

Liftcrane Boom Capacities

Boom No. B60:680
with Mast No. M11:684
661,300 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 2

 **LIFTING CAPACITIES:** Lifting capacities are for a crawler machine when operating on a barge. Machine shall be positively secured to prevent shifting. Lifting capacities for various boom lengths and operating radii are for freely suspended loads and may be based on percent of static tipping or strength of structural components.

Upper boom point capacity for liftcrane service with single part whip line from Drum 3 is 30,000 lb or 60,000 lb with two part whip line. When Drum 1 or Drum 2 is used, capacity with single part whip line is 48,800 lb or 73,500 lb with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves is considered part of load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

BOOM BACKWARD STABILITY: Capacities indicated by (b) require 8,200 lb minimum weight suspended beneath boom 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 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**, Mast Rigging **No. 84050187**, Wire Rope Specifications chart **No. 9387-A**, Counterweight Arrangements chart **No. 9349-A**, and Wind Conditions chart **No. 9388-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.

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

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

 **BOOM POINT ELEVATION:** Boom point elevation is vertical distance from barge deck to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 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 661,300 lb VPC.

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

Consult chart **No. 9722-A** when jib No. 148 is attached.

Deduct From Capacities When Jib No. 148 Is Attached	
Jib Length (ft)	Deduct (lb)
39.4	19,200
59.1	28,400
78.7	36,900
98.4	45,000
118.1	56,000
137.8	63,300
Weight of jib and 6,500 lb suspended beneath jib point have been included in determination of deduct.	

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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 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 length. Counterweight position selection may be changed with boom on barge deck or while boom is within operating range of capacity chart.

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

Table 1

Over End or Side of Crawlers						
Boom Length (ft)	38.7 ft Counterweight Position			60.0 ft Counterweight Position		
	Machine List					
	0°	1°	2°	0°	1°	2°
	Block Weight (lb)					
144.4 - 223.1	46,500	46,500	46,500	46,500	46,500	46,500
242.8 - 262.5	22,600	22,600	22,600	46,500	46,500	46,500
282.2 - 341.2	16,200	16,200	16,200	46,500	46,500	46,500
360.9	#	#	#	22,600	22,600	22,600
380.6	Raising Not Permitted			22,600	22,600	22,600
400.3				22,600	16,200	16,200
419.9				16,200	16,200	
439.6				#		
459.3						

Table 2

Over End of Blocked Crawlers						
Boom Length (ft)	38.7 ft Counterweight Position			60.0 ft Counterweight Position		
	Machine List					
	0°	1°	2°	0°	1°	2°
	Block Weight (lb)					
144.4 - 223.1	46,500	46,500	46,500	46,500	46,500	46,500
242.8 - 262.5	22,600	22,600	22,600	46,500	46,500	46,500
282.2 - 341.2	16,200	16,200	16,200	46,500	46,500	46,500
360.9	#	#	#	22,600	22,600	22,600
380.6	#	#	#	22,600	22,600	22,600
400.3	Raising Not Permitted			22,600	16,200	16,200
419.9				16,200	16,200	
439.6				#		
459.3				#		
Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. <i>Crane tipping or structural damage can occur.</i>						

Explanation of Symbols



Boom No. B60:680



VPC (Variable Position Counterweight)



360 Degree Rating



Boom Length



Operating Radius
(see page 1)



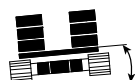
Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)



Counterweight Position
from Axis of Rotation



Machine List



Lifting Capacities
(see page 1)

MLC650

VPC-MAX S-2



B60

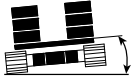
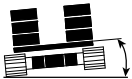
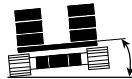
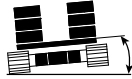
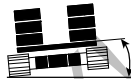
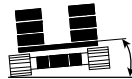


661,300 lb



360°

144.4 ft

			38.7 ft			60.0 ft			
									
ft	°	ft	lb	lb	lb	lb	lb	lb	ft
28	82.7	152.8	1,418,300c			1,460,100c			28
30	81.9	152.5	1,297,700c	1,051,400c		1,460,100c	1,051,400c		30
32	81.1	152.1	1,195,000c	1,027,300c		1,424,000c	1,027,300c		32
34	80.3	151.7	1,106,400c	1,004,100c		1,387,200c	1,004,100c		34
36	79.5	151.3	1,029,200b	945,500b	853,800c	1,387,200b	981,900b	853,800c	36
38	78.6	150.8	961,400b	887,400b	823,100c	1,387,200b	960,600b	837,500c	38
40	77.8	150.3	901,400b	835,400b	777,800c	1,378,200b	940,200b	821,800c	40
45	75.8	149.0	777,500	726,900	681,900b	1,239,100	925,500	784,900b	45
50	73.7	147.5	681,100	641,200	605,200	1,120,800	925,500	751,200	50
55	71.6	145.7	604,000	571,800	542,500	1,016,600	925,500	751,200	55
60	69.5	143.8	540,900	514,400	490,100	929,100	889,300	751,200	60
65	67.3	141.6	488,300	466,200	445,800	854,700	820,800	751,200	65
70	65.1	139.2	443,700	425,100	407,800	790,500	752,400	715,900	70
75	62.9	136.6	405,500	389,600	374,800	722,300	688,900	657,900	75
80	60.6	133.7	372,300	358,700	346,000	663,000	634,600	608,100	80
85	58.2	130.5	343,300	331,500	320,500	612,000	587,600	564,700	85
90	55.8	127.0	317,600	307,400	297,800	567,600	546,500	526,600	90
95	53.3	123.2	294,800	285,900	277,500	528,700	510,300	492,900	95
100	50.7	119.0	274,300	266,600	259,200	494,200	478,200	462,900	100
105	48.0	114.4	255,800	249,100	242,700	463,500	449,400	435,900	105
110	45.2	109.4	239,100	233,200	227,600	435,900	423,600	411,700	110
115	42.2	103.8	223,800	218,700	213,800	411,000	400,200	389,700	115
120	39.1	97.6	209,800	205,400	201,100	388,500	378,900	369,700	120
125	35.7	90.6	196,900	193,100	189,400	367,900	359,500	351,400	125
130	31.9	82.6	185,000	181,700	178,600	349,100	341,800	334,700	130
135	27.7	73.2	173,800	171,100	168,500	331,700	325,500	319,300	135
140	22.7	61.6	163,300	161,200	159,100	315,700	310,400	305,200	140
145	16.1	45.7	153,300	151,700	150,300	300,700	296,600	292,400	145

MLC650 VPC-MAX S-2



B60



661,300 lb



360°

164.0 ft

			38.7 ft			60.0 ft			
ft	°	ft	0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	ft
30	82.9	172.4	1,300,000b			1,352,900b			30
32	82.2	172.1	1,196,700b			1,350,900b			32
34	81.4	171.7	1,107,600b	937,200b		1,317,400b	937,200b		34
36	80.7	171.4	1,030,000	917,500	787,500b	1,285,500	917,500	787,500b	36
38	80.0	171.0	961,900	877,900	773,300b	1,281,900	898,600	773,300b	38
40	79.3	170.6	901,500	826,600	759,500b	1,281,900	880,400	759,500b	40
45	77.5	169.4	777,000	719,300	668,900	1,215,200	837,800	727,100	45
50	75.7	168.0	680,100	634,500	594,000	1,103,900	837,800	697,300	50
55	73.9	166.5	602,600	565,700	532,500	1,009,800	837,800	669,700	55
60	72.0	164.8	539,200	508,700	481,100	925,000	837,800	669,700	60
65	70.2	163.0	486,300	460,800	437,600	850,600	812,000	669,700	65
70	68.3	160.9	441,600	420,000	400,200	786,500	744,700	669,700	70
75	66.4	158.6	403,200	384,700	367,700	719,900	681,900	647,100	75
80	64.4	156.2	369,900	354,000	339,200	660,500	628,100	598,200	80
85	62.5	153.5	340,800	327,000	314,100	609,500	581,500	555,500	85
90	60.4	150.6	315,000	303,000	291,700	565,100	540,800	518,100	90
95	58.4	147.4	292,100	281,500	271,600	526,100	504,900	484,900	95
100	56.3	144.0	271,600	262,300	253,500	491,700	472,900	455,200	100
105	54.1	140.3	253,200	244,900	237,100	460,900	444,400	428,700	105
110	51.8	136.3	236,400	229,100	222,200	433,400	418,700	404,700	110
115	49.5	132.0	221,200	214,700	208,500	408,500	395,400	382,900	115
120	47.1	127.3	207,200	201,500	196,000	386,000	374,300	363,100	120
125	44.6	122.2	194,400	189,300	184,400	365,400	355,000	344,900	125
130	42.0	116.6	182,600	178,000	173,700	346,600	337,300	328,300	130
135	39.2	110.4	171,600	167,600	163,800	329,400	321,000	313,000	135
140	36.3	103.5	161,400	157,900	154,600	313,400	306,000	298,800	140
145	33.1	95.8	151,900	148,900	145,900	298,700	292,100	285,700	145
150	29.6	87.1	143,000	140,400	137,900	285,000	279,200	273,500	150
160	20.8	64.1	126,500	124,700	123,100	260,300	256,000	251,800	160

MLC650

VPC-MAX S-2



B60



661,300 lb



360°

183.7 ft

			38.7 ft			60.0 ft			
ft	°	ft	0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	ft
32	83.0	192.0	1,196,700			1,263,000			32
34	82.4	191.7	1,107,200			1,254,900			34
36	81.7	191.4	1,029,300	861,100		1,225,600	861,100		36
38	81.1	191.0	960,800	844,000		1,197,500	844,000		38
40	80.5	190.6	900,200	816,500	705,700	1,187,100	827,600	705,700	40
45	78.9	189.6	775,100	710,600	654,900	1,187,100	789,000	676,800	45
50	77.3	188.4	677,800	626,600	581,800	1,083,500	753,600	650,000	50
55	75.7	187.1	600,000	558,400	521,600	992,100	753,600	625,100	55
60	74.0	185.6	536,300	502,000	471,200	913,700	753,600	602,000	60
65	72.4	183.9	483,200	454,400	428,400	845,600	753,600	602,000	65
70	70.7	182.1	438,300	413,900	391,600	781,800	736,600	602,000	70
75	69.1	180.2	399,800	378,800	359,600	716,800	674,400	602,000	75
80	67.4	178.0	366,400	348,200	331,500	657,400	621,100	588,000	80
85	65.6	175.7	337,200	321,300	306,700	606,300	575,000	546,100	85
90	63.9	173.2	311,400	297,500	284,500	561,900	534,500	509,200	90
95	62.1	170.5	288,400	276,100	264,700	522,900	498,900	476,500	95
100	60.3	167.5	267,800	257,000	246,800	488,400	467,200	447,300	100
105	58.5	164.4	249,300	239,700	230,600	457,700	438,800	421,100	105
110	56.6	161.1	232,600	223,900	215,800	430,100	413,300	397,400	110
115	54.7	157.5	217,300	209,600	202,300	405,300	390,200	375,900	115
120	52.7	153.6	203,400	196,400	189,900	382,700	369,200	356,200	120
125	50.7	149.4	190,600	184,300	178,400	362,200	350,000	338,300	125
130	48.6	145.0	178,700	173,200	167,800	343,400	332,400	321,800	130
135	46.4	140.1	167,800	162,800	158,000	326,100	316,200	306,600	135
140	44.2	134.9	157,700	153,200	148,900	310,200	301,200	292,500	140
145	41.8	129.3	148,300	144,200	140,300	295,500	287,400	279,500	145
150	39.4	123.1	139,400	135,800	132,400	281,900	274,500	267,300	150
160	34.0	109.0	123,400	120,600	117,800	257,300	251,300	245,500	160
170	27.6	91.2	109,100	107,000	104,900	235,800	231,000	226,400	170
180	19.2	66.4	96,100	94,700	93,300	216,700	213,200	209,600	180

MLC650 VPC-MAX S-2



B60



661,300 lb



360°

203.4 ft

203.4 ft									
ft	°	ft	38.7 ft			60.0 ft			ft
			0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	
36	82.5	211.3	1,030,700			1,163,400			36
38	82.0	211.0	961,900	790,200		1,138,000	790,200		38
40	81.4	210.7	900,900	775,600		1,113,600	775,600		40
45	80.0	209.7	775,100	703,700	628,600	1,113,600	741,200	628,600	45
50	78.5	208.6	677,300	620,600	571,600	1,062,300	709,300	605,000	50
55	77.1	207.4	599,100	553,000	512,600	974,200	687,000	582,800	55
60	75.6	206.1	535,100	496,900	463,100	898,200	687,000	562,100	60
65	74.2	204.6	481,700	449,700	421,000	832,100	687,000	542,700	65
70	72.7	203.0	436,600	409,300	384,700	774,000	687,000	542,700	70
75	71.2	201.3	397,900	374,400	353,100	715,200	668,500	542,700	75
80	69.7	199.4	364,300	344,000	325,400	655,700	615,700	542,700	80
85	68.2	197.3	335,000	317,200	300,800	604,500	569,800	538,200	85
90	66.6	195.1	309,000	293,400	278,900	560,000	529,700	501,800	90
95	65.1	192.7	286,000	272,100	259,200	521,000	494,300	469,600	95
100	63.5	190.1	265,400	253,000	241,500	486,400	462,800	440,800	100
105	61.9	187.4	246,800	235,700	225,400	455,600	434,500	414,800	105
110	60.2	184.5	229,900	220,000	210,800	428,000	409,100	391,400	110
115	58.6	181.4	214,600	205,700	197,300	403,100	386,100	370,100	115
120	56.9	178.1	200,600	192,600	185,000	380,500	365,200	350,700	120
125	55.2	174.5	187,800	180,500	173,700	360,000	346,100	332,900	125
130	53.4	170.8	176,000	169,400	163,100	341,200	328,600	316,600	130
135	51.6	166.7	165,000	159,000	153,400	323,900	312,400	301,500	135
140	49.7	162.4	154,900	149,500	144,300	308,000	297,500	287,500	140
145	47.8	157.9	145,400	140,500	135,800	293,300	283,700	274,600	145
150	45.9	153.0	136,600	132,200	127,900	279,600	270,900	262,500	150
160	41.7	142.0	120,700	117,000	113,500	255,100	247,800	240,700	160
170	37.1	129.3	106,600	103,600	100,700	233,600	227,500	221,600	170
180	32.0	114.0	93,900	91,500	89,200	214,600	209,600	204,700	180
190	25.9	94.9	82,500	80,700	78,900	197,800	193,700	189,700	190
200	17.9	68.3	71,900	70,700	69,400	182,500	179,500	176,400	200

MLC650

VPC-MAX S-2



B60



661,300 lb



360°

223.1 ft

223.1 ft									
			38.7 ft			60.0 ft			
			0°	1°	2°	0°	1°	2°	
ft	°	ft	lb	lb	lb	lb	lb	lb	ft
38	82.7	230.9	965,500			1,081,000			38
40	82.2	230.6	904,200			1,059,000			40
45	80.9	229.8	777,900	697,700	549,400	1,011,800	697,700	549,400	45
50	79.6	228.8	679,700	617,500	549,400	1,011,800	669,300	549,400	50
55	78.2	227.7	601,100	550,500	506,600	957,600	642,800	545,500	55
60	76.9	226.5	536,800	494,800	458,100	884,400	634,600	527,100	60
65	75.6	225.1	483,300	447,900	416,600	820,400	634,600	509,700	65
70	74.3	223.7	437,900	407,800	380,900	764,100	634,600	493,300	70
75	72.9	222.1	399,100	373,100	349,800	714,000	634,600	493,300	75
80	71.6	220.4	365,400	342,800	322,400	656,300	612,600	493,300	80
85	70.2	218.5	335,900	316,100	298,100	605,100	567,100	493,300	85
90	68.8	216.5	309,900	292,400	276,500	560,500	527,300	493,300	90
95	67.4	214.4	286,700	271,300	257,000	521,400	492,100	465,200	95
100	66.0	212.1	266,000	252,200	239,500	486,800	460,800	436,800	100
105	64.6	209.7	247,400	235,000	223,500	455,900	432,700	411,200	105
110	63.1	207.1	230,500	219,400	209,000	428,300	407,400	388,000	110
115	61.7	204.4	215,100	205,100	195,700	403,300	384,600	367,000	115
120	60.2	201.5	201,100	192,000	183,500	380,700	363,700	347,800	120
125	58.7	198.4	188,200	179,900	172,200	360,200	344,700	330,200	125
130	57.1	195.1	176,300	168,800	161,700	341,300	327,300	314,000	130
135	55.6	191.6	165,400	158,500	152,100	324,000	311,200	299,000	135
140	54.0	187.9	155,200	149,000	143,000	308,100	296,300	285,200	140
145	52.3	184.0	145,800	140,100	134,600	293,400	282,600	272,300	145
150	50.7	179.8	137,000	131,700	126,800	279,700	269,800	260,300	150
160	47.2	170.7	121,000	116,600	112,400	255,100	246,800	238,700	160
170	43.5	160.5	106,900	103,300	99,700	233,700	226,600	219,700	170
180	39.5	148.7	94,400	91,300	88,400	214,800	208,700	202,800	180
190	35.2	135.0	83,100	80,600	78,200	197,900	192,800	187,800	190
200	30.3	118.7	72,900	70,900	68,900	182,900	178,600	174,400	200
210	24.5	98.4	63,500	61,900	60,400	169,200	165,700	162,300	210
220	16.7	70.0	54,700	53,600	52,600	156,800	154,100	151,400	220

MLC650 VPC-MAX S-2



B60

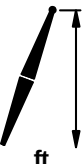
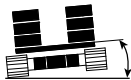
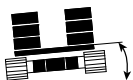
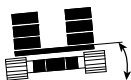
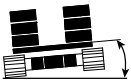
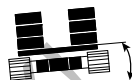
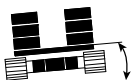


661,300 lb



360°

242.8 ft

 242.8 ft									
			 38.7 ft			 60.0 ft			
			 0° lb	 1° lb	 2° lb	 0° lb	 1° lb	 2° lb	
40	82.8	250.5	903,500			956,400			40
45	81.6	249.7	776,700	654,500		956,400	654,500		45
50	80.4	248.8	678,100	610,400	483,600	954,200	629,100	483,600	50
55	79.2	247.8	599,200	544,000	483,600	936,500	605,300	483,600	55
60	78.0	246.7	534,600	488,900	449,200	866,300	582,900	483,600	60
65	76.8	245.5	480,800	442,300	408,500	804,600	582,900	476,400	65
70	75.6	244.2	435,300	402,400	373,300	750,000	582,900	461,600	70
75	74.3	242.7	396,300	368,000	342,600	701,400	582,900	447,600	75
80	73.1	241.2	362,500	337,800	315,600	654,200	582,900	447,600	80
85	71.9	239.5	332,900	311,300	291,700	602,800	561,700	447,600	85
90	70.6	237.7	306,800	287,700	270,300	558,200	522,100	447,600	90
95	69.3	235.8	283,600	266,600	251,000	519,000	487,200	447,600	95
100	68.1	233.7	262,800	247,600	233,600	484,300	456,000	430,100	100
105	66.8	231.5	244,100	230,400	217,800	453,500	428,100	404,900	105
110	65.5	229.2	227,100	214,800	203,400	425,800	403,000	382,000	110
115	64.2	226.7	211,700	200,600	190,200	400,800	380,300	361,200	115
120	62.8	224.1	197,700	187,500	178,100	378,200	359,500	342,200	120
125	61.5	221.3	184,700	175,500	166,900	357,500	340,600	324,700	125
130	60.1	218.4	172,800	164,400	156,600	338,700	323,200	308,700	130
135	58.7	215.3	161,900	154,200	146,900	321,400	307,200	293,900	135
140	57.3	212.1	151,700	144,600	138,000	305,400	292,400	280,100	140
145	55.9	208.6	142,200	135,700	129,600	290,700	278,700	267,400	145
150	54.4	205.0	133,400	127,400	121,800	277,000	266,000	255,500	150
160	51.4	197.1	117,400	112,400	107,600	252,400	243,000	234,000	160
170	48.3	188.4	103,400	99,000	94,900	230,900	222,900	215,100	170
180	45.0	178.6	90,800	87,200	83,700	212,000	205,100	198,300	180
190	41.5	167.5	79,600	76,500	73,500	195,200	189,200	183,400	190
200	37.7	154.9	69,500	66,900	64,300	180,100	175,000	170,000	200
210	33.5	140.4	60,300	58,100	56,000	166,600	162,200	157,900	210
220	28.8	123.1	51,800	50,000	48,300	154,300	150,500	146,900	220
230	23.2	101.5	44,000	42,500	41,200	143,000	140,000	136,900	230
240	15.7	71.4	36,500	35,500	34,600	132,600	130,300	127,900	240

MLC650 VPC-MAX S-2



B60



661,300 lb



360°

262.5 ft

262.5 ft									
			38.7 ft			60.0 ft			
			0°	1°	2°	0°	1°	2°	
ft	°	ft	lb	lb	lb	lb	lb	lb	ft
45	82.3	269.7	776,600			809,300			45
50	81.1	268.8	677,700	577,900		809,300	577,900		50
55	80.0	267.9	598,600	539,100	428,400	809,300	572,900	428,400	55
60	78.9	266.9	533,800	484,400	428,400	809,300	552,600	428,400	60
65	77.8	265.8	479,900	438,200	402,000	790,500	533,400	428,400	65
70	76.7	264.6	434,200	398,600	367,400	737,700	533,400	428,400	70
75	75.6	263.2	395,100	364,400	337,200	690,500	533,400	422,000	75
80	74.4	261.8	361,200	334,400	310,500	648,200	533,400	409,800	80
85	73.3	260.2	331,500	308,000	286,900	601,700	533,400	409,800	85
90	72.1	258.6	305,400	284,500	265,700	557,000	518,200	409,800	90
95	71.0	256.8	282,100	263,500	246,700	517,800	483,500	409,800	95
100	69.8	254.9	261,200	244,700	229,500	483,100	452,600	409,800	100
105	68.6	252.9	242,500	227,600	213,900	452,200	424,800	399,900	105
110	67.4	250.8	225,500	212,000	199,600	424,500	399,900	377,300	110
115	66.2	248.6	210,100	197,900	186,600	399,500	377,200	356,700	115
120	65.0	246.2	196,000	184,800	174,600	376,800	356,600	337,900	120
125	63.8	243.7	183,000	172,900	163,500	356,200	337,800	320,700	125
130	62.6	241.1	171,100	161,800	153,200	337,300	320,500	304,800	130
135	61.3	238.3	160,100	151,600	143,600	320,000	304,600	290,100	135
140	60.1	235.4	149,900	142,100	134,800	304,000	289,800	276,500	140
145	58.8	232.3	140,400	133,200	126,500	289,300	276,200	263,900	145
150	57.5	229.0	131,600	125,000	118,700	275,600	263,500	252,100	150
160	54.8	222.1	115,600	109,900	104,600	251,000	240,600	230,800	160
170	52.1	214.4	101,600	96,700	92,000	229,500	220,600	212,000	170
180	49.2	205.9	89,100	84,800	80,800	210,600	202,800	195,400	180
190	46.2	196.5	77,900	74,200	70,800	193,800	187,000	180,500	190
200	43.0	186.0	67,800	64,700	61,700	178,700	172,900	167,200	200
210	39.7	174.2	58,600	55,900	53,400	165,200	160,100	155,100	210
220	36.0	160.8	50,300	48,000	45,800	152,900	148,500	144,100	220
230	32.0	145.4	42,600	40,700	38,800	141,800	137,900	134,200	230
240	27.5	127.2	35,400	33,900	32,300	131,500	128,300	125,000	240
250	22.1	104.5	28,800	27,500	26,300	122,100	119,400	116,700	250

MLC650 VPC-MAX S-2



B60

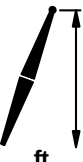
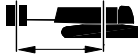
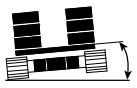
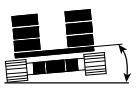
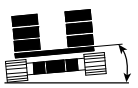
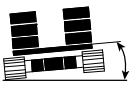
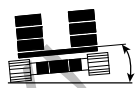
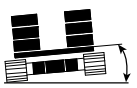


661,300 lb



360°

282.2 ft

282.2 ft									
 ft	 °	 ft	38.7 ft			60.0 ft			 ft
			 0° lb	 1° lb	 2° lb	 0° lb	 1° lb	 2° lb	
45	82.8	289.6	686,900			686,900			45
50	81.8	288.8	686,900	487,400		686,900	487,400		50
55	80.7	287.9	633,700	487,400	369,800	686,900	487,400	369,800	55
60	79.7	287.0	565,200	487,400	369,800	686,900	487,400	369,800	60
65	78.7	286.0	508,200	461,000	369,800	686,900	487,400	369,800	65
70	77.6	284.8	460,000	419,700	369,800	686,900	487,400	369,800	70
75	76.6	283.6	418,600	383,800	353,200	677,000	487,400	369,800	75
80	75.5	282.3	382,800	352,400	325,500	635,900	487,400	369,800	80
85	74.5	280.8	351,400	324,700	300,900	598,700	487,400	369,800	85
90	73.4	279.3	323,800	300,100	278,900	554,200	487,400	369,800	90
95	72.3	277.7	299,200	278,100	259,100	514,900	478,200	369,800	95
100	71.3	275.9	277,100	258,300	241,200	480,200	447,400	369,800	100
105	70.2	274.1	257,300	240,300	224,900	449,200	419,900	369,800	105
110	69.1	272.1	239,400	224,000	210,000	421,500	395,100	369,800	110
115	68.0	270.1	223,100	209,100	196,300	396,500	372,500	350,600	115
120	66.9	267.9	208,200	195,500	183,800	373,800	352,000	332,000	120
125	65.8	265.6	194,500	182,900	172,200	353,100	333,300	315,000	125
130	64.7	263.2	182,000	171,300	161,500	334,200	316,100	299,200	130
135	63.5	260.7	170,300	160,600	151,500	316,900	300,200	284,700	135
140	62.4	258.0	159,600	150,600	142,200	300,900	285,500	271,200	140
145	61.2	255.2	149,600	141,300	133,500	286,100	271,900	258,700	145
150	60.0	252.3	140,300	132,600	125,400	272,400	259,300	247,000	150
160	57.6	246.0	123,400	116,800	110,600	247,800	236,500	225,800	160
170	55.2	239.1	108,600	102,900	97,500	226,300	216,500	207,200	170
180	52.6	231.6	95,400	90,500	85,800	207,400	198,800	190,600	180
190	50.0	223.3	83,600	79,300	75,300	190,500	183,000	175,900	190
200	47.2	214.2	73,000	69,300	65,700	175,500	168,900	162,600	200
210	44.4	204.1	63,400	60,200	57,100	162,000	156,200	150,600	210
220	41.3	193.0	54,700	51,800	49,100	149,700	144,600	139,700	220
230	38.1	180.5	46,700	44,200	41,900	138,600	134,100	129,700	230
240	34.6	166.4	39,300	37,200	35,100	128,400	124,400	120,600	240
250	30.7	150.2	32,400	30,600	28,900	119,000	115,600	112,200	250
260	26.3	131.1	26,000	24,500	23,100	110,300	107,400	104,500	260
270	21.1	107.2	19,900	18,800	17,600	102,300	99,800	97,400	270

MLC650 VPC-MAX S-2



B60



661,300 lb



360°

301.8 ft

			38.7 ft			60.0 ft			
ft	°	ft	0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	ft
50	82.3	308.7	589,700			589,700			50
55	81.4	307.9	589,700	415,500		589,700	415,500		55
60	80.4	307.0	564,000	415,500	312,600	589,700	415,500	312,600	60
65	79.4	306.1	506,800	415,500	312,600	589,700	415,500	312,600	65
70	78.5	305.0	458,500	415,300	312,600	589,700	415,500	312,600	70
75	77.5	303.9	417,000	379,700	312,600	589,700	415,500	312,600	75
80	76.5	302.6	381,100	348,500	312,600	589,700	415,500	312,600	80
85	75.5	301.3	349,700	321,000	295,700	588,900	415,500	312,600	85
90	74.5	299.9	321,900	296,600	274,000	552,800	415,500	312,600	90
95	73.5	298.4	297,300	274,700	254,400	513,500	415,500	312,600	95
100	72.5	296.8	275,200	254,900	236,700	478,700	415,500	312,600	100
105	71.5	295.0	255,400	237,100	220,500	447,700	415,500	312,600	105
110	70.5	293.2	237,400	220,800	205,800	419,900	391,700	312,600	110
115	69.5	291.3	221,000	206,000	192,300	394,900	369,300	312,600	115
120	68.5	289.3	206,100	192,400	179,800	372,200	348,900	312,600	120
125	67.5	287.2	192,400	179,900	168,400	351,500	330,300	310,800	125
130	66.4	285.0	179,800	168,300	157,700	332,600	313,100	295,200	130
135	65.4	282.7	168,200	157,600	147,800	315,200	297,400	280,800	135
140	64.3	280.2	157,400	147,700	138,600	299,200	282,800	267,500	140
145	63.3	277.7	147,400	138,400	130,000	284,400	269,200	255,000	145
150	62.2	275.0	138,100	129,700	121,900	270,700	256,600	243,400	150
160	60.0	269.3	121,200	114,000	107,300	246,100	233,900	222,500	160
170	57.8	263.0	106,400	100,100	94,200	224,600	214,000	204,000	170
180	55.5	256.2	93,200	87,800	82,600	205,700	196,400	187,600	180
190	53.1	248.8	81,400	76,700	72,100	188,800	180,700	172,900	190
200	50.6	240.7	70,800	66,600	62,700	173,800	166,600	159,700	200
210	48.1	231.8	61,200	57,600	54,100	160,300	153,900	147,700	210
220	45.5	222.1	52,500	49,300	46,200	148,000	142,400	136,900	220
230	42.7	211.5	44,500	41,700	39,000	136,900	131,900	127,000	230
240	39.8	199.7	37,200	34,700	32,300	126,700	122,300	117,900	240
250	36.6	186.6	30,400	28,200	26,200	117,400	113,400	109,600	250
260	33.2	171.8	24,100	22,200	20,400	108,800	105,300	101,900	260
270	29.5	154.8	18,200			100,800	97,700	94,700	270
280	25.2	134.7				93,300	90,700	88,100	280
290	20.1	109.7				86,400	84,200	82,000	290

MLC650 VPC-MAX S-2



B60

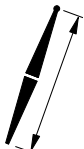
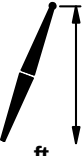
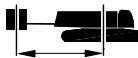
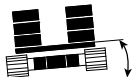
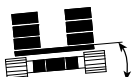
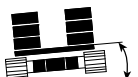
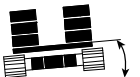
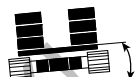
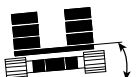


661,300 lb



360°

321.5 ft

 321.5 ft									
			 38.7 ft			 60.0 ft			
			 0° lb	 1° lb	 2° lb	 0° lb	 1° lb	 2° lb	
50	82.8	328.6	506,900			506,900			50
55	81.9	327.9	506,900	350,300		506,900	350,300		55
60	81.0	327.0	506,900	350,300	263,300	506,900	350,300	263,300	60
65	80.1	326.1	503,100	350,300	263,300	506,900	350,300	263,300	65
70	79.2	325.1	454,600	350,300	263,300	506,900	350,300	263,300	70
75	78.3	324.1	413,000	350,300	263,300	506,900	350,300	263,300	75
80	77.3	322.9	377,000	342,300	263,300	506,900	350,300	263,300	80
85	76.4	321.7	345,500	314,900	263,300	506,900	350,300	263,300	85
90	75.5	320.3	317,700	290,600	263,300	506,900	350,300	263,300	90
95	74.6	318.9	293,000	268,800	247,300	506,900	350,300	263,300	95
100	73.6	317.4	270,800	249,100	229,700	475,500	350,300	263,300	100
105	72.7	315.8	250,900	231,400	213,800	444,500	350,300	263,300	105
110	71.8	314.1	232,900	215,200	199,200	416,600	350,300	263,300	110
115	70.8	312.4	216,500	200,400	185,800	391,600	350,300	263,300	115
120	69.9	310.5	201,600	186,900	173,500	368,800	344,100	263,300	120
125	68.9	308.5	187,900	174,400	162,100	348,100	325,500	263,300	125
130	68.0	306.5	175,200	162,900	151,500	329,200	308,400	263,300	130
135	67.0	304.3	163,600	152,200	141,700	311,800	292,700	263,300	135
140	66.0	302.1	152,800	142,200	132,500	295,800	278,200	261,900	140
145	65.0	299.7	142,700	133,000	124,000	281,000	264,700	249,600	145
150	64.0	297.2	133,400	124,400	116,000	267,200	252,200	238,100	150
160	62.0	292.0	116,500	108,700	101,400	242,600	229,500	217,300	160
170	60.0	286.2	101,600	94,800	88,400	221,100	209,700	199,000	170
180	57.9	280.0	88,400	82,500	76,900	202,100	192,100	182,700	180
190	55.7	273.2	76,700	71,400	66,500	185,300	176,400	168,100	190
200	53.5	265.9	66,100	61,400	57,100	170,200	162,400	154,900	200
210	51.2	258.0	56,500	52,400	48,500	156,700	149,700	143,100	210
220	48.9	249.3	47,700	44,100	40,700	144,400	138,200	132,300	220
230	46.4	239.9	39,800	36,600	33,500	133,300	127,800	122,400	230
240	43.9	229.7	32,400	29,600	26,900	123,100	118,200	113,400	240
250	41.2	218.5	25,700	23,200	20,800	113,800	109,400	105,100	250
260	38.4	206.1	19,400	17,200		105,200	101,200	97,400	260
270	35.3	192.4				97,200	93,700	90,300	270
280	32.0	176.9				89,900	86,700	83,700	280
290	28.4	159.1				83,000	80,200	77,500	290
300	24.3	138.2				76,500	74,100	71,800	300
310	19.3	112.1				70,400	68,400	66,400	310

MLC650

VPC-MAX S-2



B60



661,300 lb



360°

341.2 ft

			38.7 ft			60.0 ft			
ft	°	ft	0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	ft
55	82.4	347.8	461,300			461,300			55
60	81.5	347.0	461,300	307,600		461,300	307,600		60
65	80.7	346.1	461,300	307,600	231,000	461,300	307,600	231,000	65
70	79.8	345.2	461,300	307,600	231,000	461,300	307,600	231,000	70
75	78.9	344.2	438,300	307,600	231,000	461,300	307,600	231,000	75
80	78.1	343.1	400,300	307,600	231,000	461,300	307,600	231,000	80
85	77.2	341.9	367,200	307,600	231,000	461,300	307,600	231,000	85
90	76.4	340.7	337,900	307,600	231,000	461,300	307,600	231,000	90
95	75.5	339.4	311,900	284,900	231,000	461,300	307,600	231,000	95
100	74.6	338.0	288,600	264,400	231,000	461,300	307,600	231,000	100
105	73.7	336.5	267,600	245,800	226,200	442,800	307,600	231,000	105
110	72.9	334.9	248,600	228,800	211,100	415,000	307,600	231,000	110
115	72.0	333.2	231,400	213,400	197,100	389,800	307,600	231,000	115
120	71.1	331.5	215,700	199,200	184,300	367,100	307,600	231,000	120
125	70.2	329.7	201,200	186,100	172,400	346,300	307,600	231,000	125
130	69.3	327.7	187,900	174,100	161,400	327,400	305,400	231,000	130
135	68.4	325.7	175,700	162,900	151,200	310,000	289,800	231,000	135
140	67.5	323.6	164,300	152,500	141,600	294,000	275,300	231,000	140
145	66.6	321.4	153,800	142,800	132,700	279,100	261,900	231,000	145
150	65.6	319.1	143,900	133,800	124,400	265,400	249,400	231,000	150
160	63.8	314.2	126,200	117,400	109,200	240,700	226,800	213,900	160
170	61.9	308.9	110,500	102,900	95,700	219,200	207,000	195,700	170
180	59.9	303.2	96,700	89,900	83,600	200,200	189,500	179,500	180
190	58.0	297.0	84,300	78,300	72,800	183,400	173,900	165,000	190
200	55.9	290.3	73,200	67,900	62,900	168,300	159,900	152,000	200
210	53.9	283.0	63,100	58,400	54,000	154,800	147,300	140,200	210
220	51.7	275.2	53,900	49,800	45,900	142,500	135,800	129,400	220
230	49.5	266.8	45,600	41,900	38,400	131,400	125,400	119,600	230
240	47.3	257.6	37,900	34,600	31,500	121,300	115,800	110,600	240
250	44.9	247.7	30,800	27,900	25,100	111,900	107,100	102,300	250
260	42.4	237.0	24,300	21,700	19,200	103,300	99,000	94,700	260
270	39.8	225.2	18,200			95,400	91,500	87,600	270
280	37.1	212.3				88,000	84,500	81,000	280
290	34.1	197.9				81,200	78,000	74,900	290
300	31.0	181.7				74,800	71,900	69,200	300
310	27.4	163.3				68,800	66,300	63,800	310
320	23.4	141.4				63,100	60,900	58,800	320
330	18.5	114.2				57,800	55,900	54,100	330

MLC650 VPC-MAX S-2



B60



661,300 lb



360°

360.9 ft

			38.7 ft			60.0 ft			
ft	°	ft	0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	ft
60	82.0	366.9	402,000	259,600		402,000	259,600		60
65	81.2	366.1	402,000	259,600		402,000	259,600		65
70	80.4	365.2	402,000	259,600	193,600	402,000	259,600	193,600	70
75	79.6	364.3	402,000	259,600	193,600	402,000	259,600	193,600	75
80	78.7	363.3	395,600	259,600	193,600	402,000	259,600	193,600	80
85	77.9	362.2	362,300	259,600	193,600	402,000	259,600	193,600	85
90	77.1	361.0	333,000	259,600	193,600	402,000	259,600	193,600	90
95	76.3	359.7	306,900	259,600	193,600	402,000	259,600	193,600	95
100	75.5	358.4	283,500	257,900	193,600	402,000	259,600	193,600	100
105	74.7	357.0	262,500	239,400	193,600	402,000	259,600	193,600	105
110	73.8	355.5	243,500	222,600	193,600	402,000	259,600	193,600	110
115	73.0	354.0	226,300	207,100	190,000	386,300	259,600	193,600	115
120	72.2	352.3	210,500	193,000	177,300	363,500	259,600	193,600	120
125	71.3	350.6	196,000	180,000	165,500	342,700	259,600	193,600	125
130	70.5	348.8	182,700	168,000	154,600	323,700	259,600	193,600	130
135	69.6	346.9	170,400	156,800	144,400	306,300	259,600	193,600	135
140	68.8	344.9	159,000	146,500	135,000	290,200	259,600	193,600	140
145	67.9	342.9	148,500	136,800	126,100	275,400	257,100	193,600	145
150	67.1	340.7	138,600	127,800	117,900	261,600	244,700	193,600	150
160	65.3	336.2	120,900	111,500	102,800	236,900	222,200	193,600	160
170	63.5	331.2	105,200	97,000	89,400	215,400	202,500	190,500	170
180	61.7	325.9	91,300	84,100	77,400	196,400	185,000	174,400	180
190	59.9	320.1	79,000	72,600	66,600	179,500	169,500	160,000	190
200	58.0	313.9	67,800	62,200	56,800	164,500	155,500	147,000	200
210	56.1	307.3	57,800	52,700	48,000	150,900	142,900	135,300	210
220	54.2	300.1	48,600	44,100	39,900	138,700	131,500	124,600	220
230	52.2	292.4	40,300	36,300	32,500	127,600	121,100	114,900	230
240	50.1	284.2	32,700	29,000	25,600	117,400	111,600	106,000	240
250	48.0	275.2	25,600	22,400	19,300	108,100	102,800	97,700	250
260	45.8	265.6	19,100			99,500	94,700	90,100	260
270	43.5	255.3				91,600	87,300	83,100	270
280	41.1	244.0				84,300	80,300	76,500	280
290	38.6	231.7				77,400	73,900	70,400	290
300	35.9	218.2				71,100	67,900	64,700	300
310	33.1	203.2				65,100	62,200	59,400	310
320	30.0	186.4				59,500	56,900	54,400	320
330	26.5	167.2				54,200	51,900	49,700	330
340	22.6	144.5				49,200	47,200	45,300	340
350	17.8	116.2				44,500	42,800	41,100	350

MLC650

VPC-MAX S-2



B60



661,300 lb



360°

380.6 ft

			38.7 ft			60.0 ft			
ft	°	ft	0° lb	1° lb	2° lb	0° lb	1° lb	2° lb	ft
60	82.4	386.8	348,100			348,100			60
65	81.6	386.1	348,100	220,800		348,100	220,800		65
70	80.9	385.2	348,100	220,800	161,700	348,100	220,800	161,700	70
75	80.1	384.3	348,100	220,800	161,700	348,100	220,800	161,700	75
80	79.3	383.4	348,100	220,800	161,700	348,100	220,800	161,700	80
85	78.6	382.3	348,100	220,800	161,700	348,100	220,800	161,700	85
90	77.8	381.2	333,600	220,800	161,700	348,100	220,800	161,700	90
95	77.0	380.0	307,500	220,800	161,700	348,100	220,800	161,700	95
100	76.3	378.8	284,100	220,800	161,700	348,100	220,800	161,700	100
105	75.5	377.5	263,100	220,800	161,700	348,100	220,800	161,700	105
110	74.7	376.1	244,000	220,800	161,700	348,100	220,800	161,700	110
115	73.9	374.6	226,700	206,500	161,700	348,100	220,800	161,700	115
120	73.1	373.0	210,900	192,500	161,700	348,100	220,800	161,700	120
125	72.3	371.4	196,400	179,500	161,700	343,100	220,800	161,700	125
130	71.5	369.7	183,100	167,500	153,500	324,100	220,800	161,700	130
135	70.7	367.9	170,800	156,500	143,400	306,700	220,800	161,700	135
140	69.9	366.1	159,400	146,100	134,000	290,600	220,800	161,700	140
145	69.1	364.1	148,900	136,500	125,200	275,800	220,800	161,700	145
150	68.3	362.1	139,000	127,500	117,000	262,000	220,800	161,700	150
160	66.7	357.8	121,200	111,200	102,100	237,300	220,800	161,700	160
170	65.0	353.2	105,600	96,800	88,800	215,700	202,100	161,700	170
180	63.3	348.2	91,700	84,000	76,900	196,700	184,700	161,700	180
190	61.6	342.8	79,300	72,500	66,200	179,900	169,200	159,200	190
200	59.9	337.1	68,200	62,100	56,500	164,800	155,300	146,400	200
210	58.1	330.9	58,200	52,800	47,700	151,300	142,800	134,700	210
220	56.3	324.3	49,000	44,200	39,600	139,000	131,400	124,100	220
230	54.5	317.2	40,700	36,400	32,200	127,900	121,000	114,400	230
240	52.6	309.6	33,100	29,200	25,500	117,800	111,500	105,500	240
250	50.6	301.5	26,100	22,500	19,200	108,500	102,800	97,300	250
260	48.6	292.8	19,600			99,900	94,700	89,800	260
270	46.6	283.4				92,000	87,300	82,800	270
280	44.4	273.3				84,700	80,400	76,300	280
290	42.2	262.5				77,900	74,000	70,200	290
300	39.9	250.7				71,500	68,000	64,500	300
310	37.4	237.9				65,600	62,400	59,200	310
320	34.8	223.8				60,000	57,100	54,200	320
330	32.1	208.3				54,800	52,100	49,600	330
340	29.0	190.9				49,800	47,500	45,200	340
350	25.7	171.0				45,200	43,100	41,000	350
360	21.8	147.5				40,700	38,900	37,100	360
370	17.2	118.1				36,500	34,900	33,300	370



303,600	186,000	132,000
302,700	186,000	132,000
279,300	186,000	132,000
258,200	186,000	132,000
239,100	186,000	132,000
221,800	186,000	132,000
206,000	186,000	132,000
191,500	173,600	132,000
178,100	161,700	132,000
165,800	150,600	132,000
154,400	140,300	127,600
143,800	130,700	118,900
133,900	121,800	110,700
116,100	105,500	95,800
100,400	91,200	82,600
86,500	78,400	70,800
74,100	66,900	60,100
63,000	56,500	50,500

MLC650 VPC-MAX S-2



B60



661,300 lb



360°

419.9 ft							
			38.7 ft		60.0 ft		
ft	°	ft	0° lb	1° lb	0° lb	1° lb	ft
65	82.4	425.9	264,200		264,200		65
70	81.7	425.1	264,200	155,400	264,200	155,400	70
75	81.0	424.3	264,200	155,400	264,200	155,400	75
80	80.4	423.4	264,200	155,400	264,200	155,400	80
85	79.7	422.5	264,200	155,400	264,200	155,400	85
90	79.0	421.5	264,200	155,400	264,200	155,400	90
95	78.3	420.4	264,200	155,400	264,200	155,400	95
100	77.6	419.3	264,100	155,400	264,100	155,400	100
105	76.9	418.1	258,200	155,400	263,900	155,400	105
110	76.2	416.9	239,100	155,400	263,800	155,400	110
115	75.5	415.5	221,800	155,400	263,600	155,400	115
120	74.7	414.1	205,900	155,400	263,300	155,400	120
125	74.0	412.7	191,400	155,400	263,000	155,400	125
130	73.3	411.2	178,000	155,400	262,900	155,400	130
135	72.6	409.6	165,700	149,700	262,700	155,400	135
140	71.9	407.9	154,300	139,500	262,400	155,400	140
145	71.2	406.2	143,700	129,900	262,100	155,400	145
150	70.4	404.4	133,800	121,000	258,100	155,400	150
160	69.0	400.5	116,000	104,800	233,400	155,200	160
170	67.5	396.4	100,300	90,500	211,800	155,100	170
180	66.0	392.0	86,400	77,700	192,700	154,800	180
190	64.5	387.3	74,000	66,300	175,900	154,600	190
200	63.0	382.2	62,800	56,000	160,800	150,200	200
210	61.4	376.8	52,700	46,600	147,200	137,700	210
220	59.8	371.0	43,600	38,100	135,000	126,400	220
230	58.2	364.8	35,300	30,300	123,800	116,100	230
240	56.6	358.3	27,600	23,100	113,700	106,600	240
250	55.0	351.3	20,600		104,400	97,900	250
260	53.3	343.9			95,800	89,900	260
270	51.5	336.0			87,900	82,500	270
280	49.7	327.6			80,600	75,700	280
290	47.9	318.7			73,800	69,300	290
300	46.0	309.1			67,400	63,300	300
310	44.1	298.9			61,500	57,700	310
320	42.0	288.0			56,000	52,500	320
330	39.9	276.2			50,800	47,600	330
340	37.7	263.5			45,900	42,900	340
350	35.4	249.7			41,200	38,500	350
360	32.9	234.6			36,900	34,400	360
370	30.3	218.0			32,700	30,500	370
380	27.4	199.3			28,800	26,800	380
390	24.2	178.0			25,000	23,200	390
400	20.5	152.9			21,400	19,800	400
410	16.0	121.4			18,000		410

MLC650 VPC-MAX S-2



B60



661,300 lb



360°

439.6 ft					
		38.7 ft		60.0 ft	
		0°		0°	
ft	°	ft	lb	lb	ft
65	82.8	445.8	247,000	247,000	65
70	82.1	445.0	247,000	247,000	70
75	81.4	444.3	247,000	247,000	75
80	80.8	443.4	247,000	247,000	80
85	80.1	442.5	247,000	247,000	85
90	79.5	441.6	246,900	246,900	90
95	78.8	440.6	246,700	246,700	95
100	78.1	439.5	246,600	246,600	100
105	77.5	438.4	246,400	246,400	105
110	76.8	437.2	234,100	246,200	110
115	76.1	435.9	216,800	246,000	115
120	75.4	434.6	200,900	245,800	120
125	74.8	433.2	186,300	245,500	125
130	74.1	431.7	173,000	245,300	130
135	73.4	430.2	160,600	245,000	135
140	72.7	428.6	149,200	244,500	140
145	72.0	427.0	138,500	244,200	145
150	71.4	425.3	128,700	244,000	150
160	70.0	421.6	110,800	229,600	160
170	68.6	417.7	95,100	208,000	170
180	67.2	413.5	81,200	188,900	180
190	65.7	409.1	68,700	172,000	190
200	64.3	404.3	57,600	156,900	200
210	62.8	399.2	47,500	143,300	210
220	61.3	393.7	38,400	131,100	220
230	59.8	387.9	30,000	119,900	230
240	58.3	381.8	22,400	109,800	240
250	56.7	375.3	15,300	100,500	250
260	55.2	368.4		91,900	260
270	53.5	361.0		84,000	270
280	51.9	353.3		76,700	280
290	50.2	345.0		69,900	290
300	48.5	336.2		63,500	300
310	46.7	326.9		57,600	310
320	44.8	316.9		52,100	320
330	42.9	306.3		46,900	330
340	41.0	295.0		42,000	340
350	38.9	282.8		37,300	350
360	36.8	269.6		33,000	360
370	34.5	255.3		28,900	370
380	32.1	239.7		24,900	380
390	29.5	222.5		21,200	390
400	26.7	203.3		17,700	400

MLC650 VPC-MAX S-2



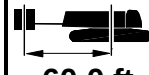
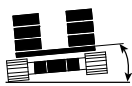
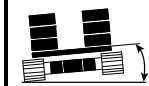
B60



661,300 lb



360°

 459.3 ft					
 ft	 °	 ft	 38.7 ft	 60.0 ft	 ft
			 0°	 0°	
70	82.4	464.9	215,100	215,100	70
75	81.8	464.2	215,100	215,100	75
80	81.2	463.4	215,000	215,000	80
85	80.6	462.5	214,800	214,800	85
90	79.9	461.6	214,700	214,700	90
95	79.3	460.7	214,500	214,500	95
100	78.6	459.6	214,300	214,300	100
105	78.0	458.5	214,200	214,200	105
110	77.4	457.4	213,900	213,900	110
115	76.7	456.2	213,700	213,700	115
120	76.1	454.9	200,600	213,500	120
125	75.4	453.6	186,100	213,200	125
130	74.8	452.2	172,600	213,000	130
135	74.1	450.8	160,300	212,700	135
140	73.5	449.3	148,800	212,500	140
145	72.8	447.7	138,200	212,000	145
150	72.2	446.1	128,300	211,700	150
160	70.9	442.6	110,300	211,100	160
170	69.5	438.9	94,600	207,600	170
180	68.2	434.9	80,700	188,600	180
190	66.8	430.7	68,200	171,700	190
200	65.5	426.1	57,100	156,600	200
210	64.1	421.3	47,000	143,000	210
220	62.7	416.1	37,800	130,700	220
230	61.3	410.7	29,500	119,600	230
240	59.8	404.9	21,800	109,400	240
250	58.4	398.8		100,100	250
260	56.9	392.3		91,500	260
270	55.4	385.4		83,600	270
280	53.8	378.1		76,300	280
290	52.2	370.5		69,500	290
300	50.6	362.3		63,200	300
310	49.0	353.7		57,200	310
320	47.3	344.5		51,700	320
330	45.5	334.8		46,500	330
340	43.8	324.5		41,600	340
350	41.9	313.5		37,000	350
360	40.0	301.7		32,700	360
370	38.0	289.1		28,600	370
380	35.9	275.5		24,700	380
390	33.6	260.8		21,000	390
400	31.3	244.7		17,400	400