

Liftcrane Boom Capacities

Boom No. B60:680
with Mast No. M11:684
200 000 kg 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: 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 13 600 kg or 27 200 kg with two part whip line. When Drum 1 or Drum 2 is used, capacity with single part whip line is 22 100 kg or 33 300 kg 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 3 720 kg minimum weight suspended beneath boom point and (c) require 7 030 kg 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, 11 125 mm crawlers, 1 524 mm or 2 032 mm treads, 11 m live mast, 36 m mast, 16 part boom hoist reeving, boom support straps, and 200 000 kg VPC.

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

Consult chart **No. 9721-AM** when jib No. 148 is attached.

Deduct From Capacities When Jib No. 148 Is Attached	
Boom Length (m)	Deduct (kg)
12,0	8 800
18,0	12 900
24,0	16 800
30,0	20 500
36,0	25 500
42,0	28 800
Weight of jib and 2 950 kg 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 (m)	11,8 m Counterweight Position			18,3 m Counterweight Position		
	Machine List					
	0°	1°	2°	0°	1°	2°
	Block Weight (kg)					
44,0 - 50,0	21 000	21 000	21 000	21 000	21 000	21 000
56,0 - 62,0	10 300	10 300	10 300	21 000	21 000	21 000
68,0 - 74,0	7 300	7 300	7 300	21 000	21 000	21 000
80,0 - 86,0	#	#	#	21 000	21 000	21 000
92,0	#	#	#	10 300	10 300	10 300
98,0	Raising Not Permitted			10 300	10 300	10 300
104,0				7 300	#	#
110,0				#	#	#
116,0						

Table 2

Over End of Blocked Crawlers						
Boom Length (m)	11,8 m Counterweight Position			18,3 m Counterweight Position		
	Machine List					
	0°	1°	2°	0°	1°	2°
	Block Weight (kg)					
44,0 - 50,0	21 000	21 000	21 000	21 000	21 000	21 000
56,0 - 62,0	10 300	10 300	10 300	21 000	21 000	21 000
68,0 - 74,0	7 300	7 300	7 300	21 000	21 000	21 000
80,0 - 86,0	#	#	#	21 000	21 000	21 000
92,0	#	#	#	10 300	10 300	10 300
98,0	#	#	#	10 300	10 300	10 300
104,0	Raising Not Permitted			7 300	#	#
110,0				#	#	#
116,0				#	#	#
				#	#	#
Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. Crane tipping or structural damage can occur.						

Explanation of Symbols



Boom No. B60:680



VPC (Variable Position Counterweight)



360 Degree Rating



Boom Length



Operating Radius
(see page 1)



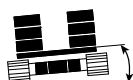
Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)



Counterweight Position
from Axis of Rotation



Machine List



Lifting Capacities
(see page 1)

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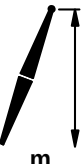
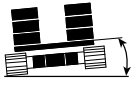
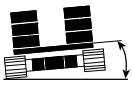
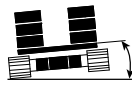
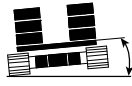
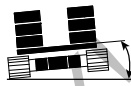
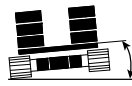
B60



200 000 kg



360°

44,0 m									
 m	 °	 m	11,8 m			18,3 m			 m
			 0° kg	 1° kg	 2° kg	 0° kg	 1° kg	 2° kg	
8,5	82,7	46,6	467 500c			662 300c			8,5
9,0	82,1	46,5	436 500c			652 400c			9,0
9,5	81,4	46,4	406 700c	367 200c		629 100c	447 800c		9,5
10,0	80,7	46,3	380 300c	345 100c		602 000c	443 400c		10,0
10,5	80,1	46,2	356 700c	325 300c		576 800c	443 400c		10,5
11,0	79,4	46,1	335 600b	307 300b	283 700c	553 500b	443 400b	369 000c	11,0
11,5	78,7	46,0	316 800b	291 300b	269 100c	532 100b	443 400b	362 900c	11,5
12,0	78,1	45,9	299 900b	276 600b	256 300c	512 100b	443 400b	361 900c	12,0
12,5	77,4	45,8	285 100b	263 700b	245 000c	494 100b	439 800b	361 900c	12,5
13,0	76,7	45,6	271 400	251 800	234 400b	477 100	433 800	361 900b	13,0
13,5	76,1	45,5	257 700	239 800	223 900b	460 000	427 800	361 900b	13,5
14,0	75,4	45,3	245 800	229 200	214 500b	444 700	418 100	361 800b	14,0
14,5	74,7	45,2	235 100	219 800	206 000	430 600	405 600	361 500	14,5
15,0	74,0	45,0	224 500	210 300	197 600	416 500	393 100	361 300	15,0
16,0	72,7	44,7	206 400	194 100	183 000	388 400	364 600	340 500	16,0
17,0	71,3	44,3	190 100	179 400	169 700	360 300	336 200	314 600	17,0
18,0	69,9	44,0	176 100	166 700	158 100	332 300	311 400	292 600	18,0
19,0	68,5	43,5	163 800	155 500	147 800	308 200	290 000	273 400	19,0
20,0	67,0	43,1	152 500	145 100	138 300	286 400	270 500	255 900	20,0
21,0	65,6	42,6	142 700	136 000	129 900	267 800	253 700	240 700	21,0
22,0	64,1	42,1	133 800	127 800	122 200	251 300	238 700	227 000	22,0
23,0	62,7	41,6	125 500	120 100	115 100	236 100	224 800	214 400	23,0
24,0	61,2	41,0	118 100	113 300	108 700	222 800	212 700	203 300	24,0
25,0	59,6	40,4	111 300	106 900	102 800	210 700	201 600	193 000	25,0
26,0	58,1	39,7	105 000	101 000	97 200	199 500	191 200	183 500	26,0
27,0	56,5	39,0	99 300	95 600	92 200	189 600	182 100	175 000	27,0
28,0	54,9	38,3	94 000	90 600	87 500	180 400	173 500	167 000	28,0
29,0	53,2	37,5	88 900	85 900	83 000	171 700	165 500	159 600	29,0
30,0	51,6	36,7	84 400	81 600	78 900	164 100	158 300	152 900	30,0
32,0	48,0	34,9	76 000	73 700	71 400	149 900	145 100	140 500	32,0
34,0	44,3	32,9	68 700	66 800	64 900	137 900	133 800	129 900	34,0
36,0	40,3	30,5	62 200	60 600	59 000	127 300	123 800	120 500	36,0
38,0	35,9	27,8	56 300	55 000	53 700	117 800	114 900	112 100	38,0
40,0	30,9	24,5	51 100	50 000	48 900	109 500	107 100	104 700	40,0
42,0	25,0	20,5	46 200	45 400	44 500	102 000	100 000	98 100	42,0
44,0	17,1	14,7	41 700	41 000	40 500	95 100	93 600	92 100	44,0

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VPC-MAX S-1



B60



200 000 kg



360°

50,0 m

			11,8 m			18,3 m			
			kg	kg	kg	kg	kg	kg	
9,1	82,9	52,6	427 200b			613 600b			9,1
9,5	82,4	52,5	406 900b			605 400b			9,5
10,0	81,9	52,4	380 300b			587 400b			10,0
10,5	81,3	52,3	356 600b	321 000b		563 500b	403 800b		10,5
11,0	80,7	52,2	335 300	303 300	277 000b	541 200	400 800	340 500b	11,0
11,5	80,1	52,1	316 500	287 500	262 800b	520 600	400 800	335 100b	11,5
12,0	79,5	52,0	299 400	273 100	250 500b	501 500	400 800	330 100b	12,0
12,5	78,9	51,9	284 600	260 300	239 400b	484 100	400 800	328 200b	12,5
13,0	78,4	51,8	270 800	248 500	229 100	467 700	400 800	328 200	13,0
13,5	77,8	51,7	257 100	236 700	218 900	451 200	400 800	328 200	13,5
14,0	77,2	51,5	245 000	226 200	209 700	436 300	396 300	328 200	14,0
14,5	76,6	51,4	234 300	216 800	201 400	422 700	388 300	328 200	14,5
15,0	76,0	51,3	223 600	207 500	193 200	409 000	380 400	328 200	15,0
16,0	74,8	51,0	205 500	191 400	178 900	384 200	357 300	320 800	16,0
17,0	73,6	50,7	189 100	176 900	165 900	359 300	332 200	308 300	17,0
18,0	72,4	50,3	175 100	164 300	154 500	331 300	307 800	286 900	18,0
19,0	71,2	50,0	162 700	153 100	144 400	307 200	286 600	268 200	19,0
20,0	69,9	49,6	151 400	142 800	135 000	285 400	267 300	251 100	20,0
21,0	68,7	49,2	141 500	133 800	126 800	266 800	250 800	236 200	21,0
22,0	67,5	48,7	132 500	125 600	119 200	250 200	235 900	222 800	22,0
23,0	66,2	48,3	124 200	117 900	112 200	234 900	222 200	210 400	23,0
24,0	64,9	47,8	116 800	111 200	105 900	221 700	210 200	199 500	24,0
25,0	63,6	47,3	110 000	104 900	100 000	209 600	199 200	189 500	25,0
26,0	62,3	46,7	103 700	98 900	94 500	198 400	188 900	180 100	26,0
27,0	61,0	46,1	98 000	93 600	89 600	188 500	179 800	171 700	27,0
28,0	59,7	45,5	92 600	88 600	84 900	179 200	171 300	163 900	28,0
29,0	58,3	44,9	87 600	83 900	80 500	170 600	163 400	156 500	29,0
30,0	56,9	44,2	83 000	79 700	76 500	162 900	156 200	149 900	30,0
32,0	54,1	42,8	74 600	71 800	69 100	148 800	143 100	137 700	32,0
34,0	51,1	41,1	67 400	64 900	62 600	136 800	131 900	127 300	34,0
36,0	48,0	39,3	60 900	58 800	56 800	126 200	122 000	118 000	36,0
38,0	44,8	37,3	55 000	53 200	51 500	116 700	113 100	109 600	38,0
40,0	41,3	35,1	49 800	48 300	46 800	108 400	105 300	102 300	40,0
42,0	37,6	32,5	45 100	43 800	42 500	100 900	98 200	95 600	42,0
44,0	33,5	29,5	40 800	39 700	38 600	94 200	91 900	89 600	44,0
46,0	28,8	26,0	36 800	35 900	35 000	88 100	86 100	84 200	46,0
48,0	23,3	21,6	33 100	32 400	31 700	82 500	80 900	79 300	48,0

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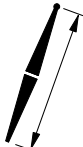
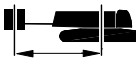
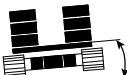
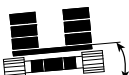
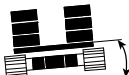
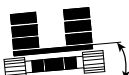


200 000 kg



360°

56,0 m

56,0 m									
 m	 °	 m	 11,8 m			 18,3 m			 m
			 0°  kg	 1°  kg	 2°  kg	 0°  kg	 1°  kg	 2°  kg	
9,8	83,0	58,5	391 800			572 800			9,8
10,0	82,7	58,5	379 600			566 100			10,0
10,5	82,2	58,4	355 800			550 300			10,5
11,0	81,7	58,3	334 400	299 600		528 900	371 800		11,0
11,5	81,2	58,2	315 500	283 200		509 200	365 500		11,5
12,0	80,7	58,1	298 400	269 000		490 800	364 500		12,0
12,5	80,1	58,0	283 500	256 400	233 500	474 000	364 500	302 400	12,5
13,0	79,6	57,9	269 700	244 700	223 400	458 100	364 500	298 300	13,0
13,5	79,1	57,8	255 800	233 000	213 400	442 300	364 500	294 100	13,5
14,0	78,6	57,7	243 800	222 700	204 500	427 900	364 500	292 300	14,0
14,5	78,1	57,6	233 000	213 400	196 400	414 600	364 500	292 300	14,5
15,0	77,5	57,5	222 300	204 200	188 400	401 300	364 500	292 300	15,0
16,0	76,5	57,2	204 100	188 300	174 400	377 900	349 100	292 300	16,0
17,0	75,4	56,9	187 600	173 800	161 600	354 700	328 000	289 700	17,0
18,0	74,3	56,6	173 500	161 400	150 500	329 300	303 900	278 400	18,0
19,0	73,3	56,3	161 100	150 300	140 600	305 800	283 000	262 900	19,0
20,0	72,2	56,0	149 700	140 100	131 400	284 000	264 000	246 100	20,0
21,0	71,1	55,6	139 800	131 100	123 200	265 400	247 600	231 600	21,0
22,0	70,0	55,2	130 800	123 000	115 800	248 800	232 900	218 500	22,0
23,0	68,9	54,8	122 400	115 400	108 900	233 500	219 300	206 300	23,0
24,0	67,8	54,4	115 100	108 600	102 700	220 300	207 400	195 600	24,0
25,0	66,7	54,0	108 200	102 300	96 900	208 200	196 500	185 700	25,0
26,0	65,5	53,5	101 800	96 500	91 500	196 900	186 300	176 500	26,0
27,0	64,4	53,0	96 100	91 200	86 600	187 000	177 300	168 300	27,0
28,0	63,2	52,5	90 800	86 200	82 000	177 800	168 900	160 600	28,0
29,0	62,1	51,9	85 700	81 500	77 600	169 100	161 000	153 300	29,0
30,0	60,9	51,3	81 200	77 300	73 600	161 400	153 900	146 800	30,0
32,0	58,5	50,1	72 800	69 400	66 300	147 300	140 900	134 800	32,0
34,0	56,0	48,7	65 500	62 600	59 900	135 300	129 700	124 400	34,0
36,0	53,5	47,3	59 000	56 500	54 100	124 700	119 800	115 200	36,0
38,0	50,8	45,6	53 200	51 000	48 900	115 200	111 000	107 000	38,0
40,0	48,1	43,8	48 000	46 100	44 300	106 900	103 200	99 700	40,0
42,0	45,2	41,8	43 300	41 600	40 000	99 500	96 200	93 100	42,0
44,0	42,1	39,6	39 000	37 500	36 200	92 700	89 900	87 100	44,0
46,0	38,9	37,2	35 100	33 800	32 600	86 700	84 200	81 700	46,0
48,0	35,4	34,4	31 500	30 400	29 400	81 200	79 000	76 800	48,0
50,0	31,5	31,2	28 200	27 300	26 400	76 100	74 200	72 300	50,0
52,0	27,1	27,4	25 000	24 200	23 500	71 300	69 700	68 100	52,0
54,0	21,9	22,7	22 100	21 500	20 900	67 000	65 600	64 300	54,0

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B60



200 000 kg



360°

62,0 m

			11,8 m			18,3 m			
			0°	1°	2°	0°	1°	2°	
m	°	m	kg	kg	kg	kg	kg	kg	m
11,0	82,5	64,4	335 700			516 900			11,0
11,5	82,1	64,3	315 600			497 100			11,5
12,0	81,6	64,2	298 400	265 900		479 600	336 900		12,0
12,5	81,1	64,1	283 400	253 500		463 600	334 900		12,5
13,0	80,6	64,1	269 500	241 900		448 300	334 900		13,0
13,5	80,2	64,0	255 600	230 300		433 100	334 900		13,5
14,0	79,7	63,9	243 400	220 100	200 300	419 300	334 900	270 800	14,0
14,5	79,2	63,8	232 600	210 900	192 400	406 500	334 900	269 400	14,5
15,0	78,8	63,6	221 800	201 800	184 500	393 700	334 900	268 000	15,0
16,0	77,8	63,4	203 500	186 000	170 800	371 000	331 100	267 400	16,0
17,0	76,9	63,2	186 900	171 600	158 300	349 300	322 200	267 400	17,0
18,0	75,9	62,9	172 800	159 300	147 300	327 700	300 400	267 400	18,0
19,0	74,9	62,6	160 300	148 300	137 500	305 300	280 200	256 800	19,0
20,0	74,0	62,3	148 800	138 100	128 500	283 400	261 400	242 000	20,0
21,0	73,0	62,0	138 800	129 200	120 500	264 800	245 100	227 800	21,0
22,0	72,0	61,6	129 800	121 100	113 100	248 100	230 600	214 900	22,0
23,0	71,0	61,3	121 400	113 500	106 300	232 800	217 100	203 000	23,0
24,0	70,1	60,9	114 000	106 700	100 100	219 500	205 300	192 400	24,0
25,0	69,1	60,5	107 100	100 500	94 400	207 400	194 500	182 700	25,0
26,0	68,1	60,1	100 700	94 600	89 100	196 100	184 400	173 600	26,0
27,0	67,1	59,7	95 000	89 400	84 200	186 200	175 400	165 500	27,0
28,0	66,0	59,2	89 600	84 400	79 700	176 900	167 000	157 900	28,0
29,0	65,0	58,7	84 500	79 700	75 300	168 300	159 200	150 700	29,0
30,0	64,0	58,2	79 900	75 500	71 400	160 500	152 100	144 300	30,0
32,0	61,9	57,1	71 500	67 700	64 100	146 400	139 200	132 400	32,0
34,0	59,7	55,9	64 200	60 900	57 800	134 300	128 100	122 200	34,0
36,0	57,5	54,7	57 700	54 800	52 000	123 700	118 200	113 100	36,0
38,0	55,3	53,3	51 800	49 300	46 900	114 200	109 500	104 900	38,0
40,0	53,0	51,7	46 600	44 400	42 300	105 900	101 700	97 700	40,0
42,0	50,6	50,1	41 900	39 900	38 100	98 500	94 700	91 100	42,0
44,0	48,1	48,3	37 600	35 900	34 200	91 700	88 400	85 200	44,0
46,0	45,5	46,3	33 700	32 200	30 700	85 600	82 700	79 800	46,0
48,0	42,8	44,2	30 200	28 800	27 500	80 100	77 500	74 900	48,0
50,0	39,9	41,8	26 900	25 700	24 500	75 000	72 700	70 400	50,0
52,0	36,8	39,1	23 700	22 700	21 700	70 300	68 200	66 200	52,0
54,0	33,5	36,2	20 900	20 000	19 100	66 000	64 200	62 400	54,0
56,0	29,9	32,7	18 200	17 500	16 700	62 000	60 400	58 900	56,0
58,0	25,7	28,7	15 700	15 000	14 400	58 300	56 900	55 500	58,0
60,0	20,8	23,8	13 300	12 800	12 300	54 800	53 700	52 500	60,0

MLC650 VPC-MAX S-1



B60



200 000 kg



360°

68,0 m

			11,8 m			18,3 m			
m	°	m	kg	kg	kg	kg	kg	kg	m
11,6	82,7	70,4	313 800			482 300			11,6
12,0	82,3	70,3	299 600			468 600			12,0
12,5	81,9	70,2	284 500			453 400			12,5
13,0	81,5	70,2	270 600			439 000			13,0
13,5	81,1	70,1	256 600			424 500			13,5
14,0	80,6	70,0	244 400	218 900	197 400	411 300	308 300	248 300	14,0
14,5	80,2	69,9	233 500	209 800	189 700	399 000	308 300	246 600	14,5
15,0	79,8	69,8	222 700	200 700	182 000	386 800	308 300	245 000	15,0
16,0	78,9	69,6	204 200	185 100	168 600	364 900	308 300	244 200	16,0
17,0	78,0	69,3	187 600	170 800	156 300	344 600	305 800	244 200	17,0
18,0	77,2	69,1	173 400	158 500	145 600	326 500	295 200	244 200	18,0
19,0	76,3	68,8	160 800	147 600	136 000	305 400	278 500	243 000	19,0
20,0	75,4	68,6	149 300	137 500	127 000	283 800	259 800	239 000	20,0
21,0	74,6	68,3	139 300	128 600	119 100	265 100	243 800	225 000	21,0
22,0	73,7	68,0	130 200	120 600	111 900	248 500	229 300	212 400	22,0
23,0	72,8	67,7	121 800	113 000	105 100	233 100	216 000	200 700	23,0
24,0	71,9	67,3	114 300	106 300	99 100	219 800	204 300	190 300	24,0
25,0	71,0	67,0	107 400	100 100	93 500	207 700	193 500	180 800	25,0
26,0	70,1	66,6	101 000	94 300	88 100	196 400	183 500	171 800	26,0
27,0	69,2	66,2	95 200	89 000	83 400	186 400	174 600	163 800	27,0
28,0	68,3	65,8	89 800	84 100	78 800	177 100	166 300	156 400	28,0
29,0	67,4	65,3	84 700	79 400	74 600	168 400	158 500	149 300	29,0
30,0	66,4	64,9	80 100	75 200	70 700	160 700	151 500	142 900	30,0
32,0	64,6	63,9	71 600	67 400	63 400	146 500	138 600	131 200	32,0
34,0	62,7	62,9	64 300	60 600	57 100	134 400	127 500	121 100	34,0
36,0	60,7	61,7	57 800	54 500	51 500	123 800	117 700	112 100	36,0
38,0	58,8	60,5	51 900	49 000	46 300	114 300	109 000	104 000	38,0
40,0	56,7	59,2	46 700	44 100	41 800	106 000	101 300	96 800	40,0
42,0	54,7	57,8	42 000	39 700	37 600	98 500	94 300	90 300	42,0
44,0	52,5	56,2	37 700	35 700	33 800	91 700	88 000	84 400	44,0
46,0	50,4	54,6	33 800	32 000	30 300	85 700	82 300	79 100	46,0
48,0	48,1	52,8	30 200	28 600	27 100	80 200	77 100	74 300	48,0
50,0	45,7	50,8	26 900	25 500	24 100	75 100	72 400	69 800	50,0
52,0	43,3	48,7	23 800	22 500	21 300	70 300	67 900	65 600	52,0
54,0	40,7	46,4	21 000	19 900	18 800	66 100	63 900	61 800	54,0
56,0	38,0	43,8	18 400	17 400	16 400	62 100	60 100	58 200	56,0
58,0	35,1	41,0	15 900	15 000	14 100	58 400	56 600	54 900	58,0
60,0	31,9	37,9	13 600	12 800	12 000	55 000	53 400	51 900	60,0
62,0	28,4	34,2	11 400	10 700	10 100	51 700	50 400	49 000	62,0
64,0	24,5	30,0	9 300	8 700	8 200	48 700	47 500	46 300	64,0
66,0	19,8	24,8				45 900	44 800	43 800	66,0

MLC650

VPC-MAX S-1



B60



200 000 kg



360°

74,0 m

			11,8 m			18,3 m			
m	°	m	kg	kg	kg	kg	kg	kg	m
12,2	82,8	76,4	292 500			433 800			12,2
12,5	82,6	76,3	283 900			428 600			12,5
13,0	82,2	76,2	269 800			420 100			13,0
13,5	81,8	76,2	255 800			411 600			13,5
14,0	81,4	76,1	243 500	215 800		401 300	282 700		14,0
14,5	81,0	76,0	232 600	206 800		389 600	282 700		14,5
15,0	80,6	75,9	221 700	197 800		377 900	282 700		15,0
16,0	79,8	75,7	203 200	182 400	164 700	357 000	282 700	219 300	16,0
17,0	79,0	75,5	186 500	168 300	152 600	337 500	282 700	219 300	17,0
18,0	78,2	75,3	172 200	156 100	142 100	320 000	282 700	219 300	18,0
19,0	77,4	75,0	159 600	145 200	132 600	301 700	272 100	219 300	19,0
20,0	76,6	74,8	148 100	135 200	123 900	283 000	257 100	219 000	20,0
21,0	75,8	74,5	138 000	126 400	116 100	264 300	241 200	217 200	21,0
22,0	75,0	74,2	128 900	118 300	109 000	247 600	226 900	208 800	22,0
23,0	74,2	73,9	120 400	110 800	102 300	232 200	213 600	197 200	23,0
24,0	73,4	73,6	112 900	104 200	96 300	218 900	202 000	187 100	24,0
25,0	72,6	73,3	106 000	98 000	90 700	206 700	191 300	177 700	25,0
26,0	71,8	73,0	99 500	92 200	85 500	195 300	181 400	168 900	26,0
27,0	71,0	72,6	93 700	86 900	80 800	185 400	172 500	161 000	27,0
28,0	70,1	72,2	88 300	82 000	76 300	176 100	164 300	153 600	28,0
29,0	69,3	71,8	83 200	77 400	72 100	167 400	156 500	146 600	29,0
30,0	68,5	71,4	78 600	73 200	68 200	159 600	149 500	140 400	30,0
32,0	66,8	70,6	70 100	65 400	61 000	145 400	136 700	128 800	32,0
34,0	65,1	69,6	62 700	58 600	54 800	133 300	125 700	118 700	34,0
36,0	63,3	68,6	56 100	52 500	49 200	122 600	116 000	109 800	36,0
38,0	61,6	67,5	50 300	47 100	44 100	113 100	107 300	101 800	38,0
40,0	59,8	66,3	45 000	42 200	39 500	104 800	99 600	94 700	40,0
42,0	57,9	65,1	40 300	37 800	35 400	97 300	92 700	88 300	42,0
44,0	56,1	63,7	36 000	33 700	31 600	90 500	86 400	82 400	44,0
46,0	54,2	62,3	32 100	30 000	28 100	84 400	80 700	77 100	46,0
48,0	52,2	60,7	28 500	26 700	25 000	78 900	75 500	72 300	48,0
50,0	50,2	59,1	25 200	23 600	22 000	73 800	70 800	67 900	50,0
52,0	48,1	57,3	22 100	20 600	19 200	69 100	66 300	63 700	52,0
54,0	45,9	55,3	19 300	18 000	16 700	64 800	62 300	59 900	54,0
56,0	43,7	53,2	16 700	15 500	14 300	60 900	58 600	56 400	56,0
58,0	41,4	51,0	14 200	13 100	12 100	57 100	55 100	53 100	58,0
60,0	38,9	48,5	12 000	11 000	10 000	53 700	51 900	50 000	60,0
62,0	36,3	45,8	9 800			50 500	48 800	47 200	62,0
64,0	33,5	42,8	7 700			47 500	45 900	44 500	64,0
66,0	30,5	39,5				44 700	43 300	42 000	66,0
68,0	27,2	35,7				42 000	40 800	39 600	68,0
70,0	23,4	31,2				39 500	38 400	37 400	70,0

MLC650 VPC-MAX S-1



B60

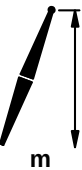
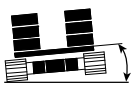
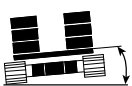
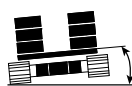
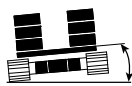
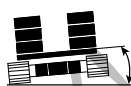
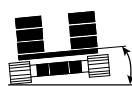


200 000 kg



360°

80,0 m

80,0 m									
 m	 °	 m	11,8 m			18,3 m			 m
									
			0° kg	1° kg	2° kg	0° kg	1° kg	2° kg	
13,7	82,3	82,2	249 500			367 100			13,7
14,0	82,0	82,2	243 300			366 600			14,0
14,5	81,7	82,1	232 300			365 800			14,5
15,0	81,3	82,0	221 400			364 900			15,0
16,0	80,6	81,8	202 800	180 300		349 800	258 600		16,0
17,0	79,9	81,6	186 000	166 400	149 700	331 100	258 600	194 300	17,0
18,0	79,1	81,4	171 700	154 300	139 300	314 200	258 600	194 300	18,0
19,0	78,4	81,2	159 100	143 500	130 100	298 500	258 200	194 300	19,0
20,0	77,7	81,0	147 500	133 500	121 400	282 600	254 800	194 300	20,0
21,0	76,9	80,7	137 400	124 800	113 800	263 900	239 100	194 300	21,0
22,0	76,2	80,5	128 200	116 800	106 800	247 100	224 900	194 300	22,0
23,0	75,4	80,2	119 700	109 400	100 200	231 800	211 800	193 000	23,0
24,0	74,7	79,9	112 200	102 700	94 300	218 400	200 300	184 000	24,0
25,0	74,0	79,6	105 300	96 600	88 800	206 200	189 700	175 100	25,0
26,0	73,2	79,3	98 800	90 800	83 600	194 800	179 800	166 400	26,0
27,0	72,5	79,0	93 000	85 600	78 900	184 800	171 000	158 700	27,0
28,0	71,7	78,6	87 500	80 700	74 500	175 500	162 800	151 400	28,0
29,0	70,9	78,3	82 400	76 100	70 300	166 800	155 100	144 500	29,0
30,0	70,2	77,9	77 800	71 900	66 500	159 100	148 200	138 400	30,0
32,0	68,6	77,1	69 200	64 100	59 400	144 800	135 500	126 900	32,0
34,0	67,1	76,3	61 900	57 400	53 200	132 700	124 500	117 000	34,0
36,0	65,5	75,3	55 300	51 300	47 700	122 000	114 800	108 200	36,0
38,0	63,9	74,3	49 400	45 900	42 600	112 500	106 200	100 300	38,0
40,0	62,3	73,3	44 200	41 000	38 100	104 200	98 500	93 200	40,0
42,0	60,6	72,1	39 400	36 600	34 000	96 700	91 600	86 900	42,0
44,0	59,0	70,9	35 100	32 600	30 200	89 900	85 300	81 100	44,0
46,0	57,2	69,6	31 200	28 900	26 800	83 800	79 700	75 800	46,0
48,0	55,5	68,3	27 700	25 600	23 700	78 300	74 600	71 000	48,0
50,0	53,7	66,8	24 400	22 500	20 700	73 200	69 800	66 600	50,0
52,0	51,9	65,2	21 300	19 600	18 000	68 400	65 400	62 500	52,0
54,0	50,0	63,5	18 500	16 900	15 500	64 200	61 400	58 700	54,0
56,0	48,1	61,7	15 900	14 500	13 100	60 200	57 700	55 200	56,0
58,0	46,1	59,8	13 400	12 100	10 900	56 500	54 100	51 900	58,0
60,0	44,1	57,7	11 100	10 000	8 900	53 100	51 000	48 900	60,0
62,0	41,9	55,5	9 000			49 900	47 900	46 100	62,0
64,0	39,7	53,1	6 900			46 900	45 100	43 400	64,0
66,0	37,3	50,5				44 100	42 500	40 900	66,0
68,0	34,8	47,7				41 400	40 000	38 500	68,0
70,0	32,2	44,5				38 900	37 600	36 300	70,0
74,0	26,1	37,0				34 400	33 300	32 200	74,0

MLC650 VPC-MAX S-1



B60



200 000 kg



360°

86,0 m

			11,8 m			18,3 m			
m	°	m	kg	kg	kg	kg	kg	kg	m
13,7	82,8	88,3	269 800			311 500			13,7
14,0	82,6	88,2	263 100			311 500			14,0
14,5	82,3	88,2	251 400			311 500			14,5
15,0	81,9	88,1	239 600			311 500			15,0
16,0	81,3	87,9	219 600	193 800		311 500	221 100		16,0
17,0	80,6	87,7	201 600	178 900	160 000	310 100	221 100	167 700	17,0
18,0	79,9	87,5	186 100	166 100	149 100	304 300	221 100	167 700	18,0
19,0	79,2	87,3	172 500	154 600	139 300	292 300	221 100	167 700	19,0
20,0	78,5	87,1	160 100	144 000	130 200	277 700	221 100	167 700	20,0
21,0	77,9	86,9	149 200	134 700	122 200	261 800	221 100	167 700	21,0
22,0	77,2	86,7	139 300	126 200	114 700	246 000	216 600	167 700	22,0
23,0	76,5	86,4	130 200	118 300	107 800	230 600	209 200	167 700	23,0
24,0	75,8	86,2	122 100	111 200	101 600	217 200	197 800	167 700	24,0
25,0	75,1	85,9	114 700	104 600	95 700	205 000	187 300	166 200	25,0
26,0	74,4	85,6	107 700	98 500	90 300	193 600	177 500	163 300	26,0
27,0	73,7	85,3	101 400	92 900	85 300	183 600	168 800	155 700	27,0
28,0	73,0	85,0	95 600	87 700	80 600	174 300	160 600	148 500	28,0
29,0	72,3	84,6	90 100	82 700	76 200	165 500	153 000	141 700	29,0
30,0	71,6	84,3	85 100	78 300	72 100	157 800	146 100	135 600	30,0
32,0	70,2	83,6	75 900	70 000	64 600	143 500	133 400	124 300	32,0
34,0	68,8	82,8	68 000	62 800	58 000	131 300	122 600	114 500	34,0
36,0	67,3	81,9	60 900	56 300	52 100	120 600	112 900	105 800	36,0
38,0	65,9	81,0	54 600	50 500	46 700	111 100	104 300	98 000	38,0
40,0	64,4	80,1	49 000	45 300	41 900	102 800	96 700	91 000	40,0
42,0	62,9	79,0	43 900	40 600	37 600	95 200	89 800	84 700	42,0
44,0	61,4	77,9	39 200	36 300	33 600	88 400	83 500	78 900	44,0
46,0	59,8	76,8	35 100	32 400	29 900	82 300	77 900	73 700	46,0
48,0	58,2	75,5	31 200	28 800	26 600	76 800	72 800	69 000	48,0
50,0	56,6	74,2	27 700	25 500	23 500	71 700	68 100	64 600	50,0
52,0	55,0	72,8	24 400	22 400	20 500	67 000	63 600	60 500	52,0
54,0	53,4	71,3	21 400	19 600	17 900	62 700	59 700	56 700	54,0
56,0	51,7	69,7	18 600	16 900	15 400	58 800	55 900	53 300	56,0
58,0	49,9	68,0	15 900	14 400	13 000	55 000	52 400	50 000	58,0
60,0	48,1	66,2	13 500	12 100	10 800	51 600	49 300	47 000	60,0
62,0	46,3	64,3	11 200	10 000		48 400	46 200	44 100	62,0
64,0	44,4	62,3	9 100	7 900		45 400	43 400	41 400	64,0
66,0	42,4	60,1				42 600	40 800	39 000	66,0
68,0	40,3	57,7				40 000	38 300	36 600	68,0
70,0	38,2	55,2				37 500	35 900	34 400	70,0
74,0	33,5	49,5				32 900	31 600	30 400	74,0
78,0	28,2	42,5				28 900	27 800	26 700	78,0
82,0	21,6	33,5				25 100	24 300	23 400	82,0

MLC650 VPC-MAX S-1



B60



200 000 kg



360°

92,0 m

92,0 m									
 m	 °	 m	11,8 m			18,3 m			 m
			 0°	 1°	 2°	 0°	 1°	 2°	
			kg	kg	kg	kg	kg	kg	
15,2	82,3	94,1	233 400			267 500			15,2
16,0	81,8	94,0	219 000			267 500			16,0
17,0	81,2	93,8	200 900	176 800		267 500	188 400		17,0
18,0	80,6	93,6	185 500	164 000		267 500	188 400		18,0
19,0	79,9	93,4	171 800	152 700	135 800	267 500	188 400	141 800	19,0
20,0	79,3	93,2	159 300	142 200	127 600	266 000	188 400	141 800	20,0
21,0	78,7	93,0	148 400	132 900	119 600	258 500	188 400	141 800	21,0
22,0	78,0	92,8	138 500	124 500	112 300	245 500	188 400	141 800	22,0
23,0	77,4	92,6	129 400	116 600	105 500	230 000	188 400	141 800	23,0
24,0	76,7	92,3	121 300	109 600	99 300	216 600	188 400	141 800	24,0
25,0	76,1	92,1	113 800	103 000	93 600	204 400	183 700	141 800	25,0
26,0	75,5	91,8	106 800	96 900	88 200	193 000	175 800	141 800	26,0
27,0	74,8	91,5	100 500	91 400	83 300	183 000	167 200	141 800	27,0
28,0	74,2	91,2	94 700	86 200	78 700	173 600	159 100	141 100	28,0
29,0	73,5	90,9	89 100	81 300	74 300	164 900	151 500	139 600	29,0
30,0	72,9	90,6	84 100	76 800	70 300	157 100	144 700	133 600	30,0
32,0	71,5	89,9	74 900	68 600	62 800	142 800	132 100	122 400	32,0
34,0	70,2	89,2	67 000	61 400	56 300	130 600	121 300	112 700	34,0
36,0	68,9	88,4	59 900	55 000	50 400	119 900	111 700	104 100	36,0
38,0	67,5	87,6	53 600	49 200	45 100	110 400	103 100	96 400	38,0
40,0	66,2	86,7	47 900	44 000	40 400	102 000	95 500	89 400	40,0
42,0	64,8	85,7	42 900	39 300	36 000	94 500	88 600	83 200	42,0
44,0	63,4	84,7	38 200	35 000	32 000	87 700	82 400	77 500	44,0
46,0	62,0	83,6	34 000	31 100	28 400	81 600	76 800	72 300	46,0
48,0	60,5	82,5	30 200	27 600	25 100	76 100	71 700	67 600	48,0
50,0	59,1	81,3	26 700	24 300	22 000	71 000	67 000	63 300	50,0
52,0	57,6	80,0	23 300	21 200	19 100	66 200	62 600	59 200	52,0
54,0	56,1	78,7	20 400	18 400	16 500	62 000	58 600	55 500	54,0
56,0	54,6	77,3	17 600	15 700	14 000	58 000	54 900	52 000	56,0
58,0	53,0	75,7	14 900	13 200	11 600	54 200	51 400	48 700	58,0
60,0	51,4	74,1	12 500	10 900	9 500	50 800	48 300	45 800	60,0
62,0	49,8	72,4	10 200			47 600	45 300	43 000	62,0
64,0	48,1	70,6	8 000			44 600	42 400	40 300	64,0
66,0	46,4	68,7				41 900	39 800	37 800	66,0
68,0	44,6	66,7				39 200	37 300	35 500	68,0
70,0	42,8	64,6				36 700	35 000	33 300	70,0
74,0	38,9	59,8				32 200	30 700	29 300	74,0
78,0	34,7	54,3				28 100	26 900	25 600	78,0
82,0	29,9	47,7				24 400	23 400	22 300	82,0
86,0	24,2	39,6				21 100	20 200	19 300	86,0

MLC650 VPC-MAX S-1



B60



200 000 kg



360°

98,0 m

98,0 m									
m	°	m	11,8 m			18,3 m			m
			0°	1°	2°	0°	1°	2°	
15,2	82,8	100,2	229 900			229 900			15,2
16,0	82,3	100,0	216 400			229 900			16,0
17,0	81,7	99,9	199 300	158 600		229 900	158 900		17,0
18,0	81,1	99,7	183 700	157 600		229 900	158 900		18,0
19,0	80,6	99,5	170 100	149 700	119 400	229 900	158 900	119 400	19,0
20,0	80,0	99,4	157 500	139 300	118 600	229 900	158 900	119 400	20,0
21,0	79,4	99,2	146 600	130 100	114 700	229 900	158 900	119 400	21,0
22,0	78,8	99,0	136 700	121 700	108 900	229 900	158 900	119 400	22,0
23,0	78,2	98,7	127 500	113 900	102 100	228 100	158 900	119 400	23,0
24,0	77,6	98,5	119 300	106 900	96 000	215 100	158 900	119 400	24,0
25,0	77,0	98,3	111 800	100 400	90 400	203 000	158 900	119 400	25,0
26,0	76,4	98,0	104 800	94 300	85 000	191 600	158 900	119 400	26,0
27,0	75,8	97,7	98 500	88 800	80 200	181 600	158 900	119 400	27,0
28,0	75,2	97,5	92 600	83 600	75 600	172 200	155 400	119 400	28,0
29,0	74,5	97,2	87 100	78 700	71 300	163 400	149 200	119 400	29,0
30,0	73,9	96,9	82 100	74 300	67 300	155 600	142 400	119 400	30,0
32,0	72,7	96,3	72 900	66 100	59 900	141 300	129 900	119 400	32,0
34,0	71,5	95,6	64 900	58 900	53 500	129 100	119 200	110 200	34,0
36,0	70,2	94,9	57 800	52 500	47 700	118 400	109 600	101 600	36,0
38,0	69,0	94,1	51 500	46 700	42 400	108 900	101 100	93 900	38,0
40,0	67,7	93,2	45 800	41 600	37 700	100 500	93 500	87 100	40,0
42,0	66,4	92,4	40 700	36 900	33 400	92 900	86 700	80 900	42,0
44,0	65,1	91,4	36 000	32 600	29 400	86 100	80 500	75 200	44,0
46,0	63,8	90,4	31 800	28 700	25 800	80 000	74 900	70 100	46,0
48,0	62,5	89,4	28 000	25 200	22 500	74 500	69 800	65 500	48,0
50,0	61,2	88,3	24 500	21 900	19 400	69 400	65 100	61 100	50,0
52,0	59,8	87,1	21 100	18 800	16 600	64 600	60 700	57 100	52,0
54,0	58,5	85,9	18 200	16 000	13 900	60 300	56 800	53 400	54,0
56,0	57,1	84,6	15 400	13 300	11 500	56 400	53 100	50 000	56,0
58,0	55,6	83,2	12 700			52 600	49 600	46 700	58,0
60,0	54,2	81,8	10 300			49 200	46 400	43 800	60,0
62,0	52,7	80,2				46 000	43 400	41 000	62,0
64,0	51,2	78,6				43 000	40 600	38 300	64,0
66,0	49,7	76,9				40 200	38 000	35 900	66,0
68,0	48,1	75,1				37 600	35 500	33 500	68,0
70,0	46,5	73,2				35 100	33 200	31 300	70,0
74,0	43,1	69,1				30 600	28 900	27 300	74,0
78,0	39,5	64,4				26 500	25 100	23 700	78,0
82,0	35,6	59,0				22 800	21 600	20 400	82,0
86,0	31,3	52,8				19 500	18 500	17 400	86,0
90,0	26,3	45,3				16 500	15 600	14 700	90,0
94,0	20,2	35,6				13 700	12 900	12 200	94,0

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B60



200 000 kg



360°

104,0 m

104,0 m									
m	°	m	11,8 m			18,3 m			m
			0° kg	1° kg	2° kg	0° kg	1° kg	2° kg	
16,8	82,4	106,0	209 200			209 200			16,8
17,0	82,2	106,0	206 900			209 200			17,0
18,0	81,7	105,8	197 000			209 200			18,0
19,0	81,1	105,6	184 300	139 500		209 200	139 500		19,0
20,0	80,5	105,5	170 900	139 200	104 700	209 200	139 500	104 700	20,0
21,0	80,0	105,3	159 200	137 800	104 700	209 200	139 500	104 700	21,0
22,0	79,4	105,1	148 600	131 700	104 700	209 200	139 500	104 700	22,0
23,0	78,9	104,9	138 700	123 400	104 400	209 200	139 500	104 700	23,0
24,0	78,3	104,7	130 100	116 000	102 200	209 200	139 500	104 700	24,0
25,0	77,7	104,4	122 000	109 100	97 900	202 200	139 500	104 700	25,0
26,0	77,2	104,2	114 500	102 600	92 200	190 900	139 500	104 700	26,0
27,0	76,6	104,0	107 800	96 800	87 100	180 900	139 500	104 700	27,0
28,0	76,0	103,7	101 500	91 300	82 300	171 500	139 500	104 700	28,0
29,0	75,5	103,4	95 600	86 100	77 700	162 700	139 400	104 700	29,0
30,0	74,9	103,1	90 200	81 400	73 600	154 900	138 300	104 700	30,0
32,0	73,7	102,6	80 400	72 700	65 800	140 600	128 500	104 700	32,0
34,0	72,6	101,9	71 900	65 100	59 000	128 400	117 800	104 400	34,0
36,0	71,4	101,2	64 300	58 300	52 800	117 600	108 300	99 900	36,0
38,0	70,2	100,5	57 500	52 100	47 200	108 100	99 800	92 300	38,0
40,0	69,1	99,7	51 500	46 600	42 200	99 700	92 300	85 500	40,0
42,0	67,9	98,9	46 000	41 700	37 700	92 100	85 500	79 400	42,0
44,0	66,7	98,1	41 000	37 100	33 500	85 300	79 300	73 800	44,0
46,0	65,5	97,1	36 500	33 000	29 700	79 200	73 700	68 700	46,0
48,0	64,2	96,2	32 500	29 200	26 200	73 600	68 700	64 100	48,0
50,0	63,0	95,1	28 700	25 700	23 000	68 500	64 000	59 800	50,0
52,0	61,7	94,1	25 100	22 400	19 900	63 800	59 600	55 700	52,0
54,0	60,5	92,9	21 900	19 500	17 100	59 500	55 700	52 100	54,0
56,0	59,2	91,7	19 000	16 700	14 500	55 500	52 000	48 700	56,0
58,0	57,9	90,5	16 100	14 000	12 000	51 800	48 500	45 400	58,0
60,0	56,6	89,1	13 600	11 600	9 800	48 400	45 400	42 500	60,0
62,0	55,2	87,7	11 100			45 200	42 400	39 700	62,0
64,0	53,9	86,3	8 800			42 100	39 500	37 100	64,0
66,0	52,5	84,7				39 400	37 000	34 700	66,0
68,0	51,1	83,1				36 700	34 500	32 300	68,0
70,0	49,6	81,4				34 200	32 100	30 100	70,0
74,0	46,6	77,7				29 700	27 900	26 200	74,0
78,0	43,4	73,6				25 700	24 100	22 600	78,0
82,0	40,1	69,0				22 000	20 600	19 300	82,0
86,0	36,5	63,8				18 700	17 500	16 300	86,0
90,0	32,5	57,8				15 700	14 600	13 600	90,0
94,0	28,0	50,7				12 900	12 000	11 100	94,0
98,0	22,7	42,0				10 300	9 600		98,0

MLC650

VPC-MAX S-1



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200 000 kg



360°

110,0 m

			11,8 m			18,3 m			
			0°	1°	2°	0°	1°	2°	
m	°	m	kg	kg	kg	kg	kg	kg	m
18,3	82,0	111,8	182 300	117 700		182 300	117 700		18,3
19,0	81,6	111,7	177 100	117 700		182 300	117 700		19,0
20,0	81,1	111,6	168 900	117 700		182 300	117 700		20,0
21,0	80,5	111,4	157 100	117 700		182 300	117 700		21,0
22,0	80,0	111,2	146 500	117 700	87 800	182 300	117 700	87 800	22,0
23,0	79,5	111,0	136 600	117 000	87 800	182 300	117 700	87 800	23,0
24,0	78,9	110,8	127 900	112 100	87 800	182 300	117 700	87 800	24,0
25,0	78,4	110,6	119 800	106 200	87 800	182 300	117 700	87 800	25,0
26,0	77,9	110,4	112 300	99 700	87 400	181 900	117 700	87 800	26,0
27,0	77,3	110,1	105 600	93 900	83 400	177 100	117 700	87 800	27,0
28,0	76,8	109,9	99 300	88 500	79 000	170 000	117 700	87 800	28,0
29,0	76,3	109,6	93 300	83 300	74 500	161 200	117 700	87 800	29,0
30,0	75,7	109,4	88 000	78 600	70 400	153 400	117 700	87 800	30,0
32,0	74,7	108,8	78 100	69 900	62 600	139 000	117 700	87 800	32,0
34,0	73,6	108,2	69 500	62 300	55 900	126 800	115 500	87 800	34,0
36,0	72,5	107,6	61 900	55 500	49 800	116 000	106 100	87 800	36,0
38,0	71,4	106,9	55 100	49 400	44 300	106 400	97 700	87 800	38,0
40,0	70,3	106,2	49 100	44 000	39 300	98 000	90 200	83 100	40,0
42,0	69,1	105,4	43 600	39 000	34 800	90 400	83 400	77 000	42,0
44,0	68,0	104,6	38 600	34 500	30 600	83 600	77 300	71 400	44,0
46,0	66,9	103,7	34 100	30 300	26 900	77 500	71 700	66 400	46,0
48,0	65,7	102,8	30 000	26 600	23 400	71 900	66 700	61 800	48,0
50,0	64,6	101,9	26 300	23 100	20 200	66 800	62 000	57 500	50,0
52,0	63,4	100,9	22 700	19 800	17 100	62 000	57 600	53 500	52,0
54,0	62,2	99,8	19 500	16 800	14 400	57 800	53 700	49 900	54,0
56,0	61,1	98,7	16 500	14 100	11 800	53 800	50 000	46 500	56,0
58,0	59,8	97,5	13 700	11 400		50 000	46 600	43 300	58,0
60,0	58,6	96,3	11 100	9 000		46 600	43 400	40 400	60,0
62,0	57,4	95,0				43 400	40 400	37 600	62,0
64,0	56,1	93,7				40 400	37 600	35 000	64,0
66,0	54,9	92,3				37 600	35 000	32 600	66,0
68,0	53,6	90,8				35 000	32 600	30 300	68,0
70,0	52,2	89,2				32 500	30 200	28 100	70,0
74,0	49,5	85,9				28 000	26 000	24 100	74,0
78,0	46,7	82,2				23 900	22 200	20 600	78,0
82,0	43,7	78,1				20 300	18 800	17 300	82,0
86,0	40,6	73,6				17 000	15 700	14 400	86,0
90,0	37,2	68,5				14 000	12 800	11 700	90,0
94,0	33,5	62,7				11 200	10 200	9 200	94,0
98,0	29,5	56,0				8 700			98,0

MLC650 VPC-MAX S-1



B60

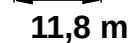
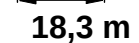
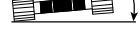


200 000 kg



360°

116,0 m

116,0 m									
									
0°	1°	2°	0°	1°	2°	0°	1°	2°	
kg	kg	kg	kg	kg	kg	kg	kg	kg	m
18,3	82,4	117,9	157 900			157 900			18,3
19,0	82,0	117,8	157 900			157 900			19,0
20,0	81,5	117,6	157 300	100 100		157 900	100 100		20,0
21,0	81,0	117,5	154 500	100 100		157 900	100 100		21,0
22,0	80,5	117,3	146 800	100 100	73 300	157 900	100 100	73 300	22,0
23,0	80,0	117,1	136 900	100 100	73 300	157 900	100 100	73 300	23,0
24,0	79,5	116,9	128 200	100 100	73 300	157 900	100 100	73 300	24,0
25,0	79,0	116,7	120 100	100 000	73 300	157 900	100 100	73 300	25,0
26,0	78,5	116,5	112 600	99 300	73 300	157 900	100 100	73 300	26,0
27,0	78,0	116,3	105 800	93 600	73 300	157 900	100 100	73 300	27,0
28,0	77,5	116,1	99 500	88 100	73 300	157 900	100 100	73 300	28,0
29,0	77,0	115,8	93 500	83 000	73 200	157 600	100 100	73 300	29,0
30,0	76,5	115,6	88 200	78 300	69 500	152 400	100 100	73 300	30,0
32,0	75,5	115,1	78 300	69 700	62 100	139 200	100 100	73 300	32,0
34,0	74,4	114,5	69 700	62 100	55 400	127 000	100 100	73 300	34,0
36,0	73,4	113,9	62 100	55 400	49 300	116 200	100 100	73 300	36,0
38,0	72,4	113,2	55 300	49 300	43 900	106 600	97 200	73 300	38,0
40,0	71,3	112,6	49 200	43 800	38 900	98 200	90 000	73 300	40,0
42,0	70,3	111,8	43 800	38 900	34 500	90 600	83 200	73 300	42,0
44,0	69,2	111,1	38 800	34 400	30 300	83 800	77 100	70 800	44,0
46,0	68,2	110,3	34 300	30 300	26 600	77 600	71 600	66 000	46,0
48,0	67,1	109,4	30 200	26 500	23 100	72 100	66 500	61 400	48,0
50,0	66,0	108,5	26 400	23 100	19 900	67 000	61 900	57 200	50,0
52,0	64,9	107,6	22 900	19 800	16 900	62 200	57 500	53 200	52,0
54,0	63,8	106,6	19 700	16 800	14 200	57 900	53 600	49 600	54,0
56,0	62,7	105,5	16 700	14 100	11 600	53 900	50 000	46 300	56,0
58,0	61,6	104,5	13 800	11 400		50 200	46 500	43 100	58,0
60,0	60,4	103,3	11 300	9 000		46 800	43 400	40 200	60,0
62,0	59,3	102,1				43 600	40 400	37 400	62,0
64,0	58,1	100,9				40 500	37 600	34 800	64,0
66,0	56,9	99,6				37 800	35 000	32 400	66,0
68,0	55,7	98,2				35 100	32 600	30 100	68,0
70,0	54,5	96,8				32 600	30 300	28 000	70,0
74,0	52,0	93,7				28 100	26 000	24 000	74,0
78,0	49,5	90,4				24 100	22 300	20 500	78,0
82,0	46,8	86,7				20 500	18 800	17 200	82,0
86,0	44,0	82,6				17 200	15 700	14 300	86,0
90,0	41,0	78,2				14 200	12 900	11 700	90,0
94,0	37,8	73,2				11 400	10 300	9 200	94,0
98,0	34,4	67,6				8 900			98,0