,100	44,000	38,600	165
170	69.6	396.4	49,400	43,500	38,300	49,400	43,500	38,300	170
175	68.9	394.3	48,700	43,100	38,000	48,700	43,100	38,000	175
180	68.1	392.0	48,000	42,600	37,600	48,000	42,600	37,600	180
190	66.6	387.3	46,700	41,700	37,000	46,700	41,700	37,000	190
200	65.1	382.2	45,500	40,800	36,400	45,500	40,800	36,400	200
210	63.5	376.8	39,200	34,500	30,000	44,300	39,800	35,800	210
220	61.9	371.0	32,300	28,000	24,000	43,200	38,900	35,100	220
230	60.3	364.9	25,900	22,000	18,400	42,100	38,000	34,600	230
240	58.7	358.3	20,100	16,600	13,300	41,000	37,200	34,000	240
250	57.0	351.3	14,700	11,500	8,500	39,700	36,500	33,400	250
260	55.3	343.9	9,800	6,900		38,300	35,700	32,700	260
270	53.6	336.1				37,100	34,900	32,100	270
280	51.8	327.7				35,900	34,200	31,500	280
290	50.0	318.7				34,700	33,600	31,000	290
300	48.1	309.2				33,600	32,900	30,400	300
310	46.2	299.0				32,700	32,300	29,900	310
320	44.1	288.0				31,700	31,400	29,400	320
330	42.0	276.2				30,800	30,500	28,900	330
340	39.8	263.5				29,900	29,700	28,500	340
350	37.5	249.7				29,200	28,900	28,000	350
360	35.0	234.6				27,700	27,100	25,200	360
370	32.4	218.0				24,600	24,000	22,200	370
380	29.5	199.3				21,500	21,000	19,400	380
390	26.3	178.1				18,600	18,100	16,700	390
400	22.6	152.9				15,800	15,300	14,100	400
410	18.1	121.4				13,000	12,600	11,500	410

MLC650 VPC-MAX S-1

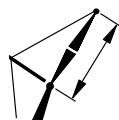


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
80									80
85									85
90									90
95	82.4	417.1	52,400			52,400			95
100	81.7	416.0	51,700	45,000		51,700	45,000		100
105	81.0	414.8	51,100	44,600	39,000	51,100	44,600	39,000	105
110	80.3	413.5	50,400	44,200	38,700	50,400	44,200	38,700	110
115	79.6	412.2	49,700	43,700	38,400	49,700	43,700	38,400	115
120	78.9	410.8	49,000	43,300	38,100	49,000	43,300	38,100	120
125	78.1	409.3	48,400	42,900	37,800	48,400	42,900	37,800	125
130	77.4	407.8	47,600	42,500	37,500	47,600	42,500	37,500	130
135	76.7	406.2	46,500	42,100	37,300	46,500	42,100	37,300	135
140	76.0	404.5	45,600	41,600	37,000	45,600	41,600	37,000	140
145	75.2	402.7	44,600	41,200	36,700	44,600	41,200	36,700	145
150	74.5	400.9	43,700	40,700	36,400	43,700	40,700	36,400	150
155	73.8	399.0	42,800	40,300	36,100	42,800	40,300	36,100	155
160	73.0	397.1	41,900	39,900	35,900	41,900	39,900	35,900	160
165	72.3	395.0	41,100	39,500	35,500	41,100	39,500	35,500	165
170	71.6	392.9	40,400	39,100	35,200	40,400	39,100	35,200	170
175	70.8	390.7	39,600	38,600	35,000	39,600	38,600	35,000	175
180	70.0	388.4	38,900	38,200	34,700	38,900	38,200	34,700	180
190	68.5	383.6	37,500	37,200	34,200	37,500	37,200	34,200	190
200	67.0	378.5	36,200	35,900	33,600	36,200	35,900	33,600	200
210	65.4	373.0	35,000	34,800	33,000	35,000	34,800	33,000	210
220	63.8	367.2	33,900	33,500	29,300	33,900	33,700	32,500	220
230	62.2	361.0	31,300	27,200	23,400	32,900	32,600	31,900	230
240	60.5	354.4	25,100	21,400	18,000	31,900	31,600	31,400	240
250	58.9	347.3	19,400	16,100	12,900	31,000	30,700	30,500	250
260	57.1	339.8	14,100	11,100	8,200	30,100	29,800	29,600	260
270	55.4	331.9	9,200	6,500		29,200	29,100	28,900	270
280	53.6	323.3				28,500	28,300	28,100	280
290	51.7	314.3				27,700	27,600	27,400	290
300	49.8	304.6				27,100	26,900	26,700	300
310	47.8	294.2				26,400	26,300	26,100	310
320	45.8	283.1				25,800	25,700	25,500	320
330	43.6	271.1				25,300	25,100	25,000	330
340	41.4	258.1				24,700	24,600	24,500	340
350	39.0	244.0				24,200	24,100	23,900	350
360	36.5	228.5				23,800	23,600	23,500	360
370	33.7	211.3				23,400	23,200	23,100	370
380	30.7	192.0				22,500	21,900	20,300	380
390	27.4	169.7				19,300	18,800	17,400	390
400									400
410									410

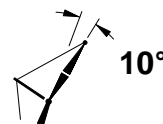
MLC650 VPC-MAX S-1



341.2 ft



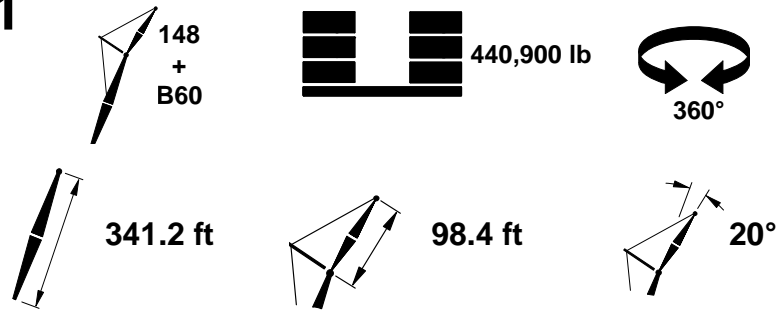
98.4 ft



10°

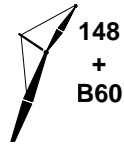
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
80	82.8	443.4	63,200			63,200			80
85	82.1	442.5	62,300			62,300			85
90	81.5	441.6	61,600	51,300		61,600	51,300		90
95	80.8	440.6	60,900	50,800	43,800	60,900	50,800	43,800	95
100	80.1	439.5	60,100	50,300	43,400	60,100	50,300	43,400	100
105	79.5	438.3	59,400	49,800	43,000	59,400	49,800	43,000	105
110	78.8	437.1	58,800	49,300	42,600	58,800	49,300	42,600	110
115	78.1	435.9	58,100	48,800	42,300	58,100	48,800	42,300	115
120	77.4	434.6	57,300	48,300	41,900	57,300	48,300	41,900	120
125	76.8	433.2	56,600	47,900	41,500	56,600	47,900	41,500	125
130	76.1	431.7	55,900	47,400	41,200	55,900	47,400	41,200	130
135	75.4	430.2	55,200	46,900	40,800	55,200	46,900	40,800	135
140	74.7	428.6	54,500	46,500	40,500	54,500	46,500	40,500	140
145	74.0	427.0	53,800	46,000	40,100	53,800	46,000	40,100	145
150	73.4	425.3	53,000	45,600	39,800	53,000	45,600	39,800	150
155	72.7	423.5	52,200	45,100	39,400	52,200	45,100	39,400	155
160	72.0	421.6	51,600	44,700	39,100	51,600	44,700	39,100	160
165	71.3	419.7	50,800	44,300	38,800	50,800	44,300	38,800	165
170	70.6	417.7	50,200	43,900	38,500	50,200	43,900	38,500	170
175	69.9	415.7	49,500	43,500	38,100	49,500	43,500	38,100	175
180	69.2	413.5	48,800	43,000	37,900	48,800	43,000	37,900	180
190	67.7	409.1	47,600	42,200	37,200	47,600	42,200	37,200	190
200	66.3	404.3	46,400	41,300	36,600	46,400	41,300	36,600	200
210	64.8	399.2	45,300	40,000	35,000	45,300	40,500	36,100	210
220	63.3	393.7	37,900	33,100	28,600	44,100	39,600	35,500	220
230	61.8	387.9	31,200	26,800	22,700	43,100	38,800	34,900	230
240	60.3	381.8	25,000	21,000	17,300	42,000	37,900	34,400	240
250	58.7	375.3	19,300	15,700	12,300	41,000	37,100	33,800	250
260	57.2	368.4	14,000	10,700	7,600	39,900	36,400	33,300	260
270	55.5	361.0	9,100			38,600	35,700	32,700	270
280	53.9	353.2				37,300	35,000	32,100	280
290	52.2	345.0				36,200	34,300	31,600	290
300	50.5	336.2				35,100	33,600	31,000	300
310	48.7	326.9				34,000	33,000	30,500	310
320	46.8	316.9				33,100	32,500	30,000	320
330	44.9	306.3				32,100	31,800	29,500	330
340	43.0	294.9				31,300	30,900	28,900	340
350	40.9	282.7				28,600	27,900	25,600	350
360	38.8	269.6				25,300	24,600	22,500	360
370	36.5	255.3				22,200	21,500	19,600	370
380	34.1	239.7				19,200	18,600	16,800	380
390	31.5	222.5				16,300	15,700	14,100	390
400	28.7	203.3				13,500	13,000	11,500	400
410	25.5	181.3				10,200	10,400	9,100	410
420	21.9	155.4				6,900	7,900	6,700	420

MLC650 VPC-MAX S-1

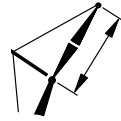


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
80									80
85									85
90									90
95	82.8	437.2	52,600			52,600			95
100	82.1	436.1	52,000			52,000			100
105	81.4	435.0	51,300			51,300			105
110	80.7	433.8	50,600			50,600			110
115	80.1	432.5	50,000			50,000			115
120	79.4	431.1	49,400			49,400			120
125	78.7	429.7	48,800			48,800			125
130	78.0	428.3	48,200			48,200			130
135	77.3	426.8	47,400			47,400			135
140	76.6	425.2	46,500			46,500			140
145	75.9	423.5	45,500			45,500			145
150	75.2	421.8	44,600			44,600			150
155	74.5	420.0	43,700			43,700			155
160	73.8	418.1	42,900			42,900			160
165	73.1	416.2	42,100			42,100			165
170	72.4	414.2	41,300			41,300			170
175	71.7	412.1	40,600			40,600			175
180	71.0	409.9	39,900			39,900			180
190	69.6	405.4	38,500			38,500			190
200	68.1	400.6	37,200			37,200			200
210	66.6	395.4	36,000			36,000			210
220	65.1	389.9	34,900			34,900			220
230	63.6	384.1	33,800			33,800			230
240	62.1	377.9	30,300			32,900			240
250	60.5	371.3	24,300			31,900			250
260	58.9	364.3	18,700			31,000			260
270	57.3	356.9	13,500			30,200			270
280	55.6	349.0	8,600			29,400			280
290	53.9	340.6				28,600			290
300	52.1	331.7				27,900			300
310	50.3	322.3				27,300			310
320	48.4	312.2				26,700			320
330	46.5	301.4				26,100			330
340	44.5	289.8				25,500			340
350	42.4	277.4				25,000			350
360	40.2	264.0				24,500			360
370	37.9	249.3				23,600			370
380	35.4	233.3				20,400			380
390	32.7	215.6				17,400			390
400	29.8	195.6				14,400			400
410	26.5	172.6				11,100			410
420									420

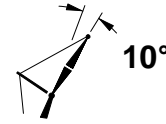
MLC650 VPC-MAX S-1



144.4 ft



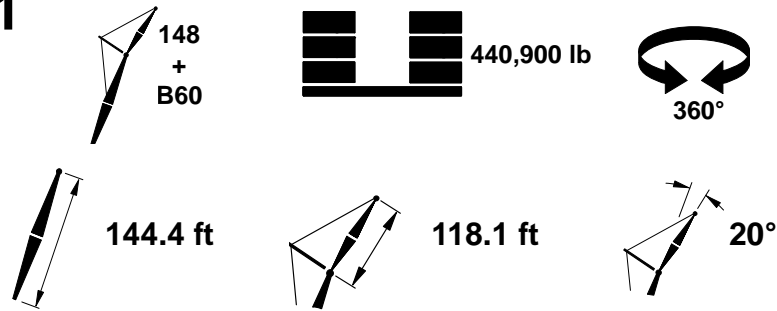
118.1 ft



10°

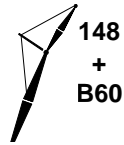
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
65	82.3	265.9	50,100b			50,100b			65
70	81.2	264.6	48,700b	41,400b		48,700b	41,400b		70
75	80.1	263.3	47,300	40,500	35,100	47,300	40,500	35,100	75
80	78.9	261.9	45,900	39,600	34,500	45,900	39,600	34,500	80
85	77.8	260.3	44,600	38,700	33,900	44,600	38,700	33,900	85
90	76.6	258.7	43,300	37,900	33,300	43,300	37,900	33,300	90
95	75.5	256.9	42,000	36,900	32,600	42,000	36,900	32,600	95
100	74.3	255.0	40,900	36,100	32,000	40,900	36,100	32,000	100
105	73.1	253.0	39,700	35,300	31,400	39,700	35,300	31,400	105
110	72.0	250.9	38,600	34,400	30,700	38,600	34,400	30,700	110
115	70.8	248.7	37,500	33,500	30,100	37,500	33,500	30,100	115
120	69.6	246.3	36,500	32,800	29,500	36,500	32,800	29,500	120
125	68.3	243.8	35,500	32,000	28,900	35,500	32,000	28,900	125
130	67.1	241.1	34,500	31,300	28,300	34,500	31,300	28,300	130
135	65.9	238.4	33,600	30,500	27,700	33,600	30,500	27,700	135
140	64.6	235.4	32,700	29,800	27,100	32,700	29,800	27,100	140
145	63.3	232.4	31,800	29,100	26,600	31,800	29,100	26,600	145
150	62.0	229.1	31,000	28,400	26,000	31,000	28,400	26,000	150
155	60.7	225.7	30,200	27,800	25,500	30,200	27,800	25,500	155
160	59.4	222.2	29,400	27,100	25,000	29,400	27,100	25,000	160
165	58.0	218.4	28,600	26,500	24,500	28,600	26,500	24,500	165
170	56.6	214.5	27,900	26,000	24,000	27,900	26,000	24,000	170
175	55.2	210.3	27,300	25,400	23,500	27,300	25,400	23,500	175
180	53.7	206.0	26,600	24,800	23,000	26,600	24,800	23,000	180
190	50.7	196.6	25,400	23,700	22,100	25,400	23,700	22,100	190
200	47.6	186.1	24,300	22,800	21,300	24,300	22,800	21,300	200
210	44.2	174.3	23,200	21,800	20,500	23,200	21,800	20,500	210
220	40.6	161.0	22,300	20,900	19,800	22,300	20,900	19,800	220
230	36.6	145.6	21,400	20,200	19,100	21,400	20,200	19,100	230
240	32.0	127.4	20,700	19,500	18,500	20,700	19,500	18,500	240
250	26.6	104.7	20,100	18,900	18,000	20,100	18,900	18,000	250
260	19.3	72.9	19,500	18,600	17,700	19,500	18,600	17,700	260

MLC650 VPC-MAX S-1

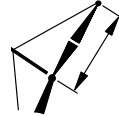


ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
65									65
70									70
75									75
80	82.9	258.8	40,000b			40,000b			80
85	81.7	257.3	38,900b	34,600b		38,900b	34,600b		85
90	80.6	255.6	37,800	33,800		37,800	33,800	30,300	90
95	79.4	253.8	36,800	33,000	29,700	36,800	33,000	29,700	95
100	78.2	251.9	35,900	32,300	29,100	35,900	32,300	29,100	100
105	77.0	249.9	34,900	31,500	28,500	34,900	31,500	28,500	105
110	75.8	247.7	34,000	30,800	28,000	34,000	30,800	28,000	110
115	74.6	245.4	33,100	30,100	27,400	33,100	30,100	27,400	115
120	73.4	243.0	32,300	29,400	26,900	32,300	29,400	26,900	120
125	72.2	240.5	31,400	28,800	26,400	31,400	28,800	26,400	125
130	70.9	237.8	30,600	28,200	25,900	30,600	28,200	25,900	130
135	69.6	235.0	29,600	27,600	25,300	29,600	27,600	25,300	135
140	68.4	232.0	28,700	27,000	24,900	28,700	27,000	24,900	140
145	67.1	228.9	27,800	26,400	24,400	27,800	26,400	24,400	145
150	65.7	225.6	27,000	25,800	23,900	27,000	25,800	23,900	150
155	64.4	222.2	26,200	25,300	23,500	26,200	25,300	23,500	155
160	63.0	218.6	25,500	24,800	23,100	25,500	24,800	23,100	160
165	61.7	214.8	24,800	24,200	22,600	24,800	24,200	22,600	165
170	60.2	210.7	24,200	23,800	22,200	24,200	23,800	22,200	170
175	58.8	206.5	23,600	23,300	21,800	23,600	23,300	21,800	175
180	57.3	202.1	22,900	22,700	21,400	22,900	22,700	21,400	180
190	54.3	192.5	21,800	21,600	20,700	21,800	21,600	20,700	190
200	51.0	181.7	20,800	20,700	20,000	20,800	20,700	20,000	200
210	47.6	169.6	19,900	19,800	19,400	19,900	19,800	19,400	210
220	43.8	155.9	19,100	19,000	18,800	19,100	19,000	18,800	220
230	39.6	139.9	18,400	18,200	18,100	18,400	18,200	18,100	230
240	34.9	120.7	17,700	17,600	17,500	17,700	17,600	17,500	240
250	29.0	96.3	17,200	17,100	17,000	17,200	17,100	17,000	250
260									260

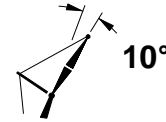
MLC650 VPC-MAX S-1



164.0 ft



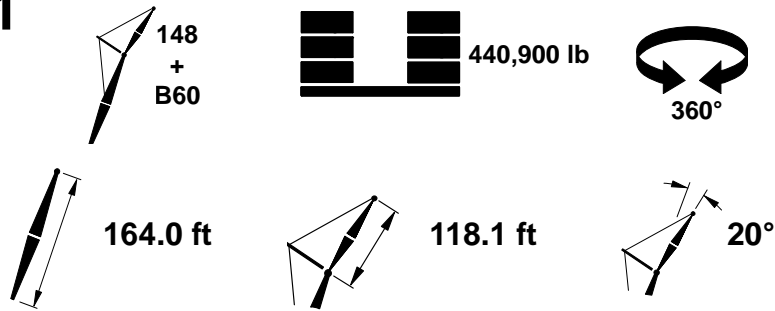
118.1 ft



10°

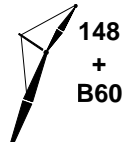
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
65	82.9	285.9	50,600			50,600			65
70	81.8	284.8	49,300	41,800		49,300	41,800		70
75	80.8	283.6	48,000	41,000	35,400	48,000	41,000	35,400	75
80	79.7	282.3	46,700	40,200	34,800	46,700	40,200	34,800	80
85	78.7	280.8	45,500	39,300	34,300	45,500	39,300	34,300	85
90	77.6	279.3	44,300	38,500	33,600	44,300	38,500	33,600	90
95	76.5	277.7	43,100	37,700	33,100	43,100	37,700	33,100	95
100	75.5	275.9	42,000	36,800	32,500	42,000	36,800	32,500	100
105	74.4	274.1	40,900	36,100	31,900	40,900	36,100	31,900	105
110	73.3	272.1	39,800	35,300	31,400	39,800	35,300	31,400	110
115	72.2	270.1	38,800	34,400	30,800	38,800	34,400	30,800	115
120	71.1	267.9	37,700	33,700	30,200	37,700	33,700	30,200	120
125	70.0	265.6	36,800	33,000	29,700	36,800	33,000	29,700	125
130	68.9	263.2	35,900	32,200	29,100	35,900	32,200	29,100	130
135	67.7	260.7	35,000	31,600	28,500	35,000	31,600	28,500	135
140	66.6	258.0	34,100	30,800	28,000	34,100	30,800	28,000	140
145	65.4	255.2	33,200	30,200	27,500	33,200	30,200	27,500	145
150	64.2	252.3	32,400	29,500	26,900	32,400	29,500	26,900	150
155	63.0	249.2	31,700	28,900	26,400	31,700	28,900	26,400	155
160	61.8	246.0	30,800	28,300	25,900	30,800	28,300	25,900	160
165	60.6	242.7	30,200	27,700	25,400	30,200	27,700	25,400	165
170	59.4	239.1	29,400	27,100	25,000	29,400	27,100	25,000	170
175	58.1	235.4	28,700	26,500	24,500	28,700	26,500	24,500	175
180	56.8	231.6	28,100	26,000	24,000	28,100	26,000	24,000	180
190	54.2	223.3	26,800	25,000	23,100	26,800	25,000	23,100	190
200	51.4	214.2	25,700	24,000	22,300	25,700	24,000	22,300	200
210	48.6	204.1	24,600	23,000	21,500	24,600	23,000	21,500	210
220	45.5	193.0	23,600	22,100	20,800	23,600	22,100	20,800	220
230	42.3	180.5	22,700	21,300	20,100	22,700	21,300	20,100	230
240	38.8	166.4	21,900	20,600	19,400	21,900	20,600	19,400	240
250	34.9	150.2	21,100	19,900	18,800	21,100	19,900	18,800	250
260	30.5	131.1	20,500	19,300	18,300	20,500	19,300	18,300	260
270	25.2	107.2	20,000	18,900	17,900	20,000	18,900	17,900	270
280	18.1	73.5	19,300	18,500	17,600	19,300	18,500	17,600	280

MLC650 VPC-MAX S-1

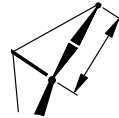


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
65									65
70									70
75									75
80									80
85	82.4	277.6	39,400			39,400			85
90	81.3	276.1	38,400	34,200		38,400	34,200		90
95	80.2	274.4	37,500	33,400	30,000	37,500	33,400	30,000	95
100	79.1	272.7	36,500	32,800	29,400	36,500	32,800	29,400	100
105	78.0	270.8	35,700	32,100	29,000	35,700	32,100	29,000	105
110	76.9	268.8	34,800	31,400	28,400	34,800	31,400	28,400	110
115	75.8	266.7	33,900	30,700	27,900	33,900	30,700	27,900	115
120	74.7	264.5	33,100	30,100	27,400	33,100	30,100	27,400	120
125	73.5	262.2	32,400	29,500	26,900	32,400	29,500	26,900	125
130	72.4	259.8	31,600	28,900	26,400	31,600	28,900	26,400	130
135	71.2	257.2	30,800	28,300	25,900	30,800	28,300	25,900	135
140	70.1	254.5	29,900	27,700	25,500	29,900	27,700	25,500	140
145	68.9	251.7	29,000	27,200	25,000	29,000	27,200	25,000	145
150	67.7	248.7	28,200	26,600	24,500	28,200	26,600	24,500	150
155	66.5	245.6	27,500	26,100	24,200	27,500	26,100	24,200	155
160	65.3	242.3	26,700	25,700	23,700	26,700	25,700	23,700	160
165	64.0	238.9	26,000	25,100	23,300	26,000	25,100	23,300	165
170	62.8	235.3	25,400	24,700	22,900	25,400	24,700	22,900	170
175	61.5	231.6	24,800	24,200	22,500	24,800	24,200	22,500	175
180	60.2	227.6	24,200	23,800	22,200	24,200	23,800	22,200	180
190	57.5	219.2	23,000	22,800	21,500	23,000	22,800	21,500	190
200	54.7	209.9	22,000	21,800	20,800	22,000	21,800	20,800	200
210	51.7	199.6	21,000	20,900	20,200	21,000	20,900	20,200	210
220	48.6	188.2	20,200	20,000	19,500	20,200	20,000	19,500	220
230	45.3	175.4	19,400	19,300	19,000	19,400	19,300	19,000	230
240	41.7	160.8	18,700	18,600	18,500	18,700	18,600	18,500	240
250	37.6	143.9	18,100	18,000	17,900	18,100	18,000	17,900	250
260	33.0	123.7	17,500	17,400	17,300	17,500	17,400	17,300	260
270	27.3	97.8	17,100	17,000	16,900	17,100	17,000	16,900	270
280									280

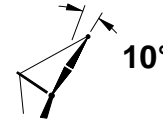
MLC650 VPC-MAX S-1



183.7 ft



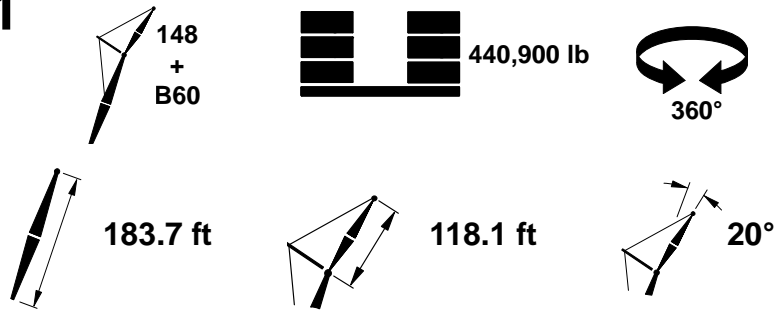
118.1 ft



10°

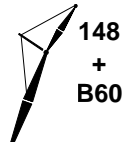
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70	82.4	304.9	49,900			49,900			70
75	81.4	303.8	48,700	41,300		48,700	41,300		75
80	80.4	302.5	47,500	40,600	35,100	47,500	40,600	35,100	80
85	79.4	301.2	46,300	39,800	34,600	46,300	39,800	34,600	85
90	78.5	299.8	45,200	39,100	34,000	45,200	39,100	34,000	90
95	77.5	298.3	44,100	38,300	33,500	44,100	38,300	33,500	95
100	76.5	296.7	43,000	37,500	33,000	43,000	37,500	33,000	100
105	75.5	295.0	41,900	36,800	32,400	41,900	36,800	32,400	105
110	74.5	293.2	40,900	36,000	31,900	40,900	36,000	31,900	110
115	73.4	291.3	39,900	35,300	31,400	39,900	35,300	31,400	115
120	72.4	289.2	39,000	34,600	30,800	39,000	34,600	30,800	120
125	71.4	287.1	37,900	33,800	30,300	37,900	33,800	30,300	125
130	70.3	284.9	37,100	33,200	29,800	37,100	33,200	29,800	130
135	69.3	282.6	36,200	32,500	29,200	36,200	32,500	29,200	135
140	68.2	280.1	35,300	31,800	28,700	35,300	31,800	28,700	140
145	67.2	277.6	34,600	31,200	28,200	34,600	31,200	28,200	145
150	66.1	274.9	33,700	30,500	27,800	33,700	30,500	27,800	150
155	65.0	272.1	33,000	30,000	27,200	33,000	30,000	27,200	155
160	63.9	269.2	32,200	29,300	26,700	32,200	29,300	26,700	160
165	62.8	266.1	31,500	28,700	26,300	31,500	28,700	26,300	165
170	61.7	262.9	30,700	28,200	25,800	30,700	28,200	25,800	170
175	60.5	259.6	30,100	27,600	25,400	30,100	27,600	25,400	175
180	59.4	256.1	29,400	27,100	24,900	29,400	27,100	24,900	180
190	57.0	248.7	28,100	26,100	24,000	28,100	26,100	24,000	190
200	54.6	240.6	27,000	25,100	23,200	27,000	25,100	23,200	200
210	52.0	231.7	25,900	24,200	22,500	25,900	24,200	22,500	210
220	49.4	222.0	24,900	23,300	21,700	24,900	23,300	21,700	220
230	46.6	211.4	23,900	22,400	21,000	23,900	22,400	21,000	230
240	43.7	199.6	23,100	21,700	20,400	23,100	21,700	20,400	240
250	40.5	186.4	22,300	20,900	19,800	22,300	20,900	19,800	250
260	37.1	171.6	21,600	20,300	19,100	21,600	20,300	19,100	260
270	33.4	154.6	20,900	19,700	18,600	20,900	19,700	18,600	270
280	29.1	134.5	20,300	19,200	18,200	20,300	19,200	18,200	280
290	24.0	109.5	19,800	18,800	17,800	19,800	18,800	17,800	290

MLC650 VPC-MAX S-1

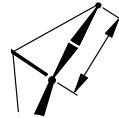


ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
70									70
75									75
80									80
85	82.9	297.9	39,900			39,900			85
90	81.9	296.4	38,900	34,600		38,900	34,600		90
95	80.9	294.9	38,000	33,800	30,300	38,000	33,800	30,300	95
100	79.9	293.3	37,100	33,200	29,700	37,100	33,200	29,700	100
105	78.8	291.5	36,300	32,600	29,300	36,300	32,600	29,300	105
110	77.8	289.7	35,500	31,900	28,800	35,500	31,900	28,800	110
115	76.8	287.8	34,600	31,300	28,300	34,600	31,300	28,300	115
120	75.8	285.7	33,800	30,700	27,900	33,800	30,700	27,900	120
125	74.7	283.6	33,200	30,100	27,400	33,200	30,100	27,400	125
130	73.7	281.4	32,400	29,600	26,900	32,400	29,600	26,900	130
135	72.6	279.0	31,700	29,000	26,500	31,700	29,000	26,500	135
140	71.5	276.5	31,000	28,400	26,000	31,000	28,400	26,000	140
145	70.5	273.9	30,200	27,900	25,600	30,200	27,900	25,600	145
150	69.4	271.2	29,300	27,400	25,200	29,300	27,400	25,200	150
155	68.3	268.4	28,600	26,900	24,800	28,600	26,900	24,800	155
160	67.1	265.4	27,900	26,400	24,300	27,900	26,400	24,300	160
165	66.0	262.3	27,100	25,900	24,000	27,100	25,900	24,000	165
170	64.9	259.0	26,500	25,500	23,500	26,500	25,500	23,500	170
175	63.7	255.7	25,900	25,000	23,200	25,900	25,000	23,200	175
180	62.5	252.1	25,300	24,600	22,800	25,300	24,600	22,800	180
190	60.1	244.6	24,100	23,700	22,200	24,100	23,700	22,200	190
200	57.6	236.3	23,000	22,900	21,500	23,000	22,900	21,500	200
210	55.1	227.3	22,100	22,000	20,900	22,100	22,000	20,900	210
220	52.4	217.4	21,200	21,100	20,200	21,200	21,100	20,200	220
230	49.5	206.5	20,400	20,300	19,700	20,400	20,300	19,700	230
240	46.5	194.4	19,700	19,500	19,200	19,700	19,500	19,200	240
250	43.3	180.8	19,000	18,900	18,800	19,000	18,900	18,800	250
260	39.8	165.5	18,400	18,300	18,200	18,400	18,300	18,200	260
270	35.8	147.8	17,900	17,700	17,600	17,900	17,700	17,600	270
280	31.3	126.5	17,400	17,300	17,200	17,400	17,300	17,200	280
290									290

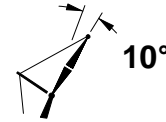
MLC650 VPC-MAX S-1



203.4 ft



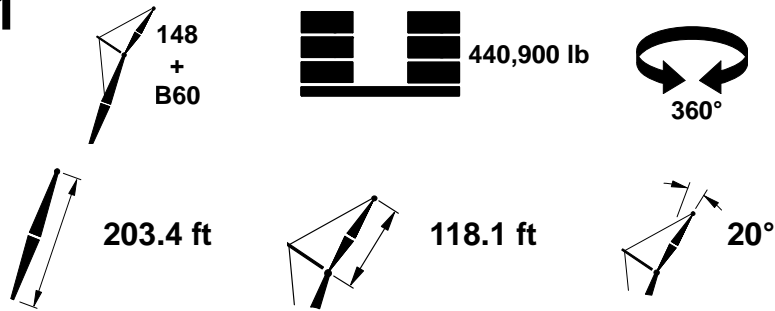
118.1 ft



10°

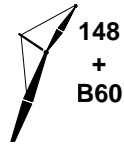
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70	82.8	325.0	50,400			50,400			70
75	81.9	323.9	49,200	41,600		49,200	41,600		75
80	81.0	322.8	48,100	40,900		48,100	40,900		80
85	80.1	321.5	47,000	40,200	34,800	47,000	40,200	34,800	85
90	79.2	320.2	45,900	39,500	34,300	45,900	39,500	34,300	90
95	78.3	318.8	44,900	38,800	33,800	44,900	38,800	33,800	95
100	77.3	317.3	43,800	38,100	33,300	43,800	38,100	33,300	100
105	76.4	315.7	42,800	37,400	32,800	42,800	37,400	32,800	105
110	75.4	314.0	41,800	36,700	32,300	41,800	36,700	32,300	110
115	74.5	312.2	40,900	36,000	31,800	40,900	36,000	31,800	115
120	73.6	310.4	39,900	35,300	31,400	39,900	35,300	31,400	120
125	72.6	308.4	39,000	34,600	30,800	39,000	34,600	30,800	125
130	71.6	306.3	38,100	34,000	30,300	38,100	34,000	30,300	130
135	70.7	304.2	37,300	33,300	29,900	37,300	33,300	29,900	135
140	69.7	301.9	36,500	32,600	29,300	36,500	32,600	29,300	140
145	68.7	299.5	35,700	32,100	28,900	35,700	32,100	28,900	145
150	67.7	297.1	34,900	31,500	28,400	34,900	31,500	28,400	150
155	66.7	294.5	34,100	30,800	27,900	34,100	30,800	27,900	155
160	65.7	291.8	33,400	30,300	27,500	33,400	30,300	27,500	160
165	64.7	289.0	32,600	29,700	27,000	32,600	29,700	27,000	165
170	63.6	286.1	32,000	29,200	26,500	32,000	29,200	26,500	170
175	62.6	283.0	31,300	28,600	26,200	31,300	28,600	26,200	175
180	61.5	279.8	30,700	28,100	25,700	30,700	28,100	25,700	180
190	59.4	273.1	29,300	27,100	24,900	29,300	27,100	24,900	190
200	57.2	265.7	28,200	26,100	24,100	28,200	26,100	24,100	200
210	54.9	257.8	27,100	25,200	23,300	27,100	25,200	23,300	210
220	52.5	249.1	26,100	24,300	22,600	26,100	24,300	22,600	220
230	50.1	239.7	25,100	23,500	21,900	25,100	23,500	21,900	230
240	47.5	229.5	24,300	22,700	21,200	24,300	22,700	21,200	240
250	44.9	218.3	23,400	21,900	20,600	23,400	21,900	20,600	250
260	42.0	205.9	22,600	21,300	20,000	22,600	21,300	20,000	260
270	39.0	192.1	21,900	20,600	19,500	21,900	20,600	19,500	270
280	35.7	176.6	20,500	19,100	17,900	21,300	20,000	18,900	280
290	32.1	158.8	16,600	15,400	14,300	20,700	19,500	18,400	290
300	27.9	137.8	12,900	11,900	11,000	20,200	19,100	18,000	300
310	22.9	111.6	9,300	8,500	7,700	19,700	18,700	17,800	310

MLC650 VPC-MAX S-1

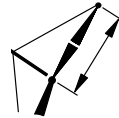


ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70									70
75									75
80									80
85									85
90	82.4	316.7	39,300			39,300			90
95	81.5	315.3	38,400			38,400			95
100	80.5	313.7	37,600			37,600			100
105	79.6	312.1	36,800			36,800			105
110	78.6	310.4	36,000			36,000			110
115	77.7	308.6	35,300			35,300			115
120	76.7	306.7	34,500			34,500			120
125	75.7	304.8	33,800			33,800			125
130	74.8	302.7	33,100			33,100			130
135	73.8	300.5	32,500			32,500			135
140	72.8	298.2	31,800			31,800			140
145	71.8	295.8	31,100			31,100			145
150	70.8	293.3	30,400			30,400			150
155	69.8	290.7	29,600			29,600			155
160	68.7	287.9	28,900			28,900			160
165	67.7	285.1	28,200			28,200			165
170	66.6	282.1	27,500			27,500			170
175	65.6	279.0	26,900			26,900			175
180	64.5	275.8	26,300			26,300			180
190	62.3	268.9	25,100			25,100			190
200	60.1	261.5	24,100			24,100			200
210	57.8	253.4	23,100			23,100			210
220	55.4	244.6	22,200			22,200			220
230	52.9	235.0	21,400			21,400			230
240	50.3	224.5	20,600			20,600			240
250	47.5	213.0	19,900			19,900			250
260	44.6	200.3	19,300			19,300			260
270	41.5	186.1	18,700			18,700			270
280	38.1	170.0	18,100			18,100			280
290	34.2	151.4	17,700			17,700			290
300	29.8	129.1	14,200			17,300			300
310									310

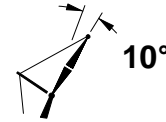
MLC650 VPC-MAX S-1



223.1 ft



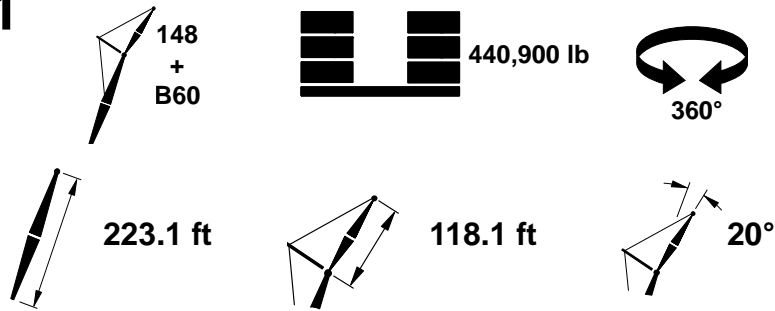
118.1 ft



10°

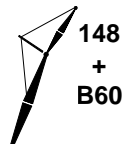
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
75	82.4	344.0	49,600			49,600			75
80	81.6	342.9	48,500	41,100		48,500	41,100		80
85	80.7	341.7	47,600	40,400	34,900	47,600	40,400	34,900	85
90	79.8	340.5	46,500	39,800	34,400	46,500	39,800	34,400	90
95	79.0	339.2	45,500	39,100	34,000	45,500	39,100	34,000	95
100	78.1	337.8	44,500	38,500	33,500	44,500	38,500	33,500	100
105	77.2	336.3	43,600	37,800	33,100	43,600	37,800	33,100	105
110	76.3	334.7	42,700	37,200	32,600	42,700	37,200	32,600	110
115	75.4	333.0	41,800	36,500	32,200	41,800	36,500	32,200	115
120	74.5	331.3	40,800	35,900	31,700	40,800	35,900	31,700	120
125	73.7	329.5	40,000	35,200	31,200	40,000	35,200	31,200	125
130	72.8	327.5	39,100	34,600	30,700	39,100	34,600	30,700	130
135	71.8	325.5	38,200	34,000	30,300	38,200	34,000	30,300	135
140	70.9	323.4	37,500	33,400	29,900	37,500	33,400	29,900	140
145	70.0	321.2	36,600	32,800	29,400	36,600	32,800	29,400	145
150	69.1	318.9	35,900	32,200	28,900	35,900	32,200	28,900	150
155	68.2	316.5	35,200	31,600	28,500	35,200	31,600	28,500	155
160	67.2	314.0	34,500	31,100	28,100	34,500	31,100	28,100	160
165	66.3	311.4	33,800	30,500	27,600	33,800	30,500	27,600	165
170	65.3	308.7	33,100	30,000	27,300	33,100	30,000	27,300	170
175	64.4	305.9	32,400	29,500	26,800	32,400	29,500	26,800	175
180	63.4	302.9	31,800	29,000	26,400	31,800	29,000	26,400	180
190	61.4	296.7	30,500	28,000	25,600	30,500	28,000	25,600	190
200	59.4	290.0	29,300	27,000	24,800	29,300	27,000	24,800	200
210	57.3	282.8	28,300	26,100	24,100	28,300	26,100	24,100	210
220	55.2	275.0	27,300	25,200	23,400	27,300	25,200	23,400	220
230	53.0	266.5	26,300	24,400	22,700	26,300	24,400	22,700	230
240	50.7	257.4	25,400	23,600	22,000	25,400	23,600	22,000	240
250	48.3	247.5	24,500	22,900	21,400	24,500	22,900	21,400	250
260	45.9	236.7	23,700	22,200	20,800	23,700	22,200	20,800	260
270	43.3	224.9	22,700	20,900	19,300	22,900	21,500	20,200	270
280	40.5	211.9	18,600	17,100	15,600	22,300	20,900	19,700	280
290	37.6	197.5	14,800	13,400	12,100	21,600	20,300	19,200	290
300	34.4	181.4	11,200	10,000	8,800	21,000	19,800	18,700	300
310	30.8	162.8	7,700	6,700		20,500	19,300	18,300	310
320	26.8	140.9				20,100	19,000	18,000	320
330	21.9	113.6				19,600	18,700	17,700	330

MLC650 VPC-MAX S-1

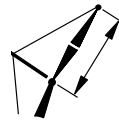


ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
75									75
80									80
85									85
90	82.9	336.9	39,600			39,600			90
95	82.0	335.6	38,900	34,400		38,900	34,400		95
100	81.1	334.1	38,000	33,900		38,000	33,900		100
105	80.2	332.6	37,300	33,200	29,700	37,300	33,200	29,700	105
110	79.3	331.0	36,500	32,700	29,300	36,500	32,700	29,300	110
115	78.4	329.4	35,800	32,100	28,900	35,800	32,100	28,900	115
120	77.5	327.6	35,100	31,600	28,500	35,100	31,600	28,500	120
125	76.6	325.7	34,400	31,000	28,100	34,400	31,000	28,100	125
130	75.7	323.8	33,800	30,500	27,700	33,800	30,500	27,700	130
135	74.8	321.7	33,100	30,000	27,300	33,100	30,000	27,300	135
140	73.9	319.6	32,500	29,500	26,800	32,500	29,500	26,800	140
145	72.9	317.4	31,900	29,100	26,500	31,900	29,100	26,500	145
150	72.0	315.0	31,200	28,600	26,100	31,200	28,600	26,100	150
155	71.1	312.6	30,600	28,100	25,700	30,600	28,100	25,700	155
160	70.1	310.1	29,900	27,700	25,400	29,900	27,700	25,400	160
165	69.1	307.4	29,200	27,200	25,000	29,200	27,200	25,000	165
170	68.2	304.7	28,500	26,800	24,600	28,500	26,800	24,600	170
175	67.2	301.8	27,900	26,300	24,300	27,900	26,300	24,300	175
180	66.2	298.9	27,200	26,000	23,900	27,200	26,000	23,900	180
190	64.2	292.6	26,100	25,200	23,300	26,100	25,200	23,300	190
200	62.2	285.8	25,000	24,400	22,700	25,000	24,400	22,700	200
210	60.0	278.4	24,100	23,700	22,100	24,100	23,700	22,100	210
220	57.9	270.5	23,100	23,000	21,500	23,100	23,000	21,500	220
230	55.6	261.9	22,300	22,100	20,900	22,300	22,100	20,900	230
240	53.3	252.5	21,500	21,400	20,400	21,500	21,400	20,400	240
250	50.9	242.4	20,800	20,700	20,000	20,800	20,700	20,000	250
260	48.4	231.4	20,100	20,000	19,500	20,100	20,000	19,500	260
270	45.7	219.3	19,500	19,300	19,000	19,500	19,300	19,000	270
280	42.9	206.0	18,900	18,800	18,000	18,900	18,800	18,700	280
290	39.8	191.1	17,000	15,600	14,200	18,400	18,300	18,200	290
300	36.5	174.3	13,100	11,800	10,600	17,900	17,800	17,700	300
310	32.8	154.9	9,300	8,200	7,100	17,500	17,400	17,300	310
320	28.5	131.6				17,200	17,100	16,900	320
330									330

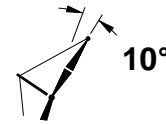
MLC650 VPC-MAX S-1



242.8 ft



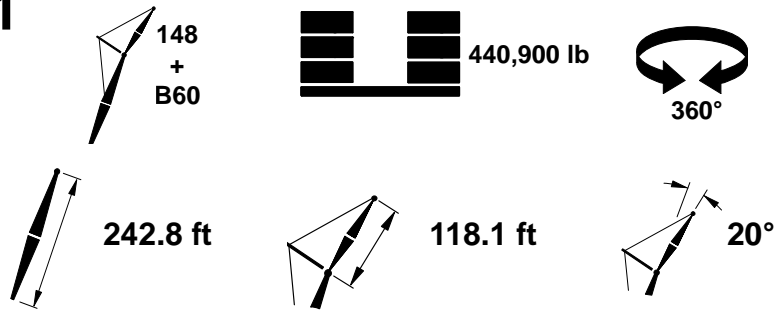
118.1 ft



10°

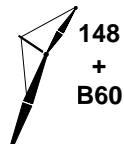
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
75	82.8	364.0	49,900			49,900			75
80	82.0	363.0	49,000			49,000			80
85	81.2	361.9	48,000	40,600		48,000	40,600		85
90	80.4	360.7	47,100	40,000	34,600	47,100	40,000	34,600	90
95	79.6	359.5	46,100	39,400	34,100	46,100	39,400	34,100	95
100	78.8	358.2	45,200	38,800	33,700	45,200	38,800	33,700	100
105	77.9	356.8	44,200	38,200	33,200	44,200	38,200	33,200	105
110	77.1	355.3	43,400	37,600	32,900	43,400	37,600	32,900	110
115	76.3	353.7	42,500	37,000	32,400	42,500	37,000	32,400	115
120	75.4	352.1	41,700	36,300	32,000	41,700	36,300	32,000	120
125	74.6	350.3	40,800	35,800	31,600	40,800	35,800	31,600	125
130	73.7	348.5	40,000	35,200	31,200	40,000	35,200	31,200	130
135	72.9	346.7	39,200	34,600	30,700	39,200	34,600	30,700	135
140	72.0	344.7	38,400	34,000	30,300	38,400	34,000	30,300	140
145	71.2	342.6	37,600	33,500	29,800	37,600	33,500	29,800	145
150	70.3	340.5	36,900	32,900	29,500	36,900	32,900	29,500	150
155	69.4	338.2	36,200	32,400	29,000	36,200	32,400	29,000	155
160	68.6	335.9	35,500	31,800	28,600	35,500	31,800	28,600	160
165	67.7	333.5	34,800	31,300	28,200	34,800	31,300	28,200	165
170	66.8	330.9	34,100	30,800	27,800	34,100	30,800	27,800	170
175	65.9	328.3	33,500	30,300	27,400	33,500	30,300	27,400	175
180	65.0	325.6	32,900	29,800	27,000	32,900	29,800	27,000	180
190	63.2	319.8	31,600	28,800	26,200	31,600	28,800	26,200	190
200	61.3	313.6	30,400	27,900	25,500	30,400	27,900	25,500	200
210	59.4	307.0	29,300	27,000	24,800	29,300	27,000	24,800	210
220	57.4	299.8	28,300	26,100	24,100	28,300	26,100	24,100	220
230	55.4	292.1	27,300	25,300	23,400	27,300	25,300	23,400	230
240	53.4	283.8	26,500	24,500	22,800	26,500	24,500	22,800	240
250	51.2	274.9	25,600	23,800	22,100	25,600	23,800	22,100	250
260	49.0	265.3	22,800	20,600	18,600	24,700	23,100	21,600	260
270	46.7	254.9	18,500	16,500	14,700	23,900	22,500	21,000	270
280	44.3	243.6	14,400	12,700	11,000	23,300	21,800	20,500	280
290	41.8	231.3	10,600	9,000	7,500	22,600	21,200	19,900	290
300	39.1	217.7	7,000			22,000	20,700	19,500	300
310	36.3	202.7				21,400	20,100	19,000	310
320	33.2	185.9				20,800	19,600	18,500	320
330	29.7	166.6				20,400	19,200	18,200	330
340	25.8	143.9				19,900	18,800	17,900	340
350	21.0	115.4				19,600	18,600	17,600	350

MLC650 VPC-MAX S-1

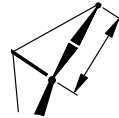


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
75									75
80									80
85									85
90									90
95	82.4	355.8	39,200			39,200			95
100	81.6	354.4	38,400			38,400			100
105	80.8	353.0	37,700			37,700			105
110	79.9	351.5	37,000			37,000			110
115	79.1	349.9	36,300			36,300			115
120	78.2	348.3	35,600			35,600			120
125	77.4	346.5	34,900			34,900			125
130	76.5	344.7	34,300			34,300			130
135	75.7	342.8	33,700			33,700			135
140	74.8	340.8	33,100			33,100			140
145	73.9	338.7	32,500			32,500			145
150	73.1	336.5	31,900			31,900			150
155	72.2	334.3	31,400			31,400			155
160	71.3	331.9	30,800			30,800			160
165	70.4	329.5	30,100			30,100			165
170	69.5	326.9	29,400			29,400			170
175	68.6	324.2	28,800			28,800			175
180	67.7	321.5	28,200			28,200			180
190	65.8	315.6	27,100			27,100			190
200	63.9	309.4	25,900			25,900			200
210	62.0	302.6	25,000			25,000			210
220	60.0	295.3	24,100			24,100			220
230	58.0	287.5	23,200			23,200			230
240	55.9	279.1	22,400			22,400			240
250	53.7	270.0	21,700			21,700			250
260	51.5	260.2	21,000			21,000			260
270	49.1	249.6	20,300			20,300			270
280	46.7	238.0	17,400			19,700			280
290	44.1	225.4	13,300			19,200			290
300	41.3	211.4	9,400			18,700			300
310	38.4	195.9				18,200			310
320	35.1	178.4				17,700			320
330	31.5	158.2				17,400			330
340	27.3	133.9				17,100			340
350									350

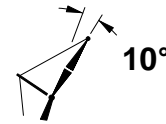
MLC650 VPC-MAX S-1



262.5 ft



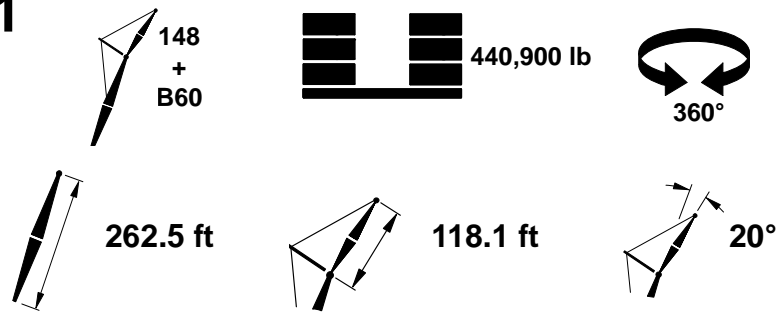
118.1 ft



10°

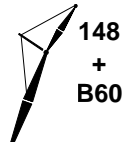
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
80	82.4	383.1	49,300			49,300			80
85	81.7	382.0	48,400	40,700		48,400	40,700		85
90	80.9	380.9	47,500	40,200	34,600	47,500	40,200	34,600	90
95	80.1	379.7	46,600	39,600	34,200	46,600	39,600	34,200	95
100	79.4	378.5	45,700	39,100	33,800	45,700	39,100	33,800	100
105	78.6	377.2	44,900	38,500	33,400	44,900	38,500	33,400	105
110	77.8	375.8	44,000	37,900	33,000	44,000	37,900	33,000	110
115	77.0	374.3	43,100	37,300	32,600	43,100	37,300	32,600	115
120	76.2	372.7	42,400	36,800	32,200	42,400	36,800	32,200	120
125	75.4	371.1	41,600	36,200	31,800	41,600	36,200	31,800	125
130	74.6	369.4	40,800	35,700	31,400	40,800	35,700	31,400	130
135	73.8	367.6	40,000	35,200	31,000	40,000	35,200	31,000	135
140	73.0	365.8	39,200	34,600	30,600	39,200	34,600	30,600	140
145	72.2	363.8	38,500	34,100	30,200	38,500	34,100	30,200	145
150	71.4	361.8	37,700	33,600	29,900	37,700	33,600	29,900	150
155	70.6	359.7	37,000	33,000	29,400	37,000	33,000	29,400	155
160	69.8	357.5	36,400	32,500	29,100	36,400	32,500	29,100	160
165	68.9	355.2	35,700	32,000	28,700	35,700	32,000	28,700	165
170	68.1	352.9	35,100	31,500	28,300	35,100	31,500	28,300	170
175	67.3	350.4	34,400	31,000	27,900	34,400	31,000	27,900	175
180	66.4	347.9	33,800	30,500	27,600	33,800	30,500	27,600	180
190	64.7	342.5	32,700	29,500	26,800	32,700	29,500	26,800	190
200	63.0	336.7	31,500	28,700	26,100	31,500	28,700	26,100	200
210	61.2	330.6	30,400	27,800	25,400	30,400	27,800	25,400	210
220	59.4	323.9	29,400	26,900	24,700	29,400	26,900	24,700	220
230	57.5	316.8	28,400	26,200	24,000	28,400	26,200	24,000	230
240	55.7	309.2	27,400	25,400	23,400	27,400	25,400	23,400	240
250	53.7	301.1	24,500	21,900	19,400	26,500	24,700	22,800	250
260	51.7	292.4	19,900	17,500	15,200	25,700	24,000	22,200	260
270	49.6	283.0	15,500	13,400	11,300	25,000	23,300	21,700	270
280	47.5	272.9	11,500	9,500	7,700	24,200	22,600	21,100	280
290	45.3	262.0	7,700			23,500	22,000	20,600	290
300	43.0	250.3				22,800	21,400	20,100	300
310	40.5	237.4				22,300	20,900	19,600	310
320	37.9	223.3				21,700	20,400	19,300	320
330	35.1	207.7				21,100	19,900	18,800	330
340	32.1	190.3				20,700	19,500	18,400	340
350	28.7	170.3				20,200	19,100	18,100	350
360	24.8	146.7				19,900	18,800	17,800	360
370	20.1	117.1				19,500	18,600	17,600	370

MLC650 VPC-MAX S-1

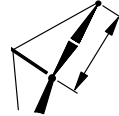


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
80									80
85									85
90									90
95	82.8	375.9	39,500			39,500			95
100	82.1	374.7	38,700			38,700			100
105	81.3	373.3	38,100			38,100			105
110	80.5	371.9	37,300			37,300			110
115	79.7	370.4	36,700			36,700			115
120	78.9	368.9	36,100			36,100			120
125	78.1	367.2	35,400			35,400			125
130	77.3	365.5	34,900			34,900			130
135	76.5	363.7	34,300			34,300			135
140	75.7	361.8	33,700			33,700			140
145	74.8	359.9	33,000			33,000			145
150	74.0	357.8	32,500			32,500			150
155	73.2	355.7	32,000			32,000			155
160	72.4	353.5	31,500			31,500			160
165	71.5	351.2	30,900			30,900			165
170	70.7	348.8	30,300			30,300			170
175	69.8	346.3	29,600			29,600			175
180	69.0	343.7	29,000			29,000			180
190	67.2	338.3	27,900			27,900			190
200	65.5	332.4	26,800			26,800			200
210	63.7	326.2	25,800			25,800			210
220	61.9	319.5	24,900			24,900			220
230	60.0	312.3	24,100			24,100			230
240	58.1	304.5	23,300			23,300			240
250	56.1	296.3	22,500			22,500			250
260	54.0	287.4	21,800			21,800			260
270	51.9	277.9	19,200			21,100			270
280	49.8	267.6	14,900			20,500			280
290	47.5	256.4	10,800			19,900			290
300	45.1	244.4	6,900			19,400			300
310	42.6	231.2				18,900			310
320	39.9	216.7				18,400			320
330	37.0	200.6				18,000			330
340	33.9	182.3				17,600			340
350	30.3	161.3				17,300			350
360									360
370									370

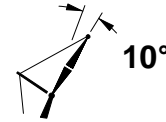
MLC650 VPC-MAX S-1



282.2 ft



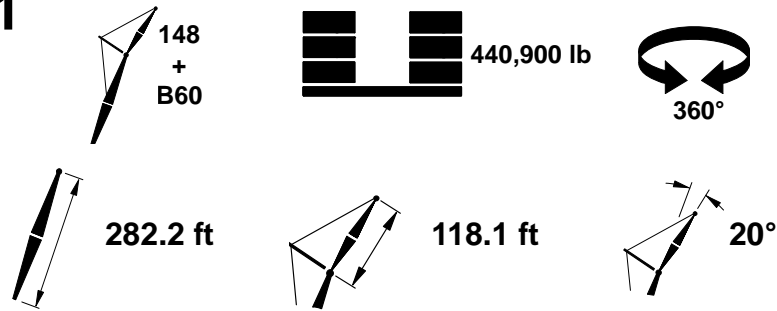
118.1 ft



10°

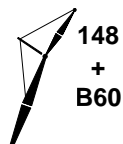
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
80	82.8	403.1	49,500			49,500			80
85	82.1	402.1	48,700			48,700			85
90	81.4	401.0	47,800	40,300		47,800	40,300		90
95	80.6	399.9	47,000	39,800	34,200	47,000	39,800	34,200	95
100	79.9	398.7	46,200	39,200	33,800	46,200	39,200	33,800	100
105	79.1	397.5	45,300	38,700	33,500	45,300	38,700	33,500	105
110	78.4	396.1	44,500	38,200	33,100	44,500	38,200	33,100	110
115	77.7	394.8	43,800	37,700	32,700	43,800	37,700	32,700	115
120	76.9	393.3	42,900	37,100	32,300	42,900	37,100	32,300	120
125	76.2	391.8	42,200	36,600	32,000	42,200	36,600	32,000	125
130	75.4	390.1	41,400	36,100	31,700	41,400	36,100	31,700	130
135	74.7	388.5	40,700	35,600	31,300	40,700	35,600	31,300	135
140	73.9	386.7	40,000	35,000	30,900	40,000	35,000	30,900	140
145	73.1	384.9	39,300	34,500	30,500	39,300	34,500	30,500	145
150	72.4	383.0	38,500	34,100	30,200	38,500	34,100	30,200	150
155	71.6	381.0	37,900	33,500	29,800	37,900	33,500	29,800	155
160	70.8	378.9	37,200	33,000	29,400	37,200	33,000	29,400	160
165	70.0	376.8	36,600	32,600	29,100	36,600	32,600	29,100	165
170	69.3	374.6	35,900	32,000	28,700	35,900	32,000	28,700	170
175	68.5	372.3	35,300	31,600	28,300	35,300	31,600	28,300	175
180	67.7	369.9	34,700	31,100	27,900	34,700	31,100	27,900	180
190	66.1	364.8	33,600	30,200	27,300	33,600	30,200	27,300	190
200	64.4	359.4	32,500	29,300	26,600	32,500	29,300	26,600	200
210	62.8	353.6	31,300	28,500	25,900	31,300	28,500	25,900	210
220	61.1	347.5	30,300	27,700	25,300	30,300	27,700	25,300	220
230	59.4	340.9	29,400	26,900	24,600	29,400	26,900	24,600	230
240	57.6	333.9	28,400	26,100	24,000	28,400	26,100	24,000	240
250	55.9	326.4	27,500	24,700	21,900	27,500	25,400	23,400	250
260	54.0	318.3	22,700	20,000	17,400	26,700	24,800	22,800	260
270	52.1	309.8	18,100	15,600	13,200	25,900	24,100	22,300	270
280	50.2	300.6	13,700	11,500	9,300	25,200	23,400	21,800	280
290	48.2	290.8	9,700	7,700		24,500	22,800	21,200	290
300	46.1	280.3				23,800	22,200	20,800	300
310	43.9	269.0				23,200	21,700	20,300	310
320	41.7	256.7				22,500	21,100	19,900	320
330	39.3	243.3				22,000	20,700	19,400	330
340	36.7	228.7				21,500	20,200	19,100	340
350	34.0	212.6				21,000	19,700	18,600	350
360	31.1	194.5				20,500	19,300	18,300	360
370	27.8	173.8				20,200	19,000	18,000	370
380	24.0	149.3				19,800	18,800	17,800	380
390	19.3	118.6				19,400	18,500	17,600	390

MLC650 VPC-MAX S-1

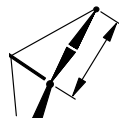


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
80									80
85									85
90									90
95									95
100	82.5	394.9	39,000			39,000			100
105	81.7	393.6	38,400	33,900		38,400	33,900		105
110	81.0	392.2	37,800	33,400	29,700	37,800	33,400	29,700	110
115	80.2	390.8	37,100	32,900	29,400	37,100	32,900	29,400	115
120	79.5	389.4	36,500	32,500	29,100	36,500	32,500	29,100	120
125	78.7	387.8	35,900	32,000	28,700	35,900	32,000	28,700	125
130	77.9	386.2	35,200	31,600	28,300	35,200	31,600	28,300	130
135	77.2	384.5	34,700	31,100	28,000	34,700	31,100	28,000	135
140	76.4	382.7	34,100	30,700	27,600	34,100	30,700	27,600	140
145	75.6	380.8	33,600	30,300	27,300	33,600	30,300	27,300	145
150	74.9	378.9	33,000	29,900	27,000	33,000	29,900	27,000	150
155	74.1	376.9	32,500	29,500	26,700	32,500	29,500	26,700	155
160	73.3	374.8	32,000	29,100	26,400	32,000	29,100	26,400	160
165	72.5	372.7	31,500	28,700	26,000	31,500	28,700	26,000	165
170	71.7	370.4	31,000	28,300	25,800	31,000	28,300	25,800	170
175	70.9	368.1	30,500	27,900	25,400	30,500	27,900	25,400	175
180	70.1	365.7	29,900	27,500	25,200	29,900	27,500	25,200	180
190	68.5	360.6	28,700	26,800	24,600	28,700	26,800	24,600	190
200	66.8	355.1	27,600	26,100	24,000	27,600	26,100	24,000	200
210	65.2	349.2	26,700	25,400	23,400	26,700	25,400	23,400	210
220	63.5	343.0	25,800	24,800	22,900	25,800	24,800	22,900	220
230	61.7	336.3	24,900	24,200	22,400	24,900	24,200	22,400	230
240	60.0	329.2	24,100	23,600	21,900	24,100	23,600	21,900	240
250	58.1	321.6	23,300	23,000	21,400	23,300	23,000	21,400	250
260	56.3	313.4	22,600	22,400	21,000	22,600	22,400	21,000	260
270	54.4	304.7	21,900	19,600	17,100	21,900	21,700	20,600	270
280	52.4	295.4	17,600	15,200	13,000	21,300	21,100	20,200	280
290	50.3	285.4	13,200	11,100	9,000	20,700	20,500	19,800	290
300	48.2	274.7	9,200	7,200		20,100	20,000	19,400	300
310	46.0	263.1				19,600	19,400	19,100	310
320	43.7	250.5				19,100	18,900	18,700	320
330	41.2	236.8				18,700	18,500	18,400	330
340	38.6	221.7				18,300	18,100	18,000	340
350	35.8	205.0				17,900	17,700	17,600	350
360	32.7	186.1				17,600	17,400	17,300	360
370	29.2	164.3				17,300	17,100	17,000	370
380									380
390									390

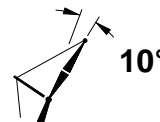
MLC650 VPC-MAX S-1



301.8 ft



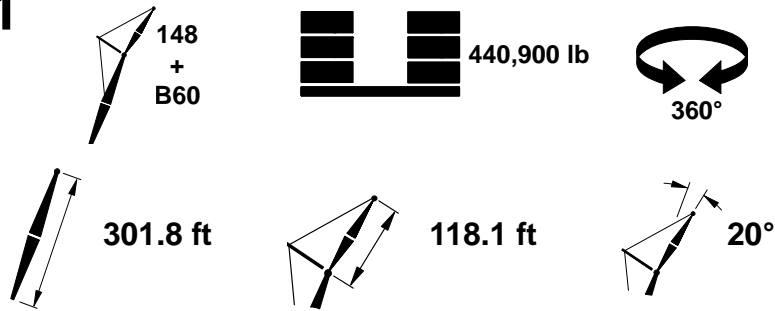
118.1 ft



10°

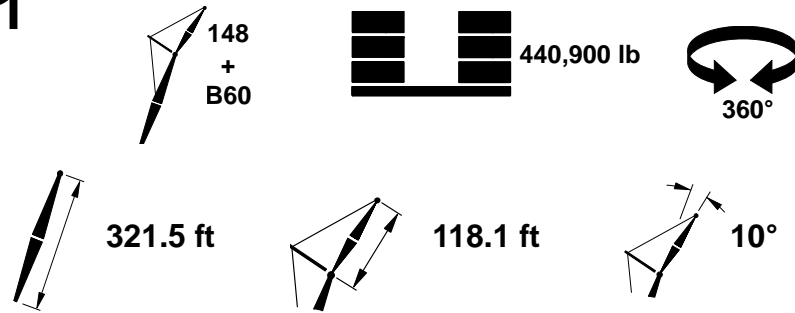
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
85	82.5	422.1	48,900			48,900			85
90	81.8	421.1	48,100	40,300		48,100	40,300		90
95	81.1	420.1	47,300	39,800		47,300	39,800		95
100	80.4	418.9	46,600	39,400	33,800	46,600	39,400	33,800	100
105	79.7	417.7	45,700	38,800	33,500	45,700	38,800	33,500	105
110	79.0	416.5	45,000	38,400	33,100	45,000	38,400	33,100	110
115	78.3	415.2	44,300	37,900	32,800	44,300	37,900	32,800	115
120	77.6	413.8	43,500	37,400	32,500	43,500	37,400	32,500	120
125	76.8	412.3	42,800	36,900	32,100	42,800	36,900	32,100	125
130	76.1	410.8	42,100	36,400	31,800	42,100	36,400	31,800	130
135	75.4	409.2	41,400	35,900	31,500	41,400	35,900	31,500	135
140	74.7	407.5	40,600	35,400	31,100	40,600	35,400	31,100	140
145	74.0	405.8	40,000	35,000	30,700	40,000	35,000	30,700	145
150	73.2	404.0	39,300	34,500	30,400	39,300	34,500	30,400	150
155	72.5	402.1	38,600	34,000	30,100	38,600	34,000	30,100	155
160	71.8	400.1	38,000	33,500	29,700	38,000	33,500	29,700	160
165	71.0	398.1	37,300	33,100	29,300	37,300	33,100	29,300	165
170	70.3	396.0	36,800	32,600	29,000	36,800	32,600	29,000	170
175	69.6	393.8	36,100	32,100	28,800	36,100	32,100	28,800	175
180	68.8	391.6	35,500	31,700	28,400	35,500	31,700	28,400	180
190	67.3	386.8	34,400	30,900	27,700	34,400	30,900	27,700	190
200	65.8	381.8	33,300	30,000	27,100	33,300	30,000	27,100	200
210	64.2	376.3	32,200	29,200	26,400	32,200	29,200	26,400	210
220	62.6	370.6	31,200	28,400	25,700	31,200	28,400	25,700	220
230	61.0	364.4	30,300	27,600	25,100	30,300	27,600	25,100	230
240	59.4	357.8	29,300	26,500	23,200	29,300	26,900	24,600	240
250	57.7	350.9	24,700	21,400	18,400	28,500	26,200	24,000	250
260	56.0	343.5	19,700	16,700	14,000	27,600	25,500	23,500	260
270	54.3	335.6	15,000	12,400	9,800	26,800	24,800	22,900	270
280	52.5	327.2	10,700	8,300		26,100	24,200	22,300	280
290	50.7	318.2	6,700			25,300	23,600	21,900	290
300	48.8	308.6				24,600	23,000	21,400	300
310	46.8	298.4				24,000	22,400	20,900	310
320	44.8	287.4				23,400	21,900	20,500	320
330	42.7	275.6				22,800	21,400	20,000	330
340	40.5	262.9				22,300	20,900	19,600	340
350	38.2	249.1				21,800	20,400	19,200	350
360	35.7	233.9				21,200	20,000	18,900	360
370	33.0	217.2				20,800	19,600	18,500	370
380	30.1	198.5				20,400	19,300	18,200	380
390	26.9	177.1				20,000	18,900	17,900	390
400	23.2	151.8				19,700	18,600	17,700	400
410	18.6	120.0				19,400	18,500	17,600	410

MLC650 VPC-MAX S-1



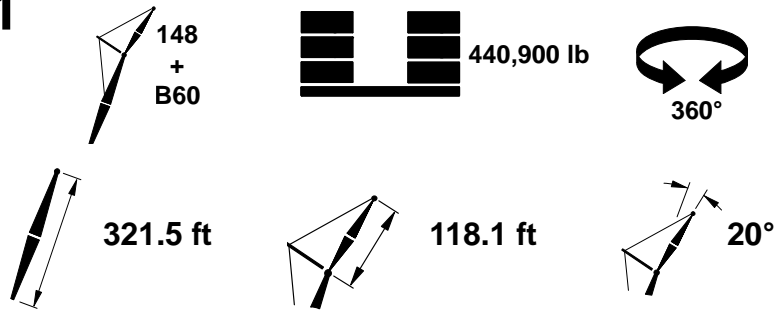
ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
85									85
90									90
95									95
100	82.8	415.0	39,300			39,300			100
105	82.1	413.8	38,600			38,600			105
110	81.4	412.5	38,000			38,000			110
115	80.7	411.2	37,400			37,400			115
120	80.0	409.8	36,800			36,800			120
125	79.3	408.3	36,200			36,200			125
130	78.5	406.7	35,700			35,700			130
135	77.8	405.1	35,200			35,200			135
140	77.1	403.5	34,600			34,600			140
145	76.4	401.7	34,000			34,000			145
150	75.6	399.9	33,600			33,600			150
155	74.9	398.0	33,100			33,100			155
160	74.1	396.0	32,500			32,500			160
165	73.4	394.0	32,100			32,100			165
170	72.7	391.8	31,600			31,600			170
175	71.9	389.6	31,100			31,100			175
180	71.1	387.4	30,700			30,700			180
190	69.6	382.6	29,600			29,600			190
200	68.1	377.4	28,500			28,500			200
210	66.5	371.9	27,500			27,500			210
220	64.9	366.1	26,500			26,500			220
230	63.3	359.8	25,600			25,600			230
240	61.6	353.2	24,900			24,900			240
250	59.9	346.1	24,100			24,100			250
260	58.2	338.6	23,300			23,300			260
270	56.4	330.6	19,500			22,700			270
280	54.6	322.0	14,900			22,000			280
290	52.8	312.9	10,500			21,400			290
300	50.8	303.2	6,500			20,800			300
310	48.8	292.8				20,300			310
320	46.8	281.6				19,800			320
330	44.6	269.5				19,300			330
340	42.4	256.5				18,900			340
350	40.0	242.2				18,500			350
360	37.4	226.6				18,100			360
370	34.6	209.3				17,700			370
380	31.6	189.8				17,500			380
390	28.2	167.2				17,200			390
400									400
410									410

MLC650 VPC-MAX S-1



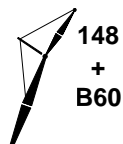
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
85	82.8	442.1	49,000			49,000			85
90	82.1	441.2	48,300			48,300			90
95	81.5	440.2	47,500	39,800		47,500	39,800		95
100	80.8	439.1	46,800	39,400	33,800	46,800	39,400	33,800	100
105	80.1	437.9	46,100	38,900	33,400	46,100	38,900	33,400	105
110	79.5	436.7	45,400	38,500	33,100	45,400	38,500	33,100	110
115	78.8	435.5	44,700	38,000	32,800	44,700	38,000	32,800	115
120	78.1	434.2	44,000	37,600	32,500	44,000	37,600	32,500	120
125	77.5	432.8	43,300	37,100	32,100	43,300	37,100	32,100	125
130	76.8	431.3	42,600	36,600	31,800	42,600	36,600	31,800	130
135	76.1	429.8	41,900	36,200	31,600	41,900	36,200	31,600	135
140	75.4	428.2	41,300	35,700	31,200	41,300	35,700	31,200	140
145	74.7	426.6	40,600	35,200	30,900	40,600	35,200	30,900	145
150	74.0	424.9	39,900	34,800	30,600	39,900	34,800	30,600	150
155	73.3	423.1	39,300	34,400	30,300	39,300	34,400	30,300	155
160	72.6	421.2	38,700	33,900	30,000	38,700	33,900	30,000	160
165	71.9	419.3	38,100	33,500	29,700	38,100	33,500	29,700	165
170	71.2	417.3	37,500	33,000	29,300	37,500	33,000	29,300	170
175	70.5	415.2	36,800	32,600	29,000	36,800	32,600	29,000	175
180	69.8	413.1	36,300	32,200	28,600	36,300	32,200	28,600	180
190	68.4	408.6	35,200	31,400	28,000	35,200	31,400	28,000	190
200	66.9	403.8	34,100	30,600	27,400	34,100	30,600	27,400	200
210	65.5	398.7	33,100	29,700	26,800	33,100	29,700	26,800	210
220	64.0	393.3	32,000	28,900	26,200	32,000	28,900	26,200	220
230	62.5	387.5	31,200	27,200	23,300	31,200	28,200	25,600	230
240	61.0	381.3	25,400	21,600	18,100	30,200	27,500	25,000	240
250	59.4	374.8	20,000	16,500	13,300	29,300	26,800	24,500	250
260	57.8	367.9	15,000	11,800	8,900	28,500	26,100	23,900	260
270	56.2	360.5	10,300	7,400		27,700	25,500	23,400	270
280	54.5	352.7				26,900	24,800	22,900	280
290	52.9	344.5				26,200	24,300	22,400	290
300	51.1	335.7				25,500	23,700	21,900	300
310	49.3	326.3				24,900	23,200	21,400	310
320	47.5	316.4				24,200	22,600	21,000	320
330	45.6	305.7				23,600	22,000	20,600	330
340	43.6	294.3				23,100	21,500	20,100	340
350	41.5	282.1				22,500	21,100	19,700	350
360	39.4	268.9				22,000	20,600	19,400	360
370	37.1	254.6				21,500	20,200	19,000	370
380	34.7	239.0				21,100	19,800	18,700	380
390	32.1	221.7				20,600	19,500	18,400	390
400	29.2	202.4				19,400	18,800	17,300	400
410	26.1	180.3				16,700	16,200	14,800	410
420	22.4	154.2				14,100	13,600	12,400	420
430	17.9	121.2				11,200	11,100	10,100	430

MLC650 VPC-MAX S-1

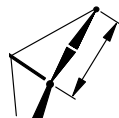


ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
85									85
90									90
95									95
100									100
105	82.5	433.9	38,800			38,800			105
110	81.8	432.7	38,200	33,600		38,200	33,600		110
115	81.1	431.4	37,700	33,200		37,700	33,200		115
120	80.4	430.1	37,100	32,800	29,100	37,100	32,800	29,100	120
125	79.8	428.7	36,600	32,400	28,800	36,600	32,400	28,800	125
130	79.1	427.2	36,000	32,000	28,500	36,000	32,000	28,500	130
135	78.4	425.7	35,500	31,600	28,200	35,500	31,600	28,200	135
140	77.7	424.1	34,900	31,200	28,000	34,900	31,200	28,000	140
145	77.0	422.4	34,500	30,800	27,600	34,500	30,800	27,600	145
150	76.3	420.7	33,900	30,500	27,300	33,900	30,500	27,300	150
155	75.6	418.9	33,500	30,100	27,100	33,500	30,100	27,100	155
160	74.9	417.0	33,000	29,700	26,800	33,000	29,700	26,800	160
165	74.2	415.1	32,500	29,400	26,500	32,500	29,400	26,500	165
170	73.5	413.1	32,100	29,000	26,200	32,100	29,000	26,200	170
175	72.8	411.0	31,600	28,600	26,000	31,600	28,600	26,000	175
180	72.1	408.8	31,200	28,300	25,700	31,200	28,300	25,700	180
190	70.6	404.3	30,300	27,600	25,100	30,300	27,600	25,100	190
200	69.2	399.4	29,300	26,900	24,600	29,300	26,900	24,600	200
210	67.7	394.3	28,300	26,300	24,100	28,300	26,300	24,100	210
220	66.2	388.8	27,300	25,700	23,600	27,300	25,700	23,600	220
230	64.6	382.9	26,400	25,200	23,200	26,400	25,200	23,200	230
240	63.1	376.7	25,600	24,600	22,700	25,600	24,600	22,700	240
250	61.5	370.1	24,800	22,000	18,500	24,800	24,000	22,200	250
260	59.9	363.1	20,200	16,900	13,800	24,100	23,500	21,800	260
270	58.3	355.6	15,200	12,200	9,300	23,400	23,000	21,400	270
280	56.6	347.7	10,600	7,800		22,800	22,500	21,000	280
290	54.9	339.3				22,100	21,900	20,600	290
300	53.1	330.4				21,500	21,300	20,200	300
310	51.3	320.9				21,000	20,800	19,900	310
320	49.4	310.7				20,500	20,300	19,500	320
330	47.5	299.9				20,000	19,800	19,200	330
340	45.5	288.2				19,500	19,400	18,900	340
350	43.3	275.7				19,100	18,900	18,600	350
360	41.1	262.2				18,700	18,600	18,400	360
370	38.8	247.5				18,300	18,100	18,000	370
380	36.3	231.3				18,000	17,800	17,700	380
390	33.6	213.4				17,600	17,500	17,400	390
400	30.6	193.2				17,400	17,200	17,100	400
410	27.3	169.9				17,100	16,900	15,600	410
420									420
430									430

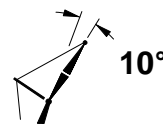
MLC650 VPC-MAX S-1



341.2 ft



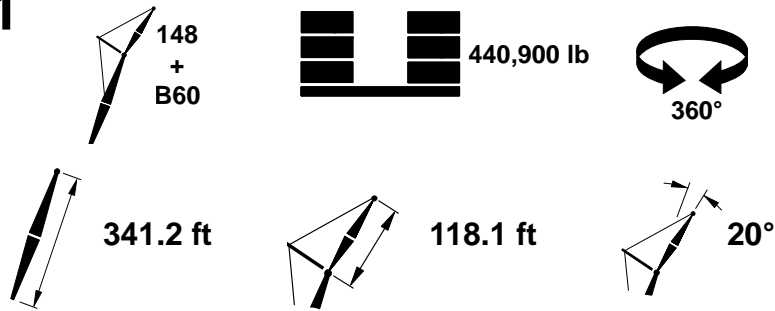
118.1 ft



10°

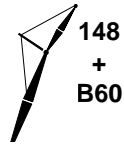
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
90	82.5	461.2	48,400			48,400			90
95	81.9	460.2	47,700	39,800		47,700	39,800		95
100	81.2	459.2	47,100	39,300		47,100	39,300		100
105	80.6	458.1	46,400	38,900	33,300	46,400	38,900	33,300	105
110	79.9	457.0	45,700	38,500	33,000	45,700	38,500	33,000	110
115	79.3	455.8	45,000	38,100	32,700	45,000	38,100	32,700	115
120	78.7	454.5	44,300	37,700	32,400	44,300	37,700	32,400	120
125	78.0	453.2	43,700	37,200	32,100	43,700	37,200	32,100	125
130	77.4	451.8	43,000	36,800	31,800	43,000	36,800	31,800	130
135	76.7	450.3	42,300	36,400	31,600	42,300	36,400	31,600	135
140	76.1	448.8	41,700	36,000	31,200	41,700	36,000	31,200	140
145	75.4	447.3	41,100	35,600	31,000	41,100	35,600	31,000	145
150	74.7	445.6	40,500	35,100	30,700	40,500	35,100	30,700	150
155	74.1	443.9	39,900	34,700	30,400	39,900	34,700	30,400	155
160	73.4	442.2	39,300	34,200	30,100	39,300	34,200	30,100	160
165	72.8	440.3	38,700	33,800	29,800	38,700	33,800	29,800	165
170	72.1	438.4	38,100	33,500	29,500	38,100	33,500	29,500	170
175	71.4	436.5	37,500	33,100	29,200	37,500	33,100	29,200	175
180	70.7	434.5	37,000	32,700	28,900	37,000	32,700	28,900	180
190	69.4	430.2	35,900	31,800	28,300	35,900	31,800	28,300	190
200	68.0	425.6	34,800	31,000	27,700	34,800	31,000	27,700	200
210	66.6	420.8	33,800	30,300	27,100	33,800	30,300	27,100	210
220	65.2	415.7	32,900	29,600	26,600	32,900	29,600	26,600	220
230	63.8	410.2	31,900	28,800	26,000	31,900	28,800	26,000	230
240	62.4	404.4	30,300	26,100	22,100	31,000	28,100	25,400	240
250	60.9	398.3	24,600	20,700	17,100	30,200	27,400	24,900	250
260	59.4	391.8	19,200	15,700	12,400	29,300	26,800	24,400	260
270	57.9	384.9	14,300	11,000	8,000	28,500	26,100	23,900	270
280	56.3	377.6	9,700	6,700		27,800	25,500	23,400	280
290	54.8	369.9				27,100	24,900	22,900	290
300	53.2	361.8				26,300	24,300	22,400	300
310	51.5	353.1				25,700	23,800	22,000	310
320	49.8	343.9				25,100	23,300	21,500	320
330	48.1	334.2				24,400	22,800	21,100	330
340	46.3	323.9				23,800	22,200	20,700	340
350	44.4	312.8				23,300	21,800	20,300	350
360	42.5	301.0				22,800	21,300	19,900	360
370	40.5	288.4				22,300	20,800	19,500	370
380	38.4	274.7				21,800	20,400	19,200	380
390	36.1	260.0				19,800	19,200	17,300	390
400	33.8	243.8				17,000	16,400	14,800	400
410	31.2	226.0				14,400	13,800	12,300	410
420	28.4	206.1				11,600	11,300	9,900	420
430	25.3	183.4				8,400	8,900	7,600	430
440	21.7	156.4					6,600		440

MLC650 VPC-MAX S-1

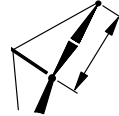


Reach (ft)	Height (ft)	Capacity (lb)	38.7 ft			60.0 ft			Reach (ft)
			0°	1°	2°	0°	1°	2°	
90									90
95									95
100									100
105	82.8	454.0	39,000			39,000			105
110	82.2	452.9	38,500			38,500			110
115	81.5	451.7	37,900			37,900			115
120	80.9	450.4	37,400			37,400			120
125	80.2	449.0	36,900			36,900			125
130	79.6	447.6	36,300			36,300			130
135	78.9	446.2	35,800			35,800			135
140	78.3	444.7	35,300			35,300			140
145	77.6	443.1	34,800			34,800			145
150	76.9	441.4	34,300			34,300			150
155	76.3	439.7	33,900			33,900			155
160	75.6	437.9	33,400			33,400			160
165	74.9	436.1	33,000			33,000			165
170	74.2	434.2	32,500			32,500			170
175	73.6	432.2	32,100			32,100			175
180	72.9	430.1	31,700			31,700			180
190	71.5	425.8	30,800			30,800			190
200	70.1	421.2	30,000			30,000			200
210	68.7	416.3	29,000			29,000			210
220	67.3	411.1	28,000			28,000			220
230	65.9	405.6	27,200			27,200			230
240	64.4	399.8	26,400			26,400			240
250	62.9	393.5	25,500			25,500			250
260	61.4	387.0	24,800			24,800			260
270	59.9	380.0	19,500			24,100			270
280	58.3	372.6	14,600			23,400			280
290	56.7	364.8	10,000			22,800			290
300	55.1	356.5				22,200			300
310	53.4	347.8				21,700			310
320	51.7	338.5				21,100			320
330	49.9	328.6				20,600			330
340	48.1	318.0				20,200			340
350	46.2	306.8				19,700			350
360	44.2	294.7				19,300			360
370	42.2	281.8				18,900			370
380	40.0	267.8				18,500			380
390	37.7	252.6				18,200			390
400	35.3	235.9				17,800			400
410	32.6	217.4				15,500			410
420	29.7	196.6				12,800			420
430									430
440									440

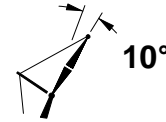
MLC650 VPC-MAX S-1



144.4 ft



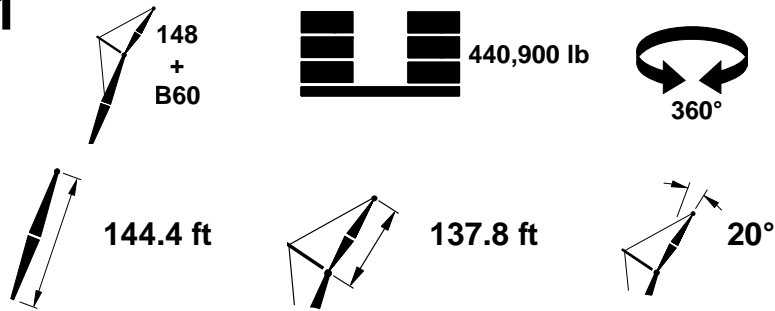
137.8 ft



10°

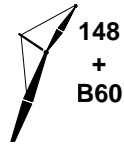
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
65	82.6	286.4	41,900b			41,900b			65
70	81.5	285.3	40,500b	34,600b		40,500b	34,600b		70
75	80.5	284.1	39,100	33,600	29,400	39,100	33,600	29,400	75
80	79.4	282.7	37,900	32,800	28,700	37,900	32,800	28,700	80
85	78.4	281.3	36,700	31,900	28,000	36,700	31,900	28,000	85
90	77.3	279.8	35,600	31,000	27,300	35,600	31,000	27,300	90
95	76.3	278.2	34,500	30,200	26,600	34,500	30,200	26,600	95
100	75.2	276.4	33,400	29,300	26,000	33,400	29,300	26,000	100
105	74.1	274.6	32,300	28,500	25,400	32,300	28,500	25,400	105
110	73.0	272.7	31,200	27,700	24,800	31,200	27,700	24,800	110
115	71.9	270.6	30,200	27,000	24,100	30,200	27,000	24,100	115
120	70.8	268.4	29,300	26,200	23,500	29,300	26,200	23,500	120
125	69.7	266.1	28,300	25,400	22,900	28,300	25,400	22,900	125
130	68.6	263.7	27,400	24,700	22,400	27,400	24,700	22,400	130
135	67.4	261.2	26,500	24,000	21,800	26,500	24,000	21,800	135
140	66.3	258.6	25,700	23,300	21,200	25,700	23,300	21,200	140
145	65.1	255.8	24,900	22,700	20,700	24,900	22,700	20,700	145
150	64.0	252.9	24,100	22,000	20,100	24,100	22,000	20,100	150
155	62.8	249.8	23,400	21,400	19,600	23,400	21,400	19,600	155
160	61.6	246.6	22,600	20,800	19,100	22,600	20,800	19,100	160
165	60.4	243.2	22,000	20,300	18,600	22,000	20,300	18,600	165
170	59.1	239.7	21,300	19,700	18,200	21,300	19,700	18,200	170
175	57.9	236.0	20,700	19,100	17,700	20,700	19,100	17,700	175
180	56.6	232.2	20,100	18,600	17,200	20,100	18,600	17,200	180
190	53.9	223.9	18,900	17,600	16,300	18,900	17,600	16,300	190
200	51.2	214.8	17,900	16,700	15,500	17,900	16,700	15,500	200
210	48.3	204.8	16,900	15,800	14,700	16,900	15,800	14,700	210
220	45.3	193.7	15,900	15,000	14,000	15,900	15,000	14,000	220
230	42.1	181.3	15,100	14,200	13,300	15,100	14,200	13,300	230
240	38.6	167.3	14,400	13,500	12,700	14,400	13,500	12,700	240
250	34.7	151.2	13,600	12,900	12,100	13,600	12,900	12,100	250
260	30.4	132.2	13,000	12,300	11,600	13,000	12,300	11,600	260
270	25.2	108.6	12,400	11,800	11,100	12,400	11,800	11,100	270
280	18.2	75.6	12,000	11,400	10,800	12,000	11,400	10,800	280

MLC650 VPC-MAX S-1

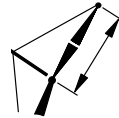


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
65									65
70									70
75									75
80									80
85	82.7	278.5	31,600b			31,600b			85
90	81.7	277.0	30,600	27,300		30,600	27,300		90
95	80.6	275.3	29,600	26,500	23,800	29,600	26,500	23,800	95
100	79.5	273.6	28,700	25,800	23,200	28,700	25,800	23,200	100
105	78.4	271.7	27,900	25,100	22,700	27,900	25,100	22,700	105
110	77.3	269.7	27,000	24,400	22,100	27,000	24,400	22,100	110
115	76.2	267.7	26,200	23,700	21,500	26,200	23,700	21,500	115
120	75.1	265.5	25,400	23,100	21,000	25,400	23,100	21,000	120
125	74.0	263.2	24,600	22,500	20,500	24,600	22,500	20,500	125
130	72.8	260.7	23,900	21,800	20,000	23,900	21,800	20,000	130
135	71.7	258.2	23,200	21,200	19,500	23,200	21,200	19,500	135
140	70.5	255.5	22,500	20,600	19,000	22,500	20,600	19,000	140
145	69.3	252.7	21,900	20,200	18,500	21,900	20,200	18,500	145
150	68.2	249.7	21,200	19,600	18,100	21,200	19,600	18,100	150
155	67.0	246.6	20,700	19,100	17,600	20,700	19,100	17,600	155
160	65.7	243.4	20,100	18,600	17,300	20,100	18,600	17,300	160
165	64.5	240.0	19,500	18,100	16,800	19,500	18,100	16,800	165
170	63.2	236.4	19,000	17,600	16,400	19,000	17,600	16,400	170
175	62.0	232.7	18,500	17,200	16,000	18,500	17,200	16,000	175
180	60.7	228.8	17,900	16,700	15,600	17,900	16,700	15,600	180
190	58.0	220.4	17,000	16,000	14,900	17,000	16,000	14,900	190
200	55.2	211.1	16,200	15,200	14,200	16,200	15,200	14,200	200
210	52.3	200.9	15,400	14,500	13,500	15,400	14,500	13,500	210
220	49.2	189.5	14,700	13,800	13,000	14,700	13,800	13,000	220
230	45.9	176.8	14,000	13,200	12,400	14,000	13,200	12,400	230
240	42.3	162.4	13,400	12,600	11,900	13,400	12,600	11,900	240
250	38.3	145.7	12,900	12,200	11,500	12,900	12,200	11,500	250
260	33.7	125.8	12,400	11,800	11,100	12,400	11,800	11,100	260
270	28.2	100.5	12,100	11,500	10,900	12,100	11,500	10,900	270
280									280

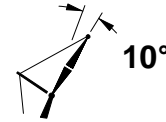
MLC650 VPC-MAX S-1



164.0 ft



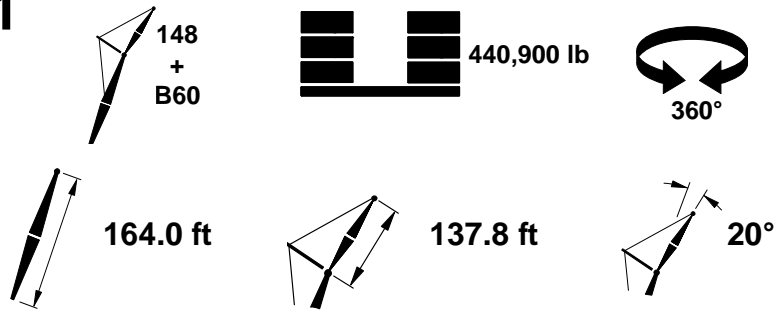
137.8 ft



10°

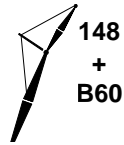
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70	82.1	305.4	41,300			41,300			70
75	81.1	304.3	40,000	34,100		40,000	34,100		75
80	80.2	303.0	38,700	33,300	29,100	38,700	33,300	29,100	80
85	79.2	301.7	37,600	32,500	28,400	37,600	32,500	28,400	85
90	78.2	300.3	36,500	31,700	27,700	36,500	31,700	27,700	90
95	77.2	298.8	35,400	30,900	27,100	35,400	30,900	27,100	95
100	76.2	297.2	34,400	30,000	26,500	34,400	30,000	26,500	100
105	75.2	295.5	33,300	29,300	26,000	33,300	29,300	26,000	105
110	74.2	293.7	32,300	28,600	25,400	32,300	28,600	25,400	110
115	73.2	291.8	31,400	27,800	24,800	31,400	27,800	24,800	115
120	72.2	289.8	30,400	27,100	24,200	30,400	27,100	24,200	120
125	71.1	287.7	29,500	26,300	23,600	29,500	26,300	23,600	125
130	70.1	285.4	28,600	25,700	23,100	28,600	25,700	23,100	130
135	69.0	283.1	27,700	25,000	22,600	27,700	25,000	22,600	135
140	68.0	280.7	26,900	24,300	22,000	26,900	24,300	22,000	140
145	66.9	278.1	26,100	23,700	21,500	26,100	23,700	21,500	145
150	65.9	275.5	25,400	23,000	21,000	25,400	23,000	21,000	150
155	64.8	272.7	24,600	22,400	20,500	24,600	22,400	20,500	155
160	63.7	269.7	23,900	21,800	20,000	23,900	21,800	20,000	160
165	62.6	266.7	23,200	21,300	19,500	23,200	21,300	19,500	165
170	61.4	263.5	22,600	20,700	19,000	22,600	20,700	19,000	170
175	60.3	260.2	22,000	20,200	18,600	22,000	20,200	18,600	175
180	59.1	256.7	21,300	19,600	18,100	21,300	19,600	18,100	180
190	56.8	249.3	20,200	18,700	17,200	20,200	18,700	17,200	190
200	54.3	241.2	19,100	17,700	16,400	19,100	17,700	16,400	200
210	51.8	232.4	18,100	16,800	15,700	18,100	16,800	15,700	210
220	49.2	222.7	17,200	16,000	14,900	17,200	16,000	14,900	220
230	46.4	212.1	16,300	15,200	14,300	16,300	15,200	14,300	230
240	43.5	200.3	15,500	14,500	13,600	15,500	14,500	13,600	240
250	40.4	187.3	14,700	13,800	13,000	14,700	13,800	13,000	250
260	37.0	172.5	14,000	13,200	12,400	14,000	13,200	12,400	260
270	33.3	155.6	13,400	12,700	11,900	13,400	12,700	11,900	270
280	29.0	135.7	12,800	12,100	11,400	12,800	12,100	11,400	280
290	24.0	111.0	12,300	11,700	11,100	12,300	11,700	11,100	290
300	17.1	76.2	12,000	11,400	10,800	12,000	11,400	10,800	300

MLC650 VPC-MAX S-1

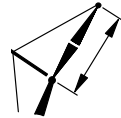


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
70									70
75									75
80									80
85									85
90	82.2	297.3	31,100			31,100			90
95	81.2	295.8	30,200			30,200			95
100	80.2	294.2	29,300			29,300			100
105	79.2	292.4	28,500			28,500			105
110	78.2	290.6	27,600			27,600			110
115	77.2	288.7	26,900			26,900			115
120	76.2	286.7	26,100			26,100			120
125	75.1	284.5	25,300			25,300			125
130	74.1	282.3	24,600			24,600			130
135	73.0	279.9	24,000			24,000			135
140	71.9	277.5	23,300			23,300			140
145	70.9	274.9	22,700			22,700			145
150	69.8	272.2	22,100			22,100			150
155	68.7	269.3	21,500			21,500			155
160	67.6	266.4	21,000			21,000			160
165	66.4	263.3	20,400			20,400			165
170	65.3	260.1	19,900			19,900			170
175	64.1	256.7	19,300			19,300			175
180	63.0	253.2	18,900			18,900			180
190	60.6	245.6	17,900			17,900			190
200	58.1	237.4	17,100			17,100			200
210	55.5	228.4	16,300			16,300			210
220	52.8	218.6	15,500			15,500			220
230	50.0	207.8	14,800			14,800			230
240	47.0	195.7	14,200			14,200			240
250	43.8	182.3	13,600			13,600			250
260	40.3	167.1	13,200			13,200			260
270	36.5	149.6	12,700			12,700			270
280	32.0	128.6	12,300			12,300			280
290	26.6	102.0	12,000			12,000			290
300									300

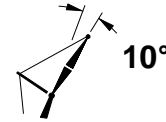
MLC650 VPC-MAX S-1



183.7 ft



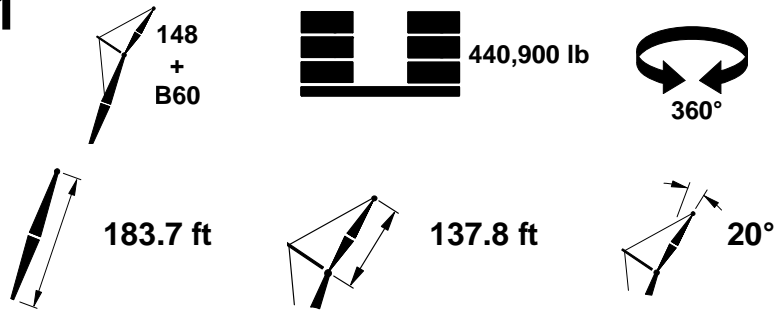
137.8 ft



10°

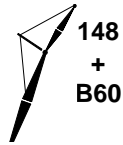
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
70	82.6	325.5	41,800			41,800			70
75	81.7	324.4	40,600	34,500		40,600	34,500		75
80	80.8	323.3	39,500	33,800	29,400	39,500	33,800	29,400	80
85	79.9	322.0	38,400	32,900	28,800	38,400	32,900	28,800	85
90	78.9	320.7	37,300	32,200	28,200	37,300	32,200	28,200	90
95	78.0	319.3	36,300	31,500	27,600	36,300	31,500	27,600	95
100	77.1	317.8	35,300	30,700	27,000	35,300	30,700	27,000	100
105	76.1	316.2	34,300	29,900	26,400	34,300	29,900	26,400	105
110	75.2	314.5	33,300	29,300	25,800	33,300	29,300	25,800	110
115	74.3	312.7	32,400	28,600	25,400	32,400	28,600	25,400	115
120	73.3	310.9	31,400	27,800	24,800	31,400	27,800	24,800	120
125	72.4	308.9	30,500	27,100	24,300	30,500	27,100	24,300	125
130	71.4	306.9	29,700	26,500	23,700	29,700	26,500	23,700	130
135	70.4	304.7	28,900	25,800	23,200	28,900	25,800	23,200	135
140	69.4	302.5	28,000	25,200	22,700	28,000	25,200	22,700	140
145	68.5	300.1	27,300	24,600	22,200	27,300	24,600	22,200	145
150	67.5	297.6	26,500	24,000	21,700	26,500	24,000	21,700	150
155	66.5	295.0	25,800	23,400	21,200	25,800	23,400	21,200	155
160	65.5	292.4	25,100	22,800	20,800	25,100	22,800	20,800	160
165	64.4	289.5	24,400	22,200	20,300	24,400	22,200	20,300	165
170	63.4	286.6	23,700	21,700	19,800	23,700	21,700	19,800	170
175	62.4	283.6	23,100	21,200	19,400	23,100	21,200	19,400	175
180	61.3	280.4	22,500	20,700	18,900	22,500	20,700	18,900	180
190	59.2	273.7	21,300	19,600	18,100	21,300	19,600	18,100	190
200	57.0	266.3	20,200	18,700	17,300	20,200	18,700	17,300	200
210	54.7	258.4	19,300	17,800	16,500	19,300	17,800	16,500	210
220	52.3	249.8	18,300	17,000	15,800	18,300	17,000	15,800	220
230	49.9	240.4	17,400	16,200	15,100	17,400	16,200	15,100	230
240	47.4	230.2	16,600	15,500	14,500	16,600	15,500	14,500	240
250	44.7	219.0	15,800	14,800	13,800	15,800	14,800	13,800	250
260	41.9	206.7	15,100	14,100	13,200	15,100	14,100	13,200	260
270	38.8	193.0	14,400	13,500	12,800	14,400	13,500	12,800	270
280	35.6	177.6	13,800	13,000	12,200	13,800	13,000	12,200	280
290	31.9	159.9	13,200	12,500	11,700	13,200	12,500	11,700	290
300	27.8	139.1	12,600	12,000	11,300	12,600	12,000	11,300	300
310	22.9	113.2	12,300	11,600	11,000	12,300	11,600	11,000	310
320	16.1	76.6	12,000	11,300	10,700	12,000	11,300	10,700	320

MLC650 VPC-MAX S-1

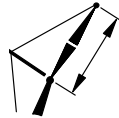


ft	°	ft	38.7 ft			60.0 ft			ft	
			0°	1°	2°	0°	1°	2°		
			lb	lb	lb	lb	lb	lb		
70								70		
75								75		
80								80		
85								85		
90	82.7	317.6	31,500			31,500		90		
95	81.8	316.1	30,700			30,700		95		
100	80.9	314.6	29,800			29,800		100		
105	79.9	313.0	29,000		23,800	29,000	26,600	23,800	105	
110	79.0	311.3	28,200		26,000	28,200	26,000	25,400	22,800	110
115	78.0	309.5	27,500		25,400	27,500	25,300	25,400	22,300	115
120	77.1	307.6	26,700		24,700	26,700	24,700	24,700	21,900	120
125	76.1	305.7	26,000		24,200	26,000	24,200	24,200	21,400	125
130	75.1	303.6	25,300		23,600	25,300	23,600	23,600	20,900	130
135	74.1	301.4	24,700		23,000	24,700	23,000	23,000	20,500	135
140	73.2	299.1	24,100		22,500	24,100	22,500	22,500	20,100	140
145	72.2	296.7	23,400		22,000	23,400	22,000	22,000	19,600	145
150	71.2	294.2	22,800		21,400	22,800	21,400	21,400	19,200	150
155	70.1	291.6	22,300		21,000	22,300	21,000	21,000	18,800	155
160	69.1	288.9	21,700		20,400	21,700	20,400	20,400	18,400	160
165	68.1	286.1	21,100		20,000	21,100	20,000	20,000	18,000	165
170	67.0	283.1	20,600		19,500	20,600	19,500	19,500	17,700	170
175	66.0	280.0	20,200		19,000	20,200	19,000	19,000	17,300	175
180	64.9	276.8	19,700		18,800	19,700	18,700	18,700	16,900	180
190	62.7	269.9	18,700		18,000	18,700	18,300	18,300	16,200	190
200	60.5	262.5	17,900		18,000	17,900	17,400	17,400	15,500	200
210	58.2	254.5	17,100		17,700	17,100	17,000	17,000	14,900	210
220	55.8	245.7	16,300		17,300	16,300	16,600	16,600	14,300	220
230	53.3	236.2	15,700		17,000	15,700	16,300	16,300	13,800	230
240	50.7	225.8	15,000		16,900	15,000	16,000	16,000	13,200	240
250	48.0	214.3	14,400		16,200	14,400	15,700	15,700	12,800	250
260	45.1	201.7	13,800		16,000	13,800	15,500	15,500	12,300	260
270	42.0	187.6	13,400		15,000	13,400	15,000	15,000	11,900	270
280	38.6	171.6	12,900		14,900	12,900	14,700	14,700	11,500	280
290	34.9	153.3	12,500		14,300	12,500	14,100	14,100	11,200	290
300	30.5	131.3	12,200		13,800	12,200	13,600	13,600	11,000	300
310	25.2	103.3	12,000		13,100	12,000	13,100	13,100	10,800	310
320					12,600		12,600	12,600		320

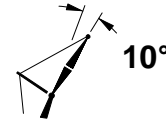
MLC650 VPC-MAX S-1



203.4 ft



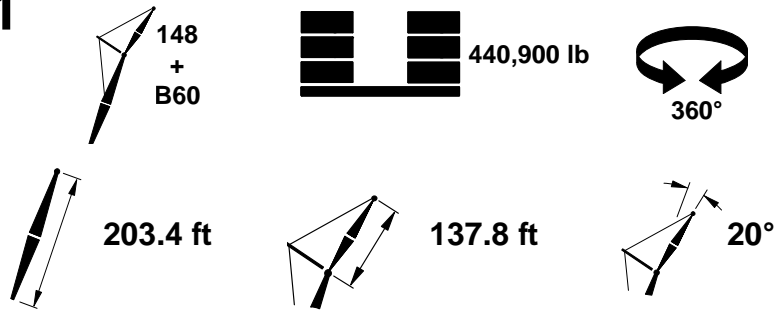
137.8 ft



10°

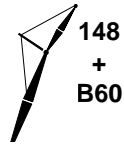
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
75	82.2	344.5	41,100			41,100			75
80	81.3	343.4	40,100	34,100		40,100	34,100		80
85	80.5	342.3	39,000	33,300	29,000	39,000	33,300	29,000	85
90	79.6	341.0	38,000	32,600	28,500	38,000	32,600	28,500	90
95	78.7	339.7	37,000	31,900	28,000	37,000	31,900	28,000	95
100	77.8	338.3	36,100	31,200	27,400	36,100	31,200	27,400	100
105	77.0	336.8	35,100	30,600	26,800	35,100	30,600	26,800	105
110	76.1	335.2	34,200	29,800	26,300	34,200	29,800	26,300	110
115	75.2	333.6	33,200	29,200	25,800	33,200	29,200	25,800	115
120	74.3	331.8	32,400	28,500	25,300	32,400	28,500	25,300	120
125	73.4	330.0	31,500	27,900	24,800	31,500	27,900	24,800	125
130	72.5	328.1	30,700	27,200	24,300	30,700	27,200	24,300	130
135	71.6	326.1	29,800	26,600	23,800	29,800	26,600	23,800	135
140	70.7	323.9	29,100	26,000	23,300	29,100	26,000	23,300	140
145	69.8	321.7	28,300	25,400	22,800	28,300	25,400	22,800	145
150	68.9	319.5	27,600	24,800	22,400	27,600	24,800	22,400	150
155	67.9	317.1	26,900	24,200	21,900	26,900	24,200	21,900	155
160	67.0	314.6	26,100	23,600	21,400	26,100	23,600	21,400	160
165	66.1	312.0	25,500	23,100	21,000	25,500	23,100	21,000	165
170	65.1	309.3	24,800	22,600	20,500	24,800	22,600	20,500	170
175	64.1	306.4	24,200	22,000	20,100	24,200	22,000	20,100	175
180	63.2	303.5	23,600	21,500	19,700	23,600	21,500	19,700	180
190	61.2	297.3	22,400	20,600	18,900	22,400	20,600	18,900	190
200	59.2	290.6	21,400	19,600	18,100	21,400	19,600	18,100	200
210	57.1	283.4	20,300	18,800	17,300	20,300	18,800	17,300	210
220	55.0	275.6	19,400	17,900	16,700	19,400	17,900	16,700	220
230	52.8	267.2	18,400	17,200	16,000	18,400	17,200	16,000	230
240	50.5	258.1	17,600	16,400	15,300	17,600	16,400	15,300	240
250	48.2	248.2	16,800	15,700	14,600	16,800	15,700	14,600	250
260	45.7	237.4	16,100	15,000	14,000	16,100	15,000	14,000	260
270	43.1	225.7	15,400	14,400	13,500	15,400	14,400	13,500	270
280	40.4	212.8	14,700	13,800	13,000	14,700	13,800	13,000	280
290	37.4	198.4	14,100	13,300	12,500	14,100	13,300	12,500	290
300	34.3	182.3	13,600	12,800	12,000	13,600	12,800	12,000	300
310	30.7	163.9	13,000	12,000	11,000	13,000	12,300	11,600	310
320	26.7	142.2	9,800	9,000	8,100	12,600	11,900	11,200	320
330	21.9	115.2	6,700			12,200	11,500	10,900	330
340	15.2	76.8				11,900	11,300	10,800	340

MLC650 VPC-MAX S-1

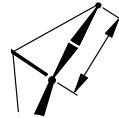


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
75									75
80									80
85									85
90	82.3	336.4	31,000			31,000			90
95									95
100	81.4	335.0	30,300	26,900		30,300	26,900		100
105	80.5	333.5	29,500	26,300	23,600	29,500	26,300	23,600	105
110	79.7	331.9	28,700	25,700	23,100	28,700	25,700	23,100	110
115	78.8	330.2	28,000	25,100	22,700	28,000	25,100	22,700	115
120	77.9	328.5	27,300	24,600	22,200	27,300	24,600	22,200	120
125	77.0	326.6	26,600	24,100	21,800	26,600	24,100	21,800	125
130	76.0	324.7	26,000	23,500	21,300	26,000	23,500	21,300	130
135	75.1	322.6	25,300	23,000	20,900	25,300	23,000	20,900	135
140	74.2	320.5	24,700	22,500	20,500	24,700	22,500	20,500	140
145	73.3	318.3	24,100	22,000	20,100	24,100	22,000	20,100	145
150	72.4	316.0	23,500	21,500	19,700	23,500	21,500	19,700	150
155	71.4	313.5	22,900	21,100	19,300	22,900	21,100	19,300	155
160	70.5	311.0	22,400	20,500	18,900	22,400	20,500	18,900	160
165	69.5	308.4	21,900	20,100	18,500	21,900	20,100	18,500	165
170	68.5	305.6	21,400	19,700	18,200	21,400	19,700	18,200	170
175	67.6	302.8	20,900	19,300	17,800	20,900	19,300	17,800	175
180	66.6	299.8	20,400	18,900	17,500	20,400	18,900	17,500	180
190	64.6	293.5	19,500	18,100	16,700	19,500	18,100	16,700	190
200	62.5	286.8	18,700	17,400	16,200	18,700	17,400	16,200	200
210	60.4	279.4	17,800	16,600	15,500	17,800	16,600	15,500	210
220	58.3	271.5	17,100	16,000	14,900	17,100	16,000	14,900	220
230	56.0	262.9	16,400	15,400	14,400	16,400	15,400	14,400	230
240	53.7	253.7	15,800	14,700	13,900	15,800	14,700	13,900	240
250	51.3	243.6	15,100	14,200	13,400	15,100	14,200	13,400	250
260	48.8	232.6	14,600	13,700	12,900	14,600	13,700	12,900	260
270	46.2	220.6	14,100	13,200	12,400	14,100	13,200	12,400	270
280	43.4	207.4	13,600	12,800	12,100	13,600	12,800	12,100	280
290	40.3	192.6	13,200	12,400	11,700	13,200	12,400	11,700	290
300	37.1	176.0	12,700	12,000	11,400	12,700	12,000	11,400	300
310	33.4	156.8	12,400	11,800	11,100	12,400	11,800	11,100	310
320	29.1	133.8	11,300	10,400	9,500	12,100	11,500	10,900	320
330									330
340									340

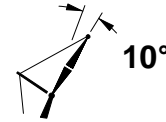
MLC650 VPC-MAX S-1



223.1 ft



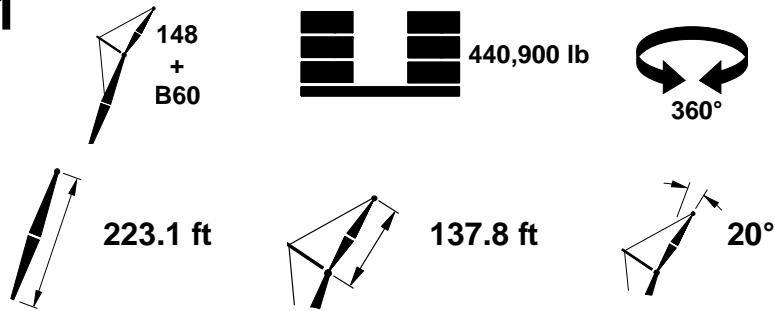
137.8 ft



10°

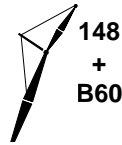
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
75	82.6	364.6	41,500			41,500			75
80	81.8	363.5	40,500	34,300		40,500	34,300		80
85	81.0	362.4	39,500	33,600	29,200	39,500	33,600	29,200	85
90	80.2	361.3	38,600	32,900	28,700	38,600	32,900	28,700	90
95	79.4	360.0	37,600	32,300	28,200	37,600	32,300	28,200	95
100	78.5	358.7	36,700	31,600	27,700	36,700	31,600	27,700	100
105	77.7	357.3	35,800	31,000	27,200	35,800	31,000	27,200	105
110	76.9	355.8	34,900	30,300	26,700	34,900	30,300	26,700	110
115	76.0	354.2	34,000	29,700	26,200	34,000	29,700	26,200	115
120	75.2	352.6	33,200	29,100	25,700	33,200	29,100	25,700	120
125	74.4	350.9	32,300	28,500	25,200	32,300	28,500	25,200	125
130	73.5	349.1	31,500	27,900	24,700	31,500	27,900	24,700	130
135	72.7	347.2	30,800	27,200	24,300	30,800	27,200	24,300	135
140	71.8	345.2	30,000	26,600	23,800	30,000	26,600	23,800	140
145	71.0	343.2	29,200	26,100	23,400	29,200	26,100	23,400	145
150	70.1	341.0	28,500	25,500	22,900	28,500	25,500	22,900	150
155	69.2	338.8	27,800	24,900	22,500	27,800	24,900	22,500	155
160	68.4	336.5	27,100	24,400	22,000	27,100	24,400	22,000	160
165	67.5	334.0	26,500	23,900	21,600	26,500	23,900	21,600	165
170	66.6	331.5	25,800	23,400	21,200	25,800	23,400	21,200	170
175	65.7	328.9	25,200	22,800	20,800	25,200	22,800	20,800	175
180	64.8	326.2	24,600	22,300	20,400	24,600	22,300	20,400	180
190	63.0	320.4	23,500	21,400	19,600	23,500	21,400	19,600	190
200	61.1	314.2	22,400	20,500	18,800	22,400	20,500	18,800	200
210	59.2	307.6	21,400	19,600	18,000	21,400	19,600	18,000	210
220	57.2	300.4	20,400	18,800	17,300	20,400	18,800	17,300	220
230	55.2	292.8	19,400	18,000	16,700	19,400	18,000	16,700	230
240	53.2	284.5	18,600	17,300	16,000	18,600	17,300	16,000	240
250	51.1	275.6	17,800	16,600	15,400	17,800	16,600	15,400	250
260	48.9	266.0	17,100	15,900	14,800	17,100	15,900	14,800	260
270	46.6	255.6	16,300	15,200	14,200	16,300	15,200	14,200	270
280	44.2	244.4	15,700	14,700	13,700	15,700	14,700	13,700	280
290	41.7	232.1	15,000	14,100	13,200	15,000	14,100	13,200	290
300	39.0	218.6	14,400	13,000	11,600	14,400	13,500	12,800	300
310	36.2	203.7	11,100	9,800	8,600	13,900	13,000	12,300	310
320	33.1	186.9	7,900	6,800		13,300	12,600	11,900	320
330	29.6	167.8				12,900	12,200	11,500	330
340	25.7	145.2				12,500	11,800	11,100	340
350	21.0	117.1				12,100	11,500	10,900	350

MLC650 VPC-MAX S-1

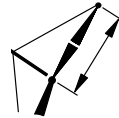


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
75									75
80									80
85									85
90									90
95	82.7	356.6	31,400			31,400			95
100	81.9	355.3	30,600			30,600			100
105	81.1	353.9	29,900			29,900			105
110	80.2	352.4	29,200			29,200			110
115	79.4	350.8	28,500			28,500			115
120	78.6	349.1	27,800			27,800			120
125	77.7	347.4	27,100			27,100			125
130	76.9	345.6	26,500			26,500			130
135	76.0	343.7	25,900			25,900			135
140	75.1	341.7	25,300			25,300			140
145	74.3	339.6	24,700			24,700			145
150	73.4	337.4	24,200			24,200			150
155	72.5	335.2	23,600			23,600			155
160	71.6	332.8	23,100			23,100			160
165	70.7	330.4	22,600			22,600			165
170	69.9	327.8	22,100			22,100			170
175	68.9	325.2	21,600			21,600			175
180	68.0	322.4	21,100			21,100			180
190	66.2	316.6	20,200			20,200			190
200	64.3	310.3	19,400			19,400			200
210	62.4	303.6	18,600			18,600			210
220	60.4	296.3	17,800			17,800			220
230	58.4	288.5	17,100			17,100			230
240	56.3	280.1	16,500			16,500			240
250	54.1	271.1	15,800			15,800			250
260	51.9	261.3	15,300			15,300			260
270	49.5	250.8	14,700			14,700			270
280	47.1	239.3	14,200			14,200			280
290	44.5	226.7	13,700			13,700			290
300	41.8	212.9	13,300			13,300			300
310	38.9	197.5	13,000			13,000			310
320	35.6	180.1	10,000			12,600			320
330	32.1	160.1	6,600			12,300			330
340	27.9	136.2				12,100			340
350									350

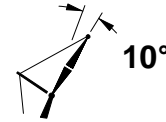
MLC650 VPC-MAX S-1



242.8 ft



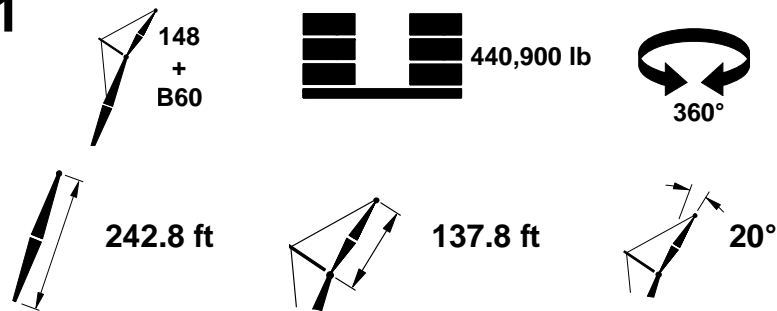
137.8 ft



10°

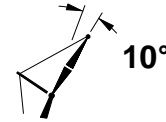
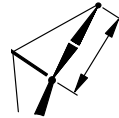
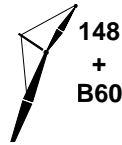
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
75	83.0	384.6	41,800			41,800			75
80	82.2	383.6	40,900			40,900			80
85	81.5	382.5	40,000	33,900		40,000	33,900		85
90	80.7	381.4	39,100	33,200	28,800	39,100	33,200	28,800	90
95	79.9	380.3	38,200	32,600	28,400	38,200	32,600	28,400	95
100	79.1	379.0	37,300	32,000	27,900	37,300	32,000	27,900	100
105	78.4	377.7	36,400	31,300	27,500	36,400	31,300	27,500	105
110	77.6	376.3	35,600	30,800	27,000	35,600	30,800	27,000	110
115	76.8	374.8	34,700	30,200	26,500	34,700	30,200	26,500	115
120	76.0	373.3	33,900	29,600	26,100	33,900	29,600	26,100	120
125	75.2	371.6	33,100	29,000	25,600	33,100	29,000	25,600	125
130	74.4	369.9	32,300	28,400	25,200	32,300	28,400	25,200	130
135	73.6	368.2	31,500	27,800	24,700	31,500	27,800	24,700	135
140	72.8	366.3	30,800	27,300	24,200	30,800	27,300	24,200	140
145	72.0	364.4	30,100	26,700	23,900	30,100	26,700	23,900	145
150	71.2	362.4	29,400	26,200	23,400	29,400	26,200	23,400	150
155	70.4	360.3	28,700	25,600	23,000	28,700	25,600	23,000	155
160	69.6	358.1	28,100	25,100	22,500	28,100	25,100	22,500	160
165	68.7	355.8	27,400	24,600	22,200	27,400	24,600	22,200	165
170	67.9	353.4	26,800	24,100	21,700	26,800	24,100	21,700	170
175	67.1	351.0	26,200	23,600	21,400	26,200	23,600	21,400	175
180	66.2	348.5	25,500	23,100	21,000	25,500	23,100	21,000	180
190	64.5	343.1	24,400	22,200	20,200	24,400	22,200	20,200	190
200	62.8	337.3	23,300	21,300	19,400	23,300	21,300	19,400	200
210	61.0	331.2	22,300	20,400	18,700	22,300	20,400	18,700	210
220	59.2	324.6	21,300	19,600	18,000	21,300	19,600	18,000	220
230	57.4	317.5	20,400	18,800	17,400	20,400	18,800	17,400	230
240	55.5	309.9	19,600	18,100	16,700	19,600	18,100	16,700	240
250	53.5	301.8	18,800	17,300	16,100	18,800	17,300	16,100	250
260	51.5	293.1	18,000	16,700	15,500	18,000	16,700	15,500	260
270	49.5	283.7	17,300	16,100	15,000	17,300	16,100	15,000	270
280	47.4	273.7	16,600	15,400	13,500	16,600	15,400	14,400	280
290	45.1	262.8	13,600	11,800	10,200	15,900	14,900	13,900	290
300	42.8	251.1	10,100	8,500	7,000	15,300	14,300	13,400	300
310	40.4	238.3	6,800			14,700	13,800	13,000	310
320	37.8	224.2				14,200	13,300	12,500	320
330	35.0	208.7				13,700	12,900	12,100	330
340	32.0	191.3				13,200	12,500	11,700	340
350	28.6	171.5				12,700	12,100	11,400	350
360	24.8	148.1				12,400	11,700	11,100	360
370	20.2	118.9				12,100	11,500	10,900	370

MLC650 VPC-MAX S-1



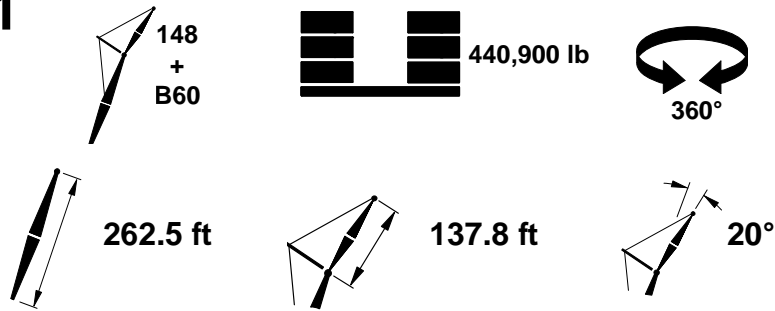
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
75									75
80									80
85									85
90									90
95									95
100	82.3	375.5	31,000			31,000			100
105	81.6	374.2	30,200	26,800		30,200	26,800		105
110	80.8	372.7	29,600	26,300	23,500	29,600	26,300	23,500	110
115	80.0	371.3	28,900	25,800	23,100	28,900	25,800	23,100	115
120	79.2	369.7	28,300	25,300	22,700	28,300	25,300	22,700	120
125	78.4	368.1	27,600	24,800	22,300	27,600	24,800	22,300	125
130	77.6	366.3	27,000	24,300	22,000	27,000	24,300	22,000	130
135	76.8	364.5	26,400	23,900	21,600	26,400	23,900	21,600	135
140	76.0	362.7	25,900	23,400	21,200	25,900	23,400	21,200	140
145	75.2	360.7	25,300	22,900	20,800	25,300	22,900	20,800	145
150	74.3	358.7	24,700	22,500	20,400	24,700	22,500	20,400	150
155	73.5	356.6	24,200	22,000	20,100	24,200	22,000	20,100	155
160	72.7	354.3	23,700	21,600	19,800	23,700	21,600	19,800	160
165	71.8	352.1	23,200	21,200	19,400	23,200	21,200	19,400	165
170	71.0	349.7	22,700	20,800	19,000	22,700	20,800	19,000	170
175	70.2	347.2	22,200	20,300	18,700	22,200	20,300	18,700	175
180	69.3	344.6	21,800	20,000	18,400	21,800	20,000	18,400	180
190	67.6	339.2	20,900	19,200	17,700	20,900	19,200	17,700	190
200	65.8	333.4	20,000	18,600	17,100	20,000	18,600	17,100	200
210	64.0	327.1	19,300	17,900	16,500	19,300	17,900	16,500	210
220	62.2	320.4	18,500	17,200	16,000	18,500	17,200	16,000	220
230	60.3	313.2	17,800	16,600	15,400	17,800	16,600	15,400	230
240	58.4	305.6	17,100	16,000	14,900	17,100	16,000	14,900	240
250	56.4	297.3	16,600	15,400	14,400	16,600	15,400	14,400	250
260	54.4	288.5	16,000	14,900	13,900	16,000	14,900	13,900	260
270	52.3	279.0	15,400	14,400	13,600	15,400	14,400	13,600	270
280	50.2	268.7	14,800	14,000	13,100	14,800	14,000	13,100	280
290	47.9	257.7	14,400	13,600	12,700	14,400	13,600	12,700	290
300	45.5	245.6	13,300	11,700	10,100	13,900	13,100	12,300	300
310	43.0	232.5	9,700	8,200	6,800	13,500	12,700	12,000	310
320	40.4	218.1				13,100	12,400	11,700	320
330	37.5	202.1				12,800	12,100	11,400	330
340	34.4	184.1				12,400	11,800	11,200	340
350	30.8	163.3				12,200	11,600	11,000	350
360	26.8	138.4				12,000	11,400	10,800	360
370									370

MLC650 VPC-MAX S-1



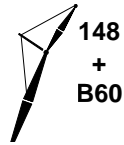
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
80	82.6	403.6	41,200			41,200			80
85	81.9	402.6	40,400	34,100		40,400	34,100		85
90	81.2	401.6	39,500	33,500		39,500	33,500		90
95	80.4	400.4	38,700	32,900	28,500	38,700	32,900	28,500	95
100	79.7	399.3	37,800	32,300	28,100	37,800	32,300	28,100	100
105	78.9	398.0	37,000	31,700	27,700	37,000	31,700	27,700	105
110	78.2	396.7	36,200	31,100	27,200	36,200	31,100	27,200	110
115	77.5	395.3	35,300	30,600	26,800	35,300	30,600	26,800	115
120	76.7	393.8	34,600	30,000	26,300	34,600	30,000	26,300	120
125	76.0	392.3	33,800	29,500	25,900	33,800	29,500	25,900	125
130	75.2	390.7	33,000	28,900	25,500	33,000	28,900	25,500	130
135	74.5	389.0	32,300	28,300	25,100	32,300	28,300	25,100	135
140	73.7	387.3	31,600	27,800	24,700	31,600	27,800	24,700	140
145	72.9	385.4	30,900	27,200	24,200	30,900	27,200	24,200	145
150	72.2	383.5	30,200	26,800	23,800	30,200	26,800	23,800	150
155	71.4	381.5	29,500	26,200	23,400	29,500	26,200	23,400	155
160	70.6	379.5	28,900	25,700	23,000	28,900	25,700	23,000	160
165	69.9	377.3	28,200	25,200	22,600	28,200	25,200	22,600	165
170	69.1	375.1	27,600	24,800	22,300	27,600	24,800	22,300	170
175	68.3	372.8	27,000	24,200	21,800	27,000	24,200	21,800	175
180	67.5	370.4	26,400	23,800	21,500	26,400	23,800	21,500	180
190	65.9	365.4	25,300	22,900	20,700	25,300	22,900	20,700	190
200	64.3	360.0	24,200	22,000	20,000	24,200	22,000	20,000	200
210	62.6	354.2	23,200	21,200	19,300	23,200	21,200	19,300	210
220	60.9	348.1	22,300	20,400	18,600	22,300	20,400	18,600	220
230	59.2	341.5	21,300	19,600	18,000	21,300	19,600	18,000	230
240	57.5	334.5	20,500	18,800	17,300	20,500	18,800	17,300	240
250	55.7	327.0	19,600	18,200	16,700	19,600	18,200	16,700	250
260	53.9	319.0	18,800	17,500	16,200	18,800	17,500	16,200	260
270	52.0	310.5	18,200	15,900	13,700	18,200	16,900	15,600	270
280	50.0	301.3	14,200	12,100	10,100	17,400	16,300	15,100	280
290	48.0	291.6	10,500	8,600	6,800	16,800	15,600	14,600	290
300	46.0	281.1	7,000			16,100	15,100	14,100	300
310	43.8	269.7				15,500	14,600	13,600	310
320	41.5	257.5				15,000	14,000	13,100	320
330	39.2	244.2				14,400	13,600	12,700	330
340	36.6	229.7				13,900	13,200	12,300	340
350	33.9	213.6				13,500	12,700	11,900	350
360	31.0	195.6				13,000	12,400	11,600	360
370	27.7	175.0				12,600	12,000	11,300	370
380	24.0	150.8				12,300	11,600	11,000	380
390	19.4	120.5				12,100	11,400	10,800	390

MLC650 VPC-MAX S-1

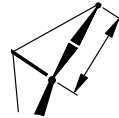


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
80									80
85									85
90									90
95									95
100	82.7	395.7	31,300			31,300			100
105	82.0	394.4	30,600	27,000		30,600	27,000		105
110	81.2	393.1	29,900	26,500		29,900	26,500		110
115	80.5	391.6	29,300	26,100	23,300	29,300	26,100	23,300	115
120	79.7	390.2	28,700	25,600	22,900	28,700	25,600	22,900	120
125	79.0	388.6	28,100	25,100	22,600	28,100	25,100	22,600	125
130	78.2	387.0	27,500	24,700	22,100	27,500	24,700	22,100	130
135	77.5	385.3	26,900	24,200	21,800	26,900	24,200	21,800	135
140	76.7	383.5	26,300	23,700	21,500	26,300	23,700	21,500	140
145	75.9	381.7	25,800	23,300	21,100	25,800	23,300	21,100	145
150	75.2	379.8	25,300	22,900	20,800	25,300	22,900	20,800	150
155	74.4	377.8	24,800	22,400	20,400	24,800	22,400	20,400	155
160	73.6	375.7	24,300	22,000	20,100	24,300	22,000	20,100	160
165	72.8	373.5	23,800	21,600	19,800	23,800	21,600	19,800	165
170	72.0	371.3	23,300	21,200	19,400	23,300	21,200	19,400	170
175	71.2	368.9	22,800	20,900	19,100	22,800	20,900	19,100	175
180	70.4	366.5	22,400	20,400	18,800	22,400	20,400	18,800	180
190	68.8	361.4	21,500	19,800	18,100	21,500	19,800	18,100	190
200	67.2	356.0	20,700	19,100	17,500	20,700	19,100	17,500	200
210	65.5	350.2	19,900	18,400	16,900	19,900	18,400	16,900	210
220	63.8	343.9	19,200	17,700	16,400	19,200	17,700	16,400	220
230	62.1	337.3	18,400	17,100	15,900	18,400	17,100	15,900	230
240	60.3	330.2	17,800	16,500	15,400	17,800	16,500	15,400	240
250	58.5	322.6	17,100	16,000	14,900	17,100	16,000	14,900	250
260	56.6	314.5	16,600	15,400	14,500	16,600	15,400	14,500	260
270	54.7	305.8	16,000	15,000	14,100	16,000	15,000	14,100	270
280	52.7	296.5	15,500	14,600	13,600	15,500	14,600	13,600	280
290	50.7	286.6	14,400	12,400	10,500	15,000	14,100	13,200	290
300	48.6	275.9	10,700	8,800	7,100	14,600	13,700	12,800	300
310	46.4	264.3	7,100			14,100	13,200	12,500	310
320	44.1	251.8				13,700	12,900	12,100	320
330	41.6	238.2				13,300	12,500	11,900	330
340	39.0	223.2				13,000	12,200	11,500	340
350	36.2	206.6				12,600	11,900	11,300	350
360	33.2	187.9				12,400	11,700	11,100	360
370	29.7	166.3				12,200	11,500	10,900	370
380	25.7	140.5				12,000	11,400	10,800	380
390									390

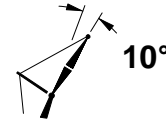
MLC650 VPC-MAX S-1



282.2 ft



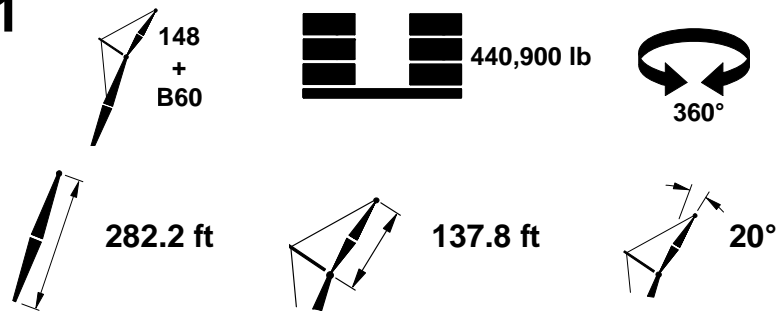
137.8 ft



10°

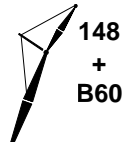
ft	ft	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
80	83.0	423.6	41,500			41,500			80
85	82.3	422.7	40,700			40,700			85
90	81.6	421.7	39,900	33,700		39,900	33,700		90
95	80.9	420.6	39,100	33,100	28,500	39,100	33,100	28,500	95
100	80.2	419.5	38,200	32,500	28,200	38,200	32,500	28,200	100
105	79.5	418.3	37,500	32,000	27,800	37,500	32,000	27,800	105
110	78.8	417.0	36,700	31,400	27,400	36,700	31,400	27,400	110
115	78.1	415.7	35,900	30,900	27,000	35,900	30,900	27,000	115
120	77.4	414.3	35,200	30,400	26,600	35,200	30,400	26,600	120
125	76.7	412.8	34,400	29,800	26,100	34,400	29,800	26,100	125
130	75.9	411.3	33,700	29,300	25,700	33,700	29,300	25,700	130
135	75.2	409.7	33,000	28,800	25,400	33,000	28,800	25,400	135
140	74.5	408.1	32,300	28,300	25,000	32,300	28,300	25,000	140
145	73.8	406.3	31,600	27,800	24,500	31,600	27,800	24,500	145
150	73.1	404.5	31,000	27,300	24,200	31,000	27,300	24,200	150
155	72.3	402.7	30,300	26,800	23,800	30,300	26,800	23,800	155
160	71.6	400.7	29,700	26,300	23,400	29,700	26,300	23,400	160
165	70.9	398.7	29,000	25,800	23,000	29,000	25,800	23,000	165
170	70.1	396.6	28,400	25,300	22,700	28,400	25,300	22,700	170
175	69.4	394.4	27,800	24,900	22,300	27,800	24,900	22,300	175
180	68.6	392.2	27,300	24,400	22,000	27,300	24,400	22,000	180
190	67.1	387.4	26,100	23,500	21,300	26,100	23,500	21,300	190
200	65.6	382.4	25,100	22,700	20,500	25,100	22,700	20,500	200
210	64.0	376.9	24,100	21,800	19,900	24,100	21,800	19,900	210
220	62.5	371.2	23,100	21,000	19,200	23,100	21,000	19,200	220
230	60.9	365.0	22,200	20,300	18,500	22,200	20,300	18,500	230
240	59.2	358.5	21,300	19,600	18,000	21,300	19,600	18,000	240
250	57.6	351.5	20,500	18,900	17,400	20,500	18,900	17,400	250
260	55.9	344.1	19,700	18,200	16,800	19,700	18,200	16,800	260
270	54.1	336.2	19,000	17,600	15,600	19,000	17,600	16,200	270
280	52.4	327.8	16,500	14,100	11,800	18,300	17,000	15,700	280
290	50.5	318.9	12,500	10,300	8,200	17,600	16,400	15,200	290
300	48.6	309.4	8,800	6,800		17,000	15,800	14,700	300
310	46.7	299.2				16,300	15,300	14,300	310
320	44.7	288.2				15,800	14,700	13,800	320
330	42.6	276.5				15,200	14,300	13,300	330
340	40.4	263.8				14,700	13,800	13,000	340
350	38.0	250.0				14,300	13,300	12,600	350
360	35.6	234.9				13,800	12,900	12,200	360
370	32.9	218.3				13,300	12,600	11,800	370
380	30.0	199.6				12,900	12,200	11,500	380
390	26.8	178.4				12,600	11,900	11,200	390
400	23.2	153.3				12,200	11,600	11,000	400
410	18.7	121.9				12,000	11,400	10,700	410

MLC650 VPC-MAX S-1

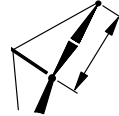


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
80									80
85									85
90									90
95									95
100									100
105	82.4	414.6	30,900			30,900			105
110	81.7	413.3	30,200	26,700		30,200	26,700		110
115	81.0	412.0	29,600	26,300	23,400	29,600	26,300	23,400	115
120	80.2	410.6	29,000	25,800	23,100	29,000	25,800	23,100	120
125	79.5	409.1	28,400	25,400	22,700	28,400	25,400	22,700	125
130	78.8	407.6	27,900	24,900	22,400	27,900	24,900	22,400	130
135	78.1	405.9	27,300	24,500	22,000	27,300	24,500	22,000	135
140	77.4	404.3	26,800	24,000	21,700	26,800	24,000	21,700	140
145	76.6	402.5	26,300	23,600	21,300	26,300	23,600	21,300	145
150	75.9	400.7	25,800	23,200	21,000	25,800	23,200	21,000	150
155	75.2	398.8	25,300	22,800	20,700	25,300	22,800	20,700	155
160	74.4	396.8	24,800	22,400	20,300	24,800	22,400	20,300	160
165	73.7	394.8	24,300	22,100	20,000	24,300	22,100	20,000	165
170	72.9	392.7	23,800	21,600	19,700	23,800	21,600	19,700	170
175	72.2	390.5	23,400	21,300	19,400	23,400	21,300	19,400	175
180	71.4	388.2	23,000	20,900	19,100	23,000	20,900	19,100	180
190	69.9	383.4	22,000	20,200	18,500	22,000	20,200	18,500	190
200	68.4	378.3	21,200	19,500	17,900	21,200	19,500	17,900	200
210	66.8	372.8	20,500	18,800	17,300	20,500	18,800	17,300	210
220	65.2	367.0	19,800	18,300	16,900	19,800	18,300	16,900	220
230	63.6	360.8	19,000	17,700	16,400	19,000	17,700	16,400	230
240	61.9	354.1	18,400	17,100	15,900	18,400	17,100	15,900	240
250	60.2	347.1	17,800	16,500	15,300	17,800	16,500	15,300	250
260	58.5	339.6	17,200	16,000	14,900	17,200	16,000	14,900	260
270	56.8	331.6	16,600	15,600	14,500	16,600	15,600	14,500	270
280	55.0	323.1	16,100	15,100	14,100	16,100	15,100	14,100	280
290	53.1	314.0	15,600	14,600	12,400	15,600	14,600	13,600	290
300	51.2	304.3	12,900	10,700	8,700	15,100	14,200	13,300	300
310	49.2	293.9	9,100	7,100		14,700	13,700	12,900	310
320	47.1	282.8				14,200	13,400	12,600	320
330	45.0	270.8				13,800	13,000	12,200	330
340	42.7	257.8				13,500	12,700	12,000	340
350	40.4	243.6				13,200	12,400	11,700	350
360	37.8	228.1				12,800	12,100	11,400	360
370	35.1	210.9				12,500	11,900	11,200	370
380	32.1	191.5				12,300	11,600	11,000	380
390	28.7	169.2				12,100	11,400	10,800	390
400	24.8	142.4				12,000	11,400	10,800	400
410									410

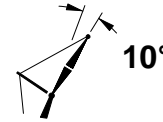
MLC650 VPC-MAX S-1



301.8 ft



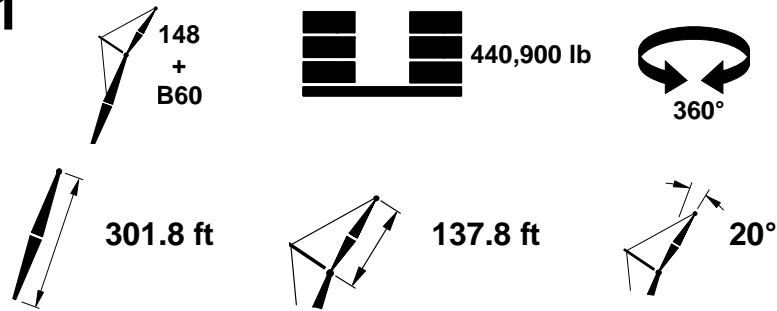
137.8 ft



10°

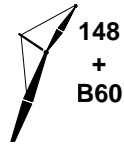
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
85	82.6	442.7	40,900			40,900			85
90	82.0	441.7	40,100	33,800		40,100	33,800		90
95	81.3	440.7	39,400	33,200		39,400	33,200		95
100	80.6	439.6	38,600	32,700	28,200	38,600	32,700	28,200	100
105	80.0	438.5	37,900	32,200	27,900	37,900	32,200	27,900	105
110	79.3	437.3	37,100	31,600	27,500	37,100	31,600	27,500	110
115	78.6	436.0	36,400	31,200	27,200	36,400	31,200	27,200	115
120	77.9	434.7	35,700	30,600	26,700	35,700	30,600	26,700	120
125	77.3	433.3	35,000	30,100	26,400	35,000	30,100	26,400	125
130	76.6	431.9	34,300	29,600	25,900	34,300	29,600	25,900	130
135	75.9	430.3	33,600	29,200	25,600	33,600	29,200	25,600	135
140	75.2	428.8	32,900	28,700	25,200	32,900	28,700	25,200	140
145	74.5	427.1	32,200	28,200	24,800	32,200	28,200	24,800	145
150	73.9	425.4	31,600	27,700	24,400	31,600	27,700	24,400	150
155	73.2	423.6	31,000	27,200	24,100	31,000	27,200	24,100	155
160	72.5	421.8	30,300	26,800	23,800	30,300	26,800	23,800	160
165	71.8	419.9	29,700	26,300	23,400	29,700	26,300	23,400	165
170	71.1	417.9	29,200	25,800	23,000	29,200	25,800	23,000	170
175	70.4	415.8	28,600	25,400	22,700	28,600	25,400	22,700	175
180	69.7	413.7	28,000	25,000	22,300	28,000	25,000	22,300	180
190	68.2	409.2	26,900	24,100	21,700	26,900	24,100	21,700	190
200	66.8	404.4	25,900	23,200	21,000	25,900	23,200	21,000	200
210	65.3	399.3	24,900	22,500	20,300	24,900	22,500	20,300	210
220	63.8	393.9	23,900	21,700	19,700	23,900	21,700	19,700	220
230	62.3	388.1	23,000	21,000	19,100	23,000	21,000	19,100	230
240	60.8	381.9	22,200	20,300	18,500	22,200	20,300	18,500	240
250	59.2	375.4	21,300	19,500	17,900	21,300	19,500	17,900	250
260	57.7	368.5	20,600	18,900	16,200	20,600	18,900	17,300	260
270	56.1	361.2	17,600	14,800	12,100	19,900	18,200	16,800	270
280	54.4	353.4	13,300	10,800	8,300	19,100	17,600	16,300	280
290	52.7	345.2	9,400	7,000		18,400	17,000	15,800	290
300	51.0	336.4				17,800	16,500	15,300	300
310	49.2	327.1				17,200	16,000	14,800	310
320	47.4	317.1				16,600	15,400	14,400	320
330	45.5	306.5				16,000	14,900	14,000	330
340	43.5	295.1				15,500	14,500	13,500	340
350	41.4	283.0				15,000	14,000	13,100	350
360	39.3	269.8				14,500	13,600	12,700	360
370	37.0	255.5				14,000	13,200	12,400	370
380	34.6	240.0				13,600	12,800	12,100	380
390	32.0	222.8				13,200	12,500	11,700	390
400	29.2	203.6				12,800	12,100	11,400	400
410	26.0	181.6				12,500	11,800	11,100	410
420	22.4	155.8				12,200	11,600	10,900	420
430	18.0	123.3				12,000	11,300	10,700	430

MLC650 VPC-MAX S-1

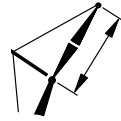


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
85									85
90									90
95									95
100									100
105	82.7	434.7	31,100			31,100			105
110	82.1	433.5	30,500			30,500			110
115	81.4	432.2	29,900	26,400		29,900	26,400		115
120	80.7	430.9	29,300	26,000	23,200	29,300	26,000	23,200	120
125	80.0	429.5	28,800	25,600	22,800	28,800	25,600	22,800	125
130	79.3	428.0	28,300	25,100	22,500	28,300	25,100	22,500	130
135	78.6	426.5	27,700	24,700	22,200	27,700	24,700	22,200	135
140	78.0	424.9	27,200	24,300	21,900	27,200	24,300	21,900	140
145	77.3	423.2	26,700	23,900	21,600	26,700	23,900	21,600	145
150	76.6	421.5	26,200	23,600	21,200	26,200	23,600	21,200	150
155	75.9	419.7	25,700	23,100	20,900	25,700	23,100	20,900	155
160	75.2	417.9	25,200	22,800	20,600	25,200	22,800	20,600	160
165	74.5	415.9	24,700	22,400	20,300	24,700	22,400	20,300	165
170	73.8	413.9	24,300	22,100	20,000	24,300	22,100	20,000	170
175	73.0	411.8	23,900	21,700	19,700	23,900	21,700	19,700	175
180	72.3	409.7	23,400	21,300	19,400	23,400	21,300	19,400	180
190	70.9	405.1	22,600	20,600	18,800	22,600	20,600	18,800	190
200	69.4	400.3	21,800	19,900	18,300	21,800	19,900	18,300	200
210	68.0	395.1	21,000	19,300	17,700	21,000	19,300	17,700	210
220	66.5	389.6	20,300	18,700	17,200	20,300	18,700	17,200	220
230	64.9	383.8	19,600	18,100	16,800	19,600	18,100	16,800	230
240	63.4	377.6	19,000	17,600	16,300	19,000	17,600	16,300	240
250	61.8	371.0	18,400	17,000	15,800	18,400	17,000	15,800	250
260	60.2	364.0	17,800	16,500	15,300	17,800	16,500	15,300	260
270	58.6	356.6	17,200	16,000	14,900	17,200	16,000	14,900	270
280	56.9	348.7	16,700	15,600	13,100	16,700	15,600	14,500	280
290	55.2	340.3	14,100	11,600	9,200	16,200	15,100	14,100	290
300	53.4	331.4	10,100	7,800		15,700	14,600	13,700	300
310	51.6	321.9				15,200	14,300	13,300	310
320	49.7	311.8				14,800	13,900	13,000	320
330	47.8	301.0				14,300	13,500	12,700	330
340	45.8	289.4				14,000	13,200	12,400	340
350	43.7	277.0				13,600	12,900	12,100	350
360	41.5	263.5				13,300	12,500	11,800	360
370	39.2	248.9				13,000	12,200	11,500	370
380	36.7	232.9				12,700	12,000	11,400	380
390	34.0	215.1				12,400	11,800	11,100	390
400	31.1	195.1				12,200	11,600	11,000	400
410	27.8	172.0				12,100	11,500	10,800	410
420									420
430									430

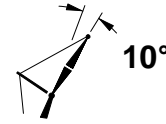
MLC650 VPC-MAX S-1



321.5 ft



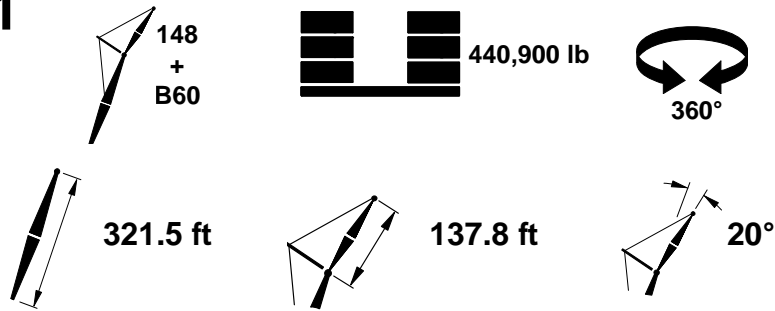
137.8 ft



10°

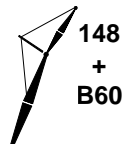
ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
85	82.9	462.6	41,100			41,100			85
90	82.3	461.7	40,400			40,400			90
95	81.7	460.8	39,700	33,300		39,700	33,300		95
100	81.0	459.7	38,900	32,800		38,900	32,800		100
105	80.4	458.6	38,200	32,300	27,800	38,200	32,300	27,800	105
110	79.8	457.5	37,500	31,900	27,500	37,500	31,900	27,500	110
115	79.1	456.3	36,800	31,300	27,200	36,800	31,300	27,200	115
120	78.5	455.0	36,100	30,800	26,800	36,100	30,800	26,800	120
125	77.8	453.7	35,500	30,300	26,500	35,500	30,300	26,500	125
130	77.2	452.3	34,800	29,900	26,100	34,800	29,900	26,100	130
135	76.5	450.9	34,100	29,500	25,700	34,100	29,500	25,700	135
140	75.9	449.4	33,500	29,000	25,400	33,500	29,000	25,400	140
145	75.2	447.8	32,800	28,600	25,100	32,800	28,600	25,100	145
150	74.6	446.2	32,200	28,100	24,700	32,200	28,100	24,700	150
155	73.9	444.5	31,600	27,600	24,300	31,600	27,600	24,300	155
160	73.3	442.7	31,000	27,200	24,000	31,000	27,200	24,000	160
165	72.6	440.9	30,400	26,800	23,700	30,400	26,800	23,700	165
170	71.9	439.0	29,900	26,300	23,300	29,900	26,300	23,300	170
175	71.3	437.0	29,300	25,900	23,000	29,300	25,900	23,000	175
180	70.6	435.0	28,800	25,400	22,700	28,800	25,400	22,700	180
190	69.2	430.8	27,600	24,600	22,000	27,600	24,600	22,000	190
200	67.9	426.2	26,600	23,800	21,400	26,600	23,800	21,400	200
210	66.5	421.4	25,700	23,000	20,700	25,700	23,000	20,700	210
220	65.1	416.2	24,700	22,300	20,200	24,700	22,300	20,200	220
230	63.6	410.8	23,800	21,600	19,600	23,800	21,600	19,600	230
240	62.2	405.0	22,900	20,800	19,000	22,900	20,800	19,000	240
250	60.7	398.9	22,200	18,800	15,400	22,200	20,200	18,400	250
260	59.3	392.4	17,500	14,200	11,100	21,400	19,500	17,800	260
270	57.7	385.5	12,900	9,800	7,000	20,600	18,900	17,300	270
280	56.2	378.3	8,600			19,900	18,300	16,800	280
290	54.6	370.6				19,200	17,700	16,400	290
300	53.0	362.4				18,600	17,200	15,900	300
310	51.4	353.8				17,900	16,600	15,400	310
320	49.7	344.7				17,300	16,100	15,000	320
330	47.9	335.0				16,800	15,600	14,500	330
340	46.2	324.6				16,200	15,100	14,100	340
350	44.3	313.6				15,700	14,600	13,700	350
360	42.4	301.9				15,200	14,200	13,300	360
370	40.4	289.3				14,700	13,800	12,900	370
380	38.3	275.7				14,300	13,400	12,600	380
390	36.0	260.9				13,900	13,100	12,200	390
400	33.7	244.9				13,500	12,700	11,900	400
410	31.1	227.2				13,100	12,400	11,600	410
420	28.4	207.4				12,700	12,100	11,300	420
430	25.3	184.7				12,500	11,700	11,000	430
440	21.7	158.1				11,900	11,500	10,400	440
450	17.4	124.5				8,900	9,300	8,300	450

MLC650 VPC-MAX S-1

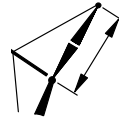


ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
85									85
90									90
95									95
100									100
105									105
110	82.4	453.6	30,800			30,800			110
115	81.8	452.4	30,200	26,500		30,200	26,500		115
120	81.1	451.2	29,600	26,100		29,600	26,100		120
125	80.5	449.8	29,100	25,800	22,900	29,100	25,800	22,900	125
130	79.8	448.4	28,600	25,400	22,600	28,600	25,400	22,600	130
135	79.2	447.0	28,000	24,900	22,300	28,000	24,900	22,300	135
140	78.5	445.5	27,600	24,600	22,000	27,600	24,600	22,000	140
145	77.8	443.9	27,100	24,200	21,700	27,100	24,200	21,700	145
150	77.2	442.2	26,600	23,800	21,400	26,600	23,800	21,400	150
155	76.5	440.5	26,100	23,400	21,100	26,100	23,400	21,100	155
160	75.8	438.7	25,700	23,100	20,800	25,700	23,100	20,800	160
165	75.2	436.9	25,200	22,700	20,500	25,200	22,700	20,500	165
170	74.5	435.0	24,800	22,400	20,200	24,800	22,400	20,200	170
175	73.8	433.0	24,300	22,000	19,900	24,300	22,000	19,900	175
180	73.1	431.0	23,900	21,700	19,600	23,900	21,700	19,600	180
190	71.8	426.7	23,100	21,000	19,100	23,100	21,000	19,100	190
200	70.4	422.1	22,300	20,400	18,600	22,300	20,400	18,600	200
210	69.0	417.2	21,600	19,700	18,000	21,600	19,700	18,000	210
220	67.6	412.0	20,800	19,100	17,600	20,800	19,100	17,600	220
230	66.1	406.5	20,200	18,600	17,000	20,200	18,600	17,000	230
240	64.7	400.6	19,600	18,100	16,600	19,600	18,100	16,600	240
250	63.2	394.4	18,900	17,500	16,100	18,900	17,500	16,100	250
260	61.7	387.9	18,400	17,000	15,700	18,400	17,000	15,700	260
270	60.2	380.9	17,800	15,600	12,500	17,800	16,400	15,300	270
280	58.6	373.6	14,100	11,200	8,400	17,200	16,000	14,800	280
290	57.0	365.8	9,800	7,100		16,700	15,600	14,500	290
300	55.4	357.5				16,200	15,100	14,100	300
310	53.7	348.8				15,700	14,800	13,700	310
320	52.0	339.5				15,300	14,300	13,400	320
330	50.2	329.6				14,900	13,900	13,100	330
340	48.4	319.1				14,500	13,600	12,800	340
350	46.5	307.9				14,100	13,200	12,500	350
360	44.6	295.9				13,700	13,000	12,200	360
370	42.5	283.0				13,500	12,600	11,900	370
380	40.4	269.1				13,200	12,400	11,700	380
390	38.1	254.0				12,900	12,100	11,500	390
400	35.6	237.4				12,600	11,900	11,200	400
410	33.0	219.1				12,400	11,700	11,000	410
420	30.1	198.4				12,200	11,500	10,900	420
430	26.9	174.6				12,000	11,400	10,800	430
440									440
450									450

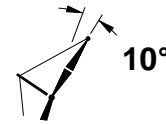
MLC650 VPC-MAX S-1



341.2 ft



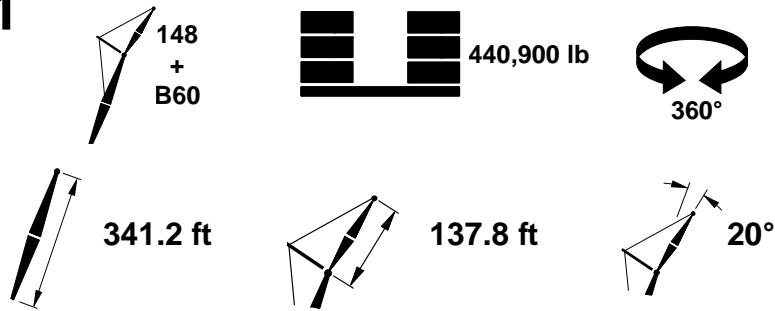
137.8 ft



10°

ft	°	ft	38.7 ft			60.0 ft			ft
			0°	1°	2°	0°	1°	2°	
			lb	lb	lb	lb	lb	lb	
90	82.6	481.7	40,500			40,500			90
95	82.0	480.8	39,900			39,900			95
100	81.4	479.8	39,200	32,900		39,200	32,900		100
105	80.8	478.8	38,500	32,400	27,800	38,500	32,400	27,800	105
110	80.2	477.7	37,900	31,900	27,500	37,900	31,900	27,500	110
115	79.6	476.5	37,200	31,400	27,200	37,200	31,400	27,200	115
120	79.0	475.3	36,500	31,000	26,900	36,500	31,000	26,900	120
125	78.3	474.0	35,900	30,600	26,500	35,900	30,600	26,500	125
130	77.7	472.7	35,200	30,100	26,200	35,200	30,100	26,200	130
135	77.1	471.3	34,600	29,700	25,800	34,600	29,700	25,800	135
140	76.5	469.9	34,000	29,300	25,600	34,000	29,300	25,600	140
145	75.9	468.4	33,400	28,800	25,200	33,400	28,800	25,200	145
150	75.2	466.8	32,800	28,400	24,900	32,800	28,400	24,900	150
155	74.6	465.2	32,200	28,000	24,500	32,200	28,000	24,500	155
160	74.0	463.6	31,600	27,600	24,200	31,600	27,600	24,200	160
165	73.3	461.8	31,000	27,100	23,900	31,000	27,100	23,900	165
170	72.7	460.0	30,500	26,700	23,600	30,500	26,700	23,600	170
175	72.1	458.1	29,900	26,300	23,300	29,900	26,300	23,300	175
180	71.4	456.2	29,400	25,900	23,000	29,400	25,900	23,000	180
190	70.1	452.2	28,300	25,100	22,400	28,300	25,100	22,400	190
200	68.8	447.8	27,300	24,300	21,700	27,300	24,300	21,700	200
210	67.5	443.2	26,400	23,600	21,100	26,400	23,600	21,100	210
220	66.2	438.4	25,500	22,800	20,600	25,500	22,800	20,600	220
230	64.8	433.2	24,600	22,100	20,000	24,600	22,100	20,000	230
240	63.5	427.7	23,700	21,400	19,400	23,700	21,400	19,400	240
250	62.1	421.9	22,900	20,800	18,900	22,900	20,800	18,900	250
260	60.7	415.8	21,700	18,000	14,500	22,200	20,100	18,300	260
270	59.3	409.4	16,800	13,400	10,200	21,400	19,500	17,800	270
280	57.8	402.5	12,200	9,100		20,700	18,900	17,300	280
290	56.3	395.3	8,000			20,000	18,300	16,800	290
300	54.8	387.7				19,300	17,800	16,300	300
310	53.3	379.7				18,700	17,300	15,900	310
320	51.7	371.2				18,100	16,700	15,500	320
330	50.1	362.2				17,500	16,200	15,000	330
340	48.5	352.7				17,000	15,700	14,600	340
350	46.8	342.7				16,500	15,300	14,200	350
360	45.0	332.0				15,900	14,800	13,800	360
370	43.2	320.6				15,400	14,400	13,400	370
380	41.3	308.4				15,000	14,000	13,100	380
390	39.4	295.4				14,500	13,600	12,800	390
400	37.3	281.4				14,200	13,200	12,400	400
410	35.1	266.2				13,700	12,900	12,100	410
420	32.8	249.6				13,300	12,600	11,800	420
430	30.3	231.4				11,800	11,400	10,000	430
440	27.6	211.0				8,800	9,200	7,900	440
450	24.6	187.7					7,000		450

MLC650 VPC-MAX S-1



ft	ft	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
90									90
95									95
100									100
105									105
110	82.7	473.8	30,900			30,900			110
115	82.1	472.6	30,400			30,400			115
120	81.5	471.4	29,900	26,300		29,900	26,300		120
125	80.9	470.1	29,400	25,900	23,000	29,400	25,900	23,000	125
130	80.2	468.8	28,900	25,500	22,700	28,900	25,500	22,700	130
135	79.6	467.4	28,400	25,100	22,400	28,400	25,100	22,400	135
140	79.0	465.9	27,900	24,700	22,100	27,900	24,700	22,100	140
145	78.4	464.4	27,400	24,400	21,800	27,400	24,400	21,800	145
150	77.7	462.8	27,000	24,100	21,500	27,000	24,100	21,500	150
155	77.1	461.2	26,500	23,700	21,200	26,500	23,700	21,200	155
160	76.5	459.5	26,000	23,300	21,000	26,000	23,300	21,000	160
165	75.8	457.8	25,600	23,000	20,700	25,600	23,000	20,700	165
170	75.2	455.9	25,200	22,600	20,400	25,200	22,600	20,400	170
175	74.5	454.1	24,800	22,300	20,100	24,800	22,300	20,100	175
180	73.9	452.1	24,400	22,000	19,900	24,400	22,000	19,900	180
190	72.6	448.0	23,600	21,300	19,400	23,600	21,300	19,400	190
200	71.3	443.7	22,700	20,700	18,900	22,700	20,700	18,900	200
210	69.9	439.0	22,100	20,100	18,400	22,100	20,100	18,400	210
220	68.6	434.1	21,300	19,500	17,800	21,300	19,500	17,800	220
230	67.2	428.9	20,700	19,000	17,400	20,700	19,000	17,400	230
240	65.9	423.3	20,100	18,400	16,900	20,100	18,400	16,900	240
250	64.5	417.5	19,500	17,900	16,500	19,500	17,900	16,500	250
260	63.0	411.3	18,900	17,400	16,000	18,900	17,400	16,000	260
270	61.6	404.8	18,300	16,900	15,700	18,300	16,900	15,700	270
280	60.1	397.9	17,700	16,400	15,300	17,700	16,400	15,300	280
290	58.7	390.6	13,500	10,500	7,600	17,200	16,000	14,900	290
300	57.1	382.9	9,300			16,800	15,600	14,500	300
310	55.6	374.7				16,300	15,200	14,100	310
320	54.0	366.1				15,900	14,800	13,800	320
330	52.4	357.0				15,400	14,400	13,400	330
340	50.7	347.4				15,000	14,100	13,100	340
350	49.0	337.1				14,600	13,700	12,800	350
360	47.2	326.2				14,300	13,400	12,500	360
370	45.3	314.6				13,900	13,100	12,300	370
380	43.4	302.2				13,600	12,800	12,000	380
390	41.4	288.9				13,300	12,500	11,800	390
400	39.3	274.5				13,000	12,200	11,500	400
410	37.1	259.0				12,800	12,000	11,400	410
420	34.7	241.9				12,500	11,800	11,100	420
430	32.1	223.0				12,300	11,600	10,900	430
440	29.3	201.7				10,300	10,300	8,900	440
450	26.1	177.2				7,100	7,900	6,600	450