

Liftcrane Jib Capacities

Jib No. 148 on
 Boom No. B60:680
 with Mast No. M10:684 or Mast No. M11:684
 200 000 kg VPC (Variable Position Counterweight)
 360 Degree Rating

MLC650 VPC-MAX SERIES 1



LIFTING CAPACITIES: Chart supplements Boom Capacity chart No. 9386-AM. 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 3 720 kg minimum weight suspended beneath jib 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 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, level, and uniformly supporting surface. Refer to Boom Rigging No. 81022686, Jib Rigging No. 81023385, Mast Rigging No. 81025005 or 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, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level, and uniformly supporting surface. Boom must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart No. 9677-A.



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



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



JIB POINT ELEVATION: Jib point elevation is vertical distance from ground level to centerline of jib 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.

Luffing Jib Backstay Deduct	
Boom Length (m)	Deduct (kg)
44,0	2 800
50,0	3 500
56,0	3 900
62,0	4 600
68,0	4 600
74,0	4 600
80,0	5 000
86,0	5 700
92,0	6 100
98,0	6 700
104,0	7 300
Deduct the appropriate value from capacities when luffing jib backstays are stored on boom.	

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Refer to Table 1 (with luffing jib backstays stored) and Table 2 (without luffing jib backstays stored) 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 ground until combined weights are within rated capacity of chart. Raising is not permitted in shaded areas of table.

Select counterweight position from Tables 1 or 2 that will allow raising and lowering of boom and jib length. Counterweight position selection may be changed with jib on ground 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 2 800 kg.

Table 1a: With Luffing Jib Backstays

Over End or Side of Crawlers												
Boom Length (m)	Counterweight Position											
	11,8 m						18,3 m					
	Jib Length (m)											
	12,0	18,0	24,0	30,0	36,0	42,0	12,0	18,0	24,0	30,0	36,0	42,0
	Block Weight (kg)											
44,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
50,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
56,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
62,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
68,0	21 000	21 000	10 200	10 200	10 200	10 200	21 000	21 000	21 000	21 000	21 000	21 000
74,0	10 200	10 200	10 200	7 300	7 300	7 300	21 000	21 000	21 000	21 000	21 000	21 000
80,0	#	#	#	#	#	#	21 000	21 000	21 000	21 000	21 000	10 200
86,0	Raising Not Permitted						10 200	10 200	10 200	10 200	10 200	10 200
92,0							10 200	7 300	7 300	7 300	#	#
98,0							#	#	#	#	#	
104,0												

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Table 1b: With Luffing Jib Backstays

Over End of Blocked Crawlers												
Boom Length (m)	Counterweight Position											
	11,8 m						18,3 m					
	Jib Length (m)											
	12,0	18,0	24,0	30,0	36,0	42,0	12,0	18,0	24,0	30,0	36,0	42,0
	Block Weight (kg)											
44,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
50,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
56,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
62,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
68,0	21 000	21 000	10 200	10 200	10 200	10 200	21 000	21 000	21 000	21 000	21 000	21 000
74,0	10 200	10 200	10 200	7 300	7 300	7 300	21 000	21 000	21 000	21 000	21 000	21 000
80,0	#	#	#	#	#	#	21 000	21 000	21 000	21 000	21 000	10 200
86,0	#	#	#	#	#	#	10 200	10 200	10 200	10 200	10 200	10 200
92,0	Raising Not Permitted						10 200	7 300	7 300	7 300	#	#
98,0							#	#	#	#	#	#
104,0							#	#	#	#		
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>												

REFERENCE ONLY

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Table 2a: Without Luffing Jib Backstays

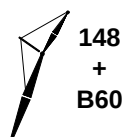
Over End or Side of Crawlers												
Boom Length (m)	Counterweight Position											
	11,8 m						18,3 m					
	Jib Length (m)											
	12,0	18,0	24,0	30,0	36,0	42,0	12,0	18,0	24,0	30,0	36,0	42,0
	Block Weight (kg)											
44,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
50,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
56,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
62,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
68,0	21 000	21 000	21 000	10 200	10 200	10 200	21 000	21 000	21 000	21 000	21 000	21 000
74,0	10 200	10 200	10 200	10 200	10 200	7 300	21 000	21 000	21 000	21 000	21 000	21 000
80,0	7 300	7 300	#	#	#	#	21 000	21 000	21 000	21 000	21 000	21 000
86,0	#	#	#	#			10 200	10 200	10 200	10 200	10 200	10 200
92,0							10 200	10 200	10 200	10 200	7 300	7 300
98,0	Raising Not Permitted						#	#	#	#	#	#
104,0							#	#	#			

Table 2b: Without Luffing Jib Backstays

Over End of Blocked Crawlers												
Boom Length (m)	Counterweight Position											
	11,8 m						18,3 m					
	Jib Length (m)											
	12,0	18,0	24,0	30,0	36,0	42,0	12,0	18,0	24,0	30,0	36,0	42,0
	Block Weight (kg)											
44,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
50,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
56,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
62,0	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000	21 000
68,0	21 000	21 000	21 000	10 200	10 200	10 200	21 000	21 000	21 000	21 000	21 000	21 000
74,0	10 200	10 200	10 200	10 200	10 200	7 300	21 000	21 000	21 000	21 000	21 000	21 000
80,0	7 300	7 300	#	#	#	#	21 000	21 000	21 000	21 000	21 000	21 000
86,0	#	#	#	#	#	#	10 200	10 200	10 200	10 200	10 200	10 200
92,0	#	#	#				10 200	10 200	10 200	10 200	7 300	7 300
98,0	Raising Not Permitted						#	#	#	#	#	#
104,0							#	#	#	#	#	#

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



Jib No. 148
+
Boom No. B60:680



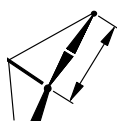
VPC (Variable Position Counterweight)



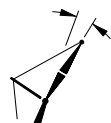
360 Degree Rating



Boom Length



Jib Length



Jib Offset Angle



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Jib Point Elevation
(see page 1)



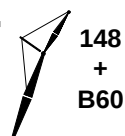
Counterweight Position
from Axis of Rotation



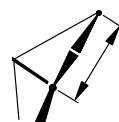
Lifting Capacities
(see page 1)

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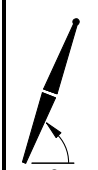
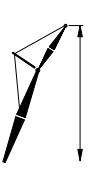
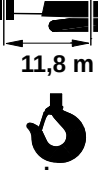
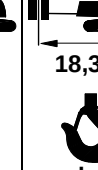
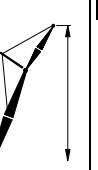
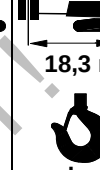
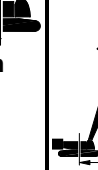
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44,0 m

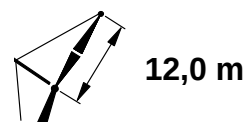
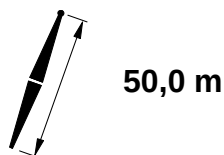


12,0 m

	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
11,6	82,8	58,4	65 000c	65 000c						11,6
12,0	82,3	58,4	65 000c	65 000c						12,0
14,0	80,2	57,9	65 000b	65 000b	82,1	57,5	64 700c	64 700c		14,0
16,0	78,1	57,5	65 000b	65 000b	80,0	57,0	62 000b	62 000b		16,0
18,0	76,0	56,9	65 000	65 000	77,8	56,4	58 200	58 200		18,0
20,0	73,9	56,2	65 000	65 000	75,7	55,8	54 900	54 900		20,0
22,0	71,7	55,5	64 800	64 800	73,5	55,0	52 000	52 000		22,0
24,0	69,5	54,7	62 200	62 200	71,3	54,2	49 300	49 300		24,0
26,0	67,3	53,7	58 400	58 400	69,0	53,3	47 000	47 000		26,0
28,0	65,0	52,7	55 100	55 100	66,7	52,2	44 900	44 900		28,0
30,0	62,6	51,6	52 100	52 100	64,3	51,1	43 000	43 000		30,0
32,0	60,2	50,4	49 500	49 500	61,9	49,9	41 300	41 300		32,0
34,0	57,8	49,0	47 100	47 100	59,4	48,5	39 700	39 700		34,0
36,0	55,2	47,5	45 000	45 000	56,8	47,0	38 300	38 300		36,0
38,0	52,6	45,9	43 000	43 000	54,2	45,3	37 000	37 000		38,0
40,0	49,9	44,1	41 300	41 300	51,4	43,5	35 900	35 900		40,0
42,0	47,0	42,2	39 700	39 700	48,5	41,5	34 800	34 800		42,0
44,0	44,0	40,0	38 200	38 200	45,4	39,3	33 900	33 900		44,0
46,0	40,8	37,5	36 900	36 900	42,1	36,8	33 000	33 000		46,0
48,0	37,3	34,8	35 700	35 700	38,6	34,0	32 200	32 200		48,0
50,0	33,5	31,6	34 600	34 600	34,7	30,7	31 500	31 500		50,0
52,0	29,2	27,9	33 700	33 700	30,2	26,9	31 000	31 000		52,0
54,0	24,1	23,3	32 300	32 900						54,0

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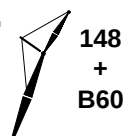
ASME B30.5



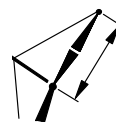
	10°					20°				
	m	°	m	kg	kg	°	m	kg	kg	m
12,2	82,9	64,4	65 000b	65 000b						12,2
14,0	81,2	64,1	65 000	65 000						14,0
16,0	79,3	63,6	65 000	65 000	81,0	63,1	63 700b	63 700b		16,0
18,0	77,4	63,1	65 000	65 000	79,0	62,6	60 200	60 200		18,0
20,0	75,5	62,5	65 000	65 000	77,1	62,0	57 000	57 000		20,0
22,0	73,5	61,8	65 000	65 000	75,2	61,4	54 100	54 100		22,0
24,0	71,6	61,1	65 000	65 000	73,2	60,6	51 600	51 600		24,0
26,0	69,6	60,3	62 400	62 400	71,2	59,8	49 200	49 200		26,0
28,0	67,6	59,4	58 900	58 900	69,1	58,9	47 100	47 100		28,0
30,0	65,5	58,4	55 900	55 900	67,1	57,9	45 200	45 200		30,0
32,0	63,4	57,3	53 100	53 100	64,9	56,8	43 500	43 500		32,0
34,0	61,3	56,2	50 600	50 600	62,8	55,6	41 900	41 900		34,0
36,0	59,1	54,9	48 300	48 300	60,6	54,3	40 500	40 500		36,0
38,0	56,9	53,5	46 300	46 300	58,3	52,9	39 100	39 100		38,0
40,0	54,6	52,0	44 500	44 500	56,0	51,4	37 900	37 900		40,0
42,0	52,2	50,3	42 700	42 700	53,6	49,7	36 800	36 800		42,0
44,0	49,7	48,6	41 200	41 200	51,1	47,9	35 700	35 700		44,0
46,0	47,1	46,6	39 700	39 700	48,4	45,9	34 800	34 800		46,0
48,0	44,4	44,5	38 400	38 400	45,7	43,8	33 900	33 900		48,0
50,0	41,6	42,1	36 600	37 200	42,8	41,4	33 200	33 200		50,0
52,0	38,5	39,5	33 600	36 100	39,7	38,7	32 400	32 400		52,0
54,0	35,2	36,5	30 700	35 100	36,3	35,7	31 100	31 800		54,0
56,0	31,6	33,1	28 100	34 200	32,6	32,2	28 400	31 300		56,0
58,0	27,5	29,2	25 500	33 400						58,0
60,0	22,7	24,3	23 100	32 700						60,0

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56,0 m

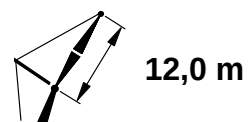
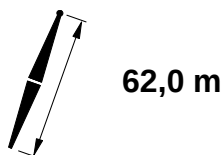


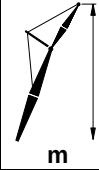
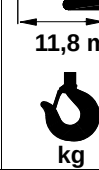
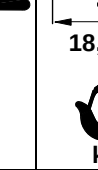
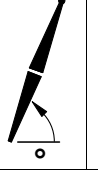
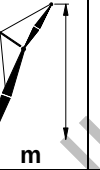
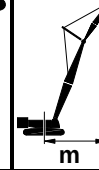
12,0 m

	10°				20°				
	m	°	m	kg	kg	°	m	kg	m
13,7	82,2	70,2	65 000	65 000					13,7
14,0	82,0	70,2	65 000	65 000					14,0
16,0	80,3	69,8	65 000	65 000	81,8	69,3	64 500	64 500	16,0
18,0	78,5	69,3	65 000	65 000	80,0	68,8	62 000	62 000	18,0
20,0	76,8	68,8	65 000	65 000	78,3	68,3	58 900	58 900	20,0
22,0	75,1	68,2	65 000	65 000	76,5	67,7	56 100	56 100	22,0
24,0	73,3	67,5	65 000	65 000	74,7	67,0	53 600	53 600	24,0
26,0	71,5	66,8	64 900	64 900	72,9	66,3	51 200	51 200	26,0
28,0	69,7	66,0	62 500	62 500	71,1	65,5	49 200	49 200	28,0
30,0	67,8	65,1	59 300	59 300	69,3	64,6	47 300	47 300	30,0
32,0	66,0	64,1	56 500	56 500	67,4	63,6	45 500	45 500	32,0
34,0	64,1	63,1	53 900	53 900	65,5	62,6	43 900	43 900	34,0
36,0	62,2	62,0	51 600	51 600	63,5	61,4	42 400	42 400	36,0
38,0	60,2	60,7	49 400	49 400	61,5	60,2	41 100	41 100	38,0
40,0	58,2	59,4	47 500	47 500	59,5	58,9	39 800	39 800	40,0
42,0	56,1	58,0	45 700	45 700	57,4	57,4	38 600	38 600	42,0
44,0	54,0	56,5	44 000	44 000	55,3	55,9	37 600	37 600	44,0
46,0	51,8	54,8	41 400	42 500	53,1	54,2	36 600	36 600	46,0
48,0	49,6	53,0	37 800	41 100	50,8	52,4	35 600	35 600	48,0
50,0	47,2	51,1	34 500	39 800	48,4	50,4	34 800	34 800	50,0
52,0	44,8	49,0	31 400	38 600	45,9	48,3	32 200	34 000	52,0
54,0	42,2	46,7	28 600	37 500	43,3	45,9	29 300	33 300	54,0
56,0	39,5	44,1	25 900	36 500	40,6	43,4	26 500	32 600	56,0
58,0	36,6	41,3	23 400	35 500	37,6	40,5	23 900	32 000	58,0
60,0	33,5	38,2	21 100	34 600	34,4	37,3	21 500	31 500	60,0
62,0	30,1	34,6	18 900	33 800	30,9	33,6	19 200	31 100	62,0
64,0	26,2	30,5	16 800	33 100	26,9	29,3	17 000	30 800	64,0
66,0	21,5	25,3	14 800	32 600					66,0

MLC650 VPC-MAX S-1

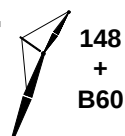
ASME B30.5



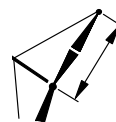
	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
13,7	82,9	76,3	65 000	65 000					13,7
14,0	82,6	76,3	65 000	65 000					14,0
16,0	81,1	75,9	65 000	65 000					16,0
18,0	79,5	75,5	65 000	65 000					18,0
20,0	77,9	75,0	65 000	65 000	80,9	75,0	63 500	63 500	20,0
22,0	76,3	74,4	65 000	65 000	79,3	74,5	60 600	60 600	22,0
24,0	74,7	73,8	65 000	65 000	77,7	73,9	57 800	57 800	24,0
26,0	73,1	73,2	65 000	65 000	76,0	73,3	55 300	55 300	26,0
28,0	71,4	72,4	64 700	64 700	74,4	72,7	53 100	53 100	28,0
30,0	69,8	71,6	62 600	62 600	72,7	71,9	51 000	51 000	30,0
32,0	68,1	70,8	59 700	59 700	71,1	71,1	49 100	49 100	32,0
34,0	66,4	69,8	57 000	57 000	69,4	70,2	47 400	47 400	34,0
36,0	64,6	68,8	54 600	54 600	67,7	69,3	45 800	45 800	36,0
38,0	62,9	67,7	52 400	52 400	65,9	68,3	44 300	44 300	38,0
40,0	61,1	66,6	50 400	50 400	64,1	67,2	42 900	42 900	40,0
42,0	59,3	65,3	47 700	48 500	62,3	66,0	41 600	41 600	42,0
44,0	57,4	64,0	43 700	46 800	60,5	64,7	40 400	40 400	44,0
46,0	55,5	62,5	39 700	45 200	58,6	63,4	39 300	39 300	46,0
48,0	53,5	61,0	36 100	43 700	56,7	61,9	38 300	38 300	48,0
50,0	51,5	59,3	32 800	42 300	54,7	60,3	36 800	37 300	50,0
52,0	49,5	57,5	29 700	41 000	52,7	58,7	33 800	36 400	52,0
54,0	47,3	55,6	26 900	39 800	50,6	56,9	30 600	35 600	54,0
56,0	45,1	53,5	24 200	38 800	48,4	54,9	27 700	34 800	56,0
58,0	42,8	51,2	21 700	37 700	46,1	52,8	24 900	34 100	58,0
60,0	40,3	48,8	19 400	36 800	43,8	50,5	22 400	33 400	60,0
62,0	37,7	46,1	17 200	35 900	41,3	48,0	20 000	32 800	62,0
64,0	35,0	43,1	15 200	35 000	38,7	45,3	17 700	32 200	64,0
66,0	32,0	39,8	13 200	34 300	35,9	42,3	15 600	31 700	66,0
68,0	28,7	36,1	11 400	33 600	32,8	38,9	13 600	31 300	68,0
70,0	25,0	31,7	9 600	33 000	29,4	35,0	11 600	31 000	70,0
72,0	20,5	26,3	7 800	32 500					72,0

MLC650 VPC-MAX S-1

ASME B30.5



68,0 m

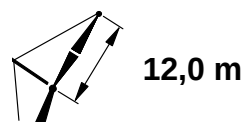
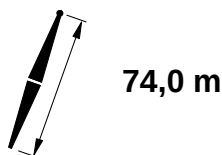
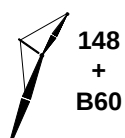


12,0 m

	10°				20°				
15,2	82,3	82,1	65 000	65 000					15,2
16,0	81,7	82,0	65 000	65 000					16,0
18,0	80,3	81,6	65 000	65 000	81,6	81,1	64 600	64 600	18,0
20,0	78,8	81,2	65 000	65 000	80,1	80,7	62 000	62 000	20,0
22,0	77,4	80,7	65 000	65 000	78,6	80,2	59 400	59 400	22,0
24,0	75,9	80,1	65 000	65 000	77,1	79,6	56 900	56 900	24,0
26,0	74,4	79,5	65 000	65 000	75,6	79,0	54 700	54 700	26,0
28,0	72,9	78,8	65 000	65 000	74,1	78,3	52 700	52 700	28,0
30,0	71,3	78,1	64 700	64 700	72,6	77,6	50 800	50 800	30,0
32,0	69,8	77,3	62 700	62 700	71,0	76,8	49 000	49 000	32,0
34,0	68,3	76,4	60 000	60 000	69,5	75,9	47 400	47 400	34,0
36,0	66,7	75,5	57 500	57 500	67,9	75,0	45 900	45 900	36,0
38,0	65,1	74,5	55 200	55 200	66,3	74,0	44 500	44 500	38,0
40,0	63,5	73,5	52 400	53 100	64,6	72,9	43 300	43 300	40,0
42,0	61,8	72,3	47 600	51 200	63,0	71,8	42 100	42 100	42,0
44,0	60,2	71,1	43 200	49 400	61,3	70,6	40 900	40 900	44,0
46,0	58,5	69,9	39 300	47 700	59,6	69,3	39 700	39 900	46,0
48,0	56,7	68,5	35 700	46 200	57,8	67,9	36 800	38 900	48,0
50,0	55,0	67,0	32 300	44 800	56,0	66,4	33 400	38 000	50,0
52,0	53,1	65,4	29 200	43 400	54,2	64,8	30 200	37 100	52,0
54,0	51,3	63,8	26 400	42 200	52,3	63,1	27 300	36 300	54,0
56,0	49,4	62,0	23 700	41 000	50,4	61,3	24 600	35 500	56,0
58,0	47,4	60,1	21 200	39 900	48,4	59,4	22 000	34 800	58,0
60,0	45,3	58,0	18 900	38 900	46,3	57,3	19 600	34 100	60,0
62,0	43,2	55,8	16 800	37 900	44,2	55,1	17 400	33 500	62,0
64,0	41,0	53,4	14 700	37 000	41,9	52,6	15 300	32 900	64,0
66,0	38,6	50,8	12 800	36 200	39,5	50,0	13 300	32 400	66,0
68,0	36,2	48,0	11 000	35 400	37,0	47,1	11 400	31 900	68,0
70,0	33,5	44,9	9 200	34 700	34,3	43,9	9 600	31 500	70,0
72,0	30,7	41,4	7 600	34 000	31,4	40,4	7 900	31 100	72,0
74,0	27,5	37,5	6 000	33 400	28,1	36,3	6 200	30 800	74,0
76,0	23,9	32,9	4 500	32 800					76,0

MLC650 VPC-MAX S-1

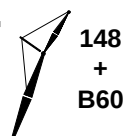
ASME B30.5



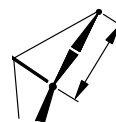
	10°					20°				
	m	°	m	kg	kg	°	m	kg	kg	m
15,2	82,8	88,2	65 000	65 000						15,2
16,0	82,3	88,1	65 000	65 000						16,0
18,0	81,0	87,7	65 000	65 000						18,0
20,0	79,6	87,3	65 000	65 000						20,0
22,0	78,3	86,8	65 000	65 000						22,0
24,0	76,9	86,3	65 000	65 000						24,0
26,0	75,5	85,8	65 000	65 000						26,0
28,0	74,1	85,1	65 000	65 000						28,0
30,0	72,7	84,5	65 000	65 000						30,0
32,0	71,3	83,7	64 800	64 800						32,0
34,0	69,9	83,0	62 800	62 800						34,0
36,0	68,4	82,1	60 300	60 300						36,0
38,0	67,0	81,2	55 900	57 900						38,0
40,0	65,5	80,2	50 600	55 800						40,0
42,0	64,0	79,2	45 800	53 800						42,0
44,0	62,5	78,1	41 400	52 000						44,0
46,0	60,9	77,0	37 400	50 200						46,0
48,0	59,4	75,7	33 800	48 600						48,0
50,0	57,8	74,4	30 400	47 200						50,0
52,0	56,2	73,0	27 300	45 800						52,0
54,0	54,5	71,5	24 500	44 400						54,0
56,0	52,8	69,9	21 800	43 200						56,0
58,0	51,1	68,2	19 300	42 100						58,0
60,0	49,3	66,4	17 000	41 000						60,0
62,0	47,4	64,5	14 900	40 000						62,0
64,0	45,5	62,5	12 800	39 000						64,0
66,0	43,6	60,3	10 900	38 100						66,0
68,0	41,5	58,0	9 100	37 300						68,0
70,0	39,4	55,5	7 400	36 400						70,0
72,0	37,2	52,7	5 800	35 700						72,0
74,0	34,8	49,8	4 200	35 000						74,0
76,0	32,2	46,5		34 400						76,0
78,0	29,5	42,9		33 700						78,0
80,0	26,4	38,8		32 100						80,0
82,0	23,0	34,0		30 400						82,0

MLC650 VPC-MAX S-1

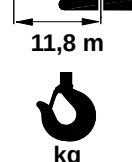
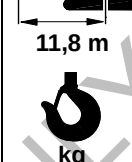
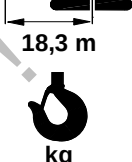
ASME B30.5



80,0 m

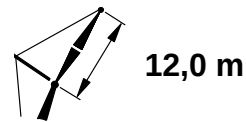
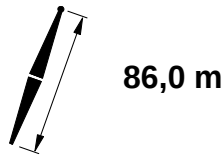


12,0 m

	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
16,8	82,4	94,0	65 000	65 000					16,8
18,0	81,6	93,8	65 000	65 000					18,0
20,0	80,3	93,4	65 000	65 000	81,4	92,9	64 600	64 600	20,0
22,0	79,0	93,0	65 000	65 000	80,1	92,5	62 100	62 100	22,0
24,0	77,8	92,5	65 000	65 000	78,9	92,0	59 700	59 700	24,0
26,0	76,5	92,0	65 000	65 000	77,6	91,5	57 600	57 600	26,0
28,0	75,2	91,4	65 000	65 000	76,3	90,9	55 600	55 600	28,0
30,0	73,9	90,8	65 000	65 000	75,0	90,3	53 800	53 800	30,0
32,0	72,6	90,1	65 000	65 000	73,6	89,6	52 100	52 100	32,0
34,0	71,2	89,4	64 500	64 500	72,3	88,9	50 500	50 500	34,0
36,0	69,9	88,6	60 800	62 900	71,0	88,1	49 000	49 000	36,0
38,0	68,6	87,8	54 800	60 500	69,6	87,3	47 600	47 600	38,0
40,0	67,2	86,9	49 500	58 300	68,2	86,4	46 300	46 300	40,0
42,0	65,8	86,0	44 700	56 300	66,9	85,4	45 100	45 100	42,0
44,0	64,4	84,9	40 300	54 400	65,5	84,4	41 800	43 900	44,0
46,0	63,0	83,9	36 300	52 600	64,0	83,3	37 800	42 800	46,0
48,0	61,6	82,7	32 600	51 000	62,6	82,2	34 000	41 800	48,0
50,0	60,1	81,5	29 300	49 500	61,1	81,0	30 600	40 800	50,0
52,0	58,7	80,3	26 200	48 000	59,6	79,7	27 400	39 900	52,0
54,0	57,2	78,9	23 300	46 700	58,1	78,3	24 500	39 100	54,0
56,0	55,6	77,5	20 700	45 400	56,6	76,9	21 700	38 300	56,0
58,0	54,1	76,0	18 200	44 200	55,0	75,4	19 200	37 500	58,0
60,0	52,5	74,4	15 900	43 100	53,4	73,8	16 800	36 800	60,0
62,0	50,9	72,7	13 700	42 000	51,8	72,1	14 600	36 100	62,0
64,0	49,2	70,9	11 700	41 000	50,1	70,3	12 500	35 400	64,0
66,0	47,5	69,0	9 800	40 000	48,4	68,3	10 500	34 800	66,0
68,0	45,7	67,0	7 900	39 100	46,6	66,3	8 600	34 200	68,0
70,0	43,9	64,9	6 200	38 300	44,7	64,1	6 900	33 700	70,0
72,0	42,0	62,6	4 600	37 500	42,8	61,8	5 200	33 200	72,0
74,0	40,0	60,1		36 600	40,8	59,3	3 600	32 700	74,0
76,0	38,0	57,5		34 900	38,7	56,6		32 300	76,0
78,0	35,8	54,6		33 000	36,5	53,7		31 900	78,0
80,0	33,5	51,5		31 200	34,2	50,6		31 200	80,0
82,0	31,1	48,1		29 400	31,7	47,1		29 700	82,0
84,0	28,4	44,3		27 800	29,0	43,2		28 000	84,0
86,0	25,5	40,1		26 200					86,0
88,0	22,2	35,1		24 600					88,0

MLC650 VPC-MAX S-1

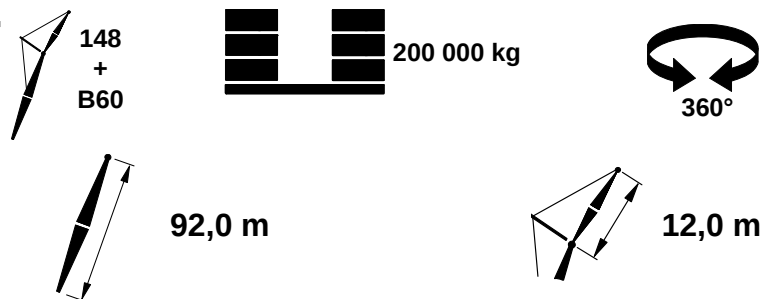
ASME B30.5

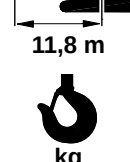
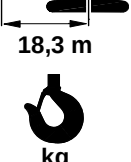
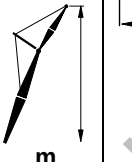
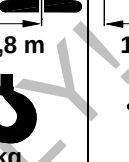


	10°					20°				
	 m	 °	 m	 kg	 kg	 °	 m	 kg	 kg	 m
16,8	82,8	100,1	65 000	65 000	65 000					16,8
18,0	82,1	99,9	65 000	65 000	65 000					18,0
20,0	80,9	99,6	65 000	65 000	65 000	82,0	99,1	64 600	64 600	20,0
22,0	79,7	99,2	65 000	65 000	65 000	80,8	98,7	63 200	63 200	22,0
24,0	78,5	98,7	65 000	65 000	65 000	79,6	98,2	61 000	61 000	24,0
26,0	77,3	98,2	65 000	65 000	65 000	78,3	97,7	58 900	58 900	26,0
28,0	76,1	97,7	65 000	65 000	65 000	77,1	97,2	56 900	56 900	28,0
30,0	74,9	97,1	65 000	65 000	65 000	75,9	96,6	55 100	55 100	30,0
32,0	73,7	96,5	65 000	65 000	65 000	74,7	95,9	53 400	53 400	32,0
34,0	72,4	95,8	64 900	64 900	64 900	73,4	95,3	51 900	51 900	34,0
36,0	71,2	95,1	64 300	64 300	64 300	72,2	94,5	50 400	50 400	36,0
38,0	69,9	94,3	59 900	63 000	63 000	70,9	93,8	49 000	49 000	38,0
40,0	68,7	93,5	54 200	60 800	60 800	69,7	92,9	47 700	47 700	40,0
42,0	67,4	92,6	49 100	58 700	58 700	68,4	92,0	46 500	46 500	42,0
44,0	66,1	91,7	44 400	56 800	56 800	67,1	91,1	45 300	45 300	44,0
46,0	64,8	90,7	40 100	55 000	55 000	65,8	90,1	41 700	44 200	46,0
48,0	63,5	89,6	36 200	53 300	53 300	64,5	89,1	37 700	43 200	48,0
50,0	62,2	88,5	32 600	51 700	51 700	63,1	87,9	34 000	42 200	50,0
52,0	60,8	87,4	29 200	50 200	50 200	61,8	86,8	30 600	41 300	52,0
54,0	59,5	86,1	26 200	48 800	48 800	60,4	85,5	27 400	40 400	54,0
56,0	58,1	84,8	23 300	47 500	47 500	59,0	84,2	24 500	39 600	56,0
58,0	56,6	83,5	20 700	46 300	46 300	57,5	82,8	21 800	38 800	58,0
60,0	55,2	82,0	18 200	45 100	45 100	56,1	81,4	19 200	38 000	60,0
62,0	53,7	80,5	15 900	44 000	44 000	54,6	79,9	16 800	37 300	62,0
64,0	52,2	78,9	13 700	42 900	42 900	53,1	78,2	14 600	36 600	64,0
66,0	50,7	77,2	11 700	41 900	41 900	51,6	76,5	12 500	36 000	66,0
68,0	49,1	75,4	9 700	41 000	41 000	50,0	74,7	10 500	35 400	68,0
70,0	47,5	73,5	7 900	39 600	39 600	48,4	72,8	8 600	34 800	70,0
72,0	45,9	71,5	6 200	37 400	37 400	46,7	70,8	6 900	34 300	72,0
74,0	44,2	69,4	4 500	35 300	35 300	45,0	68,6	5 200	33 800	74,0
76,0	42,4	67,1		33 300	33 300	43,2	66,4	3 600	33 300	76,0
78,0	40,6	64,7		31 300	31 300	41,3	63,9		31 700	78,0
80,0	38,7	62,1		29 500	29 500	39,4	61,3		29 900	80,0
82,0	36,7	59,4		27 800	27 800	37,4	58,5		28 100	82,0
84,0	34,6	56,4		26 100	26 100	35,3	55,5		26 400	84,0
86,0	32,4	53,2		24 600	24 600	33,0	52,2		24 800	86,0
88,0	30,0	49,7		23 000	23 000	30,6	48,6		23 200	88,0
90,0	27,5	45,7		21 600	21 600					90,0
94,0	21,4	36,2		18 800	18 800					94,0

MLC650 VPC-MAX S-1

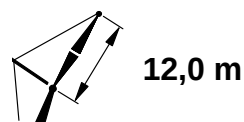
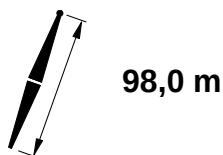
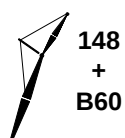
ASME B30.5

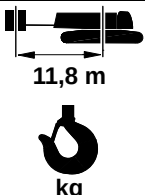
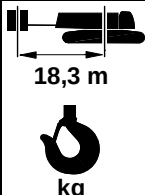
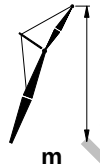
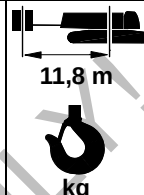
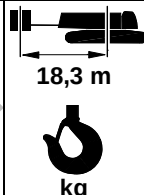


	10°				20°					
										
	m	°	m	kg	kg	°	m	kg	kg	m
18,3	82,4	105,9	65 000	65 000	82,4	105,1	64 400	64 400	18,3	
20,0	81,4	105,6	65 000	65 000	81,3	104,7	63 900	63 900	20,0	
22,0	80,3	105,3	65 000	65 000	80,2	104,3	62 100	62 100	22,0	
24,0	79,2	104,8	65 000	65 000	79,0	103,9	60 100	60 100	24,0	
26,0	78,1	104,4	65 000	65 000	77,9	103,3	58 200	58 200	26,0	
28,0	76,9	103,9	65 000	65 000	76,7	102,8	56 400	56 400	28,0	
30,0	75,8	103,3	65 000	65 000	75,6	102,2	54 700	54 700	30,0	
32,0	74,6	102,7	65 000	65 000	74,4	101,6	53 100	53 100	32,0	
34,0	73,5	102,1	65 000	65 000	73,3	100,9	51 700	51 700	34,0	
36,0	72,3	101,4	63 900	64 800	72,1	100,2	50 300	50 300	36,0	
38,0	71,2	100,7	58 800	64 000	70,9	99,4	49 000	49 000	38,0	
40,0	70,0	99,9	53 100	63 000	69,7	98,6	47 800	47 800	40,0	
42,0	68,8	99,1	47 900	61 100	68,5	97,7	46 600	46 600	42,0	
44,0	67,6	98,2	43 100	59 100	67,3	96,8	45 500	45 500	44,0	
46,0	66,4	97,3	38 800	57 200	66,1	95,8	44 500	44 500	46,0	
48,0	65,2	96,3	34 900	55 500	64,8	94,8	43 500	43 500	48,0	
50,0	63,9	95,3	31 300	53 900	63,6	93,7	42 600	42 600	50,0	
52,0	62,7	94,2	28 000	52 400	62,3	92,5	41 700	41 700	52,0	
54,0	61,4	93,1	24 900	50 900	61,0	91,3	40 800	40 800	54,0	
56,0	60,1	91,9	22 100	49 600	59,7	90,1	40 000	40 000	56,0	
58,0	58,8	90,7	19 400	48 300	58,4	88,7	39 300	39 300	58,0	
60,0	57,5	89,3	16 900	47 100	57,0	87,3	38 600	38 600	60,0	
62,0	56,2	87,9	14 600	45 900	55,6	85,8	37 900	37 900	62,0	
64,0	54,8	86,5	12 400	44 800	54,2	84,3	37 200	37 200	64,0	
66,0	53,4	84,9	10 400	43 400	52,8	82,7	36 600	36 600	66,0	
68,0	52,0	83,3	8 500	41 000	51,4	81,0	36 000	36 000	68,0	
70,0	50,6	81,6	6 600	38 600	49,9	79,1	35 400	35 400	70,0	
72,0	49,1	79,8	4 900	36 300	48,3	77,2	34 500	34 500	72,0	
74,0	47,6	77,9		34 200	46,8	75,2	32 700	32 700	74,0	
76,0	46,0	76,0		32 200	45,2	73,1	30 800	30 800	76,0	
78,0	44,4	73,9		30 300	43,5	70,9	28 900	28 900	78,0	
80,0	42,8	71,6		28 500	41,8	68,5	27 200	27 200	80,0	
82,0	41,1	69,3		26 800	40,0	65,9	25 500	25 500	82,0	
84,0	39,3	66,8		25 100	38,1	63,2	23 900	23 900	84,0	
86,0	37,5	64,1		23 500	36,2	60,3	22 300	22 300	86,0	
88,0	35,5	61,2		22 000	34,1	57,2	20 900	20 900	88,0	
90,0	33,5	58,1		20 600	29,6	50,0	18 100	18 100	90,0	
94,0	29,1	51,1		17 900					94,0	
98,0	23,8	42,4		15 400					98,0	

MLC650 VPC-MAX S-1

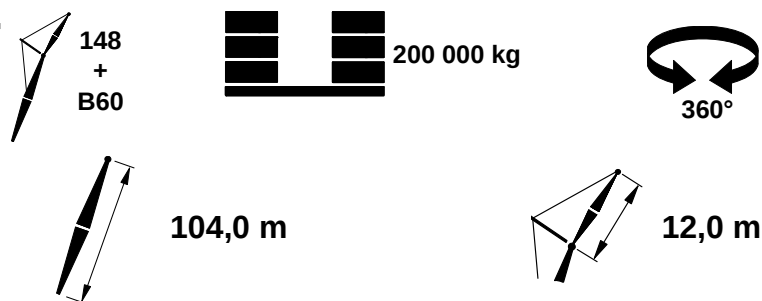
ASME B30.5

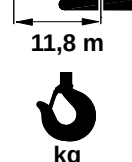
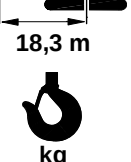
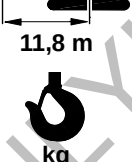
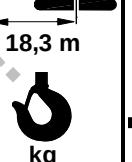


	10°				20°					
										
	m	°	m	kg	kg	°	m	kg	kg	m
18,3	82,8	112,0	65 000	65 000	82,8	111,2	64 100	64 100	18,3	
20,0	81,9	111,7	65 000	65 000	81,8	110,9	64 000	64 000	20,0	
22,0	80,9	111,4	65 000	65 000	80,7	110,5	63 000	63 000	22,0	
24,0	79,8	111,0	65 000	65 000	79,6	110,0	61 200	61 200	24,0	
26,0	78,7	110,5	65 000	65 000	78,6	109,5	59 300	59 300	26,0	
28,0	77,7	110,1	65 000	65 000	77,5	109,0	57 600	57 600	28,0	
30,0	76,6	109,5	65 000	65 000	76,4	108,5	55 900	55 900	30,0	
32,0	75,5	109,0	65 000	65 000	75,3	107,9	54 400	54 400	32,0	
34,0	74,4	108,4	65 000	65 000	74,2	107,2	52 900	52 900	34,0	
36,0	73,3	107,8	62 600	65 000	73,1	106,5	51 600	51 600	36,0	
38,0	72,2	107,1	56 700	64 700	72,0	105,8	50 200	50 200	38,0	
40,0	71,1	106,4	50 900	63 800	70,9	105,0	47 600	49 000	40,0	
42,0	70,0	105,6	45 700	62 900	69,8	104,2	42 900	47 900	42,0	
44,0	68,9	104,8	41 000	61 300	68,6	103,4	38 500	46 800	44,0	
46,0	67,8	103,9	36 700	59 500	67,5	102,5	34 400	45 700	46,0	
48,0	66,6	103,0	32 700	57 700	66,3	101,5	30 700	44 800	48,0	
50,0	65,5	102,1	29 100	56 000	65,1	100,5	27 300	43 800	50,0	
52,0	64,3	101,0	25 800	54 500	64,0	99,4	24 100	42 900	52,0	
54,0	63,1	100,0	22 700	53 000	62,8	98,3	21 200	42 100	54,0	
56,0	61,9	98,9	19 800	51 600	61,5	97,1	18 500	41 200	56,0	
58,0	60,7	97,7	17 200	50 300	60,3	95,9	15 900	40 500	58,0	
60,0	59,5	96,5	14 700	49 000	59,1	94,6	13 500	39 700	60,0	
62,0	58,3	95,2	12 400	47 100	57,8	93,3	11 300	39 000	62,0	
64,0	57,0	93,9	10 200	44 400	56,5	91,8	9 200	38 400	64,0	
66,0	55,7	92,5	8 100	41 700	55,2	90,3	7 200	37 700	66,0	
68,0	54,5	91,0	6 200	39 200	53,9	88,8	5 300	37 100	68,0	
70,0	53,1	89,4	4 400	36 800	52,6	87,1		35 200	70,0	
72,0	51,8	87,8		34 500	51,2	85,4		33 000	72,0	
74,0	50,4	86,1		32 400	49,8	83,6		31 000	74,0	
76,0	49,0	84,3		30 400	48,3	81,7		29 100	76,0	
78,0	47,6	82,4		28 500	46,9	79,7		27 200	78,0	
80,0	46,1	80,4		26 700	45,3	77,6		25 500	80,0	
82,0	44,6	78,4		25 000	43,8	75,4		23 800	82,0	
84,0	43,1	76,2		23 300	42,2	73,1		22 200	84,0	
86,0	41,5	73,8		21 800	40,5	70,6		20 700	86,0	
88,0	39,9	71,4		20 300	38,8	67,9		19 200	88,0	
90,0	38,1	68,8		18 900	35,1	62,1		16 400	90,0	
94,0	34,5	63,0		16 200	30,9	55,3		13 900	94,0	
98,0	30,4	56,3		13 700					98,0	
102,0	25,8	48,3		11 400					102,0	
106,0	20,1	38,1		9 200					106,0	

MLC650 VPC-MAX S-1

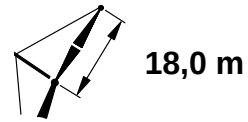
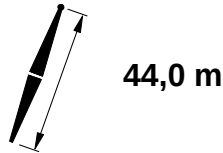
ASME B30.5



	10°					20°					
											
	m	°	m	kg	kg	°	m	kg	kg	m	
19,8	82,4	117,8	65 000	65 000	65 000					19,8	
20,0	82,3	117,8	65 000	65 000	65 000					20,0	
22,0	81,3	117,5	65 000	65 000	65 000	82,2	117,0	63 600	63 600	22,0	
24,0	80,3	117,1	65 000	65 000	65 000	81,2	116,6	63 400	63 400	24,0	
26,0	79,3	116,7	65 000	65 000	65 000	80,2	116,2	62 200	62 200	26,0	
28,0	78,3	116,2	65 000	65 000	65 000	79,2	115,7	60 400	60 400	28,0	
30,0	77,3	115,7	65 000	65 000	65 000	78,2	115,2	58 600	58 600	30,0	
32,0	76,3	115,2	65 000	65 000	65 000	77,1	114,7	57 000	57 000	32,0	
34,0	75,2	114,7	64 900	64 900	64 900	76,1	114,1	55 500	55 500	34,0	
36,0	74,2	114,1	64 800	64 800	64 800	75,1	113,5	54 100	54 100	36,0	
38,0	73,2	113,4	62 500	64 700	64 700	74,0	112,9	52 700	52 700	38,0	
40,0	72,1	112,7	56 500	64 300	64 300	73,0	112,2	51 400	51 400	40,0	
42,0	71,1	112,0	50 900	63 500	63 500	71,9	111,5	50 200	50 200	42,0	
44,0	70,0	111,2	45 800	62 600	62 600	70,9	110,7	47 700	49 100	44,0	
46,0	69,0	110,4	41 300	61 600	61 600	69,8	109,9	43 100	48 000	46,0	
48,0	67,9	109,6	37 100	59 800	59 800	68,7	109,0	38 800	46 900	48,0	
50,0	66,8	108,7	33 200	58 100	58 100	67,6	108,1	34 900	46 000	50,0	
52,0	65,7	107,8	29 600	56 500	56 500	66,5	107,2	31 200	45 000	52,0	
54,0	64,6	106,8	26 300	55 000	55 000	65,4	106,2	27 900	44 100	54,0	
56,0	63,5	105,7	23 300	53 600	53 600	64,3	105,2	24 700	43 200	56,0	
58,0	62,4	104,6	20 400	52 200	52 200	63,2	104,1	21 800	42 400	58,0	
60,0	61,3	103,5	17 800	49 200	49 200	62,0	102,9	19 100	41 700	60,0	
62,0	60,1	102,3	15 300	46 100	46 100	60,9	101,7	16 600	40 900	62,0	
64,0	59,0	101,1	13 000	43 200	43 200	59,7	100,5	14 200	40 200	64,0	
66,0	57,8	99,8	10 800	40 600	40 600	58,5	99,1	11 900	39 500	66,0	
68,0	56,6	98,4	8 800	38 100	38 100	57,3	97,8	9 800	38 500	68,0	
70,0	55,4	97,0	6 800	35 700	35 700	56,1	96,3	7 800	36 400	70,0	
72,0	54,1	95,5	5 000	33 400	33 400	54,9	94,8	5 900	34 100	72,0	
74,0	52,9	93,9		31 300	31 300	53,6	93,3	4 200	32 000	74,0	
76,0	51,6	92,3		29 300	29 300	52,3	91,6		29 900	76,0	
78,0	50,3	90,6		27 400	27 400	51,0	89,9		28 000	78,0	
80,0	49,0	88,8		25 600	25 600	49,7	88,1		26 200	80,0	
82,0	47,6	86,9		23 900	23 900	48,3	86,2		24 400	82,0	
84,0	46,3	84,9		22 300	22 300	46,9	84,2		22 800	84,0	
86,0	44,8	82,9		20 700	20 700	45,5	82,1		21 200	86,0	
88,0	43,4	80,7		19 200	19 200	44,0	79,9		19 600	88,0	
90,0	41,9	78,4		17 800	17 800	42,5	77,6		18 200	90,0	
94,0	38,7	73,4		15 100	15 100	39,3	72,6		15 500	94,0	
98,0	35,3	67,8		12 700	12 700	35,9	66,9		12 900	98,0	
102,0	31,6	61,4		10 400	10 400	32,1	60,4		10 600	102,0	
106,0	27,4	53,9		8 200	8 200	27,8	52,8		8 400	106,0	
110,0	22,5	44,7		6 100	6 100					110,0	

MLC650 VPC-MAX S-1

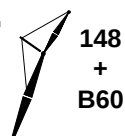
ASME B30.5



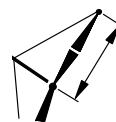
	10°					20°				
13,7	82,9	64,0	51 600c	51 600c	81,4	62,3	39 800b	39 800b	13,7	14,0
14,0	82,7	64,0	51 300c	51 300c	79,4	61,8	37 600b	37 600b	14,0	16,0
16,0	80,8	63,5	49 400b	49 400b	77,4	61,1	35 600	35 600	16,0	18,0
18,0	78,9	63,0	47 700	47 700	75,5	60,3	33 800	33 800	18,0	20,0
20,0	77,0	62,4	46 100	46 100	73,4	59,5	32 200	32 200	20,0	22,0
22,0	75,0	61,8	44 600	44 600	71,4	58,6	30 700	30 700	22,0	24,0
24,0	73,0	61,0	43 300	43 300	69,3	57,6	29 400	29 400	24,0	26,0
26,0	71,1	60,2	41 900	41 900	67,2	56,5	28 200	28 200	26,0	28,0
28,0	69,0	59,3	39 700	39 700	65,0	55,3	27 100	27 100	28,0	30,0
30,0	67,0	58,3	37 600	37 600	62,8	54,0	26 100	26 100	30,0	32,0
32,0	64,9	57,2	35 700	35 700	60,5	52,6	25 200	25 200	32,0	34,0
34,0	62,7	56,1	34 000	34 000	58,2	51,1	24 300	24 300	34,0	36,0
36,0	60,5	54,8	32 500	32 500	55,7	49,4	23 600	23 600	36,0	38,0
38,0	58,3	53,4	31 100	31 100	53,2	47,6	22 900	22 900	38,0	40,0
40,0	56,0	51,9	29 800	29 800	50,6	45,6	22 200	22 200	40,0	42,0
42,0	53,6	50,2	28 700	28 700	47,8	43,4	21 600	21 600	42,0	44,0
44,0	51,1	48,4	27 600	27 600	44,9	40,9	21 100	21 100	44,0	46,0
46,0	48,5	46,5	26 600	26 600	41,7	38,2	20 500	20 500	46,0	48,0
48,0	45,8	44,3	25 700	25 700	38,3	35,2	20 100	20 100	48,0	50,0
50,0	43,0	42,0	24 900	24 900	34,5	31,6	19 700	19 700	50,0	52,0
52,0	39,9	39,3	24 100	24 100					52,0	54,0
54,0	36,6	36,4	23 400	23 400					54,0	56,0
56,0	33,0	33,0	22 800	22 800					56,0	58,0
58,0	28,9	29,0	22 200	22 200					58,0	60,0
60,0	24,0	24,1	21 700	21 700					60,0	

MLC650 VPC-MAX S-1

ASME B30.5



50,0 m

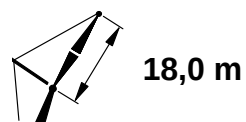
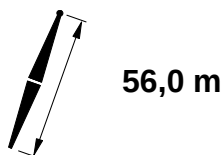
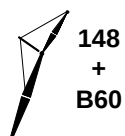


18,0 m

	10°					20°				
	m	°	m	kg	kg	m	kg	kg	m	
15,2	82,3	69,8	50 800b	50 800b						15,2
16,0	81,6	69,6	50 100b	50 100b						16,0
18,0	79,9	69,2	48 500	48 500						18,0
20,0	78,1	68,6	47 000	47 000	80,4	67,9	38 600	38 600		20,0
22,0	76,4	68,0	45 600	45 600	78,6	67,3	36 700	36 700		22,0
24,0	74,6	67,4	44 300	44 300	76,8	66,7	35 000	35 000		24,0
26,0	72,8	66,6	43 000	43 000	75,0	65,9	33 400	33 400		26,0
28,0	71,0	65,8	41 700	41 700	73,2	65,1	32 000	32 000		28,0
30,0	69,2	64,9	39 800	39 800	71,3	64,2	30 700	30 700		30,0
32,0	67,3	64,0	37 900	37 900	69,4	63,2	29 400	29 400		32,0
34,0	65,4	62,9	36 200	36 200	67,5	62,2	28 400	28 400		34,0
36,0	63,5	61,8	34 600	34 600	65,5	61,0	27 400	27 400		36,0
38,0	61,5	60,6	33 100	33 100	63,5	59,8	26 400	26 400		38,0
40,0	59,5	59,3	31 800	31 800	61,5	58,5	25 600	25 600		40,0
42,0	57,4	57,8	30 600	30 600	59,4	57,0	24 800	24 800		42,0
44,0	55,3	56,3	29 500	29 500	57,2	55,5	24 000	24 000		44,0
46,0	53,1	54,7	28 400	28 400	55,0	53,8	23 400	23 400		46,0
48,0	50,8	52,9	27 500	27 500	52,7	52,0	22 700	22 700		48,0
50,0	48,5	50,9	26 600	26 600	50,3	50,0	22 100	22 100		50,0
52,0	46,0	48,8	25 800	25 800	47,8	47,8	21 600	21 600		52,0
54,0	43,5	46,5	25 000	25 000	45,2	45,4	21 100	21 100		54,0
56,0	40,7	43,9	24 300	24 300	42,4	42,8	20 700	20 700		56,0
58,0	37,8	41,1	23 600	23 600	39,4	39,9	20 200	20 200		58,0
60,0	34,7	38,0	23 100	23 100	36,1	36,7	19 900	19 900		60,0
62,0	31,2	34,4	22 500	22 500	32,5	32,9	19 600	19 600		62,0
64,0	27,3	30,1	22 000	22 000	28,4	28,4	19 300	19 300		64,0
66,0	22,6	25,0	20 200	21 600						66,0

MLC650 VPC-MAX S-1

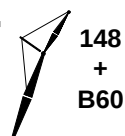
ASME B30.5



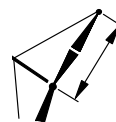
	10°					20°				
15,2	82,9	75,9	51 300	51 300						15,2
16,0	82,3	75,8	50 700	50 700						16,0
18,0	80,7	75,3	49 100	49 100						18,0
20,0	79,1	74,8	47 700	47 700	81,2	74,1	39 600	39 600		20,0
22,0	77,5	74,3	46 400	46 400	79,6	73,6	37 700	37 700		22,0
24,0	75,9	73,7	45 200	45 200	77,9	73,0	36 000	36 000		24,0
26,0	74,3	73,0	44 000	44 000	76,3	72,3	34 500	34 500		26,0
28,0	72,6	72,3	42 900	42 900	74,6	71,6	33 100	33 100		28,0
30,0	71,0	71,5	41 700	41 700	72,9	70,8	31 800	31 800		30,0
32,0	69,3	70,6	40 000	40 000	71,2	69,9	30 600	30 600		32,0
34,0	67,6	69,7	38 200	38 200	69,5	68,9	29 500	29 500		34,0
36,0	65,8	68,7	36 600	36 600	67,8	67,9	28 500	28 500		36,0
38,0	64,1	67,6	35 100	35 100	66,0	66,8	27 600	27 600		38,0
40,0	62,3	66,4	33 700	33 700	64,2	65,6	26 700	26 700		40,0
42,0	60,4	65,1	32 400	32 400	62,3	64,3	25 900	25 900		42,0
44,0	58,6	63,8	31 300	31 300	60,4	63,0	25 100	25 100		44,0
46,0	56,7	62,3	30 200	30 200	58,5	61,5	24 400	24 400		46,0
48,0	54,7	60,8	29 200	29 200	56,5	59,9	23 800	23 800		48,0
50,0	52,7	59,1	28 300	28 300	54,4	58,2	23 200	23 200		50,0
52,0	50,6	57,3	27 400	27 400	52,3	56,4	22 600	22 600		52,0
54,0	48,5	55,4	26 600	26 600	50,1	54,4	22 100	22 100		54,0
56,0	46,2	53,3	25 800	25 800	47,9	52,3	21 600	21 600		56,0
58,0	43,9	51,0	25 100	25 100	45,5	50,0	21 200	21 200		58,0
60,0	41,4	48,6	24 200	24 500	43,0	47,5	20 700	20 700		60,0
62,0	38,8	45,9	22 300	23 900	40,3	44,7	20 400	20 400		62,0
64,0	36,1	42,9	20 200	23 300	37,4	41,6	20 000	20 000		64,0
66,0	33,1	39,6	18 300	22 800	34,3	38,2	18 800	19 700		66,0
68,0	29,7	35,8	16 400	22 300	30,8	34,2	16 800	19 500		68,0
70,0	26,0	31,3	14 600	21 900						70,0

MLC650 VPC-MAX S-1

ASME B30.5



62,0 m

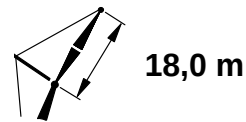
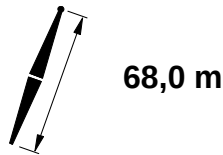


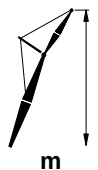
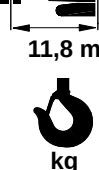
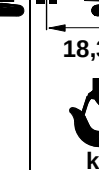
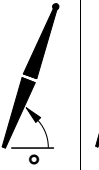
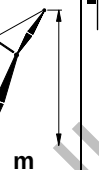
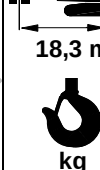
18,0 m

	10°				20°				
	m	°	m	kg	m	°	kg	kg	m
16,8	82,3	81,7	50 500	50 500					16,8
18,0	81,4	81,5	49 700	49 700					18,0
20,0	80,0	81,0	48 300	48 300	81,9	80,3	40 400	40 400	20,0
22,0	78,5	80,5	47 100	47 100	80,4	79,8	38 600	38 600	22,0
24,0	77,0	80,0	45 900	45 900	78,9	79,2	36 900	36 900	24,0
26,0	75,5	79,3	44 800	44 800	77,4	78,6	35 400	35 400	26,0
28,0	74,0	78,7	43 700	43 700	75,9	77,9	34 100	34 100	28,0
30,0	72,5	77,9	42 700	42 700	74,3	77,2	32 800	32 800	30,0
32,0	70,9	77,1	41 700	41 700	72,8	76,4	31 600	31 600	32,0
34,0	69,4	76,3	40 100	40 100	71,2	75,5	30 600	30 600	34,0
36,0	67,8	75,4	38 400	38 400	69,6	74,6	29 600	29 600	36,0
38,0	66,2	74,4	36 900	36 900	68,0	73,6	28 600	28 600	38,0
40,0	64,6	73,3	35 500	35 500	66,3	72,5	27 800	27 800	40,0
42,0	62,9	72,2	34 200	34 200	64,7	71,4	27 000	27 000	42,0
44,0	61,3	71,0	33 000	33 000	63,0	70,2	26 200	26 200	44,0
46,0	59,6	69,7	31 900	31 900	61,3	68,8	25 500	25 500	46,0
48,0	57,8	68,3	30 800	30 800	59,5	67,4	24 800	24 800	48,0
50,0	56,0	66,8	29 900	29 900	57,7	66,0	24 200	24 200	50,0
52,0	54,2	65,3	29 000	29 000	55,8	64,4	23 600	23 600	52,0
54,0	52,3	63,6	28 100	28 100	54,0	62,7	23 100	23 100	54,0
56,0	50,4	61,8	27 300	27 300	52,0	60,8	22 500	22 500	56,0
58,0	48,4	59,9	26 600	26 600	50,0	58,9	22 100	22 100	58,0
60,0	46,4	57,8	25 900	25 900	47,9	56,8	21 600	21 600	60,0
62,0	44,2	55,6	25 200	25 200	45,7	54,5	21 100	21 200	62,0
64,0	42,0	53,2	24 600	24 600	43,4	52,1	19 300	20 800	64,0
66,0	39,7	50,6	24 000	24 000	41,0	49,4	17 300	20 500	66,0
68,0	37,2	47,7	23 500	23 500	38,5	46,5	15 300	20 100	68,0
70,0	34,5	44,6	23 000	23 000	35,7	43,2	13 500	19 900	70,0
72,0	31,6	41,1	22 600	22 600	32,7	39,6	11 700	19 600	72,0
74,0	28,4	37,1	22 200	22 200	29,4	35,5	10 000	19 400	74,0
76,0	24,8	32,5	21 800	21 800					76,0

MLC650 VPC-MAX S-1

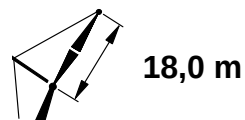
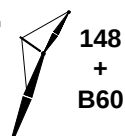
ASME B30.5

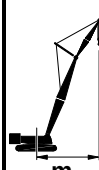
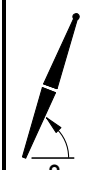
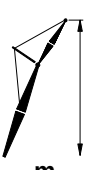
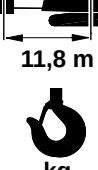
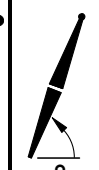
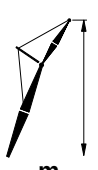
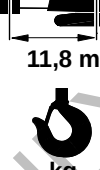
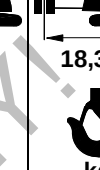


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
16,8	82,9	87,8	50 800	50 800						16,8
18,0	82,0	87,6	50 000	50 000						18,0
20,0	80,7	87,2	48 700	48 700	82,5	86,4	41 100	41 100		20,0
22,0	79,3	86,7	47 600	47 600	81,1	86,0	39 300	39 300		22,0
24,0	77,9	86,2	46 400	46 400	79,7	85,4	37 800	37 800		24,0
26,0	76,5	85,6	45 400	45 400	78,3	84,9	36 300	36 300		26,0
28,0	75,2	85,0	44 400	44 400	76,9	84,2	35 000	35 000		28,0
30,0	73,7	84,3	43 400	43 400	75,5	83,6	33 700	33 700		30,0
32,0	72,3	83,6	42 500	42 500	74,0	82,8	32 600	32 600		32,0
34,0	70,9	82,8	41 500	41 500	72,6	82,0	31 500	31 500		34,0
36,0	69,5	82,0	40 100	40 100	71,1	81,2	30 500	30 500		36,0
38,0	68,0	81,1	38 600	38 600	69,7	80,3	29 600	29 600		38,0
40,0	66,5	80,1	37 200	37 200	68,2	79,3	28 700	28 700		40,0
42,0	65,0	79,1	35 800	35 800	66,7	78,2	27 900	27 900		42,0
44,0	63,5	78,0	34 600	34 600	65,1	77,1	27 100	27 100		44,0
46,0	62,0	76,8	33 500	33 500	63,6	76,0	26 400	26 400		46,0
48,0	60,4	75,5	32 400	32 400	62,0	74,7	25 800	25 800		48,0
50,0	58,8	74,2	31 400	31 400	60,4	73,4	25 100	25 100		50,0
52,0	57,2	72,8	30 400	30 400	58,7	71,9	24 500	24 500		52,0
54,0	55,5	71,3	29 300	29 300	57,0	70,4	24 000	24 000		54,0
56,0	53,8	69,7	27 000	28 800	55,3	68,8	23 400	23 400		56,0
58,0	52,1	68,0	24 500	28 000	53,5	67,1	22 900	22 900		58,0
60,0	50,3	66,2	22 100	27 300	51,7	65,3	22 400	22 500		60,0
62,0	48,4	64,3	19 900	26 600	49,8	63,3	21 000	22 000		62,0
64,0	46,5	62,3	17 900	25 900	47,9	61,3	18 800	21 600		64,0
66,0	44,5	60,1	15 900	25 300	45,9	59,0	16 800	21 300		66,0
68,0	42,5	57,8	14 100	24 800	43,8	56,6	14 900	20 900		68,0
70,0	40,3	55,2	12 400	24 200	41,6	54,1	13 100	20 500		70,0
72,0	38,1	52,5	10 700	23 700	39,3	51,2	11 400	20 200		72,0
74,0	35,7	49,5	9 100	23 200	36,8	48,2	9 700	20 000		74,0
76,0	33,1	46,2	7 600	22 800	34,2	44,8	8 100	19 700		76,0
78,0	30,4	42,6	6 200	22 400	31,3	41,0	6 600	19 500		78,0
80,0	27,3	38,4	4 800	22 000						80,0
82,0	23,8	33,6	3 400	21 700						82,0

MLC650 VPC-MAX S-1

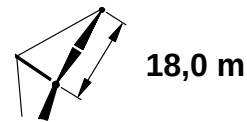
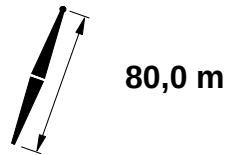
ASME B30.5



	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
18,3	82,4	93,6	50 100	50 100					18,3
20,0	81,3	93,3	49 100	49 100					20,0
22,0	80,0	92,9	48 000	48 000	81,7	92,1	40 000	40 000	22,0
24,0	78,7	92,4	46 900	46 900	80,4	91,6	38 500	38 500	24,0
26,0	77,5	91,9	45 900	45 900	79,1	91,1	37 100	37 100	26,0
28,0	76,2	91,3	45 000	45 000	77,8	90,5	35 800	35 800	28,0
30,0	74,9	90,7	44 000	44 000	76,5	89,9	34 600	34 600	30,0
32,0	73,5	90,0	43 100	43 100	75,1	89,2	33 400	33 400	32,0
34,0	72,2	89,2	42 300	42 300	73,8	88,5	32 400	32 400	34,0
36,0	70,9	88,5	41 500	41 500	72,5	87,7	31 400	31 400	36,0
38,0	69,5	87,6	40 200	40 200	71,1	86,8	30 500	30 500	38,0
40,0	68,2	86,7	38 800	38 800	69,7	85,9	29 600	29 600	40,0
42,0	66,8	85,8	37 400	37 400	68,3	85,0	28 800	28 800	42,0
44,0	65,4	84,8	36 100	36 100	66,9	84,0	28 000	28 000	44,0
46,0	64,0	83,7	35 000	35 000	65,5	82,9	27 300	27 300	46,0
48,0	62,5	82,6	33 900	33 900	64,1	81,7	26 700	26 700	48,0
50,0	61,1	81,4	32 900	32 900	62,6	80,5	26 000	26 000	50,0
52,0	59,6	80,1	30 700	31 900	61,1	79,2	25 400	25 400	52,0
54,0	58,1	78,7	27 800	31 000	59,6	77,9	24 800	24 800	54,0
56,0	56,6	77,3	25 100	30 200	58,0	76,4	24 300	24 300	56,0
58,0	55,0	75,8	22 600	29 400	56,4	74,9	23 700	23 800	58,0
60,0	53,4	74,2	20 200	28 600	54,8	73,3	21 500	23 300	60,0
62,0	51,8	72,5	18 100	27 900	53,2	71,6	19 300	22 900	62,0
64,0	50,1	70,7	16 000	27 200	51,5	69,7	17 100	22 400	64,0
66,0	48,4	68,8	14 000	26 600	49,7	67,8	15 100	22 000	66,0
68,0	46,6	66,8	12 200	26 000	47,9	65,7	13 200	21 600	68,0
70,0	44,8	64,6	10 500	25 400	46,1	63,5	11 400	21 300	70,0
72,0	42,9	62,3	8 800	24 900	44,1	61,2	9 600	20 900	72,0
74,0	40,9	59,9	7 300	24 400	42,1	58,7	8 000	20 600	74,0
76,0	38,9	57,2	5 800	23 900	40,0	56,0	6 400	20 300	76,0
78,0	36,7	54,3	4 300	23 400	37,8	53,0	4 900	20 100	78,0
80,0	34,4	51,2		23 000	35,4	49,8	3 500	19 800	80,0
82,0	31,9	47,8		22 600	32,9	46,3		19 600	82,0
84,0	29,2	44,0		22 300	30,1	42,3		19 400	84,0
86,0	26,3	39,7		21 900					86,0
88,0	22,9	34,7		21 600					88,0

MLC650 VPC-MAX S-1

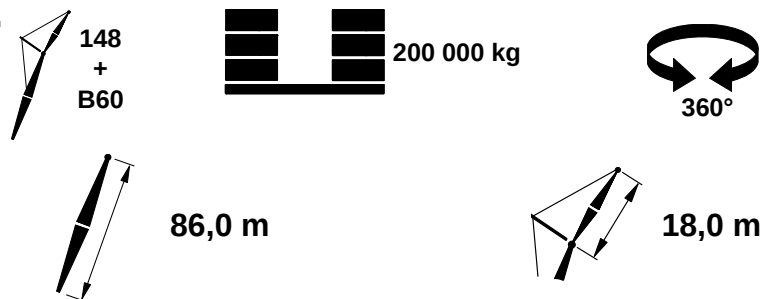
ASME B30.5

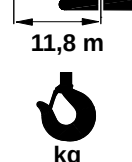
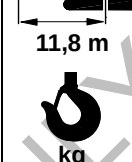
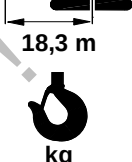


	10°					20°				
	m	°	m	kg	kg	°	m	kg	kg	m
18,3	82,9	99,7	50 400	50 400						18,3
20,0	81,8	99,4	49 400	49 400						20,0
22,0	80,6	99,0	48 400	48 400	82,2	98,3	40 700	40 700		22,0
24,0	79,4	98,6	47 300	47 300	81,0	97,8	39 200	39 200		24,0
26,0	78,2	98,1	46 400	46 400	79,8	97,3	37 800	37 800		26,0
28,0	77,0	97,5	45 400	45 400	78,6	96,8	36 600	36 600		28,0
30,0	75,8	96,9	44 600	44 600	77,3	96,2	35 400	35 400		30,0
32,0	74,6	96,3	43 700	43 700	76,1	95,5	34 300	34 300		32,0
34,0	73,4	95,6	42 900	42 900	74,9	94,9	33 200	33 200		34,0
36,0	72,1	94,9	42 100	42 100	73,6	94,1	32 200	32 200		36,0
38,0	70,9	94,1	41 400	41 400	72,3	93,3	31 300	31 300		38,0
40,0	69,6	93,3	40 300	40 300	71,1	92,5	30 500	30 500		40,0
42,0	68,3	92,4	38 900	38 900	69,8	91,6	29 700	29 700		42,0
44,0	67,0	91,5	37 600	37 600	68,5	90,7	28 900	28 900		44,0
46,0	65,7	90,5	36 500	36 500	67,2	89,7	28 200	28 200		46,0
48,0	64,4	89,4	35 200	35 400	65,8	88,6	27 500	27 500		48,0
50,0	63,1	88,3	32 600	34 300	64,5	87,5	26 900	26 900		50,0
52,0	61,7	87,2	29 500	33 300	63,1	86,3	26 300	26 300		52,0
54,0	60,3	85,9	26 600	32 400	61,7	85,1	25 700	25 700		54,0
56,0	58,9	84,6	23 900	31 500	60,3	83,8	25 100	25 100		56,0
58,0	57,5	83,3	21 400	30 700	58,9	82,4	22 900	24 600		58,0
60,0	56,1	81,8	19 000	29 900	57,4	80,9	20 400	24 100		60,0
62,0	54,6	80,3	16 800	29 200	55,9	79,4	18 200	23 600		62,0
64,0	53,1	78,7	14 800	28 500	54,4	77,7	16 000	23 200		64,0
66,0	51,6	77,0	12 800	27 800	52,9	76,0	14 000	22 800		66,0
68,0	50,0	75,2	11 000	27 200	51,3	74,2	12 100	22 400		68,0
70,0	48,4	73,3	9 300	26 600	49,6	72,3	10 300	22 000		70,0
72,0	46,7	71,3	7 600	26 000	48,0	70,2	8 600	21 700		72,0
74,0	45,0	69,2	6 100	25 500	46,2	68,1	6 900	21 300		74,0
76,0	43,3	66,9	4 600	25 000	44,4	65,8	5 400	21 000		76,0
78,0	41,4	64,5		24 500	42,6	63,3	3 900	20 700		78,0
80,0	39,5	61,9		24 000	40,6	60,7		20 400		80,0
82,0	37,5	59,1		23 600	38,6	57,8		20 200		82,0
84,0	35,4	56,1		23 200	36,4	54,8		19 900		84,0
86,0	33,2	52,9		22 800	34,1	51,4		19 700		86,0
88,0	30,8	49,3		22 500	31,7	47,7		19 500		88,0
90,0	28,2	45,4		22 200						90,0
94,0	22,1	35,7		21 600						94,0

MLC650 VPC-MAX S-1

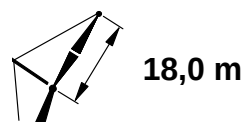
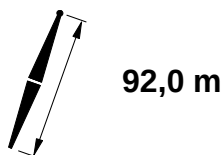
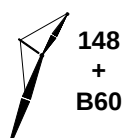
ASME B30.5

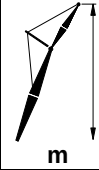
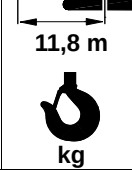
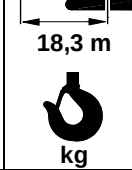
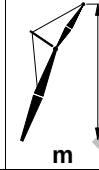
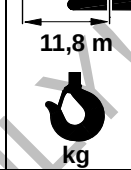
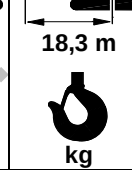
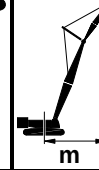


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
19,8	82,4	105,5	48 300	48 300					19,8
20,0	82,3	105,5	48 300	48 300					20,0
22,0	81,2	105,1	47 300	47 300					22,0
24,0	80,1	104,7	46 400	46 400	81,5	103,9	40 400	40 400	24,0
26,0	78,9	104,2	45 500	45 500	80,4	103,5	39 100	39 100	26,0
28,0	77,8	103,7	44 700	44 700	79,3	103,0	37 900	37 900	28,0
30,0	76,7	103,2	43 900	43 900	78,1	102,4	36 700	36 700	30,0
32,0	75,5	102,6	43 100	43 100	76,9	101,8	35 600	35 600	32,0
34,0	74,4	102,0	42 300	42 300	75,8	101,2	34 500	34 500	34,0
36,0	73,2	101,3	41 600	41 600	74,6	100,5	33 500	33 500	36,0
38,0	72,0	100,6	40 900	40 900	73,4	99,8	32 600	32 600	38,0
40,0	70,8	99,8	40 300	40 300	72,2	99,0	31 700	31 700	40,0
42,0	69,6	99,0	39 600	39 600	71,0	98,2	30 900	30 900	42,0
44,0	68,4	98,1	39 000	39 000	69,8	97,3	30 100	30 100	44,0
46,0	67,2	97,2	38 400	38 400	68,6	96,4	29 400	29 400	46,0
48,0	66,0	96,2	37 400	37 400	67,4	95,4	28 700	28 700	48,0
50,0	64,8	95,2	35 800	36 300	66,1	94,3	28 000	28 000	50,0
52,0	63,5	94,1	32 600	35 200	64,9	93,2	27 400	27 400	52,0
54,0	62,3	93,0	29 500	34 300	63,6	92,1	26 800	26 800	54,0
56,0	61,0	91,8	26 600	33 300	62,3	90,9	26 200	26 200	56,0
58,0	59,7	90,5	23 900	32 500	61,0	89,6	25 600	25 700	58,0
60,0	58,3	89,2	21 400	31 600	59,6	88,3	23 000	25 200	60,0
62,0	57,0	87,8	19 000	30 900	58,3	86,9	20 500	24 700	62,0
64,0	55,6	86,3	16 800	30 100	56,9	85,4	18 200	24 200	64,0
66,0	54,2	84,8	14 800	29 400	55,5	83,8	16 100	23 800	66,0
68,0	52,8	83,2	12 800	28 800	54,0	82,2	14 000	23 400	68,0
70,0	51,4	81,5	10 900	28 100	52,6	80,5	12 100	23 000	70,0
72,0	49,9	79,7	9 200	27 500	51,1	78,6	10 300	22 600	72,0
74,0	48,4	77,8	7 500	27 000	49,5	76,7	8 600	22 200	74,0
76,0	46,8	75,8	6 000	26 400	48,0	74,7	6 900	21 900	76,0
78,0	45,2	73,7	4 500	25 900	46,3	72,6	5 300	21 600	78,0
80,0	43,6	71,4		25 400	44,7	70,3	3 900	21 300	80,0
82,0	41,9	69,1		24 900	42,9	67,9		21 000	82,0
84,0	40,1	66,5		24 500	41,1	65,3		20 700	84,0
86,0	38,3	63,9		24 100	39,2	62,6		20 400	86,0
88,0	36,3	61,0		23 700	37,3	59,6		20 200	88,0
90,0	34,3	57,9		23 300	35,2	56,4		20 000	90,0
94,0	29,8	50,8		20 900	30,6	49,2		19 600	94,0
98,0	24,5	42,1		18 400					98,0

MLC650 VPC-MAX S-1

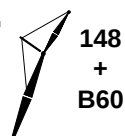
ASME B30.5



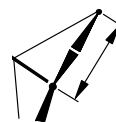
	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
19,8	82,8	111,6	48 400	48 400						19,8
20,0	82,7	111,6	48 400	48 400						20,0
22,0	81,7	111,2	47 500	47 500						22,0
24,0	80,6	110,8	46 600	46 600						24,0
26,0	79,5	110,4	45 800	45 800	82,0	110,0	40 800	40 800		26,0
28,0	78,5	109,9	45 000	45 000	80,9	109,6	39 800	39 800		28,0
30,0	77,4	109,4	44 200	44 200	79,9	109,1	38 500	38 500		30,0
32,0	76,3	108,8	43 500	43 500	78,8	108,6	37 400	37 400		32,0
34,0	75,2	108,2	42 700	42 700	77,7	108,0	36 300	36 300		34,0
36,0	74,1	107,6	42 100	42 100	76,6	107,4	35 200	35 200		36,0
38,0	73,0	106,9	41 400	41 400	75,5	106,8	34 300	34 300		38,0
40,0	71,9	106,2	40 800	40 800	74,4	106,1	33 300	33 300		40,0
42,0	70,8	105,4	40 100	40 100	73,3	105,4	32 500	32 500		42,0
44,0	69,7	104,6	39 500	39 500	72,1	104,6	31 700	31 700		44,0
46,0	68,6	103,7	39 000	39 000	71,0	103,8	30 900	30 900		46,0
48,0	67,4	102,8	37 800	38 400	69,9	102,9	30 200	30 200		48,0
50,0	66,3	101,9	34 700	37 600	68,7	102,0	29 500	29 500		50,0
52,0	65,1	100,9	31 400	36 600	67,5	101,0	28 800	28 800		52,0
54,0	63,9	99,8	28 200	35 600	66,4	100,0	28 200	28 200		54,0
56,0	62,7	98,7	25 300	34 600	65,2	98,9	27 600	27 600		56,0
58,0	61,5	97,5	22 600	33 800	64,0	97,8	26 800	27 000		58,0
60,0	60,3	96,3	20 100	32 900	62,8	96,6	24 400	26 500		60,0
62,0	59,1	95,0	17 700	32 100	61,5	95,4	21 800	25 900		62,0
64,0	57,8	93,7	15 500	31 400	60,3	94,1	19 300	25 400		64,0
66,0	56,5	92,3	13 500	30 600	59,0	92,8	17 000	25 000		66,0
68,0	55,2	90,8	11 500	30 000	57,7	91,3	14 900	24 500		68,0
70,0	53,9	89,2	9 600	29 300	56,4	89,8	12 800	24 100		70,0
72,0	52,6	87,6	7 900	28 700	55,1	88,3	10 900	23 700		72,0
74,0	51,2	85,9	6 200	28 100	53,7	86,6	9 100	23 300		74,0
76,0	49,8	84,1	4 700	27 500	52,3	84,9	7 400	22 900		76,0
78,0	48,4	82,2		27 000	50,9	83,1	5 700	22 600		78,0
80,0	46,9	80,2		26 500	49,5	81,2	4 200	22 200		80,0
82,0	45,4	78,1		26 000	48,0	79,1		21 900		82,0
84,0	43,8	75,9		25 500	46,4	77,0		21 600		84,0
86,0	42,2	73,6		25 100	44,9	74,8		21 300		86,0
88,0	40,6	71,1		24 100	43,2	72,4		21 000		88,0
90,0	38,9	68,5		22 600	41,6	69,9		20 800		90,0
94,0	35,2	62,7		19 900	39,8	67,2		20 500		94,0
98,0	31,1	56,0		17 400	36,1	61,3		20 000		98,0
102,0	26,4	47,9		15 000	31,9	54,4		17 700		102,0
106,0	20,7	37,6		12 800						106,0

MLC650 VPC-MAX S-1

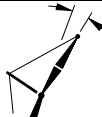
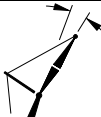
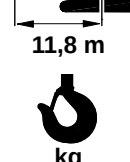
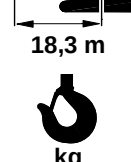
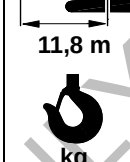
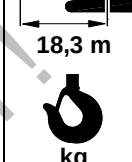
ASME B30.5



98,0 m

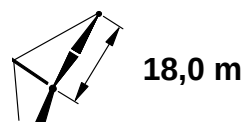
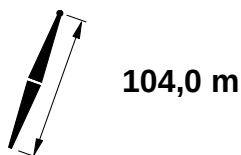


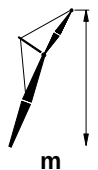
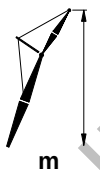
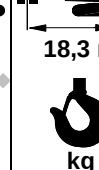
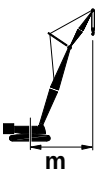
18,0 m

	 10°				 20°					
	 m	 °	 m	 kg 11,8 m	 kg 18,3 m	 °	 m	 kg 11,8 m		 kg 18,3 m
21,3	82,4	117,4	47 800	47 800						21,3
22,0	82,1	117,3	47 500	47 500						22,0
24,0	81,1	116,9	46 700	46 700						24,0
26,0	80,1	116,5	46 000	46 000						26,0
28,0	79,1	116,1	45 200	45 200	81,4	115,7	40 300	40 300		28,0
30,0	78,1	115,6	44 500	44 500	80,4	115,3	39 200	39 200		30,0
32,0	77,0	115,1	43 800	43 800	79,4	114,8	38 000	38 000		32,0
34,0	76,0	114,5	43 100	43 100	78,3	114,3	36 900	36 900		34,0
36,0	75,0	113,9	42 400	42 400	77,3	113,7	35 900	35 900		36,0
38,0	74,0	113,2	41 800	41 800	76,3	113,1	35 000	35 000		38,0
40,0	72,9	112,6	41 200	41 200	75,2	112,4	34 100	34 100		40,0
42,0	71,9	111,8	40 600	40 600	74,2	111,8	33 200	33 200		42,0
44,0	70,8	111,1	40 000	40 000	73,1	111,0	32 400	32 400		44,0
46,0	69,7	110,3	39 200	39 400	72,0	110,3	31 600	31 600		46,0
48,0	68,7	109,4	36 300	38 900	71,0	109,4	30 900	30 900		48,0
50,0	67,6	108,5	32 600	38 400	69,9	108,6	30 200	30 200		50,0
52,0	66,5	107,6	29 200	37 900	68,8	107,7	29 500	29 500		52,0
54,0	65,4	106,6	26 100	36 900	67,7	106,7	28 900	28 900		54,0
56,0	64,3	105,5	23 200	35 900	66,6	105,7	27 800	28 300		56,0
58,0	63,1	104,5	20 400	35 000	65,5	104,7	25 200	27 700		58,0
60,0	62,0	103,3	17 900	34 200	64,3	103,6	22 400	27 200		60,0
62,0	60,9	102,1	15 600	33 400	63,2	102,4	19 700	26 700		62,0
64,0	59,7	100,9	13 300	32 600	62,0	101,2	17 300	26 200		64,0
66,0	58,5	99,6	11 300	31 900	60,9	100,0	15 000	25 700		66,0
68,0	57,3	98,2	9 300	31 100	59,7	98,6	12 800	25 300		68,0
70,0	56,1	96,8	7 400	30 500	58,5	97,3	10 800	24 800		70,0
72,0	54,9	95,3	5 700	29 800	57,2	95,8	8 800	24 400		72,0
74,0	53,6	93,7	4 000	29 200	56,0	94,3	7 000	24 000		74,0
76,0	52,3	92,1		28 600	54,7	92,7	5 300	23 600		76,0
78,0	51,0	90,4		28 100	53,4	91,1	3 600	23 200		78,0
80,0	49,7	88,6		27 500	52,1	89,3		22 900		80,0
82,0	48,4	86,7		26 900	50,8	87,5		22 600		82,0
84,0	47,0	84,7		25 400	49,4	85,6		22 300		84,0
86,0	45,5	82,6		23 900	48,0	83,6		21 900		86,0
88,0	44,1	80,5		22 300	46,5	81,5		21 700		88,0
90,0	42,6	78,2		20 900	45,1	79,3		21 400		90,0
94,0	39,4	73,2		18 200	43,5	77,0		21 100		94,0
98,0	36,0	67,6		15 700	40,3	71,9		18 700		98,0
102,0	32,3	61,1		13 400	36,8	66,2		16 100		102,0
106,0	28,0	53,6		11 200	33,0	59,6		13 700		106,0
110,0	23,0	44,3		9 200	28,7	51,8		11 400		110,0

MLC650 VPC-MAX S-1

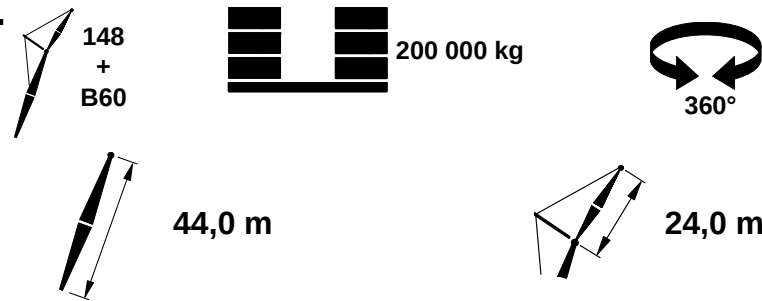
ASME B30.5

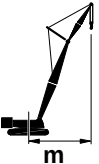
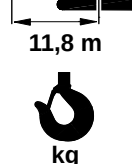
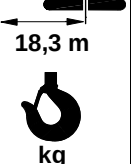
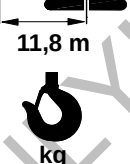
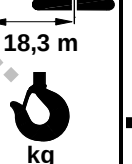


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
21,3	82,8	123,5	47 800	47 800						21,3
22,0	82,5	123,4	47 600	47 600						22,0
24,0	81,6	123,0	46 800	46 800						24,0
26,0	80,6	122,6	46 100	46 100						26,0
28,0	79,6	122,2	45 400	45 400	81,8	121,9	40 300	40 300		28,0
30,0	78,7	121,8	44 700	44 700	80,9	121,4	39 700	39 700		30,0
32,0	77,7	121,3	44 000	44 000	79,9	121,0	38 600	38 600		32,0
34,0	76,7	120,7	43 300	43 300	78,9	120,5	37 600	37 600		34,0
36,0	75,8	120,2	42 700	42 700	78,0	119,9	36 600	36 600		36,0
38,0	74,8	119,6	42 100	42 100	77,0	119,4	35 600	35 600		38,0
40,0	73,8	118,9	41 500	41 500	76,0	118,7	34 700	34 700		40,0
42,0	72,8	118,2	40 900	40 900	75,0	118,1	33 900	33 900		42,0
44,0	71,8	117,5	40 400	40 400	74,0	117,4	33 100	33 100		44,0
46,0	70,8	116,7	39 900	39 900	73,0	116,7	32 300	32 300		46,0
48,0	69,8	115,9	39 300	39 300	72,0	115,9	31 600	31 600		48,0
50,0	68,8	115,1	36 700	38 800	71,0	115,1	30 900	30 900		50,0
52,0	67,7	114,2	33 100	38 400	69,9	114,2	30 200	30 200		52,0
54,0	66,7	113,3	29 700	37 900	68,9	113,4	29 600	29 600		54,0
56,0	65,6	112,3	26 600	37 200	67,8	112,4	29 000	29 000		56,0
58,0	64,6	111,3	23 700	36 300	66,8	111,4	28 300	28 400		58,0
60,0	63,5	110,2	21 000	35 400	65,7	110,4	25 700	27 900		60,0
62,0	62,5	109,1	18 500	34 600	64,7	109,3	22 900	27 400		62,0
64,0	61,4	107,9	16 100	33 800	63,6	108,2	20 300	26 900		64,0
66,0	60,3	106,7	13 900	33 000	62,5	107,0	17 900	26 400		66,0
68,0	59,2	105,4	11 800	32 300	61,4	105,8	15 600	25 900		68,0
70,0	58,0	104,1	9 900	31 600	60,2	104,5	13 400	25 500		70,0
72,0	56,9	102,7	8 000	31 000	59,1	103,2	11 400	25 100		72,0
74,0	55,7	101,3	6 300	30 300	58,0	101,8	9 400	24 700		74,0
76,0	54,5	99,8	4 600	29 700	56,8	100,3	7 600	24 300		76,0
78,0	53,4	98,2		29 100	55,6	98,8	5 900	23 900		78,0
80,0	52,1	96,5		27 700	54,4	97,2	4 200	23 600		80,0
82,0	50,9	94,8		26 000	53,2	95,5		23 200		82,0
84,0	49,6	93,0		24 300	51,9	93,8		22 900		84,0
86,0	48,4	91,2		22 800	50,6	92,0		22 600		86,0
88,0	47,0	89,2		21 300	49,3	90,1		22 300		88,0
90,0	45,7	87,1		19 800	48,0	88,1		21 800		90,0
94,0	42,9	82,7		17 100	46,6	86,0		20 500		94,0
98,0	39,9	77,8		14 600	43,8	81,5		17 700		98,0
102,0	36,7	72,3		12 300	40,8	76,6		15 100		102,0
106,0	33,3	66,1		10 200	37,5	71,0		12 700		106,0
110,0	29,4	59,0		8 200	34,0	64,6		10 500		110,0
114,0	25,0	50,4		6 200	30,0	57,3		8 400		114,0

MLC650 VPC-MAX S-1

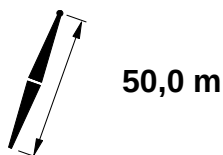
ASME B30.5

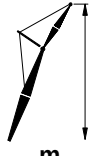
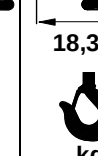
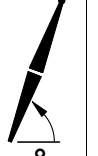
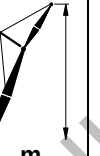


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
16,8	81,8	69,5	37 300b	37 300b	37 300b					16,8
18,0	80,7	69,2	36 500b	36 500b	36 500b					18,0
20,0	79,0	68,6	35 300	35 300	35 300	82,1	67,9	30 600b	30 600b	20,0
22,0	77,2	68,0	34 200	34 200	34 200	80,3	67,3	28 900b	28 900b	22,0
24,0	75,5	67,4	33 100	33 100	33 100	78,5	66,6	27 300	27 300	24,0
26,0	73,7	66,6	32 200	32 200	32 200	76,7	65,8	25 900	25 900	26,0
28,0	71,9	65,8	31 200	31 200	31 200	74,8	65,0	24 700	24 700	28,0
30,0	70,0	64,9	30 400	30 400	30 400	73,0	64,1	23 600	23 600	30,0
32,0	68,2	64,0	29 200	29 200	29 200	71,1	63,2	22 500	22 500	32,0
34,0	66,3	62,9	27 700	27 700	27 700	69,2	62,1	21 600	21 600	34,0
36,0	64,3	61,8	26 400	26 400	26 400	67,2	61,0	20 700	20 700	36,0
38,0	62,4	60,6	25 200	25 200	25 200	65,2	59,7	19 900	19 900	38,0
40,0	60,3	59,3	24 100	24 100	24 100	63,1	58,4	19 200	19 200	40,0
42,0	58,3	57,8	23 000	23 000	23 000	61,0	56,9	18 500	18 500	42,0
44,0	56,1	56,3	22 100	22 100	22 100	58,9	55,4	17 900	17 900	44,0
46,0	54,0	54,6	21 200	21 200	21 200	56,7	53,7	17 300	17 300	46,0
48,0	51,7	52,8	20 400	20 400	20 400	54,3	51,8	16 800	16 800	48,0
50,0	49,3	50,9	19 700	19 700	19 700	51,9	49,9	16 300	16 300	50,0
52,0	46,9	48,8	19 000	19 000	19 000	49,4	47,7	15 800	15 800	52,0
54,0	44,3	46,5	18 400	18 400	18 400	46,8	45,3	15 400	15 400	54,0
56,0	41,6	43,9	17 800	17 800	17 800	44,0	42,7	15 000	15 000	56,0
58,0	38,7	41,1	17 200	17 200	17 200	41,0	39,8	14 600	14 600	58,0
60,0	35,5	38,0	16 700	16 700	16 700	37,7	36,5	14 300	14 300	60,0
62,0	32,1	34,4	16 300	16 300	16 300	34,1	32,7	14 000	14 000	62,0
64,0	28,1	30,1	15 900	15 900	15 900	29,9	28,2	13 800	13 800	64,0
66,0	23,5	24,9	15 500	15 500	15 500					66,0

MLC650 VPC-MAX S-1

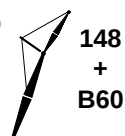
ASME B30.5



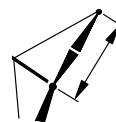
	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
16,8	82,5	75,6	37 700b	37 700b						16,8
18,0	81,5	75,3	36 900	36 900						18,0
20,0	79,9	74,8	35 900	35 900	82,7	74,0	31 300b	31 300b		20,0
22,0	78,3	74,3	34 800	34 800	81,1	73,5	29 600	29 600		22,0
24,0	76,7	73,6	33 800	33 800	79,5	72,8	28 100	28 100		24,0
26,0	75,1	73,0	32 900	32 900	77,8	72,2	26 800	26 800		26,0
28,0	73,4	72,2	32 000	32 000	76,2	71,4	25 600	25 600		28,0
30,0	71,8	71,4	31 100	31 100	74,5	70,6	24 500	24 500		30,0
32,0	70,1	70,6	30 300	30 300	72,8	69,7	23 400	23 400		32,0
34,0	68,4	69,6	29 400	29 400	71,0	68,8	22 500	22 500		34,0
36,0	66,6	68,6	28 000	28 000	69,3	67,8	21 600	21 600		36,0
38,0	64,9	67,5	26 700	26 700	67,5	66,6	20 800	20 800		38,0
40,0	63,1	66,4	25 600	25 600	65,7	65,5	20 100	20 100		40,0
42,0	61,2	65,1	24 500	24 500	63,8	64,2	19 400	19 400		42,0
44,0	59,4	63,7	23 600	23 600	61,9	62,8	18 800	18 800		44,0
46,0	57,4	62,3	22 700	22 700	60,0	61,3	18 200	18 200		46,0
48,0	55,5	60,7	21 800	21 800	58,0	59,7	17 600	17 600		48,0
50,0	53,5	59,1	21 100	21 100	55,9	58,0	17 100	17 100		50,0
52,0	51,4	57,3	20 300	20 300	53,8	56,2	16 600	16 600		52,0
54,0	49,2	55,3	19 700	19 700	51,6	54,2	16 200	16 200		54,0
56,0	47,0	53,2	19 000	19 000	49,3	52,1	15 800	15 800		56,0
58,0	44,7	51,0	18 500	18 500	46,9	49,8	15 400	15 400		58,0
60,0	42,2	48,5	17 900	17 900	44,4	47,2	15 000	15 000		60,0
62,0	39,6	45,8	17 400	17 400	41,7	44,5	14 700	14 700		62,0
64,0	36,8	42,8	17 000	17 000	38,8	41,4	14 400	14 400		64,0
66,0	33,8	39,5	16 500	16 500	35,7	37,9	14 100	14 100		66,0
68,0	30,5	35,7	16 100	16 100	32,2	33,9	13 900	13 900		68,0
70,0	26,7	31,2	15 700	15 700	28,2	29,1	13 700	13 700		70,0
72,0	22,2	25,8	15 400	15 400						72,0

MLC650 VPC-MAX S-1

ASME B30.5



56,0 m

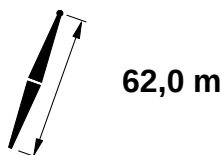
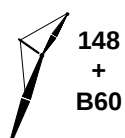


24,0 m

	10°					20°				
	m	°	m	kg	kg	m	kg	kg	m	
18,3	82,0	81,4	37 200	37 200					18,3	
20,0	80,7	81,0	36 300	36 300					20,0	
22,0	79,2	80,5	35 300	35 300	81,8	79,6	30 300	30 300	22,0	
24,0	77,7	79,9	34 400	34 400	80,3	79,1	28 800	28 800	24,0	
26,0	76,2	79,3	33 500	33 500	78,8	78,5	27 500	27 500	26,0	
28,0	74,7	78,6	32 600	32 600	77,3	77,8	26 300	26 300	28,0	
30,0	73,2	77,9	31 800	31 800	75,7	77,0	25 300	25 300	30,0	
32,0	71,7	77,1	31 100	31 100	74,2	76,2	24 200	24 200	32,0	
34,0	70,1	76,2	30 300	30 300	72,6	75,4	23 300	23 300	34,0	
36,0	68,5	75,3	29 400	29 400	71,0	74,4	22 500	22 500	36,0	
38,0	66,9	74,3	28 200	28 200	69,4	73,4	21 700	21 700	38,0	
40,0	65,3	73,3	27 000	27 000	67,7	72,4	20 900	20 900	40,0	
42,0	63,7	72,1	26 000	26 000	66,1	71,2	20 200	20 200	42,0	
44,0	62,0	70,9	25 000	25 000	64,4	70,0	19 600	19 600	44,0	
46,0	60,3	69,6	24 000	24 000	62,6	68,7	19 000	19 000	46,0	
48,0	58,5	68,2	23 200	23 200	60,9	67,3	18 500	18 500	48,0	
50,0	56,8	66,8	22 400	22 400	59,1	65,8	17 900	17 900	50,0	
52,0	54,9	65,2	21 600	21 600	57,2	64,2	17 400	17 400	52,0	
54,0	53,1	63,5	20 900	20 900	55,3	62,5	17 000	17 000	54,0	
56,0	51,1	61,7	20 300	20 300	53,3	60,6	16 500	16 500	56,0	
58,0	49,1	59,8	19 600	19 600	51,3	58,7	16 100	16 100	58,0	
60,0	47,1	57,7	19 100	19 100	49,2	56,6	15 800	15 800	60,0	
62,0	44,9	55,5	18 500	18 500	47,0	54,3	15 400	15 400	62,0	
64,0	42,7	53,1	18 000	18 000	44,7	51,8	15 100	15 100	64,0	
66,0	40,4	50,5	17 600	17 600	42,3	49,1	14 800	14 800	66,0	
68,0	37,9	47,6	17 100	17 100	39,7	46,2	14 500	14 500	68,0	
70,0	35,2	44,5	16 700	16 700	37,0	42,9	14 200	14 200	70,0	
72,0	32,3	41,0	15 700	16 300	34,0	39,3	14 000	14 000	72,0	
74,0	29,1	37,0	14 100	16 000	30,6	35,1	13 800	13 800	74,0	
76,0	25,5	32,4	12 600	15 600					76,0	

MLC650 VPC-MAX S-1

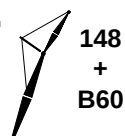
ASME B30.5



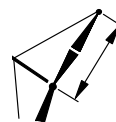
	10°					20°				
	 m	 °	 m	 kg	 kg	 °	 m	 kg	 kg	 m
18,3	82,5	87,5	37 500	37 500						18,3
20,0	81,4	87,1	36 600	36 600						20,0
22,0	80,0	86,6	35 700	35 700	82,4	85,8	30 900	30 900		22,0
24,0	78,6	86,1	34 800	34 800	81,0	85,3	29 500	29 500		24,0
26,0	77,2	85,6	33 900	33 900	79,6	84,7	28 200	28 200		26,0
28,0	75,8	84,9	33 100	33 100	78,2	84,1	27 100	27 100		28,0
30,0	74,4	84,3	32 400	32 400	76,8	83,4	26 000	26 000		30,0
32,0	73,0	83,5	31 600	31 600	75,3	82,7	25 000	25 000		32,0
34,0	71,6	82,8	30 900	30 900	73,9	81,9	24 100	24 100		34,0
36,0	70,1	81,9	30 300	30 300	72,4	81,0	23 200	23 200		36,0
38,0	68,7	81,0	29 600	29 600	71,0	80,1	22 400	22 400		38,0
40,0	67,2	80,0	28 400	28 400	69,5	79,1	21 700	21 700		40,0
42,0	65,7	79,0	27 300	27 300	67,9	78,1	21 000	21 000		42,0
44,0	64,2	77,9	26 300	26 300	66,4	76,9	20 400	20 400		44,0
46,0	62,6	76,7	25 300	25 300	64,8	75,8	19 800	19 800		46,0
48,0	61,1	75,5	24 400	24 400	63,2	74,5	19 200	19 200		48,0
50,0	59,5	74,2	23 600	23 600	61,6	73,2	18 700	18 700		50,0
52,0	57,8	72,7	22 800	22 800	60,0	71,7	18 200	18 200		52,0
54,0	56,2	71,3	22 100	22 100	58,3	70,2	17 700	17 700		54,0
56,0	54,5	69,7	21 400	21 400	56,6	68,6	17 300	17 300		56,0
58,0	52,7	68,0	20 800	20 800	54,8	66,9	16 900	16 900		58,0
60,0	50,9	66,2	20 200	20 200	53,0	65,1	16 500	16 500		60,0
62,0	49,1	64,3	19 600	19 600	51,1	63,1	16 100	16 100		62,0
64,0	47,2	62,2	19 100	19 100	49,1	61,0	15 700	15 700		64,0
66,0	45,2	60,0	18 600	18 600	47,1	58,8	15 400	15 400		66,0
68,0	43,1	57,7	17 400	18 100	45,0	56,4	15 100	15 100		68,0
70,0	41,0	55,1	15 600	17 700	42,8	53,8	14 800	14 800		70,0
72,0	38,7	52,4	14 000	17 300	40,5	51,0	14 400	14 600		72,0
74,0	36,3	49,4	12 400	16 900	38,0	47,9	13 200	14 300		74,0
76,0	33,8	46,1	10 900	16 500	35,3	44,5	11 500	14 100		76,0
78,0	31,0	42,5	9 400	16 100	32,4	40,6	10 000	13 900		78,0
80,0	27,9	38,3	8 000	15 800	29,2	36,2	8 500	13 800		80,0
82,0	24,4	33,5	6 700	15 500						82,0

MLC650 VPC-MAX S-1

ASME B30.5



68,0 m

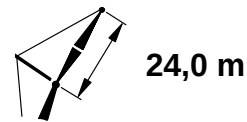
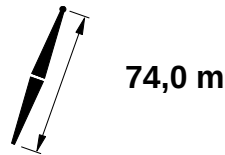


24,0 m

	10°				20°				
19,8	82,1	93,3	37 000	37 000					19,8
20,0	81,9	93,2	36 900	36 900					20,0
22,0	80,7	92,8	36 000	36 000					22,0
24,0	79,4	92,3	35 200	35 200	81,6	91,5	30 000	30 000	24,0
26,0	78,1	91,8	34 300	34 300	80,3	90,9	28 800	28 800	26,0
28,0	76,8	91,2	33 600	33 600	79,0	90,3	27 700	27 700	28,0
30,0	75,5	90,6	32 800	32 800	77,7	89,7	26 600	26 600	30,0
32,0	74,2	89,9	32 200	32 200	76,4	89,0	25 600	25 600	32,0
34,0	72,8	89,2	31 500	31 500	75,0	88,3	24 800	24 800	34,0
36,0	71,5	88,4	30 800	30 800	73,7	87,5	23 900	23 900	36,0
38,0	70,2	87,6	30 200	30 200	72,3	86,7	23 100	23 100	38,0
40,0	68,8	86,7	29 500	29 500	70,9	85,7	22 400	22 400	40,0
42,0	67,4	85,7	28 600	28 600	69,5	84,8	21 700	21 700	42,0
44,0	66,0	84,7	27 500	27 500	68,1	83,8	21 100	21 100	44,0
46,0	64,6	83,6	26 500	26 500	66,7	82,7	20 500	20 500	46,0
48,0	63,2	82,5	25 600	25 600	65,2	81,5	19 900	19 900	48,0
50,0	61,7	81,3	24 800	24 800	63,8	80,3	19 400	19 400	50,0
52,0	60,2	80,0	24 000	24 000	62,3	79,0	18 900	18 900	52,0
54,0	58,7	78,7	23 300	23 300	60,7	77,6	18 400	18 400	54,0
56,0	57,2	77,2	22 500	22 500	59,2	76,2	18 000	18 000	56,0
58,0	55,6	75,7	21 900	21 900	57,6	74,7	17 500	17 500	58,0
60,0	54,0	74,1	21 300	21 300	56,0	73,0	17 100	17 100	60,0
62,0	52,4	72,4	20 700	20 700	54,3	71,3	16 800	16 800	62,0
64,0	50,7	70,6	20 200	20 200	52,6	69,5	16 400	16 400	64,0
66,0	49,0	68,7	18 500	19 600	50,9	67,5	16 100	16 100	66,0
68,0	47,2	66,7	16 600	19 100	49,1	65,5	15 700	15 700	68,0
70,0	45,4	64,6	14 900	18 700	47,2	63,3	15 400	15 400	70,0
72,0	43,5	62,2	13 300	18 200	45,3	60,9	14 300	15 100	72,0
74,0	41,5	59,8	11 700	17 800	43,2	58,4	12 700	14 900	74,0
76,0	39,5	57,1	10 200	17 400	41,1	55,7	11 100	14 600	76,0
78,0	37,3	54,2	8 800	17 000	38,9	52,7	9 600	14 400	78,0
80,0	35,0	51,1	7 400	16 700	36,5	49,5	8 100	14 200	80,0
82,0	32,5	47,7	6 100	16 300	33,9	45,9	6 700	14 000	82,0
84,0	29,8	43,9	4 800	16 000	31,1	41,9	5 300	13 800	84,0
86,0	26,8	39,5	3 600	15 700					86,0
88,0	23,5	34,5		15 500					88,0

MLC650 VPC-MAX S-1

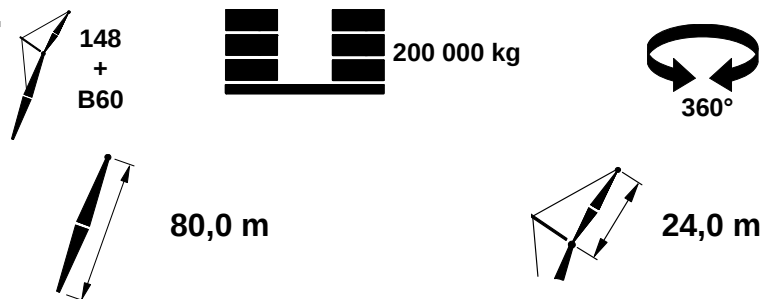
ASME B30.5

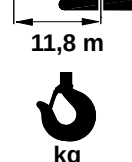
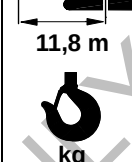
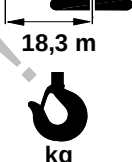


	10°					20°				
	m	°	m	kg	kg	°	m	kg	kg	m
19,8	82,6	99,4	37 200	37 200						19,8
20,0	82,4	99,3	37 100	37 100						20,0
22,0	81,2	98,9	36 300	36 300						22,0
24,0	80,0	98,5	35 500	35 500						24,0
26,0	78,8	98,0	34 700	34 700	82,2	97,6	30 500	30 500		26,0
28,0	77,6	97,5	34 000	34 000	80,9	97,1	29 300	29 300		28,0
30,0	76,4	96,9	33 300	33 300	79,7	96,6	28 300	28 300		30,0
32,0	75,2	96,2	32 600	32 600	78,5	96,0	27 200	27 200		32,0
34,0	73,9	95,6	31 900	31 900	77,2	95,3	26 300	26 300		34,0
36,0	72,7	94,8	31 300	31 300	76,0	94,7	25 400	25 400		36,0
38,0	71,4	94,1	30 700	30 700	74,7	93,9	24 600	24 600		38,0
40,0	70,2	93,2	30 200	30 200	73,5	93,1	23 800	23 800		40,0
42,0	68,9	92,4	29 600	29 600	72,2	92,3	23 100	23 100		42,0
44,0	67,6	91,4	28 800	28 800	70,9	91,4	22 400	22 400		44,0
46,0	66,3	90,4	27 700	27 700	69,6	90,5	21 800	21 800		46,0
48,0	65,0	89,4	26 800	26 800	68,3	89,5	21 200	21 200		48,0
50,0	63,7	88,3	25 900	25 900	66,9	88,4	20 600	20 600		50,0
52,0	62,3	87,1	25 100	25 100	65,6	87,3	20 100	20 100		52,0
54,0	60,9	85,9	24 400	24 400	64,2	86,1	19 500	19 500		54,0
56,0	59,5	84,6	23 700	23 700	62,8	84,8	19 100	19 100		56,0
58,0	58,1	83,2	23 000	23 000	61,4	83,5	18 600	18 600		58,0
60,0	56,7	81,7	22 200	22 300	60,0	82,1	18 200	18 200		60,0
62,0	55,2	80,2	20 600	21 700	58,5	80,7	17 800	17 800		62,0
64,0	53,7	78,6	18 500	21 100	57,0	79,1	17 400	17 400		64,0
66,0	52,2	76,9	16 600	20 600	55,5	77,5	17 000	17 000		66,0
68,0	50,6	75,1	14 700	20 100	53,9	75,8	16 700	16 700		68,0
70,0	49,0	73,2	13 000	19 600	52,3	73,9	15 900	16 300		70,0
72,0	47,3	71,2	11 400	19 200	50,7	72,0	14 300	16 000		72,0
74,0	45,6	69,1	9 800	18 700	49,0	69,9	12 600	15 700		74,0
76,0	43,8	66,8	8 300	18 300	47,3	67,8	10 900	15 500		76,0
78,0	42,0	64,4	6 900	17 900	45,5	65,5	9 400	15 200		78,0
80,0	40,1	61,8	5 500	17 500	43,6	63,0	7 900	14 900		80,0
82,0	38,1	59,0	4 200	17 100	41,6	60,3	6 400	14 700		82,0
84,0	36,0	56,0		16 800	39,6	57,5	5 000	14 500		84,0
86,0	33,8	52,8		16 500	37,4	54,4		14 300		86,0
88,0	31,4	49,2		16 200	35,1	51,0		14 100		88,0
90,0	28,8	45,2		15 900	32,6	47,3		13 900		90,0
94,0	22,6	35,5		15 400	29,9	43,2		13 800		94,0

MLC650 VPC-MAX S-1

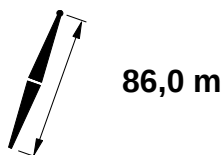
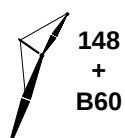
ASME B30.5

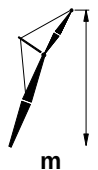
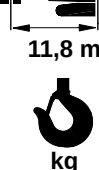
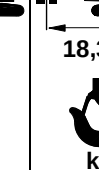
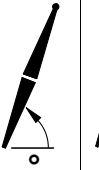
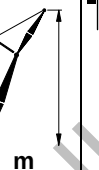
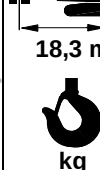


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
19,8	83,0	105,5	37 300	37 300					19,8
20,0	82,9	105,4	37 200	37 200					20,0
22,0	81,8	105,1	36 400	36 400					22,0
24,0	80,6	104,6	35 700	35 700					24,0
26,0	79,5	104,2	35 000	35 000					26,0
28,0	78,4	103,7	34 300	34 300	81,5	103,3	29 800	29 800	28,0
30,0	77,2	103,1	33 600	33 600	79,2	102,2	27 800	27 800	30,0
32,0	76,1	102,5	33 000	33 000	78,0	101,6	26 800	26 800	32,0
34,0	74,9	101,9	32 300	32 300	76,9	101,0	26 000	26 000	34,0
36,0	73,7	101,2	31 700	31 700	75,7	100,3	25 200	25 200	36,0
38,0	72,6	100,5	31 200	31 200	74,5	99,6	24 400	24 400	38,0
40,0	71,4	99,7	30 600	30 600	73,3	98,8	23 700	23 700	40,0
42,0	70,2	98,9	30 100	30 100	72,1	97,9	23 000	23 000	42,0
44,0	69,0	98,0	29 600	29 600	70,9	97,1	22 400	22 400	44,0
46,0	67,8	97,1	28 800	28 800	69,7	96,1	21 800	21 800	46,0
48,0	66,6	96,1	27 900	27 900	68,4	95,2	21 200	21 200	48,0
50,0	65,3	95,1	27 000	27 000	67,2	94,1	20 700	20 700	50,0
52,0	64,1	94,0	26 200	26 200	65,9	93,0	20 200	20 200	52,0
54,0	62,8	92,9	25 400	25 400	64,6	91,9	19 700	19 700	54,0
56,0	61,5	91,7	24 700	24 700	63,3	90,7	19 200	19 200	56,0
58,0	60,2	90,4	23 900	24 000	62,0	89,4	18 800	18 800	58,0
60,0	58,9	89,1	21 500	23 300	60,7	88,0	18 400	18 400	60,0
62,0	57,5	87,7	19 300	22 700	59,3	86,6	18 000	18 000	62,0
64,0	56,2	86,2	17 200	22 100	57,9	85,1	17 600	17 600	64,0
66,0	54,8	84,7	15 300	21 600	56,5	83,6	16 900	17 300	66,0
68,0	53,4	83,1	13 500	21 000	55,1	81,9	15 000	16 900	68,0
70,0	51,9	81,4	11 700	20 600	53,6	80,2	13 200	16 600	70,0
72,0	50,4	79,6	10 100	20 100	52,1	78,4	11 500	16 300	72,0
74,0	48,9	77,7	8 500	19 600	50,5	76,4	9 800	16 000	74,0
76,0	47,4	75,7	7 000	19 200	49,0	74,4	8 200	15 700	76,0
78,0	45,8	73,6	5 600	18 800	47,3	72,3	6 800	15 500	78,0
80,0	44,1	71,3	4 300	18 400	45,6	70,0	5 300	15 200	80,0
82,0	42,4	69,0		18 000	43,9	67,6	4 000	15 000	82,0
84,0	40,6	66,4		17 600	42,1	65,0		14 800	84,0
86,0	38,8	63,8		17 300	40,2	62,2		14 500	86,0
88,0	36,8	60,9		17 000	38,2	59,3		14 400	88,0
90,0	34,8	57,8		16 600	36,1	56,1		14 200	90,0
94,0	30,3	50,7		16 100	31,5	48,7		13 900	94,0
98,0	25,0	41,9		15 600					98,0

MLC650 VPC-MAX S-1

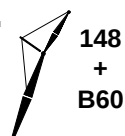
ASME B30.5



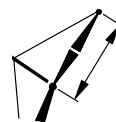
	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
21,3	82,6	111,3	36 800	36 800						21,3
22,0	82,2	111,2	36 600	36 600						22,0
24,0	81,2	110,8	35 900	35 900						24,0
26,0	80,1	110,3	35 200	35 200						26,0
28,0	79,0	109,9	34 500	34 500	82,0	109,4	30 300	30 300		28,0
30,0	77,9	109,3	33 900	33 900	80,9	108,9	29 300	29 300		30,0
32,0	76,9	108,8	33 300	33 300	79,8	108,4	28 300	28 300		32,0
34,0	75,8	108,2	32 700	32 700	78,7	107,9	27 400	27 400		34,0
36,0	74,7	107,6	32 100	32 100	77,6	107,3	26 500	26 500		36,0
38,0	73,6	106,9	31 600	31 600	76,5	106,6	25 700	25 700		38,0
					75,4	105,9	25 000	25 000		
40,0	72,5	106,1	31 000	31 000	74,3	105,2	24 300	24 300		40,0
42,0	71,3	105,4	30 500	30 500	73,1	104,4	23 600	23 600		42,0
44,0	70,2	104,6	30 000	30 000	72,0	103,6	23 000	23 000		44,0
46,0	69,1	103,7	29 500	29 500	70,9	102,7	22 400	22 400		46,0
48,0	67,9	102,8	28 900	28 900	69,7	101,8	21 800	21 800		48,0
50,0	66,8	101,8	28 100	28 100	68,5	100,8	21 300	21 300		50,0
52,0	65,6	100,8	27 300	27 300	67,4	99,8	20 800	20 800		52,0
54,0	64,4	99,8	26 500	26 500	66,2	98,8	20 300	20 300		54,0
56,0	63,3	98,7	25 700	25 700	65,0	97,6	19 800	19 800		56,0
58,0	62,0	97,5	25 000	25 000	63,7	96,4	19 400	19 400		58,0
60,0	60,8	96,3	23 900	24 300	62,5	95,2	19 000	19 000		60,0
62,0	59,6	95,0	21 600	23 700	61,3	93,9	18 600	18 600		62,0
64,0	58,3	93,6	19 300	23 100	60,0	92,5	18 200	18 200		64,0
66,0	57,1	92,2	17 300	22 500	58,7	91,1	17 900	17 900		66,0
68,0	55,8	90,7	15 300	22 000	57,4	89,6	16 900	17 500		68,0
70,0	54,4	89,2	13 400	21 500	56,0	88,0	15 000	17 200		70,0
72,0	53,1	87,5	11 700	21 000	54,7	86,4	13 200	16 800		72,0
74,0	51,7	85,8	10 000	20 500	53,3	84,6	11 500	16 500		74,0
76,0	50,3	84,0	8 400	20 000	51,9	82,8	9 800	16 300		76,0
78,0	48,9	82,2	6 900	19 600	50,4	80,9	8 200	16 000		78,0
80,0	47,4	80,2	5 500	19 200	48,9	78,9	6 700	15 700		80,0
82,0	45,9	78,1	4 100	18 800	47,4	76,8	5 300	15 500		82,0
84,0	44,4	75,9		18 400	45,8	74,5	3 900	15 200		84,0
86,0	42,8	73,5		18 100	44,2	72,1		15 000		86,0
88,0	41,1	71,1		17 700	42,5	69,6		14 800		88,0
90,0	39,4	68,4		17 400	40,7	66,9		14 600		90,0
94,0	35,7	62,6		16 800	37,0	61,0		14 300		94,0
98,0	31,6	55,9		16 300	32,7	54,0		14 000		98,0
102,0	26,9	47,8		15 700	27,8	45,6		13 700		102,0
106,0	21,1	37,5		15 300						106,0

MLC650 VPC-MAX S-1

ASME B30.5



92,0 m

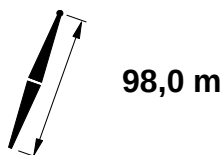
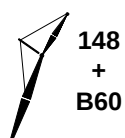


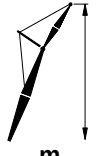
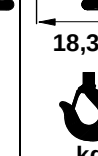
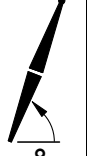
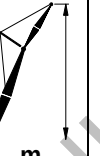
24,0 m

	10°				20°				
m	°	m	kg	kg	°	m	kg	kg	m
21,3	83,0	117,4	36 900	36 900					21,3
22,0	82,6	117,2	36 600	36 600					22,0
24,0	81,6	116,9	36 000	36 000					24,0
26,0	80,6	116,4	35 300	35 300					26,0
28,0	79,6	116,0	34 700	34 700					28,0
30,0	78,6	115,5	34 100	34 100					30,0
32,0	77,6	115,0	33 500	33 500					32,0
34,0	76,5	114,4	32 900	32 900					34,0
36,0	75,5	113,8	32 400	32 400					36,0
38,0	74,5	113,2	31 900	31 900					38,0
40,0	73,4	112,5	31 400	31 400					40,0
42,0	72,4	111,8	30 900	30 900					42,0
44,0	71,3	111,0	30 400	30 400					44,0
46,0	70,2	110,2	29 900	29 900					46,0
48,0	69,2	109,3	29 500	29 500					48,0
50,0	68,1	108,4	29 000	29 000					50,0
52,0	67,0	107,5	28 300	28 300					52,0
54,0	65,9	106,5	27 500	27 500					54,0
56,0	64,8	105,5	26 700	26 700					56,0
58,0	63,6	104,4	25 200	26 000					58,0
60,0	62,5	103,2	22 600	25 300					60,0
62,0	61,4	102,0	20 200	24 700					62,0
64,0	60,2	100,8	18 000	24 000					64,0
66,0	59,0	99,5	15 900	23 500					66,0
68,0	57,8	98,1	14 000	22 900					68,0
70,0	56,6	96,7	12 100	22 400					70,0
72,0	55,4	95,2	10 300	21 800					72,0
74,0	54,1	93,6	8 700	21 400					74,0
76,0	52,8	92,0	7 100	20 900					76,0
78,0	51,5	90,3	5 600	20 400					78,0
80,0	50,2	88,5	4 200	20 000					80,0
82,0	48,8	86,6		19 600					82,0
84,0	47,4	84,6		19 300					84,0
86,0	46,0	82,5		18 900					86,0
88,0	44,6	80,4		18 500					88,0
90,0	43,1	78,1		18 200					90,0
94,0	39,9	73,1		17 500					94,0
98,0	36,5	67,4		16 900					98,0
102,0	32,7	61,0		16 400					102,0
106,0	28,5	53,4		14 600					106,0
110,0	23,5	44,1		12 600					110,0

MLC650 VPC-MAX S-1

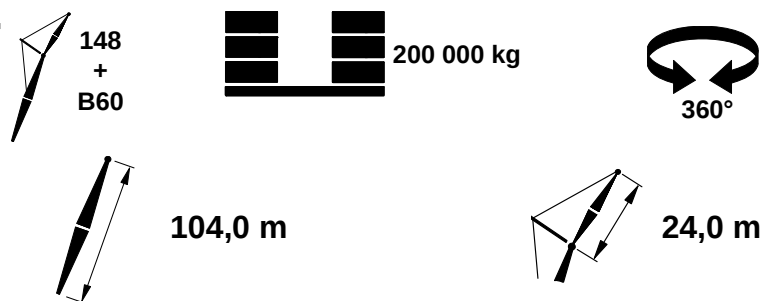
ASME B30.5

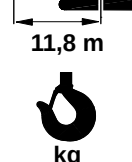
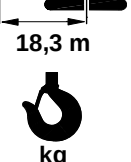
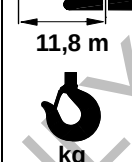
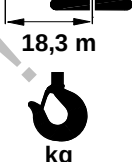


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
22,9	82,6	123,2	36 400	36 400						22,9
24,0	82,0	123,0	36 000	36 000						24,0
26,0	81,1	122,6	35 400	35 400	82,8	121,6	31 000	31 000		26,0
28,0	80,1	122,2	34 800	34 800	81,8	121,2	30 100	30 100		28,0
30,0	79,2	121,7	34 300	34 300	80,8	120,7	29 200	29 200		30,0
32,0	78,2	121,2	33 700	33 700	79,9	120,2	28 300	28 300		32,0
34,0	77,2	120,7	33 200	33 200	78,9	119,7	27 500	27 500		34,0
36,0	76,2	120,1	32 700	32 700	77,9	119,1	26 800	26 800		36,0
38,0	75,2	119,5	32 200	32 200	76,9	118,5	26 000	26 000		38,0
40,0	74,3	118,8	31 700	31 700	75,9	117,9	25 300	25 300		40,0
42,0	73,3	118,1	31 200	31 200	74,9	117,2	24 700	24 700		42,0
44,0	72,3	117,4	30 700	30 700	73,9	116,4	24 100	24 100		44,0
46,0	71,3	116,7	30 300	30 300	72,9	115,7	23 500	23 500		46,0
48,0	70,3	115,9	29 800	29 800	71,9	114,9	22 900	22 900		48,0
50,0	69,2	115,0	29 400	29 400	70,8	114,0	22 400	22 400		50,0
52,0	68,2	114,1	29 000	29 000	69,8	113,1	21 900	21 900		52,0
54,0	67,2	113,2	28 100	28 400	68,7	112,2	21 400	21 400		54,0
56,0	66,1	112,2	25 800	27 700	67,7	111,2	21 000	21 000		56,0
58,0	65,1	111,2	23 000	26 900	66,6	110,2	20 500	20 500		58,0
60,0	64,0	110,1	20 500	26 200	65,5	109,1	20 100	20 100		60,0
62,0	62,9	109,0	18 100	25 600	64,5	107,9	19 700	19 700		62,0
64,0	61,8	107,8	15 900	25 000	63,4	106,8	18 100	19 300		64,0
66,0	60,7	106,6	13 800	24 400	62,2	105,5	15 900	18 900		66,0
68,0	59,6	105,3	11 800	23 800	61,1	104,2	13 800	18 600		68,0
70,0	58,5	104,0	9 900	23 200	60,0	102,9	11 800	18 200		70,0
72,0	57,3	102,6	8 100	22 700	58,8	101,5	10 000	17 900		72,0
74,0	56,2	101,2	6 500	22 200	57,6	100,0	8 200	17 600		74,0
76,0	55,0	99,7	4 900	21 700	56,5	98,5	6 500	17 300		76,0
78,0	53,8	98,1		21 300	55,2	96,9	4 900	17 000		78,0
80,0	52,6	96,5		20 900	54,0	95,2		16 800		80,0
82,0	51,4	94,7		20 400	52,8	93,5		16 500		82,0
84,0	50,1	92,9		20 000	51,5	91,7		16 200		84,0
86,0	48,8	91,1		19 600	50,2	89,8		16 000		86,0
88,0	47,5	89,1		19 300	48,8	87,8		15 800		88,0
90,0	46,1	87,0		18 900	47,5	85,7		15 500		90,0
94,0	43,3	82,6		18 300	44,6	81,2		15 100		94,0
98,0	40,4	77,7		17 400	41,6	76,2		14 700		98,0
102,0	37,2	72,2		15 100	38,3	70,6		14 400		102,0
106,0	33,7	66,0		13 000	34,8	64,2		13 400		106,0
110,0	29,8	58,8		10 900	30,8	56,8		11 300		110,0
114,0	25,4	50,2		9 000						114,0
118,0	19,9	39,2		7 200						118,0

MLC650 VPC-MAX S-1

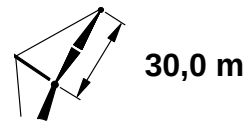
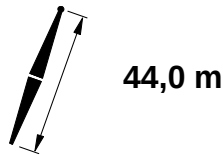
ASME B30.5

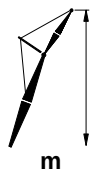
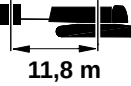
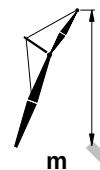
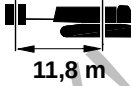
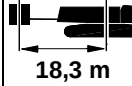
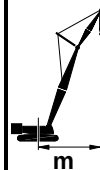


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
22,9	82,9	129,3	36 400	36 400						22,9
24,0	82,4	129,1	36 000	36 000						24,0
26,0	81,5	128,7	35 500	35 500						26,0
28,0	80,6	128,3	34 900	34 900						28,0
30,0	79,7	127,8	34 400	34 400						30,0
32,0	78,7	127,4	33 900	33 900						32,0
34,0	77,8	126,9	33 300	33 300						34,0
36,0	76,9	126,3	32 800	32 800						36,0
38,0	76,0	125,7	32 400	32 400						38,0
40,0	75,0	125,1	31 900	31 900						40,0
42,0	74,1	124,5	31 400	31 400						42,0
44,0	73,1	123,8	31 000	31 000						44,0
46,0	72,2	123,1	30 500	30 500						46,0
48,0	71,2	122,3	30 100	30 100						48,0
50,0	70,3	121,5	29 700	29 700						50,0
52,0	69,3	120,7	29 300	29 300						52,0
54,0	68,3	119,8	28 900	28 900						54,0
56,0	67,3	118,9	28 600	28 600						56,0
58,0	66,3	117,9	26 300	27 900						58,0
60,0	65,3	116,9	23 600	27 200						60,0
62,0	64,3	115,9	21 000	26 500						62,0
64,0	63,3	114,8	18 600	25 900						64,0
66,0	62,3	113,6	16 400	25 200						66,0
68,0	61,2	112,4	14 300	24 700						68,0
70,0	60,2	111,2	12 300	24 100						70,0
72,0	59,1	109,9	10 500	23 600						72,0
74,0	58,0	108,6	8 700	23 100						74,0
76,0	56,9	107,1	7 000	22 600						76,0
78,0	55,8	105,7	5 400	22 100						78,0
80,0	54,7	104,2	3 900	21 700						80,0
82,0	53,6	102,6		21 200						82,0
84,0	52,4	100,9		20 800						84,0
86,0	51,2	99,2		20 400						86,0
88,0	50,0	97,4		20 000						88,0
90,0	48,8	95,5		19 700						90,0
94,0	46,2	91,5		18 700						94,0
98,0	43,6	87,2		16 300						98,0
102,0	40,8	82,3		14 000						102,0
106,0	37,8	77,0		11 900						106,0
110,0	34,6	71,0		9 900						110,0
114,0	31,0	64,1		8 000						114,0
118,0	27,0	56,1		6 200						118,0
122,0	22,2	46,2		4 100						122,0

MLC650 VPC-MAX S-1

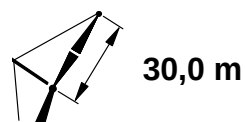
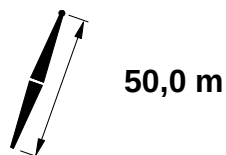
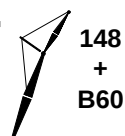
ASME B30.5

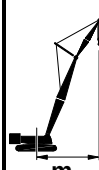
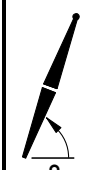
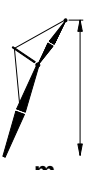
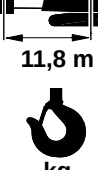
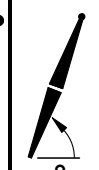
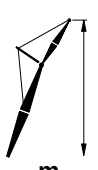
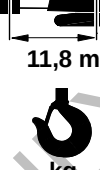
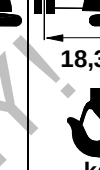
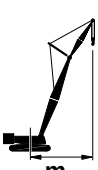


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
16,8	82,9	75,6	30 000b	30 000b						16,8
18,0	81,9	75,4	29 400b	29 400b						18,0
20,0	80,3	74,9	28 500b	28 500b						20,0
22,0	78,7	74,4	27 500	27 500						22,0
24,0	77,1	73,7	26 700	26 700	82,2	73,6	24 200b	24 200b		24,0
26,0	75,4	73,1	25 700	25 700	80,6	73,0	23 400	23 400		26,0
28,0	73,8	72,3	24 800	24 800	79,0	72,3	22 700	22 700		28,0
30,0	72,1	71,6	23 900	23 900	77,3	71,5	21 600	21 600		30,0
32,0	70,4	70,7	23 100	23 100	75,6	70,7	20 500	20 500		32,0
34,0	68,7	69,7	22 300	22 300	73,9	69,9	19 500	19 500		34,0
36,0	67,0	68,7	21 600	21 600	72,2	68,9	18 600	18 600		36,0
38,0	65,2	67,6	20 900	20 900	70,4	67,9	17 800	17 800		38,0
40,0	63,4	66,5	20 300	20 300	68,6	66,8	17 000	17 000		40,0
42,0	61,6	65,2	19 600	19 600	66,8	65,6	16 300	16 300		42,0
44,0	59,8	63,9	19 000	19 000	65,0	64,3	15 700	15 700		44,0
46,0	57,8	62,4	18 200	18 200	63,1	62,9	15 100	15 100		46,0
48,0	55,9	60,9	17 500	17 500	61,1	61,5	14 500	14 500		48,0
50,0	53,9	59,2	16 800	16 800	59,1	59,9	14 000	14 000		50,0
52,0	51,8	57,4	16 200	16 200	57,1	58,2	13 600	13 600		52,0
54,0	49,6	55,5	15 500	15 500	55,0	56,4	13 100	13 100		54,0
56,0	47,4	53,4	15 000	15 000	52,8	54,4	12 700	12 700		56,0
58,0	45,1	51,1	14 500	14 500	50,5	52,3	12 300	12 300		58,0
60,0	42,6	48,7	14 000	14 000	48,1	49,9	11 900	11 900		60,0
62,0	40,0	46,0	13 500	13 500	45,6	47,4	11 600	11 600		62,0
64,0	37,3	43,0	13 100	13 100	42,9	44,7	11 300	11 300		64,0
66,0	34,3	39,7	12 700	12 700	40,1	41,6	11 000	11 000		66,0
68,0	31,0	35,9	12 300	12 300	36,9	38,1	10 800	10 800		68,0
70,0	27,2	31,5	12 000	12 000	33,5	34,2	10 500	10 500		70,0
72,0	22,8	26,1	11 700	11 700	29,5	29,5	10 300	10 300		72,0

MLC650 VPC-MAX S-1

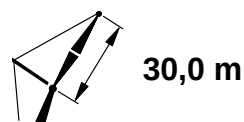
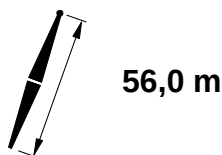
ASME B30.5

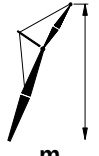
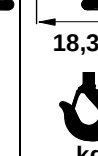
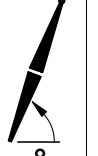
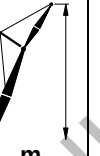


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
18,3	82,3	81,4	29 600	29 600					18,3
20,0	81,0	81,0	28 800	28 800					20,0
22,0	79,5	80,5	28 000	28 000					22,0
24,0	78,1	80,0	27 100	27 100	81,3	79,1	23 700	23 700	24,0
26,0	76,6	79,4	26 300	26 300	79,8	78,5	23 000	23 000	26,0
28,0	75,1	78,7	25 500	25 500	78,3	77,8	22 200	22 200	28,0
30,0	73,5	78,0	24 600	24 600	76,8	77,1	21 200	21 200	30,0
32,0	72,0	77,2	23 800	23 800	75,2	76,3	20 200	20 200	32,0
34,0	70,4	76,3	23 100	23 100	73,6	75,4	19 300	19 300	34,0
36,0	68,9	75,4	22 400	22 400	72,0	74,5	18 500	18 500	36,0
38,0	67,3	74,4	21 700	21 700	70,4	73,5	17 800	17 800	38,0
40,0	65,6	73,3	21 000	21 000	68,8	72,4	17 100	17 100	40,0
42,0	64,0	72,2	20 400	20 400	67,1	71,3	16 400	16 400	42,0
44,0	62,3	71,0	19 800	19 800	65,4	70,1	15 800	15 800	44,0
46,0	60,6	69,7	19 300	19 300	63,7	68,7	15 300	15 300	46,0
48,0	58,9	68,3	18 700	18 700	61,9	67,3	14 800	14 800	48,0
50,0	57,1	66,9	18 000	18 000	60,1	65,8	14 300	14 300	50,0
52,0	55,3	65,3	17 300	17 300	58,3	64,2	13 800	13 800	52,0
54,0	53,4	63,6	16 700	16 700	56,4	62,5	13 400	13 400	54,0
56,0	51,5	61,8	16 100	16 100	54,4	60,7	13 000	13 000	56,0
58,0	49,5	59,9	15 500	15 500	52,4	58,8	12 600	12 600	58,0
60,0	47,5	57,8	15 000	15 000	50,3	56,6	12 300	12 300	60,0
62,0	45,3	55,6	14 500	14 500	48,1	54,4	11 900	11 900	62,0
64,0	43,1	53,2	14 100	14 100	45,8	51,9	11 700	11 700	64,0
66,0	40,7	50,6	13 600	13 600	43,4	49,2	11 400	11 400	66,0
68,0	38,3	47,8	13 200	13 200	40,8	46,3	11 100	11 100	68,0
70,0	35,6	44,6	12 900	12 900	38,1	43,1	10 800	10 800	70,0
72,0	32,7	41,1	12 500	12 500	35,1	39,4	10 600	10 600	72,0
74,0	29,5	37,2	12 200	12 200	31,7	35,2	10 400	10 400	74,0
76,0	25,9	32,5	11 900	11 900	27,9	30,3	10 300	10 300	76,0
78,0	21,6	26,9	11 600	11 600					78,0

MLC650 VPC-MAX S-1

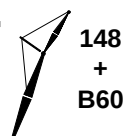
ASME B30.5



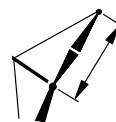
	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
18,3	82,8	87,5	29 800	29 800						18,3
20,0	81,7	87,2	29 100	29 100						20,0
22,0	80,3	86,7	28 400	28 400						22,0
24,0	78,9	86,2	27 600	27 600						24,0
26,0	77,5	85,6	26 800	26 800						26,0
28,0	76,1	85,0	26 000	26 000						28,0
30,0	74,7	84,3	25 200	25 200						30,0
32,0	73,3	83,6	24 500	24 500						32,0
34,0	71,9	82,8	23 700	23 700						34,0
36,0	70,4	82,0	23 000	23 000						36,0
38,0	69,0	81,1	22 400	22 400						38,0
40,0	67,5	80,1	21 800	21 800						40,0
42,0	66,0	79,1	21 200	21 200						42,0
44,0	64,5	78,0	20 600	20 600						44,0
46,0	62,9	76,8	20 100	20 100						46,0
48,0	61,4	75,6	19 500	19 500						48,0
50,0	59,8	74,2	19 000	19 000						50,0
52,0	58,2	72,8	18 400	18 400						52,0
54,0	56,5	71,3	17 700	17 700						54,0
56,0	54,8	69,7	17 100	17 100						56,0
58,0	53,1	68,1	16 500	16 500						58,0
60,0	51,3	66,3	16 000	16 000						60,0
62,0	49,4	64,4	15 500	15 500						62,0
64,0	47,5	62,3	15 000	15 000						64,0
66,0	45,5	60,1	14 600	14 600						66,0
68,0	43,5	57,8	14 100	14 100						68,0
70,0	41,3	55,3	13 800	13 800						70,0
72,0	39,1	52,5	13 400	13 400						72,0
74,0	36,7	49,5	13 000	13 000						74,0
76,0	34,1	46,3	12 700	12 700						76,0
78,0	31,4	42,6	12 400	12 400						78,0
80,0	28,3	38,5	11 900	12 100						80,0
82,0	24,8	33,6	10 800	11 800						82,0
84,0	20,7	27,7	9 400	11 600						84,0

MLC650 VPC-MAX S-1

ASME B30.5



62,0 m

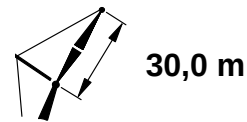
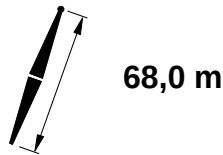


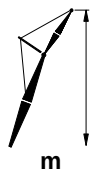
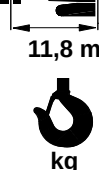
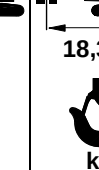
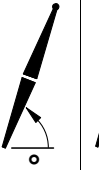
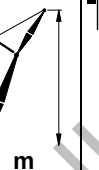
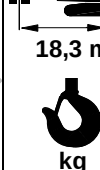
30,0 m

	10°				20°				
									
	m	°	m	kg	kg	m	kg	kg	m
19,8	82,3	93,3	29 400	29 400					19,8
20,0	82,2	93,3	29 400	29 400					20,0
22,0	80,9	92,9	28 600	28 600					22,0
24,0	79,7	92,4	27 900	27 900					24,0
26,0	78,4	91,9	27 200	27 200					26,0
28,0	77,1	91,3	26 500	26 500	81,2	91,0	23 600	23 600	28,0
30,0	75,8	90,7	25 800	25 800	78,6	89,7	22 300	22 300	30,0
32,0	74,5	90,0	25 000	25 000	77,3	89,1	21 500	21 500	32,0
34,0	73,1	89,3	24 300	24 300	75,9	88,3	20 600	20 600	34,0
36,0	71,8	88,5	23 700	23 700	74,6	87,5	19 800	19 800	36,0
38,0	70,5	87,6	23 000	23 000	73,2	86,7	19 100	19 100	38,0
40,0	69,1	86,7	22 400	22 400	71,8	85,8	18 400	18 400	40,0
42,0	67,7	85,8	21 800	21 800	70,4	84,8	17 800	17 800	42,0
44,0	66,3	84,8	21 300	21 300	69,0	83,8	17 200	17 200	44,0
46,0	64,9	83,7	20 700	20 700	67,6	82,7	16 600	16 600	46,0
48,0	63,5	82,6	20 200	20 200	66,1	81,6	16 100	16 100	48,0
50,0	62,0	81,4	19 700	19 700	64,7	80,4	15 600	15 600	50,0
52,0	60,5	80,1	19 200	19 200	63,2	79,1	15 100	15 100	52,0
54,0	59,0	78,8	18 700	18 700	61,7	77,7	14 700	14 700	54,0
56,0	57,5	77,3	18 100	18 100	60,1	76,2	14 300	14 300	56,0
58,0	56,0	75,8	17 500	17 500	58,5	74,7	13 900	13 900	58,0
60,0	54,4	74,2	17 000	17 000	56,9	73,1	13 500	13 500	60,0
62,0	52,7	72,5	16 400	16 400	55,2	71,4	13 200	13 200	62,0
64,0	51,1	70,7	15 900	15 900	53,5	69,5	12 800	12 800	64,0
66,0	49,3	68,8	15 500	15 500	51,8	67,6	12 500	12 500	66,0
68,0	47,6	66,8	15 000	15 000	50,0	65,5	12 200	12 200	68,0
70,0	45,7	64,6	14 600	14 600	48,1	63,3	11 900	11 900	70,0
72,0	43,8	62,3	14 200	14 200	46,2	61,0	11 700	11 700	72,0
74,0	41,9	59,9	13 900	13 900	44,2	58,5	11 400	11 400	74,0
76,0	39,8	57,2	13 000	13 500	42,0	55,7	11 200	11 200	76,0
78,0	37,6	54,4	11 700	13 200	39,8	52,8	11 000	11 000	78,0
80,0	35,3	51,2	10 300	12 800	37,4	49,6	10 800	10 800	80,0
82,0	32,8	47,8	9 000	12 500	34,8	46,0	9 800	10 600	82,0
84,0	30,2	44,0	7 800	12 300	32,0	42,0	8 400	10 400	84,0
86,0	27,2	39,7	6 500	12 000	28,9	37,5	7 100	10 300	86,0
88,0	23,9	34,7	5 400	11 800					88,0

MLC650 VPC-MAX S-1

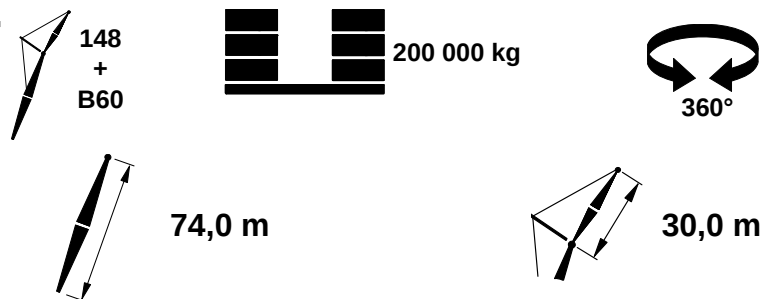
ASME B30.5

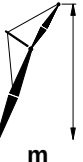
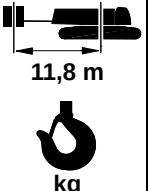
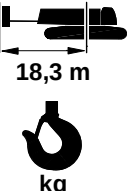
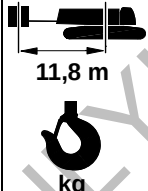
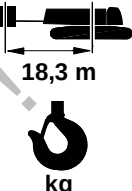


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
19,8	82,8	99,5	29 600	29 600						19,8
20,0	82,7	99,4	29 500	29 500						20,0
22,0	81,5	99,0	28 800	28 800						22,0
24,0	80,3	98,6	28 100	28 100						24,0
26,0	79,1	98,1	27 500	27 500						26,0
28,0	77,9	97,5	26 800	26 800	81,8	97,1	23 800	23 800		28,0
30,0	76,7	96,9	26 200	26 200	79,3	96,0	22 700	22 700		30,0
32,0	75,5	96,3	25 500	25 500	78,1	95,4	22 000	22 000		32,0
34,0	74,2	95,6	24 800	24 800	76,8	94,7	21 200	21 200		34,0
36,0	73,0	94,9	24 200	24 200	75,6	93,9	20 400	20 400		36,0
38,0	71,7	94,1	23 600	23 600	74,3	93,2	19 700	19 700		38,0
40,0	70,5	93,3	23 000	23 000	73,0	92,3	19 000	19 000		40,0
42,0	69,2	92,4	22 400	22 400	71,7	91,4	18 400	18 400		42,0
44,0	67,9	91,5	21 800	21 800	70,4	90,5	17 800	17 800		44,0
46,0	66,6	90,5	21 300	21 300	69,1	89,5	17 200	17 200		46,0
48,0	65,3	89,5	20 800	20 800	67,8	88,4	16 700	16 700		48,0
50,0	63,9	88,3	20 400	20 400	66,4	87,3	16 200	16 200		50,0
52,0	62,6	87,2	19 900	19 900	65,1	86,1	15 700	15 700		52,0
54,0	61,2	85,9	19 400	19 400	63,7	84,9	15 300	15 300		54,0
56,0	59,8	84,6	19 000	19 000	62,3	83,6	14 800	14 800		56,0
58,0	58,4	83,3	18 400	18 400	60,8	82,2	14 500	14 500		58,0
60,0	56,9	81,8	17 900	17 900	59,4	80,7	14 100	14 100		60,0
62,0	55,5	80,3	17 300	17 300	57,9	79,2	13 700	13 700		62,0
64,0	54,0	78,7	16 800	16 800	56,4	77,5	13 400	13 400		64,0
66,0	52,4	77,0	16 300	16 300	54,8	75,8	13 100	13 100		66,0
68,0	50,9	75,2	15 900	15 900	53,2	74,0	12 800	12 800		68,0
70,0	49,3	73,3	15 400	15 400	51,6	72,0	12 500	12 500		70,0
72,0	47,6	71,3	14 900	15 000	49,9	70,0	12 200	12 200		72,0
74,0	45,9	69,2	13 700	14 600	48,1	67,8	11 900	11 900		74,0
76,0	44,1	66,9	12 300	14 300	46,3	65,5	11 700	11 700		76,0
78,0	42,3	64,5	10 900	13 900	44,5	63,0	11 400	11 500		78,0
80,0	40,4	61,9	9 500	13 600	42,5	60,4	10 600	11 300		80,0
82,0	38,4	59,1	8 200	13 300	40,4	57,6	9 200	11 100		82,0
84,0	36,3	56,1	7 000	13 000	38,3	54,5	7 900	10 900		84,0
86,0	34,1	52,9	5 800	12 700	36,0	51,1	6 600	10 700		86,0
88,0	31,7	49,3	4 700	12 400	33,5	47,4	5 400	10 500		88,0
90,0	29,1	45,4		12 100	30,8	43,3	4 200	10 400		90,0
94,0	23,0	35,7		11 700						94,0

MLC650 VPC-MAX S-1

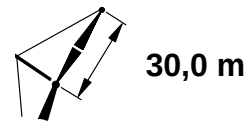
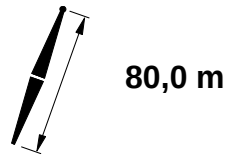
ASME B30.5

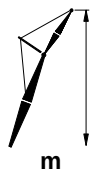
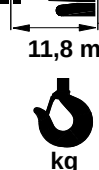
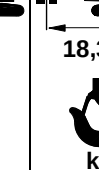
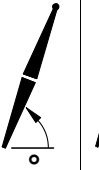
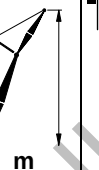
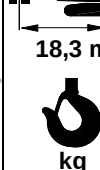


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
21,3	82,4	105,3	29 200	29 200						21,3
22,0	82,0	105,1	29 000	29 000						22,0
24,0	80,9	104,7	28 300	28 300						24,0
26,0	79,8	104,2	27 700	27 700						26,0
28,0	78,6	103,7	27 100	27 100	82,3	103,3	24 000	24 000		28,0
30,0	77,5	103,2	26 500	26 500	81,1	102,8	23 500	23 500		30,0
32,0	76,3	102,6	25 900	25 900	80,0	102,2	22 900	22 900		32,0
34,0	75,2	102,0	25 300	25 300	78,8	101,6	22 400	22 400		34,0
36,0	74,0	101,3	24 700	24 700	77,6	101,0	21 700	21 700		36,0
38,0	72,8	100,6	24 100	24 100	76,5	100,3	20 900	20 900		38,0
40,0	71,7	99,8	23 500	23 500	75,3	99,6	20 200	20 200		40,0
42,0	70,5	99,0	22 900	22 900	74,1	98,8	19 600	19 600		42,0
44,0	69,3	98,1	22 400	22 400	72,9	98,0	18 900	18 900		44,0
46,0	68,1	97,2	21 900	21 900	71,7	97,1	18 300	18 300		46,0
48,0	66,8	96,2	21 400	21 400	70,5	96,2	17 800	17 800		48,0
50,0	65,6	95,2	20 900	20 900	69,2	95,2	17 200	17 200		50,0
52,0	64,3	94,1	20 500	20 500	68,0	94,1	16 800	16 800		52,0
54,0	63,1	93,0	20 000	20 000	66,7	93,0	16 300	16 300		54,0
56,0	61,8	91,8	19 600	19 600	65,4	91,9	15 800	15 800		56,0
58,0	60,5	90,5	19 200	19 200	64,1	90,7	15 400	15 400		58,0
60,0	59,2	89,2	18 800	18 800	62,8	89,4	15 000	15 000		60,0
62,0	57,8	87,8	18 200	18 200	61,5	88,1	14 600	14 600		62,0
64,0	56,5	86,3	17 700	17 700	60,1	86,6	14 300	14 300		64,0
66,0	55,1	84,8	17 200	17 200	58,7	85,2	13 900	13 900		66,0
68,0	53,6	83,2	16 500	16 700	57,3	83,6	13 600	13 600		68,0
70,0	52,2	81,4	15 000	16 300	55,9	82,0	13 300	13 300		70,0
72,0	50,7	79,7	13 300	15 900	54,4	80,2	13 000	13 000		72,0
74,0	49,2	77,8	11 800	15 400	52,9	78,4	12 700	12 700		74,0
76,0	47,6	75,8	10 300	15 100	51,4	76,5	12 500	12 500		76,0
78,0	46,0	73,7	8 900	14 700	49,8	74,4	11 700	12 200		78,0
80,0	44,4	71,4	7 600	14 300	48,1	72,3	10 300	12 000		80,0
82,0	42,7	69,1	6 300	14 000	46,5	70,0	8 900	11 700		82,0
84,0	40,9	66,5	5 100	13 700	44,7	67,6	7 500	11 500		84,0
86,0	39,1	63,9	3 900	13 400	42,9	65,0	6 200	11 300		86,0
88,0	37,1	61,0		13 100	41,0	62,3	4 900	11 100		88,0
90,0	35,1	57,9		12 800	39,0	59,3	3 700	10 900		90,0
94,0	30,6	50,8		12 300	36,9	56,1		10 800		94,0
98,0	25,3	42,1		11 900	32,3	48,8		10 500		98,0
102,0	18,4	30,1		11 500						102,0

MLC650 VPC-MAX S-1

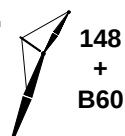
ASME B30.5



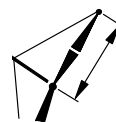
	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
21,3	82,8	111,4	29 300	29 300						21,3
22,0	82,5	111,2	29 100	29 100						22,0
24,0	81,4	110,8	28 500	28 500						24,0
26,0	80,3	110,4	27 900	27 900						26,0
28,0	79,3	109,9	27 400	27 400	82,7	109,4	24 100	24 100		28,0
30,0	78,2	109,4	26 800	26 800	81,6	109,0	23 600	23 600		30,0
32,0	77,1	108,8	26 200	26 200	80,5	108,4	23 100	23 100		32,0
34,0	76,0	108,3	25 700	25 700	79,5	107,9	22 700	22 700		34,0
36,0	74,9	107,6	25 100	25 100	78,4	107,3	22 100	22 100		36,0
38,0	73,8	106,9	24 500	24 500	77,3	106,6	21 400	21 400		38,0
40,0	72,7	106,2	23 900	23 900	76,1	105,9	20 700	20 700		40,0
42,0	71,6	105,4	23 400	23 400	75,0	105,2	20 100	20 100		42,0
44,0	70,5	104,6	22 900	22 900	73,9	104,4	19 400	19 400		44,0
46,0	69,3	103,8	22 400	22 400	72,8	103,6	18 800	18 800		46,0
48,0	68,2	102,9	21 900	21 900	71,6	102,7	18 300	18 300		48,0
50,0	67,0	101,9	21 400	21 400	70,5	101,8	17 800	17 800		50,0
52,0	65,9	100,9	21 000	21 000	69,3	100,9	17 300	17 300		52,0
54,0	64,7	99,8	20 600	20 600	68,1	99,8	16 800	16 800		54,0
56,0	63,5	98,7	20 200	20 200	66,9	98,8	16 400	16 400		56,0
58,0	62,3	97,6	19 700	19 700	65,7	97,6	15 900	15 900		58,0
60,0	61,1	96,3	19 300	19 300	64,5	96,5	15 500	15 500		60,0
62,0	59,8	95,0	19 000	19 000	63,3	95,2	15 200	15 200		62,0
64,0	58,6	93,7	18 500	18 500	62,0	93,9	14 800	14 800		64,0
66,0	57,3	92,3	18 000	18 000	60,7	92,6	14 500	14 500		66,0
68,0	56,0	90,8	17 500	17 500	59,4	91,1	14 100	14 100		68,0
70,0	54,7	89,3	17 100	17 100	58,1	89,6	13 800	13 800		70,0
72,0	53,3	87,6	16 600	16 600	56,8	88,0	13 500	13 500		72,0
74,0	52,0	85,9	16 200	16 200	55,4	86,4	13 200	13 200		74,0
76,0	50,6	84,1	15 800	15 800	54,0	84,7	12 900	12 900		76,0
78,0	49,1	82,2	15 400	15 400	52,6	82,8	12 700	12 700		78,0
80,0	47,7	80,3	15 100	15 100	51,2	80,9	12 400	12 400		80,0
82,0	46,2	78,2	14 700	14 700	49,7	78,9	12 200	12 200		82,0
84,0	44,6	76,0	14 400	14 400	48,1	76,8	12 000	12 000		84,0
86,0	43,0	73,6	14 100	14 100	46,6	74,5	11 800	11 800		86,0
88,0	41,4	71,2	13 800	13 800	44,9	72,2	11 500	11 500		88,0
90,0	39,7	68,5	13 500	13 500	43,2	69,6	11 300	11 300		90,0
94,0	36,0	62,8	12 900	12 900	41,5	66,9	10 800	10 800		94,0
98,0	31,9	56,0	12 400	12 400	37,7	61,0	10 500	10 500		98,0
102,0	27,2	48,0	12 000	12 000	33,5	54,1	10 300	10 300		102,0
106,0	21,5	37,7	11 600	11 600	28,6	45,6				106,0

MLC650 VPC-MAX S-1

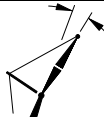
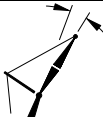
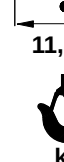
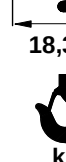
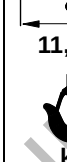
ASME B30.5



86,0 m

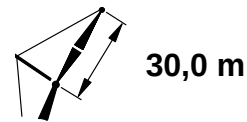
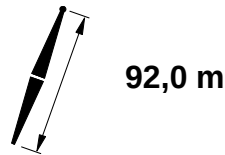


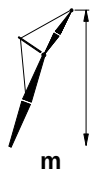
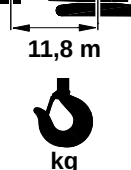
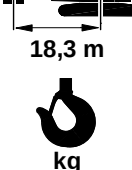
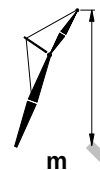
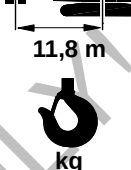
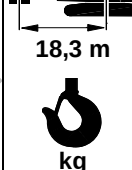
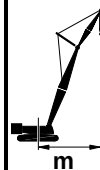
30,0 m

	 10°				 20°					
	 m	 °	 m	 kg	 kg	 °	 m	 kg		 kg
22,9	82,4	117,2	28 900	28 900						22,9
24,0	81,8	117,0	28 600	28 600						24,0
26,0	80,8	116,5	28 100	28 100						26,0
28,0	79,8	116,1	27 500	27 500						28,0
30,0	78,8	115,6	27 000	27 000	82,1	115,1	23 800	23 800		30,0
32,0	77,8	115,1	26 500	26 500	81,1	114,6	23 300	23 300		32,0
34,0	76,8	114,5	26 000	26 000	80,0	114,1	22 800	22 800		34,0
36,0	75,7	113,9	25 500	25 500	79,0	113,5	22 400	22 400		36,0
38,0	74,7	113,3	24 900	24 900	77,9	112,9	21 900	21 900		38,0
40,0	73,6	112,6	24 400	24 400	76,9	112,3	21 200	21 200		40,0
42,0	72,6	111,9	23 800	23 800	75,8	111,6	20 600	20 600		42,0
44,0	71,5	111,1	23 300	23 300	74,8	110,8	19 900	19 900		44,0
46,0	70,5	110,3	22 800	22 800	73,7	110,1	19 300	19 300		46,0
48,0	69,4	109,4	22 400	22 400	72,6	109,2	18 800	18 800		48,0
50,0	68,3	108,5	21 900	21 900	71,6	108,4	18 300	18 300		50,0
52,0	67,2	107,6	21 500	21 500	70,5	107,5	17 800	17 800		52,0
54,0	66,1	106,6	21 100	21 100	69,4	106,5	17 300	17 300		54,0
56,0	65,0	105,6	20 700	20 700	68,2	105,5	16 900	16 900		56,0
58,0	63,9	104,5	20 300	20 300	67,1	104,5	16 400	16 400		58,0
60,0	62,7	103,3	19 900	19 900	66,0	103,4	16 000	16 000		60,0
62,0	61,6	102,1	19 500	19 500	64,8	102,2	15 600	15 600		62,0
64,0	60,4	100,9	19 100	19 100	63,7	101,0	15 300	15 300		64,0
66,0	59,3	99,6	18 600	18 800	62,5	99,8	14 900	14 900		66,0
68,0	58,1	98,2	17 200	18 300	61,3	98,4	14 600	14 600		68,0
70,0	56,8	96,8	15 400	17 900	60,1	97,0	14 300	14 300		70,0
72,0	55,6	95,3	13 600	17 400	58,9	95,6	14 000	14 000		72,0
74,0	54,4	93,7	12 000	17 000	57,6	94,1	13 700	13 700		74,0
76,0	53,1	92,1	10 400	16 600	56,3	92,5	13 400	13 400		76,0
78,0	51,8	90,4	8 900	16 200	55,0	90,8	12 200	13 100		78,0
80,0	50,5	88,6	7 500	15 800	53,7	89,1	10 600	12 900		80,0
82,0	49,1	86,7	6 100	15 400	52,4	87,3	9 100	12 700		82,0
84,0	47,7	84,7	4 800	15 100	51,0	85,4	7 600	12 400		84,0
86,0	46,3	82,7	3 600	14 800	49,6	83,4	6 300	12 200		86,0
88,0	44,8	80,5		14 500	48,1	81,3	4 900	12 000		88,0
90,0	43,3	78,2		14 100	46,7	79,0	3 700	11 800		90,0
94,0	40,2	73,2		13 600	45,1	76,7		11 600		94,0
98,0	36,8	67,6		13 100	41,9	71,6		11 200		98,0
102,0	33,0	61,2		12 600	38,4	65,8		10 900		102,0
106,0	28,8	53,6		12 100	34,6	59,2		10 600		106,0
110,0	23,8	44,3		11 800	30,2	51,4		10 400		110,0
114,0	17,2	31,6		11 500						114,0

MLC650 VPC-MAX S-1

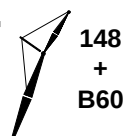
ASME B30.5



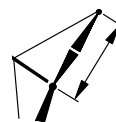
	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
22,9	82,8	123,3	29 000	29 000						22,9
24,0	82,2	123,0	28 700	28 700						24,0
26,0	81,3	122,6	28 200	28 200						26,0
28,0	80,3	122,2	27 700	27 700						28,0
30,0	79,4	121,7	27 200	27 200						30,0
32,0	78,4	121,2	26 700	26 700	82,5	121,2	23 900	23 900		32,0
34,0	77,4	120,7	26 200	26 200	81,5	120,7	23 400	23 400		34,0
36,0	76,4	120,1	25 700	25 700	80,5	120,2	23 000	23 000		36,0
38,0	75,5	119,5	25 300	25 300	79,5	119,7	22 600	22 600		38,0
40,0	74,5	118,9	24 700	24 700	78,6	119,1	22 200	22 200		40,0
42,0	73,5	118,2	24 200	24 200	77,6	118,5	21 600	21 600		42,0
44,0	72,5	117,5	23 700	23 700	76,6	117,9	21 000	21 000		44,0
46,0	71,5	116,7	23 200	23 200	75,6	117,2	20 400	20 400		46,0
48,0	70,5	115,9	22 800	22 800	74,6	116,4	19 800	19 800		48,0
50,0	69,5	115,1	22 400	22 400	73,5	115,7	19 300	19 300		50,0
52,0	68,4	114,2	21 900	21 900	72,5	114,9	18 700	18 700		52,0
54,0	67,4	113,3	21 500	21 500	71,5	114,0	18 200	18 200		54,0
56,0	66,3	112,3	21 100	21 100	70,5	113,1	17 800	17 800		56,0
58,0	65,3	111,3	20 700	20 700	69,4	112,2	17 300	17 300		58,0
60,0	64,2	110,2	20 300	20 300	68,4	111,2	16 900	16 900		60,0
62,0	63,1	109,1	20 000	20 000	67,3	110,2	16 500	16 500		62,0
64,0	62,1	107,9	19 600	19 600	66,2	109,1	16 100	16 100		64,0
66,0	61,0	106,7	17 800	19 300	65,1	107,9	15 800	15 800		66,0
68,0	59,8	105,4	15 900	18 900	64,0	106,8	15 400	15 400		68,0
70,0	58,7	104,1	14 000	18 600	62,9	105,5	15 100	15 100		70,0
72,0	57,6	102,7	12 200	18 200	61,8	104,3	14 700	14 700		72,0
74,0	56,4	101,3	10 600	17 700	60,7	102,9	14 500	14 500		74,0
76,0	55,2	99,7	9 000	17 300	59,5	101,5	14 000	14 200		76,0
78,0	54,0	98,2	7 500	16 900	58,3	100,0	12 600	13 900		78,0
80,0	52,8	96,5	6 100	16 500	57,1	98,5	11 000	13 600		80,0
82,0	51,6	94,8	4 700	16 100	55,9	96,9	9 400	13 300		82,0
84,0	50,3	93,0		15 800	54,7	95,3	7 900	13 100		84,0
86,0	49,0	91,1		15 400	53,4	93,5	6 400	12 800		86,0
88,0	47,7	89,2		15 100	52,2	91,7	5 000	12 600		88,0
90,0	46,4	87,1		14 800	50,8	89,8	3 700	12 400		90,0
94,0	43,6	82,7		14 200	49,5	87,8		12 200		94,0
98,0	40,6	77,8		13 700	48,1	85,7		12 000		98,0
102,0	37,4	72,3		13 200	45,3	81,2		11 600		102,0
106,0	34,0	66,1		12 700	42,3	76,2		11 300		106,0
110,0	30,1	58,9		12 300	39,0	70,6		10 900		110,0
114,0	25,7	50,4		11 900	35,4	64,2		10 700		114,0
118,0	20,2	39,4		10 400	31,4	56,8		10 400		118,0
					26,8	47,8		10 200		118,0

MLC650 VPC-MAX S-1

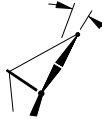
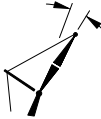
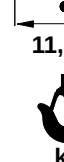
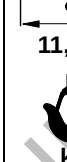
ASME B30.5



98,0 m

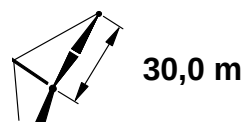
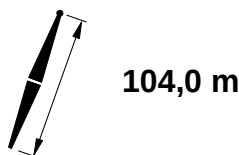
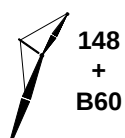


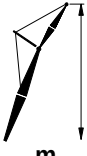
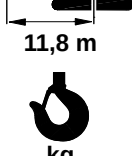
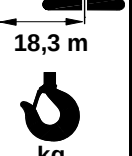
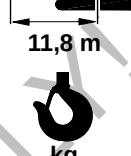
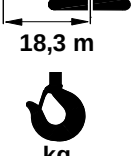
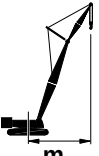
30,0 m

	 10°				 20°					
										
	m	°	m	kg	kg	°	m	kg	kg	m
24,4		82,4	129,1	28 600	28 600					24,4
26,0		81,7	128,8	28 200	28 200					26,0
28,0		80,8	128,3	27 700	27 700					28,0
30,0		79,9	127,9	27 300	27 300	81,9	126,9	23 500	23 500	30,0
32,0		79,0	127,4	26 800	26 800	81,0	126,4	23 100	23 100	32,0
34,0		78,0	126,9	26 400	26 400	80,1	125,9	22 700	22 700	34,0
36,0		77,1	126,4	25 900	25 900	79,1	125,4	22 300	22 300	36,0
38,0		76,2	125,8	25 500	25 500	78,2	124,8	21 900	21 900	38,0
40,0		75,2	125,2	25 000	25 000	77,2	124,2	21 400	21 400	40,0
42,0		74,3	124,5	24 600	24 600	76,3	123,5	20 800	20 800	42,0
44,0		73,3	123,9	24 100	24 100	75,3	122,8	20 300	20 300	44,0
46,0		72,4	123,1	23 600	23 600	74,4	122,1	19 700	19 700	46,0
48,0		71,4	122,4	23 200	23 200	73,4	121,3	19 200	19 200	48,0
50,0		70,5	121,6	22 800	22 800	72,4	120,5	18 700	18 700	50,0
52,0		69,5	120,7	22 300	22 300	71,5	119,7	18 300	18 300	52,0
54,0		68,5	119,9	21 900	21 900	70,5	118,8	17 800	17 800	54,0
56,0		67,5	118,9	21 500	21 500	69,5	117,8	17 400	17 400	56,0
58,0		66,5	118,0	21 200	21 200	68,5	116,9	17 000	17 000	58,0
60,0		65,5	117,0	20 800	20 800	67,5	115,9	16 600	16 600	60,0
62,0		64,5	115,9	19 800	20 400	66,4	114,8	16 200	16 200	62,0
64,0		63,5	114,8	17 800	20 100	65,4	113,7	15 900	15 900	64,0
66,0		62,5	113,7	15 700	19 700	64,4	112,5	15 500	15 500	66,0
68,0		61,4	112,5	13 700	19 400	63,3	111,3	15 200	15 200	68,0
70,0		60,4	111,3	11 800	19 100	62,2	110,1	14 200	14 900	70,0
72,0		59,3	110,0	10 100	18 800	61,2	108,8	12 400	14 600	72,0
74,0		58,2	108,6	8 400	18 400	60,1	107,4	10 600	14 300	74,0
76,0		57,1	107,2	6 800	18 000	59,0	106,0	8 900	14 100	76,0
78,0		56,0	105,8	5 300	17 600	57,8	104,5	7 300	13 800	78,0
80,0		54,9	104,2	3 900	17 200	56,7	103,0	5 800	13 500	80,0
82,0		53,8	102,6		16 800	55,6	101,4	4 400	13 300	82,0
84,0		52,6	101,0		16 500	54,4	99,7		13 100	84,0
86,0		51,4	99,3		16 100	53,2	98,0		12 800	86,0
88,0		50,2	97,5		15 800	52,0	96,1		12 600	88,0
90,0		49,0	95,6		15 500	50,7	94,2		12 400	90,0
94,0		46,5	91,6		14 900	48,1	90,2		12 000	94,0
98,0		43,8	87,2		14 300	45,4	85,7		11 600	98,0
102,0		41,0	82,4		13 800	42,6	80,8		11 300	102,0
106,0		38,0	77,1		13 300	39,5	75,3		11 000	106,0
110,0		34,8	71,1		12 400	36,2	69,2		10 700	110,0
114,0		31,2	64,2		10 600	32,5	62,1		10 500	114,0
118,0		27,2	56,2		8 800	28,4	53,8		9 200	118,0
122,0		22,5	46,3		7 100					122,0

MLC650 VPC-MAX S-1

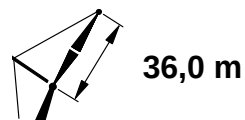
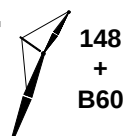
ASME B30.5

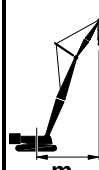
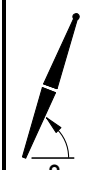
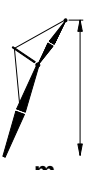
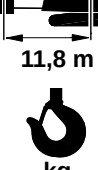
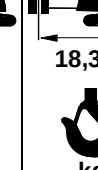
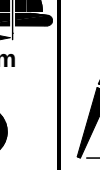
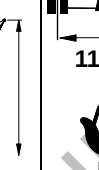
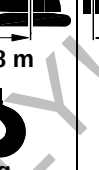


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
24,4	82,8	135,2	28 600	28 600						24,4
26,0	82,1	134,9	28 200	28 200						26,0
28,0	81,2	134,5	27 800	27 800						28,0
30,0	80,3	134,1	27 400	27 400						30,0
32,0	79,5	133,6	26 900	26 900	82,3	133,0	23 600	23 600		32,0
34,0	78,6	133,1	26 500	26 500	81,4	132,6	23 200	23 200		34,0
36,0	77,7	132,6	26 100	26 100	80,5	132,1	22 800	22 800		36,0
38,0	76,8	132,1	25 700	25 700	79,6	131,6	22 500	22 500		38,0
40,0	75,9	131,5	25 300	25 300	78,7	131,0	22 100	22 100		40,0
42,0	75,0	130,9	24 800	24 800	77,8	130,4	21 700	21 700		42,0
44,0	74,1	130,2	24 400	24 400	76,9	129,8	21 200	21 200		44,0
46,0	73,2	129,5	24 000	24 000	76,0	129,1	20 700	20 700		46,0
48,0	72,3	128,8	23 500	23 500	75,1	128,4	20 100	20 100		48,0
50,0	71,4	128,0	23 100	23 100	74,2	127,7	19 600	19 600		50,0
52,0	70,5	127,2	22 700	22 700	73,3	127,0	19 100	19 100		52,0
54,0	69,5	126,4	22 300	22 300	72,3	126,2	18 700	18 700		54,0
56,0	68,6	125,5	21 900	21 900	71,4	125,3	18 200	18 200		56,0
58,0	67,7	124,6	21 600	21 600	70,5	124,4	17 800	17 800		58,0
60,0	66,7	123,7	21 200	21 200	69,5	123,5	17 400	17 400		60,0
62,0	65,8	122,7	20 800	20 800	68,6	122,6	17 000	17 000		62,0
64,0	64,8	121,7	20 500	20 500	67,6	121,6	16 700	16 700		64,0
66,0	63,8	120,6	18 300	20 200	66,6	120,5	16 300	16 300		66,0
68,0	62,9	119,5	16 200	19 800	65,7	119,4	16 000	16 000		68,0
70,0	61,9	118,3	14 200	19 500	64,7	118,3	15 700	15 700		70,0
72,0	60,9	117,1	12 300	19 200	63,7	117,1	15 300	15 300		72,0
74,0	59,9	115,8	10 600	18 900	62,7	115,9	14 800	15 000		74,0
76,0	58,8	114,5	8 900	18 600	61,6	114,6	12 900	14 800		76,0
78,0	57,8	113,1	7 300	18 300	60,6	113,3	11 200	14 500		78,0
80,0	56,8	111,7	5 800	17 900	59,5	111,9	9 500	14 200		80,0
82,0	55,7	110,3	4 300	17 500	58,5	110,5	7 900	14 000		82,0
84,0	54,6	108,7		17 100	57,4	109,0	6 300	13 700		84,0
86,0	53,5	107,1		16 800	56,3	107,4	4 800	13 500		86,0
88,0	52,4	105,5		16 400	55,2	105,8		13 200		88,0
90,0	51,3	103,7		16 100	54,1	104,2		13 000		90,0
94,0	49,0	100,1		15 500	52,9	102,4		12 800		94,0
98,0	46,6	96,1		14 900	50,6	98,7		12 400		98,0
102,0	44,0	91,8		14 400	48,1	94,7		12 000		102,0
106,0	41,4	87,0		13 300	45,6	90,2		11 700		106,0
110,0	38,6	81,8		11 300	42,9	85,4		11 400		110,0
114,0	35,5	75,9		9 500	40,0	80,1		11 100		114,0
118,0	32,2	69,4		7 700	36,9	74,1		10 100		118,0
122,0	28,6	61,8		6 100	33,5	67,3		8 200		122,0
126,0	24,3	52,7		4 100	29,7	59,4		6 500		126,0

MLC650 VPC-MAX S-1

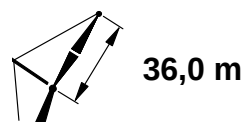
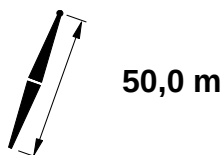
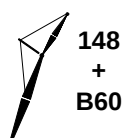
ASME B30.5

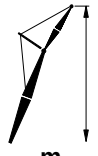
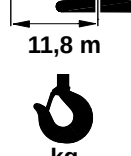
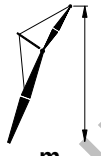
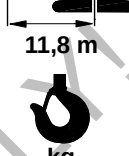
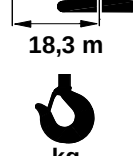


	10°					20°				
										
	m	°	m	kg	kg	m	kg	kg	m	m
19,8	82,3	81,0	22 700b	22 700b	22 700b				19,8	
20,0	82,2	81,0	22 600b	22 600b	22 600b				20,0	
22,0	80,7	80,5	21 800b	21 800b	21 800b				22,0	
24,0	79,2	79,9	20 900	20 900	20 900				24,0	
26,0	77,7	79,3	20 200	20 200	20 200	81,7	78,4	17 600b	17 600b	26,0
28,0	76,2	78,7	19 400	19 400	19 400	80,1	77,7	16 900	16 900	28,0
30,0	74,7	77,9	18 700	18 700	18 700	78,6	77,0	16 400	16 400	30,0
32,0	73,1	77,1	18 000	18 000	18 000	77,0	76,2	15 800	15 800	32,0
34,0	71,6	76,3	17 300	17 300	17 300	75,5	75,3	15 300	15 300	34,0
36,0	70,0	75,4	16 700	16 700	16 700	73,9	74,4	14 800	14 800	36,0
38,0	68,4	74,4	16 100	16 100	16 100	72,2	73,4	14 300	14 300	38,0
40,0	66,8	73,3	15 500	15 500	15 500	70,6	72,3	13 700	13 700	40,0
42,0	65,1	72,2	15 000	15 000	15 000	68,9	71,1	13 200	13 200	42,0
44,0	63,5	71,0	14 500	14 500	14 500	67,2	69,9	12 700	12 700	44,0
46,0	61,8	69,7	14 000	14 000	14 000	65,5	68,6	12 200	12 200	46,0
48,0	60,0	68,3	13 500	13 500	13 500	63,7	67,2	11 700	11 700	48,0
50,0	58,3	66,8	13 000	13 000	13 000	61,9	65,7	11 300	11 300	50,0
52,0	56,4	65,2	12 600	12 600	12 600	60,1	64,1	10 900	10 900	52,0
54,0	54,6	63,6	12 200	12 200	12 200	58,2	62,4	10 500	10 500	54,0
56,0	52,6	61,8	11 800	11 800	11 800	56,2	60,5	10 200	10 200	56,0
58,0	50,7	59,8	11 500	11 500	11 500	54,2	58,6	9 900	9 900	58,0
60,0	48,6	57,8	11 100	11 100	11 100	52,1	56,5	9 600	9 600	60,0
62,0	46,5	55,6	10 800	10 800	10 800	49,9	54,2	9 300	9 300	62,0
64,0	44,2	53,2	10 500	10 500	10 500	47,6	51,7	9 000	9 000	64,0
66,0	41,9	50,6	10 200	10 200	10 200	45,1	49,0	8 800	8 800	66,0
68,0	39,4	47,7	10 000	10 000	10 000	42,6	46,1	8 500	8 500	68,0
70,0	36,7	44,6	9 700	9 700	9 700	39,8	42,8	8 300	8 300	70,0
72,0	33,8	41,1	9 500	9 500	9 500	36,8	39,2	8 100	8 100	72,0
74,0	30,6	37,1	9 300	9 300	9 300	33,4	35,0	7 900	7 900	74,0
76,0	27,0	32,5	9 100	9 100	9 100	29,5	29,9	7 800	7 800	76,0
78,0	22,7	26,8	8 900	8 900	8 900					78,0

MLC650 VPC-MAX S-1

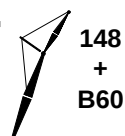
ASME B30.5



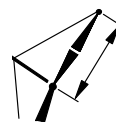
	10°				20°					
										
	m	°	m	kg	kg	°	m	kg	kg	m
19,8		82,9	87,2	22 900	22 900					19,8
20,0		82,7	87,1	22 900	22 900					20,0
22,0		81,4	86,6	22 100	22 100					22,0
24,0		80,0	86,1	21 300	21 300					24,0
26,0		78,6	85,6	20 600	20 600					26,0
28,0		77,2	84,9	19 900	19 900	82,3	84,6	17 800	17 800	28,0
30,0		75,8	84,3	19 200	19 200	79,4	83,3	16 700	16 700	30,0
32,0		74,4	83,5	18 500	18 500	78,0	82,5	16 100	16 100	32,0
34,0		73,0	82,7	17 900	17 900	76,6	81,7	15 600	15 600	34,0
36,0		71,5	81,9	17 300	17 300	75,1	80,9	15 100	15 100	36,0
38,0		70,0	81,0	16 700	16 700	73,6	80,0	14 700	14 700	38,0
40,0		68,6	80,0	16 100	16 100	72,1	79,0	14 200	14 200	40,0
42,0		67,1	79,0	15 600	15 600	70,6	77,9	13 700	13 700	42,0
44,0		65,5	77,9	15 100	15 100	69,0	76,8	13 200	13 200	44,0
46,0		64,0	76,7	14 600	14 600	67,5	75,6	12 700	12 700	46,0
48,0		62,4	75,5	14 200	14 200	65,9	74,3	12 300	12 300	48,0
50,0		60,8	74,1	13 700	13 700	64,3	73,0	11 800	11 800	50,0
52,0		59,2	72,7	13 300	13 300	62,6	71,6	11 500	11 500	52,0
54,0		57,5	71,2	12 900	12 900	60,9	70,1	11 100	11 100	54,0
56,0		55,8	69,7	12 500	12 500	59,2	68,4	10 700	10 700	56,0
58,0		54,1	68,0	12 100	12 100	57,4	66,7	10 400	10 400	58,0
60,0		52,3	66,2	11 800	11 800	55,6	64,9	10 100	10 100	60,0
62,0		50,5	64,3	11 400	11 400	53,7	62,9	9 800	9 800	62,0
64,0		48,5	62,2	11 100	11 100	51,7	60,8	9 500	9 500	64,0
66,0		46,6	60,0	10 800	10 800	49,7	58,6	9 300	9 300	66,0
68,0		44,5	57,7	10 600	10 600	47,6	56,2	9 000	9 000	68,0
70,0		42,4	55,1	10 300	10 300	45,4	53,6	8 800	8 800	70,0
72,0		40,1	52,4	10 000	10 000	43,1	50,7	8 600	8 600	72,0
74,0		37,7	49,4	9 800	9 800	40,6	47,6	8 400	8 400	74,0
76,0		35,1	46,1	9 600	9 600	37,9	44,2	8 200	8 200	76,0
78,0		32,4	42,4	9 400	9 400	35,0	40,3	8 000	8 000	78,0
80,0		29,3	38,3	9 200	9 200	31,7	35,9	7 900	7 900	80,0
82,0		25,8	33,4	9 000	9 000	27,9	30,6	7 800	7 800	82,0
84,0		21,6	27,5	8 900	8 900					84,0

MLC650 VPC-MAX S-1

ASME B30.5



56,0 m

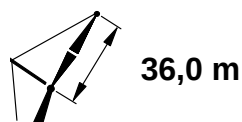
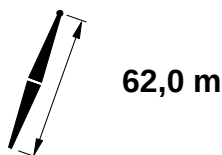
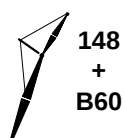


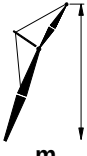
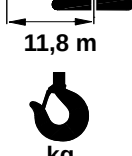
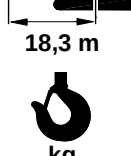
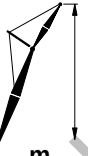
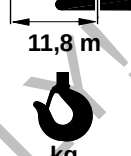
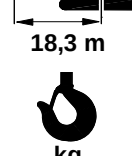
36,0 m

	10°				20°				
	 m	 °	 m	 kg	 kg	 m	 kg	 kg	
21,3	82,4	92,9	22 600	22 600					21,3
22,0	81,9	92,8	22 400	22 400					22,0
24,0	80,7	92,3	21 700	21 700					24,0
26,0	79,4	91,8	21 000	21 000	82,8	90,8	18 000	18 000	26,0
28,0	78,1	91,2	20 300	20 300	81,5	90,2	17 500	17 500	28,0
30,0	76,8	90,6	19 600	19 600	80,2	89,5	16 900	16 900	30,0
32,0	75,5	89,9	19 000	19 000	78,8	88,8	16 400	16 400	32,0
34,0	74,1	89,2	18 400	18 400	77,5	88,1	15 900	15 900	34,0
36,0	72,8	88,4	17 800	17 800	76,1	87,3	15 500	15 500	36,0
38,0	71,4	87,5	17 200	17 200	74,8	86,5	15 000	15 000	38,0
40,0	70,1	86,7	16 700	16 700	73,4	85,6	14 600	14 600	40,0
42,0	68,7	85,7	16 200	16 200	72,0	84,6	14 200	14 200	42,0
44,0	67,3	84,7	15 700	15 700	70,6	83,6	13 700	13 700	44,0
46,0	65,9	83,6	15 200	15 200	69,2	82,5	13 200	13 200	46,0
48,0	64,5	82,5	14 800	14 800	67,7	81,3	12 800	12 800	48,0
50,0	63,0	81,3	14 300	14 300	66,2	80,1	12 300	12 300	50,0
52,0	61,5	80,0	13 900	13 900	64,7	78,8	11 900	11 900	52,0
54,0	60,0	78,7	13 500	13 500	63,2	77,4	11 600	11 600	54,0
56,0	58,5	77,2	13 100	13 100	61,6	76,0	11 200	11 200	56,0
58,0	56,9	75,7	12 700	12 700	60,0	74,5	10 900	10 900	58,0
60,0	55,3	74,1	12 400	12 400	58,4	72,8	10 600	10 600	60,0
62,0	53,7	72,4	12 000	12 000	56,8	71,1	10 300	10 300	62,0
64,0	52,0	70,6	11 700	11 700	55,0	69,3	10 000	10 000	64,0
66,0	50,3	68,7	11 400	11 400	53,3	67,3	9 700	9 700	66,0
68,0	48,5	66,7	11 100	11 100	51,5	65,2	9 500	9 500	68,0
70,0	46,7	64,5	10 800	10 800	49,6	63,0	9 200	9 200	70,0
72,0	44,8	62,2	10 600	10 600	47,6	60,7	9 000	9 000	72,0
74,0	42,8	59,7	10 300	10 300	45,6	58,1	8 800	8 800	74,0
76,0	40,7	57,1	10 100	10 100	43,5	55,4	8 600	8 600	76,0
78,0	38,6	54,2	9 900	9 900	41,2	52,4	8 400	8 400	78,0
80,0	36,2	51,1	9 700	9 700	38,8	49,2	8 200	8 200	80,0
82,0	33,8	47,6	9 500	9 500	36,2	45,6	8 100	8 100	82,0
84,0	31,1	43,8	9 300	9 300	33,4	41,5	7 900	7 900	84,0
86,0	28,1	39,5	9 100	9 100	30,2	36,9	7 800	7 800	86,0
88,0	24,7	34,4	9 000	9 000					88,0

MLC650 VPC-MAX S-1

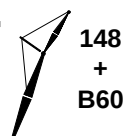
ASME B30.5



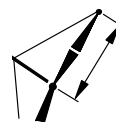
	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
21,3	82,8	99,1	22 800	22 800						21,3
22,0	82,4	98,9	22 600	22 600						22,0
24,0	81,2	98,5	21 900	21 900						24,0
26,0	80,0	98,0	21 300	21 300						26,0
28,0	78,8	97,4	20 600	20 600						28,0
30,0	77,6	96,8	20 000	20 000	82,0	96,4	17 700	17 700		30,0
32,0	76,4	96,2	19 400	19 400	79,6	95,8	17 100	17 100		32,0
34,0	75,2	95,5	18 800	18 800	78,3	95,1	16 700	16 700		34,0
36,0	73,9	94,8	18 300	18 300	77,1	94,4	16 200	16 200		36,0
38,0	72,7	94,0	17 700	17 700	75,8	93,7	15 800	15 800		38,0
						92,9	15 300	15 300		
40,0	71,4	93,2	17 200	17 200	74,5	92,1	14 900	14 900		40,0
42,0	70,1	92,3	16 700	16 700	73,2	91,2	14 500	14 500		42,0
44,0	68,8	91,4	16 200	16 200	71,9	90,2	14 100	14 100		44,0
46,0	67,5	90,4	15 700	15 700	70,6	89,2	13 700	13 700		46,0
48,0	66,2	89,3	15 300	15 300	69,2	88,2	13 200	13 200		48,0
50,0	64,9	88,2	14 800	14 800	67,9	87,1	12 800	12 800		50,0
52,0	63,5	87,1	14 500	14 500	66,5	85,9	12 400	12 400		52,0
54,0	62,1	85,8	14 100	14 100	65,1	84,6	12 000	12 000		54,0
56,0	60,7	84,5	13 600	13 600	63,7	83,3	11 700	11 700		56,0
58,0	59,3	83,2	13 300	13 300	62,3	81,9	11 400	11 400		58,0
60,0	57,9	81,7	12 900	12 900	60,8	80,4	11 000	11 000		60,0
62,0	56,4	80,2	12 600	12 600	59,3	78,9	10 700	10 700		62,0
64,0	54,9	78,6	12 300	12 300	57,8	77,2	10 500	10 500		64,0
66,0	53,4	76,9	12 000	12 000	56,2	75,5	10 200	10 200		66,0
68,0	51,8	75,1	11 700	11 700	54,6	73,7	9 900	9 900		68,0
70,0	50,2	73,2	11 400	11 400	52,9	71,7	9 700	9 700		70,0
72,0	48,5	71,2	11 100	11 100	51,3	69,7	9 400	9 400		72,0
74,0	46,8	69,0	10 900	10 900	49,5	67,5	9 200	9 200		74,0
76,0	45,0	66,8	10 600	10 600	47,7	65,2	9 000	9 000		76,0
78,0	43,2	64,3	10 400	10 400	45,8	62,7	8 800	8 800		78,0
80,0	41,3	61,7	10 200	10 200	43,8	60,0	8 600	8 600		80,0
82,0	39,3	59,0	9 900	9 900	41,8	57,2	8 500	8 500		82,0
84,0	37,2	56,0	9 700	9 700	39,6	54,0	8 300	8 300		84,0
86,0	34,9	52,7	8 900	9 600	37,3	50,7	8 200	8 200		86,0
88,0	32,5	49,1	7 700	9 400	34,8	46,9	8 000	8 000		88,0
90,0	29,9	45,2	6 600	9 200	32,0	42,7	7 300	7 900		90,0
94,0	23,8	35,4	4 400	9 000						94,0

MLC650 VPC-MAX S-1

ASME B30.5



68,0 m

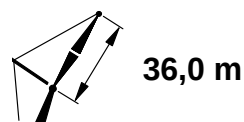
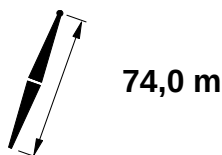
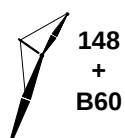


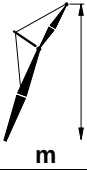
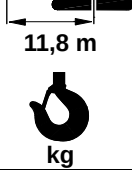
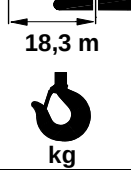
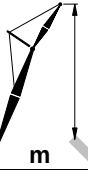
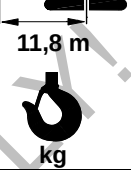
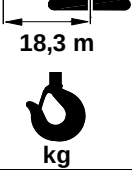
36,0 m

	10°				20°				
22,9	82,4	104,8	22 500	22 500					22,9
24,0	81,8	104,6	22 100	22 100					24,0
26,0	80,6	104,1	21 500	21 500					26,0
28,0	79,5	103,6	20 900	20 900					28,0
30,0	78,4	103,1	20 300	20 300					30,0
32,0	77,2	102,5	19 800	19 800					32,0
34,0	76,0	101,9	19 200	19 200					34,0
36,0	74,9	101,2	18 600	18 600					36,0
38,0	73,7	100,5	18 100	18 100					38,0
40,0	72,5	99,7	17 600	17 600					40,0
42,0	71,3	98,9	17 100	17 100					42,0
44,0	70,1	98,0	16 600	16 600					44,0
46,0	68,9	97,1	16 200	16 200					46,0
48,0	67,7	96,1	15 800	15 800					48,0
50,0	66,5	95,1	15 400	15 400					50,0
52,0	65,2	94,0	14 900	14 900					52,0
54,0	63,9	92,8	14 600	14 600					54,0
56,0	62,6	91,6	14 200	14 200					56,0
58,0	61,3	90,4	13 800	13 800					58,0
60,0	60,0	89,1	13 400	13 400					60,0
62,0	58,7	87,7	13 100	13 100					62,0
64,0	57,3	86,2	12 800	12 800					64,0
66,0	55,9	84,6	12 500	12 500					66,0
68,0	54,5	83,0	12 200	12 200					68,0
70,0	53,0	81,3	11 900	11 900					70,0
72,0	51,6	79,5	11 600	11 600					72,0
74,0	50,0	77,6	11 400	11 400					74,0
76,0	48,5	75,6	11 100	11 100					76,0
78,0	46,9	73,5	10 900	10 900					78,0
80,0	45,2	71,3	10 600	10 600					80,0
82,0	43,5	68,9	10 300	10 400					82,0
84,0	41,7	66,4	9 200	10 200					84,0
86,0	39,9	63,7	8 000	10 000					86,0
88,0	38,0	60,8	6 900	9 800					88,0
90,0	35,9	57,7	5 800	9 600					90,0
94,0	31,4	50,6	3 700	9 300					94,0
98,0	26,1	41,8		9 000					98,0
102,0	19,1	29,8		8 800					102,0

MLC650 VPC-MAX S-1

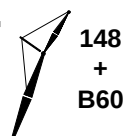
ASME B30.5



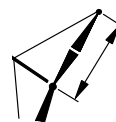
	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
22,9	82,8	111,0	22 600	22 600						22,9
24,0	82,2	110,7	22 300	22 300						24,0
26,0	81,2	110,3	21 700	21 700						26,0
28,0	80,1	109,8	21 200	21 200						28,0
30,0	79,0	109,3	20 600	20 600	81,9	108,2	17 500	17 500		30,0
32,0	77,9	108,7	20 000	20 000	80,8	107,6	17 100	17 100		32,0
34,0	76,8	108,1	19 500	19 500	79,7	107,0	16 700	16 700		34,0
36,0	75,7	107,5	19 000	19 000	78,6	106,4	16 200	16 200		36,0
38,0	74,6	106,8	18 500	18 500	77,4	105,7	15 800	15 800		38,0
40,0	73,5	106,1	18 000	18 000	76,3	104,9	15 500	15 500		40,0
42,0	72,4	105,3	17 500	17 500	75,2	104,1	15 100	15 100		42,0
44,0	71,3	104,5	17 100	17 100	74,1	103,3	14 800	14 800		44,0
46,0	70,2	103,7	16 700	16 700	72,9	102,5	14 400	14 400		46,0
48,0	69,0	102,7	16 200	16 200	71,7	101,5	14 100	14 100		48,0
50,0	67,9	101,8	15 800	15 800	70,6	100,6	13 700	13 700		50,0
52,0	66,7	100,8	15 400	15 400	69,4	99,5	13 300	13 300		52,0
54,0	65,5	99,7	15 000	15 000	68,2	98,5	12 900	12 900		54,0
56,0	64,3	98,6	14 700	14 700	67,0	97,3	12 600	12 600		56,0
58,0	63,1	97,4	14 300	14 300	65,8	96,2	12 200	12 200		58,0
60,0	61,9	96,2	13 900	13 900	64,5	94,9	11 900	11 900		60,0
62,0	60,6	94,9	13 600	13 600	63,3	93,6	11 600	11 600		62,0
64,0	59,4	93,6	13 300	13 300	62,0	92,2	11 300	11 300		64,0
66,0	58,1	92,2	13 000	13 000	60,7	90,8	11 000	11 000		66,0
68,0	56,8	90,7	12 700	12 700	59,4	89,3	10 800	10 800		68,0
70,0	55,5	89,1	12 400	12 400	58,0	87,7	10 500	10 500		70,0
72,0	54,1	87,5	12 100	12 100	56,7	86,1	10 300	10 300		72,0
74,0	52,8	85,8	11 900	11 900	55,3	84,3	10 000	10 000		74,0
76,0	51,4	84,0	11 600	11 600	53,8	82,5	9 800	9 800		76,0
78,0	49,9	82,1	11 200	11 300	52,4	80,6	9 600	9 600		78,0
80,0	48,5	80,1	9 800	11 100	50,9	78,5	9 400	9 400		80,0
82,0	47,0	78,0	8 500	10 900	49,3	76,4	9 200	9 200		82,0
84,0	45,4	75,8	7 300	10 700	47,8	74,1	8 700	9 000		84,0
86,0	43,8	73,5	6 100	10 500	46,1	71,7	7 500	8 900		86,0
88,0	42,2	71,0	5 000	10 300	44,4	69,2	6 200	8 700		88,0
90,0	40,4	68,4	3 900	10 100	42,6	66,5	5 100	8 500		90,0
94,0	36,8	62,6		9 700	38,9	60,5		8 300		94,0
98,0	32,7	55,8		9 400	34,6	53,5		8 000		98,0
102,0	28,0	47,7		9 100	29,6	45,0		7 800		102,0
106,0	22,2	37,3		8 900						106,0

MLC650 VPC-MAX S-1

ASME B30.5



80,0 m

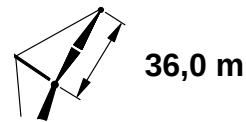
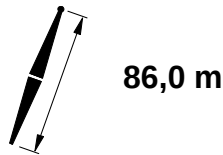


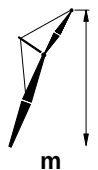
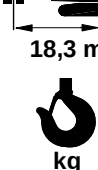
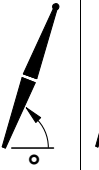
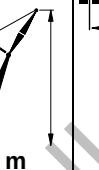
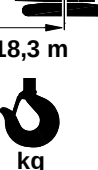
36,0 m

	10°					20°				
	 m	 °	 m	 kg	 kg	 °	 m	 kg	 kg	 m
24,4	82,4	116,8	22 300	22 300						24,4
26,0	81,6	116,4	21 900	21 900						26,0
28,0	80,6	116,0	21 400	21 400						28,0
30,0	79,6	115,5	20 800	20 800	82,3	114,3	17 600	17 600		30,0
32,0	78,6	115,0	20 300	20 300	81,3	113,8	17 200	17 200		32,0
34,0	77,5	114,4	19 800	19 800	80,2	113,2	16 800	16 800		34,0
36,0	76,5	113,8	19 300	19 300	79,2	112,6	16 400	16 400		36,0
38,0	75,5	113,2	18 800	18 800	78,1	112,0	16 100	16 100		38,0
40,0	74,4	112,5	18 400	18 400	77,1	111,3	15 700	15 700		40,0
42,0	73,4	111,7	17 900	17 900	76,0	110,5	15 400	15 400		42,0
44,0	72,3	111,0	17 500	17 500	74,9	109,8	15 000	15 000		44,0
46,0	71,3	110,2	17 000	17 000	73,9	109,0	14 700	14 700		46,0
48,0	70,2	109,3	16 600	16 600	72,8	108,1	14 400	14 400		48,0
50,0	69,1	108,4	16 200	16 200	71,7	107,2	14 000	14 000		50,0
52,0	68,0	107,5	15 800	15 800	70,6	106,2	13 700	13 700		52,0
54,0	66,9	106,5	15 500	15 500	69,5	105,2	13 300	13 300		54,0
56,0	65,8	105,4	15 100	15 100	68,3	104,2	13 000	13 000		56,0
58,0	64,7	104,4	14 800	14 800	67,2	103,1	12 600	12 600		58,0
60,0	63,5	103,2	14 400	14 400	66,0	101,9	12 300	12 300		60,0
62,0	62,4	102,0	14 100	14 100	64,9	100,7	12 000	12 000		62,0
64,0	61,2	100,8	13 800	13 800	63,7	99,4	11 700	11 700		64,0
66,0	60,0	99,5	13 400	13 400	62,5	98,1	11 400	11 400		66,0
68,0	58,8	98,1	13 100	13 100	61,3	96,7	11 200	11 200		68,0
70,0	57,6	96,7	12 900	12 900	60,0	95,3	10 900	10 900		70,0
72,0	56,4	95,2	12 600	12 600	58,8	93,7	10 700	10 700		72,0
74,0	55,1	93,6	12 300	12 300	57,5	92,2	10 400	10 400		74,0
76,0	53,8	92,0	11 200	12 000	56,2	90,5	10 200	10 200		76,0
78,0	52,5	90,2	9 800	11 800	54,9	88,7	10 000	10 000		78,0
80,0	51,2	88,4	8 500	11 600	53,5	86,9	9 800	9 800		80,0
82,0	49,8	86,6	7 200	11 300	52,2	85,0	8 900	9 600		82,0
84,0	48,5	84,6	6 000	11 100	50,7	83,0	7 600	9 400		84,0
86,0	47,0	82,5	4 800	10 900	49,3	80,9	6 300	9 200		86,0
88,0	45,6	80,3	3 700	10 700	47,8	78,6	5 100	9 000		88,0
90,0	44,1	78,0		10 500	46,2	76,3	3 900	8 900		90,0
94,0	40,9	73,0		10 100	43,0	71,1		8 600		94,0
98,0	37,5	67,4		9 800	39,5	65,3		8 300		98,0
102,0	33,7	60,9		9 500	35,6	58,7		8 100		102,0
106,0	29,5	53,4		9 200	31,1	50,7		7 900		106,0
110,0	24,5	44,0		9 000						110,0

MLC650 VPC-MAX S-1

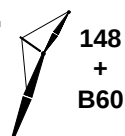
ASME B30.5



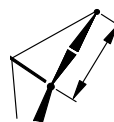
	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
24,4	82,8	122,9	22 400	22 400						24,4
26,0	82,0	122,6	22 000	22 000						26,0
28,0	81,1	122,1	21 500	21 500						28,0
30,0	80,1	121,7	21 000	21 000						30,0
32,0	79,1	121,2	20 500	20 500						32,0
34,0	78,2	120,6	20 100	20 100	81,7	120,0	17 400	17 400		34,0
36,0	77,2	120,1	19 600	19 600	79,7	118,9	16 600	16 600		36,0
38,0	76,2	119,4	19 100	19 100	78,7	118,2	16 300	16 300		38,0
40,0	75,2	118,8	18 700	18 700	77,7	117,6	15 900	15 900		40,0
42,0	74,2	118,1	18 300	18 300	76,7	116,9	15 600	15 600		42,0
44,0	73,2	117,4	17 800	17 800	75,7	116,2	15 200	15 200		44,0
46,0	72,2	116,6	17 400	17 400	74,7	115,4	14 900	14 900		46,0
48,0	71,2	115,8	17 000	17 000	73,7	114,6	14 600	14 600		48,0
50,0	70,2	115,0	16 600	16 600	72,7	113,7	14 300	14 300		50,0
52,0	69,2	114,1	16 200	16 200	71,6	112,8	14 000	14 000		52,0
54,0	68,1	113,2	15 900	15 900	70,6	111,9	13 700	13 700		54,0
56,0	67,1	112,2	15 500	15 500	69,5	110,9	13 300	13 300		56,0
58,0	66,0	111,2	15 200	15 200	68,4	109,9	13 000	13 000		58,0
60,0	65,0	110,1	14 900	14 900	67,4	108,8	12 700	12 700		60,0
62,0	63,9	109,0	14 500	14 500	66,3	107,7	12 400	12 400		62,0
64,0	62,8	107,8	14 200	14 200	65,2	106,5	12 100	12 100		64,0
66,0	61,7	106,6	13 900	13 900	64,1	105,2	11 800	11 800		66,0
68,0	60,6	105,3	13 600	13 600	62,9	103,9	11 500	11 500		68,0
70,0	59,5	104,0	13 300	13 300	61,8	102,6	11 300	11 300		70,0
72,0	58,3	102,6	13 000	13 000	60,6	101,2	11 000	11 000		72,0
74,0	57,1	101,2	12 700	12 700	59,4	99,7	10 800	10 800		74,0
76,0	56,0	99,6	12 500	12 500	58,3	98,2	10 600	10 600		76,0
78,0	54,8	98,1	11 200	12 200	57,0	96,6	10 300	10 300		78,0
80,0	53,6	96,4	9 700	12 000	55,8	94,9	10 100	10 100		80,0
82,0	52,3	94,7	8 400	11 800	54,5	93,2	9 900	9 900		82,0
84,0	51,1	92,9	7 100	11 500	53,3	91,3	8 900	9 700		84,0
86,0	49,8	91,0	5 800	11 300	51,9	89,4	7 500	9 600		86,0
88,0	48,4	89,1	4 600	11 100	50,6	87,4	6 200	9 400		88,0
90,0	47,1	87,0		10 900	49,2	85,3	5 000	9 200		90,0
94,0	44,3	82,6		10 500	46,4	80,8		8 900		94,0
98,0	41,3	77,7		10 200	43,3	75,8		8 600		98,0
102,0	38,1	72,2		9 800	40,0	70,1		8 400		102,0
106,0	34,7	66,0		9 500	36,4	63,7		8 100		106,0
110,0	30,8	58,8		9 300	32,4	56,2		7 900		110,0
114,0	26,3	50,2		9 000	27,7	47,1		7 700		114,0
118,0	20,8	39,1		8 800						118,0

MLC650 VPC-MAX S-1

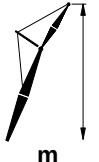
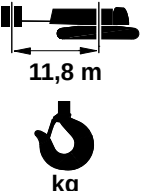
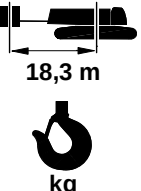
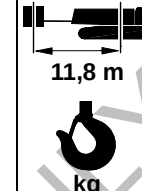
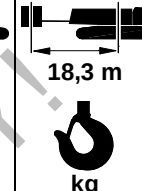
ASME B30.5



92,0 m

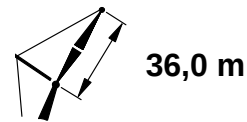
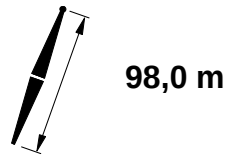


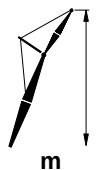
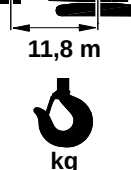
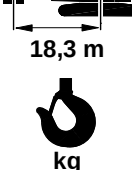
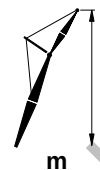
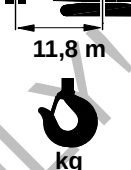
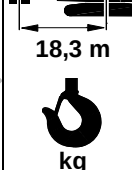
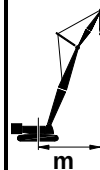
36,0 m

	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
25,9	82,5	128,7	22 100	22 100						25,9
26,0	82,4	128,6	22 100	22 100						26,0
28,0	81,5	128,2	21 700	21 700						28,0
30,0	80,6	127,8	21 200	21 200						30,0
32,0	79,7	127,3	20 700	20 700	82,1	126,1	17 500	17 500		32,0
34,0	78,7	126,8	20 300	20 300	81,2	125,6	17 100	17 100		34,0
36,0	77,8	126,3	19 800	19 800	80,2	125,0	16 800	16 800		36,0
38,0	76,9	125,7	19 400	19 400	79,3	124,5	16 400	16 400		38,0
40,0	75,9	125,1	19 000	19 000	78,4	123,8	16 100	16 100		40,0
42,0	75,0	124,4	18 500	18 500	77,4	123,2	15 800	15 800		42,0
44,0	74,1	123,7	18 100	18 100	76,4	122,5	15 400	15 400		44,0
46,0	73,1	123,0	17 700	17 700	75,5	121,8	15 200	15 200		46,0
48,0	72,1	122,3	17 400	17 400	74,5	121,0	14 900	14 900		48,0
50,0	71,2	121,5	17 000	17 000	73,5	120,2	14 600	14 600		50,0
52,0	70,2	120,6	16 600	16 600	72,6	119,3	14 300	14 300		52,0
54,0	69,2	119,7	16 200	16 200	71,6	118,4	14 000	14 000		54,0
56,0	68,2	118,8	15 900	15 900	70,6	117,5	13 700	13 700		56,0
58,0	67,2	117,8	15 600	15 600	69,6	116,5	13 400	13 400		58,0
60,0	66,2	116,8	15 200	15 200	68,5	115,5	13 000	13 000		60,0
62,0	65,2	115,8	14 900	14 900	67,5	114,5	12 700	12 700		62,0
64,0	64,2	114,7	14 600	14 600	66,5	113,4	12 400	12 400		64,0
66,0	63,2	113,6	14 300	14 300	65,4	112,2	12 100	12 100		66,0
68,0	62,1	112,4	14 000	14 000	64,4	111,0	11 900	11 900		68,0
70,0	61,1	111,1	13 700	13 700	63,3	109,7	11 600	11 600		70,0
72,0	60,0	109,8	13 400	13 400	62,2	108,4	11 400	11 400		72,0
74,0	58,9	108,5	12 800	13 200	61,1	107,1	11 100	11 100		74,0
76,0	57,8	107,1	11 300	12 900	60,0	105,6	10 900	10 900		76,0
78,0	56,7	105,6	9 800	12 700	58,9	104,1	10 700	10 700		78,0
80,0	55,6	104,1	8 400	12 400	57,8	102,6	10 200	10 500		80,0
82,0	54,5	102,5	7 000	12 200	56,6	101,0	9 000	10 300		82,0
84,0	53,3	100,8	5 700	11 900	55,4	99,3	7 600	10 100		84,0
86,0	52,1	99,1	4 400	11 700	54,2	97,6	6 300	9 900		86,0
88,0	50,9	97,3	3 200	11 500	53,0	95,7	5 000	9 700		88,0
90,0	49,7	95,4		11 300	51,7	93,8	3 800	9 500		90,0
94,0	47,1	91,4		10 900	49,2	89,7		9 200		94,0
98,0	44,5	87,1		10 500	46,4	85,3		8 900		98,0
102,0	41,7	82,2		10 200	43,6	80,3		8 700		102,0
106,0	38,7	76,9		9 900	40,5	74,8		8 400		106,0
110,0	35,4	70,8		9 600	37,1	68,6		8 200		110,0
114,0	31,9	64,0		9 300	33,4	61,5		8 000		114,0
118,0	27,8	55,9		9 100	29,2	53,0		7 800		118,0
122,0	23,0	46,0		8 900						122,0

MLC650 VPC-MAX S-1

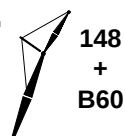
ASME B30.5



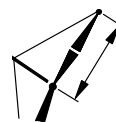
	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
25,9	82,8	134,8	22 200	22 200						25,9
26,0	82,8	134,7	22 200	22 200						26,0
28,0	81,9	134,3	21 700	21 700						28,0
30,0	81,0	133,9	21 300	21 300						30,0
32,0	80,1	133,5	20 900	20 900						32,0
34,0	79,3	133,0	20 500	20 500	82,5	132,3	17 600	17 600		34,0
36,0	78,4	132,5	20 000	20 000	80,7	131,2	16 900	16 900		36,0
38,0	77,5	131,9	19 600	19 600	79,8	130,7	16 600	16 600		38,0
40,0	76,6	131,3	19 200	19 200	78,9	130,1	16 200	16 200		40,0
42,0	75,7	130,7	18 800	18 800	78,0	129,5	15 900	15 900		42,0
44,0	74,8	130,1	18 400	18 400	77,1	128,8	15 600	15 600		44,0
46,0	73,9	129,4	18 000	18 000	76,2	128,1	15 300	15 300		46,0
48,0	73,0	128,7	17 700	17 700	75,3	127,4	15 100	15 100		48,0
50,0	72,1	127,9	17 300	17 300	74,3	126,6	14 800	14 800		50,0
52,0	71,1	127,1	16 900	16 900	73,4	125,8	14 500	14 500		52,0
54,0	70,2	126,3	16 600	16 600	72,5	125,0	14 200	14 200		54,0
56,0	69,3	125,4	16 200	16 200	71,5	124,1	14 000	14 000		56,0
58,0	68,3	124,5	15 900	15 900	70,6	123,2	13 700	13 700		58,0
60,0	67,4	123,5	15 600	15 600	69,6	122,2	13 400	13 400		60,0
62,0	66,4	122,6	15 300	15 300	68,6	121,2	13 100	13 100		62,0
64,0	65,5	121,5	15 000	15 000	67,7	120,2	12 800	12 800		64,0
66,0	64,5	120,4	14 700	14 700	66,7	119,1	12 500	12 500		66,0
68,0	63,5	119,3	14 400	14 400	65,7	117,9	12 200	12 200		68,0
70,0	62,5	118,2	14 100	14 100	64,7	116,8	12 000	12 000		70,0
72,0	61,5	116,9	12 500	13 800	63,7	115,5	11 700	11 700		72,0
74,0	60,5	115,7	10 800	13 600	62,6	114,3	11 500	11 500		74,0
76,0	59,5	114,4	9 200	13 300	61,6	112,9	11 300	11 300		76,0
78,0	58,5	113,0	7 700	13 100	60,6	111,5	10 100	11 000		78,0
80,0	57,4	111,6	6 200	12 800	59,5	110,1	8 600	10 800		80,0
82,0	56,3	110,1	4 800	12 600	58,4	108,6	7 100	10 600		82,0
84,0	55,3	108,6		12 300	57,3	107,0	5 700	10 400		84,0
86,0	54,2	107,0		12 100	56,2	105,4	4 300	10 200		86,0
88,0	53,1	105,3		11 900	55,1	103,7		10 000		88,0
90,0	51,9	103,6		11 700	53,9	102,0		9 900		90,0
94,0	49,6	99,9		11 300	51,6	98,3		9 500		94,0
98,0	47,2	95,9		10 900	49,1	94,2		9 200		98,0
102,0	44,7	91,6		10 600	46,5	89,8		8 900		102,0
106,0	42,0	86,8		10 200	43,8	84,9		8 700		106,0
110,0	39,2	81,6		9 900	40,9	79,5		8 400		110,0
114,0	36,1	75,7		9 700	37,8	73,5		8 200		114,0
118,0	32,8	69,1		9 400	34,4	66,7		8 000		118,0
122,0	29,2	61,5		8 700	30,5	58,7		7 800		122,0
126,0	24,9	52,4		7 100						126,0
130,0	19,6	40,8		5 600						130,0

MLC650 VPC-MAX S-1

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104,0 m

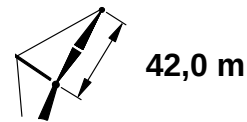
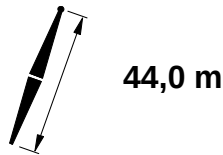


36,0 m

	10°					20°				
	m	°	m	kg	kg	°	m	kg	kg	m
27,4	82,5	140,6	21 900	21 900						27,4
28,0	82,2	140,5	21 800	21 800						28,0
30,0	81,4	140,1	21 400	21 400						30,0
32,0	80,6	139,6	21 000	21 000						32,0
34,0	79,7	139,2	20 600	20 600						34,0
36,0	78,9	138,7	20 200	20 200	82,8	138,4	17 700	17 700		36,0
38,0	78,0	138,1	19 800	19 800	82,0	137,9	17 300	17 300		38,0
40,0	77,2	137,6	19 400	19 400	81,1	137,4	17 000	17 000		40,0
42,0	76,3	137,0	19 000	19 000	80,3	136,9	16 700	16 700		42,0
44,0	75,5	136,4	18 600	18 600	79,4	136,3	16 400	16 400		44,0
46,0	74,6	135,7	18 300	18 300	78,5	135,7	16 100	16 100		46,0
48,0	73,7	135,0	17 900	17 900	77,7	135,1	15 800	15 800		48,0
50,0	72,9	134,3	17 600	17 600	76,8	134,4	15 500	15 500		50,0
52,0	72,0	133,6	17 200	17 200	75,9	133,8	15 200	15 200		52,0
54,0	71,1	132,8	16 900	16 900	75,0	133,0	15 000	15 000		54,0
56,0	70,2	131,9	16 500	16 500	74,2	132,3	14 700	14 700		56,0
58,0	69,3	131,1	16 200	16 200	73,3	131,5	14 400	14 400		58,0
60,0	68,4	130,2	15 900	15 900	72,4	130,6	14 200	14 200		60,0
62,0	67,5	129,2	15 600	15 600	71,5	129,8	13 900	13 900		62,0
64,0	66,6	128,3	15 300	15 300	70,6	128,8	13 700	13 700		64,0
66,0	65,7	127,2	15 000	15 000	69,6	127,9	13 400	13 400		66,0
68,0	64,8	126,2	14 700	14 700	68,7	126,9	13 100	13 100		68,0
70,0	63,8	125,1	14 500	14 500	67,8	125,9	12 800	12 800		70,0
72,0	62,9	123,9	14 100	14 200	66,9	124,8	12 600	12 600		72,0
74,0	61,9	122,7	13 000	13 900	65,9	123,7	12 300	12 300		74,0
76,0	61,0	121,5	11 300	13 700	65,0	122,5	12 100	12 100		76,0
78,0	60,0	120,2	9 700	13 700	64,0	121,3	11 800	11 800		78,0
80,0	59,0	118,9	8 100	13 200	63,0	120,1	11 600	11 600		80,0
82,0	58,0	117,5	6 700	13 000	62,0	118,8	11 300	11 400		82,0
84,0	57,0	116,1	5 300	12 700	61,0	117,4	10 600	11 200		84,0
86,0	56,0	114,6	3 900	12 500	60,0	116,0	9 000	10 900		86,0
88,0	55,0	113,1		12 300	59,0	114,6	7 600	10 700		88,0
90,0	53,9	111,4		12 100	58,0	113,1	6 100	10 500		90,0
94,0	51,8	108,1		11 700	56,9	111,5	4 800	10 300		94,0
98,0	49,5	104,4		11 300	55,9	109,9		10 200		98,0
102,0	47,2	100,4		10 900	53,7	106,4		9 800		102,0
106,0	44,8	96,1		10 600	51,4	102,7		9 500		106,0
110,0	42,3	91,4		10 300	49,1	98,7		9 200		110,0
114,0	39,6	86,3		10 000	46,6	94,3		9 000		114,0
118,0	36,8	80,6		9 300	44,0	89,5		8 700		118,0
122,0	33,7	74,2		7 700	41,3	84,2		8 500		122,0
126,0	30,3	66,9		6 100	38,4	78,3		8 300		126,0
130,0	26,4	58,4		4 300	35,2	71,8		8 000		130,0
					31,6	64,2		6 600		

MLC650 VPC-MAX S-1

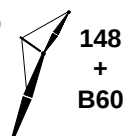
ASME B30.5



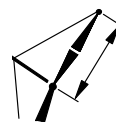
	10°					20°				
19,8	82,6	87,3	19 000b	19 000b						19,8
20,0	82,4	87,3	18 900b	18 900b						20,0
22,0	81,1	86,8	18 100b	18 100b						22,0
24,0	79,7	86,3	17 300	17 300						24,0
26,0	78,3	85,7	16 600	16 600						26,0
28,0	76,9	85,1	15 900	15 900	82,7	84,9	14 300b	14 300b		28,0
30,0	75,5	84,4	15 300	15 300	79,9	83,6	13 700	13 700		30,0
32,0	74,1	83,7	14 600	14 600	78,4	82,8	13 100	13 100		32,0
34,0	72,7	82,9	14 000	14 000	77,0	82,0	12 600	12 600		34,0
36,0	71,2	82,1	13 400	13 400	75,5	81,2	12 100	12 100		36,0
38,0	69,8	81,2	12 800	12 800	74,0	80,3	11 600	11 600		38,0
40,0	68,3	80,2	12 300	12 300	72,5	79,3	11 200	11 200		40,0
42,0	66,8	79,2	11 800	11 800	71,0	78,3	10 700	10 700		42,0
44,0	65,3	78,1	11 300	11 300	69,5	77,1	10 300	10 300		44,0
46,0	63,8	76,9	10 800	10 800	67,9	76,0	9 900	9 900		46,0
48,0	62,2	75,7	10 400	10 400	66,3	74,7	9 600	9 600		48,0
50,0	60,6	74,4	10 000	10 000	64,7	73,4	9 200	9 200		50,0
52,0	59,0	73,0	9 600	9 600	63,1	71,9	8 900	8 900		52,0
54,0	57,3	71,5	9 300	9 300	61,4	70,4	8 600	8 600		54,0
56,0	55,6	69,9	8 900	8 900	59,7	68,8	8 200	8 200		56,0
58,0	53,9	68,2	8 500	8 500	57,9	67,1	8 000	8 000		58,0
60,0	52,1	66,4	8 200	8 200	56,1	65,3	7 700	7 700		60,0
62,0	50,3	64,5	7 900	7 900	54,2	63,3	7 400	7 400		62,0
64,0	48,4	62,5	7 600	7 600	52,3	61,3	7 200	7 200		64,0
66,0	46,4	60,3	7 300	7 300	50,3	59,0	6 900	6 900		66,0
68,0	44,3	57,9	7 100	7 100	48,2	56,6	6 700	6 700		68,0
70,0	42,2	55,4	6 900	6 900	46,0	54,1	6 500	6 500		70,0
72,0	40,0	52,7	6 600	6 600	43,7	51,3	6 300	6 300		72,0
74,0	37,6	49,7	6 400	6 400	41,2	48,2	6 100	6 100		74,0
76,0	35,0	46,5	6 200	6 200	38,6	44,8	6 000	6 000		76,0
78,0	32,3	42,8	6 000	6 000	35,7	41,0	5 800	5 800		78,0
80,0	29,2	38,7	5 800	5 800	32,5	36,7	5 700	5 700		80,0
82,0	25,8	33,9	5 600	5 600	28,8	31,5	5 600	5 600		82,0
84,0	21,7	28,1	5 500	5 500			5 500	5 500		84,0

MLC650 VPC-MAX S-1

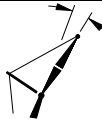
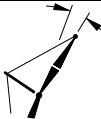
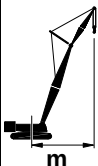
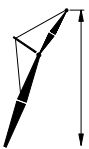
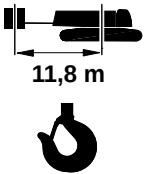
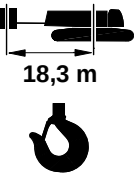
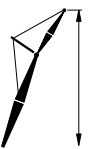
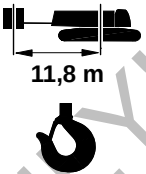
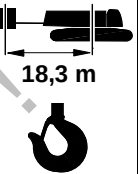
ASME B30.5



50,0 m

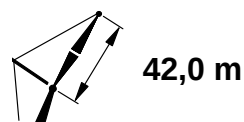
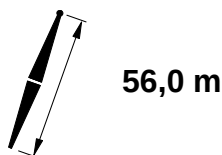
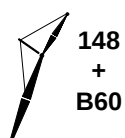


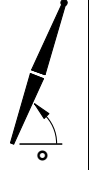
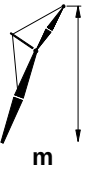
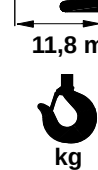
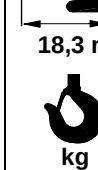
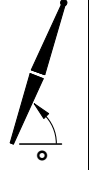
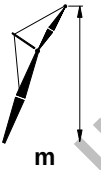
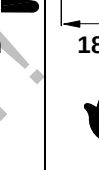
42,0 m

	 10°				 20°					
	 m	 °	 m	 11,8 m kg	 18,3 m kg	 °	 m	 11,8 m kg		 18,3 m kg
21,3	82,1	93,1	18 700	18 700						21,3
22,0	81,7	92,9	18 400	18 400						22,0
24,0	80,4	92,5	17 700	17 700						24,0
26,0	79,1	91,9	17 000	17 000						26,0
28,0	77,8	91,4	16 300	16 300	81,9	90,4	13 900	13 900		28,0
30,0	76,5	90,7	15 700	15 700	80,6	89,8	13 400	13 400		30,0
32,0	75,2	90,1	15 100	15 100	79,2	89,1	12 900	12 900		32,0
34,0	73,9	89,3	14 500	14 500	77,9	88,4	12 400	12 400		34,0
36,0	72,5	88,5	13 900	13 900	76,5	87,6	11 900	11 900		36,0
38,0	71,2	87,7	13 400	13 400	75,2	86,8	11 500	11 500		38,0
40,0	69,8	86,8	12 800	12 800	73,8	85,9	11 100	11 100		40,0
42,0	68,4	85,9	12 300	12 300	72,4	84,9	10 700	10 700		42,0
44,0	67,1	84,9	11 900	11 900	71,0	83,9	10 300	10 300		44,0
46,0	65,6	83,8	11 400	11 400	69,6	82,8	9 900	9 900		46,0
48,0	64,2	82,7	11 000	11 000	68,1	81,6	9 600	9 600		48,0
50,0	62,8	81,5	10 600	10 600	66,6	80,4	9 300	9 300		50,0
52,0	61,3	80,2	10 200	10 200	65,1	79,1	9 000	9 000		52,0
54,0	59,8	78,8	9 800	9 800	63,6	77,8	8 600	8 600		54,0
56,0	58,3	77,4	9 500	9 500	62,1	76,3	8 400	8 400		56,0
58,0	56,7	75,9	9 100	9 100	60,5	74,8	8 100	8 100		58,0
60,0	55,1	74,3	8 800	8 800	58,9	73,2	7 800	7 800		60,0
62,0	53,5	72,6	8 500	8 500	57,2	71,4	7 600	7 600		62,0
64,0	51,8	70,8	8 200	8 200	55,5	69,6	7 300	7 300		64,0
66,0	50,1	68,9	7 900	7 900	53,8	67,7	7 100	7 100		66,0
68,0	48,3	66,9	7 600	7 600	52,0	65,6	6 900	6 900		68,0
70,0	46,5	64,7	7 400	7 400	50,1	63,4	6 700	6 700		70,0
72,0	44,6	62,4	7 100	7 100	48,2	61,1	6 500	6 500		72,0
74,0	42,6	60,0	6 900	6 900	46,1	58,6	6 300	6 300		74,0
76,0	40,6	57,3	6 700	6 700	44,0	55,8	6 200	6 200		76,0
78,0	38,4	54,5	6 500	6 500	41,8	52,9	6 000	6 000		78,0
80,0	36,1	51,4	6 300	6 300	39,4	49,7	5 900	5 900		80,0
82,0	33,6	48,0	6 100	6 100	36,9	46,1	5 700	5 700		82,0
84,0	31,0	44,2	5 900	5 900	34,1	42,2	5 600	5 600		84,0
86,0	28,0	39,9	5 700	5 700	30,9	37,6	5 500	5 500		86,0
88,0	24,7	34,9	5 600	5 600	27,3	32,2	5 400	5 400		88,0
90,0	20,7	28,8	5 500	5 500						90,0

MLC650 VPC-MAX S-1

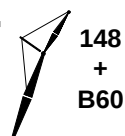
ASME B30.5



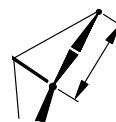
	10°				20°					
										
	m	°	m	kg	kg	°	m	kg	kg	m
21,3		82,6	99,2	18 900	18 900					21,3
22,0		82,2	99,1	18 700	18 700					22,0
24,0		81,0	98,6	18 000	18 000					24,0
26,0		79,8	98,1	17 400	17 400					26,0
28,0		78,6	97,6	16 700	16 700					28,0
30,0		77,4	97,0	16 100	16 100	82,4	96,6	14 100	14 100	30,0
32,0		76,1	96,4	15 500	15 500	81,2	96,0	13 600	13 600	32,0
34,0		74,9	95,7	14 900	14 900	79,9	95,4	13 100	13 100	34,0
36,0		73,7	95,0	14 400	14 400	78,7	94,7	12 700	12 700	36,0
38,0		72,4	94,2	13 800	13 800	77,4	94,0	12 200	12 200	38,0
40,0		71,1	93,4	13 300	13 300	76,2	93,2	11 800	11 800	40,0
42,0		69,9	92,5	12 900	12 900	74,9	92,4	11 400	11 400	42,0
44,0		68,6	91,6	12 400	12 400	73,6	91,5	11 000	11 000	44,0
46,0		67,3	90,6	11 900	11 900	72,3	90,5	10 600	10 600	46,0
48,0		66,0	89,5	11 500	11 500	71,0	89,5	10 300	10 300	48,0
50,0		64,6	88,4	11 100	11 100	69,6	88,5	10 000	10 000	50,0
52,0		63,3	87,2	10 700	10 700	68,3	87,3	9 600	9 600	52,0
54,0		61,9	86,0	10 300	10 300	66,9	86,2	9 300	9 300	54,0
56,0		60,5	84,7	10 000	10 000	65,5	84,9	9 000	9 000	56,0
58,0		59,1	83,3	9 600	9 600	64,1	83,6	8 700	8 700	58,0
60,0		57,7	81,9	9 300	9 300	62,7	82,2	8 500	8 500	60,0
62,0		56,2	80,4	9 000	9 000	61,2	80,7	8 200	8 200	62,0
64,0		54,7	78,8	8 700	8 700	59,7	79,2	8 000	8 000	64,0
66,0		53,2	77,1	8 400	8 400	58,2	77,6	7 700	7 700	66,0
68,0		51,6	75,3	8 100	8 100	56,6	75,8	7 500	7 500	68,0
70,0		50,0	73,4	7 900	7 900	55,0	74,0	7 300	7 300	70,0
72,0		48,3	71,4	7 600	7 600	53,4	72,1	7 100	7 100	72,0
74,0		46,6	69,2	7 400	7 400	51,7	70,0	6 900	6 900	74,0
76,0		44,9	67,0	7 200	7 200	50,0	67,9	6 700	6 700	76,0
78,0		43,0	64,6	6 900	6 900	48,2	65,6	6 500	6 500	78,0
80,0		41,1	62,0	6 700	6 700	46,3	63,1	6 400	6 400	80,0
82,0		39,1	59,2	6 500	6 500	44,4	60,4	6 200	6 200	82,0
84,0		37,0	56,3	6 300	6 300	42,3	57,6	6 100	6 100	84,0
86,0		34,8	53,0	6 200	6 200	40,1	54,5	5 900	5 900	86,0
88,0		32,4	49,5	6 000	6 000	37,8	51,2	5 800	5 800	88,0
90,0		29,8	45,5	5 800	5 800	35,4	47,5	5 700	5 700	90,0
94,0		23,7	35,9	5 600	5 600	32,6	43,3	5 600	5 600	94,0
						26,1	33,0	5 400	5 400	

MLC650 VPC-MAX S-1

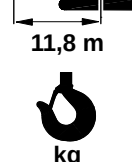
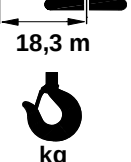
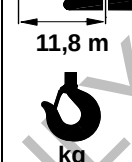
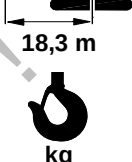
ASME B30.5



62,0 m

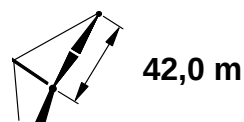
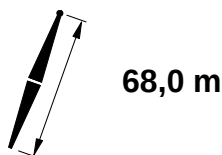
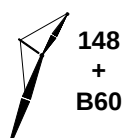


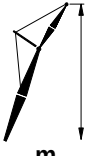
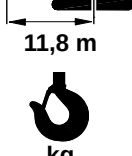
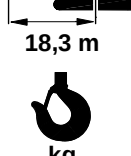
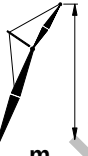
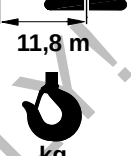
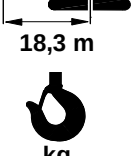
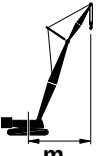
42,0 m

	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
22,9	82,2	105,0	18 600	18 600						22,9
24,0	81,5	104,8	18 300	18 300						24,0
26,0	80,4	104,3	17 700	17 700						26,0
28,0	79,3	103,8	17 000	17 000						28,0
30,0	78,1	103,2	16 500	16 500						30,0
32,0	77,0	102,7	15 900	15 900	81,7	102,2	13 800	13 800		32,0
34,0	75,8	102,0	15 300	15 300	79,4	101,0	12 900	12 900		34,0
36,0	74,7	101,3	14 800	14 800	78,2	100,3	12 500	12 500		36,0
38,0	73,5	100,6	14 300	14 300	77,0	99,6	12 100	12 100		38,0
40,0	72,3	99,8	13 800	13 800	75,8	98,8	11 700	11 700		40,0
42,0	71,1	99,0	13 300	13 300	74,6	98,0	11 300	11 300		42,0
44,0	69,9	98,2	12 900	12 900	73,4	97,1	10 900	10 900		44,0
46,0	68,7	97,2	12 400	12 400	72,2	96,2	10 600	10 600		46,0
48,0	67,5	96,3	12 000	12 000	70,9	95,2	10 300	10 300		48,0
50,0	66,2	95,2	11 600	11 600	69,7	94,1	9 900	9 900		50,0
52,0	65,0	94,2	11 200	11 200	68,4	93,1	9 600	9 600		52,0
54,0	63,7	93,0	10 800	10 800	67,1	91,9	9 400	9 400		54,0
56,0	62,4	91,8	10 500	10 500	65,8	90,7	9 100	9 100		56,0
58,0	61,1	90,6	10 100	10 100	64,5	89,4	8 800	8 800		58,0
60,0	59,8	89,2	9 800	9 800	63,2	88,1	8 600	8 600		60,0
62,0	58,5	87,8	9 500	9 500	61,8	86,7	8 300	8 300		62,0
64,0	57,1	86,4	9 200	9 200	60,4	85,2	8 100	8 100		64,0
66,0	55,7	84,8	8 900	8 900	59,0	83,6	7 800	7 800		66,0
68,0	54,3	83,2	8 600	8 600	57,6	82,0	7 600	7 600		68,0
70,0	52,9	81,5	8 300	8 300	56,1	80,2	7 400	7 400		70,0
72,0	51,4	79,7	8 100	8 100	54,6	78,4	7 200	7 200		72,0
74,0	49,9	77,8	7 900	7 900	53,1	76,5	7 000	7 000		74,0
76,0	48,3	75,8	7 600	7 600	51,5	74,5	6 800	6 800		76,0
78,0	46,7	73,7	7 400	7 400	49,9	72,3	6 700	6 700		78,0
80,0	45,1	71,5	7 200	7 200	48,2	70,0	6 500	6 500		80,0
82,0	43,4	69,1	7 000	7 000	46,4	67,6	6 400	6 400		82,0
84,0	41,6	66,6	6 800	6 800	44,6	65,0	6 200	6 200		84,0
86,0	39,8	63,9	6 600	6 600	42,7	62,3	6 100	6 100		86,0
88,0	37,8	61,1	6 400	6 400	40,7	59,3	6 000	6 000		88,0
90,0	35,8	58,0	6 200	6 200	38,6	56,1	5 800	5 800		90,0
94,0	31,3	50,9	5 900	5 900	34,0	48,8	5 600	5 600		94,0
98,0	26,1	42,2	4 200	5 600	28,4	39,6	4 900	5 500		98,0
102,0	19,2	30,3		5 400						102,0

MLC650 VPC-MAX S-1

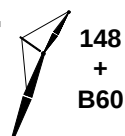
ASME B30.5



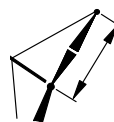
	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
22,9	82,6	111,1	18 800	18 800						22,9
24,0	82,0	110,9	18 500	18 500						24,0
26,0	80,9	110,4	17 900	17 900						26,0
28,0	79,9	110,0	17 300	17 300						28,0
30,0	78,8	109,5	16 800	16 800						30,0
32,0	77,7	108,9	16 200	16 200	82,2	108,4	14 000	14 000		32,0
34,0	76,6	108,3	15 700	15 700	81,1	107,9	13 500	13 500		34,0
36,0	75,5	107,7	15 200	15 200	80,0	107,3	13 100	13 100		36,0
38,0	74,4	107,0	14 700	14 700	78,9	106,6	12 700	12 700		38,0
40,0	73,3	106,3	14 200	14 200	77,8	105,9	12 300	12 300		40,0
42,0	72,2	105,5	13 700	13 700	76,6	105,2	11 900	11 900		42,0
44,0	71,1	104,7	13 300	13 300	75,5	104,4	11 600	11 600		44,0
46,0	69,9	103,8	12 800	12 800	74,4	103,6	11 200	11 200		46,0
48,0	68,8	102,9	12 400	12 400	73,2	102,7	10 900	10 900		48,0
50,0	67,7	102,0	12 000	12 000	72,1	101,8	10 600	10 600		50,0
52,0	66,5	101,0	11 600	11 600	70,9	100,8	10 300	10 300		52,0
54,0	65,3	99,9	11 300	11 300	69,7	99,8	10 000	10 000		54,0
56,0	64,1	98,8	10 900	10 900	68,5	98,8	9 700	9 700		56,0
58,0	62,9	97,6	10 600	10 600	67,3	97,6	9 400	9 400		58,0
60,0	61,7	96,4	10 300	10 300	66,1	96,4	9 100	9 100		60,0
62,0	60,5	95,1	10 000	10 000	64,9	95,2	8 900	8 900		62,0
64,0	59,2	93,8	9 700	9 700	63,6	93,9	8 600	8 600		64,0
66,0	57,9	92,3	9 400	9 400	62,4	92,5	8 400	8 400		66,0
68,0	56,6	90,9	9 100	9 100	61,1	91,1	8 200	8 200		68,0
70,0	55,3	89,3	8 800	8 800	59,8	89,6	8 000	8 000		70,0
72,0	54,0	87,7	8 500	8 500	58,4	88,0	7 700	7 700		72,0
74,0	52,6	86,0	8 300	8 300	57,1	86,4	7 500	7 500		74,0
76,0	51,2	84,2	8 100	8 100	55,7	84,6	7 400	7 400		76,0
78,0	49,8	82,3	7 800	7 800	54,2	82,8	7 200	7 200		78,0
80,0	48,3	80,3	7 600	7 600	52,8	80,9	7 000	7 000		80,0
82,0	46,8	78,2	7 400	7 400	51,3	78,9	6 800	6 800		82,0
84,0	45,3	76,0	7 200	7 200	49,8	76,8	6 700	6 700		84,0
86,0	43,7	73,7	7 000	7 000	48,2	74,5	6 500	6 500		86,0
88,0	42,0	71,2	6 800	6 800	46,5	72,1	6 400	6 400		88,0
90,0	40,3	68,6	6 600	6 600	44,9	69,6	6 200	6 200		90,0
94,0	36,6	62,8	5 200	6 300	43,1	66,9	6 100	6 100		94,0
98,0	32,6	56,1		6 000	39,3	61,0	5 900	5 900		98,0
102,0	27,9	48,1		5 700	35,1	54,0	4 300	5 700		102,0
106,0	22,2	37,8		5 500	30,2	45,6		5 500		106,0

MLC650 VPC-MAX S-1

ASME B30.5



74,0 m

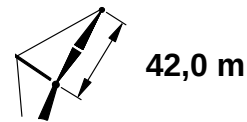
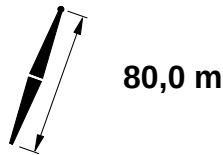


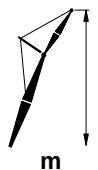
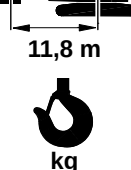
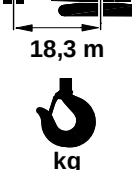
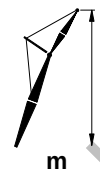
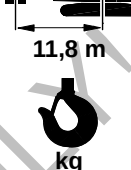
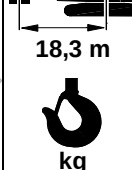
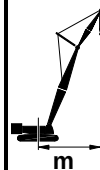
42,0 m

	10°				20°				
	 m	 °	 m	 kg	 kg	 m	 kg	 kg	
22,9	83,0	117,2	19 000	19 000					22,9
24,0	82,4	117,0	18 600	18 600					24,0
26,0	81,4	116,6	18 100	18 100					26,0
28,0	80,4	116,1	17 500	17 500					28,0
30,0	79,4	115,7	17 000	17 000					30,0
32,0	78,4	115,1	16 500	16 500	81,6	114,1	13 700	13 700	32,0
34,0	77,3	114,6	16 000	16 000	80,5	113,5	13 300	13 300	34,0
36,0	76,3	114,0	15 500	15 500	79,5	112,9	12 900	12 900	36,0
38,0	75,3	113,3	15 000	15 000	78,4	112,2	12 500	12 500	38,0
40,0	74,2	112,6	14 500	14 500	77,4	111,5	12 200	12 200	40,0
42,0	73,2	111,9	14 100	14 100	76,3	110,8	11 800	11 800	42,0
44,0	72,1	111,1	13 700	13 700	75,3	110,0	11 500	11 500	44,0
46,0	71,1	110,3	13 200	13 200	74,2	109,2	11 100	11 100	46,0
48,0	70,0	109,5	12 800	12 800	73,1	108,4	10 800	10 800	48,0
50,0	68,9	108,6	12 500	12 500	72,0	107,4	10 500	10 500	50,0
52,0	67,8	107,6	12 100	12 100	70,9	106,5	10 200	10 200	52,0
54,0	66,7	106,7	11 700	11 700	69,8	105,5	10 000	10 000	54,0
56,0	65,6	105,6	11 400	11 400	68,7	104,4	9 700	9 700	56,0
58,0	64,5	104,5	11 000	11 000	67,5	103,3	9 400	9 400	58,0
60,0	63,3	103,4	10 700	10 700	66,4	102,2	9 200	9 200	60,0
62,0	62,2	102,2	10 400	10 400	65,2	101,0	9 000	9 000	62,0
64,0	61,0	101,0	10 100	10 100	64,0	99,7	8 700	8 700	64,0
66,0	59,8	99,6	9 800	9 800	62,8	98,4	8 500	8 500	66,0
68,0	58,6	98,3	9 500	9 500	61,6	97,0	8 300	8 300	68,0
70,0	57,4	96,8	9 300	9 300	60,4	95,6	8 100	8 100	70,0
72,0	56,2	95,4	9 000	9 000	59,1	94,0	7 900	7 900	72,0
74,0	54,9	93,8	8 700	8 700	57,9	92,5	7 700	7 700	74,0
76,0	53,7	92,2	8 500	8 500	56,6	90,8	7 500	7 500	76,0
78,0	52,4	90,4	8 300	8 300	55,3	89,1	7 300	7 300	78,0
80,0	51,0	88,7	8 000	8 000	53,9	87,2	7 100	7 100	80,0
82,0	49,7	86,8	7 800	7 800	52,5	85,3	7 000	7 000	82,0
84,0	48,3	84,8	7 600	7 600	51,1	83,3	6 800	6 800	84,0
86,0	46,9	82,7	7 300	7 400	49,7	81,2	6 700	6 700	86,0
88,0	45,4	80,6	6 300	7 200	48,2	79,0	6 500	6 500	88,0
90,0	43,9	78,3	5 300	7 100	46,6	76,7	6 400	6 400	90,0
94,0	40,8	73,3	3 300	6 700	43,4	71,6	4 600	6 100	94,0
98,0	37,4	67,7		6 400	39,9	65,8		5 900	98,0
102,0	33,6	61,3		6 100	36,1	59,2		5 700	102,0
106,0	29,4	53,7		5 800	31,7	51,3		5 600	106,0
110,0	24,4	44,4		5 600					110,0
114,0	17,9	31,8		5 400					114,0

MLC650 VPC-MAX S-1

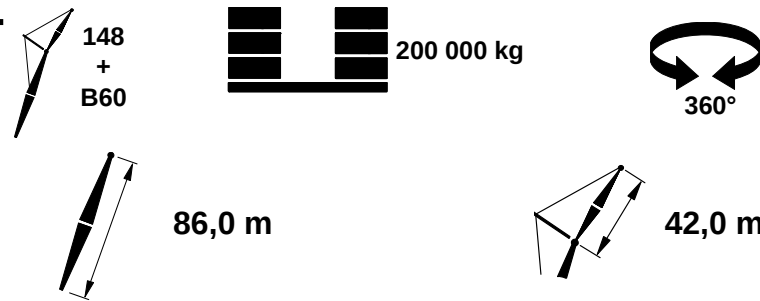
ASME B30.5

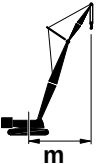
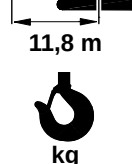
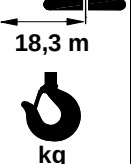
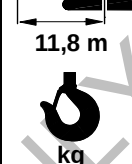
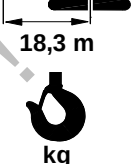


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
24,4	82,6	123,0	18 700	18 700						24,4
26,0	81,8	122,7	18 300	18 300						26,0
28,0	80,9	122,3	17 700	17 700						28,0
30,0	79,9	121,8	17 200	17 200						30,0
32,0	78,9	121,3	16 700	16 700						32,0
34,0	78,0	120,8	16 300	16 300	82,0	120,2	13 900	13 900		34,0
36,0	77,0	120,2	15 800	15 800	81,0	119,7	13 500	13 500		36,0
38,0	76,0	119,6	15 300	15 300	80,0	119,1	13 100	13 100		38,0
40,0	75,0	119,0	14 900	14 900	79,0	118,5	12 700	12 700		40,0
42,0	74,0	118,3	14 400	14 400	78,0	117,8	12 400	12 400		42,0
44,0	73,0	117,6	14 000	14 000	77,0	117,2	12 000	12 000		44,0
46,0	72,0	116,8	13 600	13 600	76,0	116,4	11 700	11 700		46,0
48,0	71,0	116,0	13 200	13 200	75,0	115,7	11 400	11 400		48,0
50,0	70,0	115,2	12 800	12 800	74,0	114,8	11 100	11 100		50,0
52,0	69,0	114,3	12 500	12 500	73,0	114,0	10 800	10 800		52,0
54,0	67,9	113,3	12 100	12 100	71,9	113,1	10 500	10 500		54,0
56,0	66,9	112,4	11 800	11 800	70,9	112,2	10 200	10 200		56,0
58,0	65,8	111,3	11 400	11 400	69,8	111,2	10 000	10 000		58,0
60,0	64,8	110,3	11 100	11 100	68,8	110,1	9 700	9 700		60,0
62,0	63,7	109,2	10 800	10 800	67,7	109,1	9 500	9 500		62,0
64,0	62,6	108,0	10 500	10 500	66,6	107,9	9 200	9 200		64,0
66,0	61,5	106,8	10 200	10 200	65,5	106,7	9 000	9 000		66,0
68,0	60,4	105,5	9 900	9 900	64,4	105,5	8 800	8 800		68,0
70,0	59,3	104,2	9 600	9 600	63,3	104,2	8 600	8 600		70,0
72,0	58,1	102,8	9 400	9 400	62,1	102,9	8 300	8 300		72,0
74,0	57,0	101,3	9 200	9 200	61,0	101,5	8 200	8 200		74,0
76,0	55,8	99,8	8 900	8 900	59,8	100,0	8 000	8 000		76,0
78,0	54,6	98,3	8 700	8 700	58,6	98,5	7 800	7 800		78,0
80,0	53,4	96,6	8 500	8 500	57,4	96,9	7 600	7 600		80,0
82,0	52,2	94,9	8 200	8 200	56,1	95,2	7 400	7 400		82,0
84,0	50,9	93,1	7 200	8 000	54,9	93,5	7 300	7 300		84,0
86,0	49,6	91,2	6 100	7 800	53,6	91,7	7 100	7 100		86,0
88,0	48,3	89,3	5 000	7 600	52,3	89,8	7 000	7 000		88,0
90,0	47,0	87,2	3 900	7 400	51,0	87,8	6 600	6 800		90,0
94,0	44,2	82,8		7 100	49,6	85,7	5 600	6 600		94,0
98,0	41,2	77,9		6 700	46,7	81,2	3 400	6 400		98,0
102,0	38,0	72,4		6 400	43,7	76,2		6 200		102,0
106,0	34,6	66,3		6 100	40,4	70,6		5 900		106,0
110,0	30,7	59,1		5 900	36,9	64,2		5 700		110,0
114,0	26,3	50,6		5 600	32,9	56,7		5 600		114,0
118,0	20,8	39,7		5 500	28,2	47,8		5 500		118,0

MLC650 VPC-MAX S-1

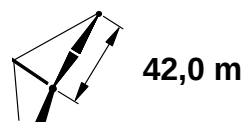
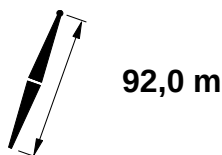
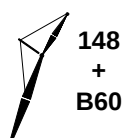
ASME B30.5

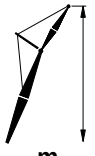
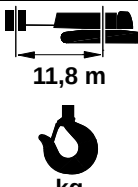
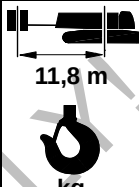
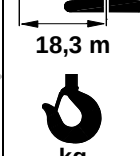


	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
24,4	83,0	129,1	18 800	18 800						24,4
26,0	82,2	128,8	18 400	18 400						26,0
28,0	81,3	128,4	17 900	17 900						28,0
30,0	80,4	128,0	17 400	17 400						30,0
32,0	79,5	127,5	17 000	17 000						32,0
34,0	78,6	127,0	16 500	16 500	82,4	126,4	14 000	14 000		34,0
36,0	77,6	126,5	16 100	16 100	80,5	125,3	13 200	13 200		36,0
38,0	76,7	125,9	15 600	15 600	79,6	124,7	12 900	12 900		38,0
40,0	75,8	125,3	15 200	15 200	78,6	124,1	12 600	12 600		40,0
42,0	74,8	124,6	14 800	14 800	77,7	123,5	12 200	12 200		42,0
44,0	73,9	123,9	14 400	14 400	76,7	122,8	11 900	11 900		44,0
46,0	72,9	123,2	14 000	14 000	75,8	122,0	11 600	11 600		46,0
48,0	72,0	122,5	13 600	13 600	74,8	121,3	11 300	11 300		48,0
50,0	71,0	121,7	13 200	13 200	73,8	120,5	11 000	11 000		50,0
52,0	70,0	120,8	12 800	12 800	72,8	119,6	10 800	10 800		52,0
54,0	69,1	119,9	12 500	12 500	71,9	118,7	10 500	10 500		54,0
56,0	68,1	119,0	12 100	12 100	70,9	117,8	10 200	10 200		56,0
58,0	67,1	118,1	11 800	11 800	69,9	116,8	10 000	10 000		58,0
60,0	66,1	117,1	11 500	11 500	68,8	115,8	9 700	9 700		60,0
62,0	65,1	116,0	11 200	11 200	67,8	114,8	9 500	9 500		62,0
64,0	64,0	114,9	10 900	10 900	66,8	113,7	9 300	9 300		64,0
66,0	63,0	113,8	10 600	10 600	65,8	112,5	9 000	9 000		66,0
68,0	62,0	112,6	10 300	10 300	64,7	111,3	8 800	8 800		68,0
70,0	60,9	111,3	10 100	10 100	63,6	110,0	8 600	8 600		70,0
72,0	59,9	110,1	9 800	9 800	62,6	108,7	8 400	8 400		72,0
74,0	58,8	108,7	9 600	9 600	61,5	107,4	8 200	8 200		74,0
76,0	57,7	107,3	9 300	9 300	60,4	106,0	8 100	8 100		76,0
78,0	56,6	105,8	9 100	9 100	59,2	104,5	7 900	7 900		78,0
80,0	55,5	104,3	8 800	8 800	58,1	102,9	7 700	7 700		80,0
82,0	54,3	102,7	8 600	8 600	56,9	101,3	7 500	7 500		82,0
84,0	53,2	101,1	8 300	8 400	55,8	99,7	7 400	7 400		84,0
86,0	52,0	99,4	7 100	8 200	54,6	97,9	7 200	7 200		86,0
88,0	50,8	97,6	5 900	8 000	53,3	96,1	7 100	7 100		88,0
90,0	49,5	95,7	4 700	7 800	52,1	94,2	6 700	6 900		90,0
94,0	47,0	91,7		7 400	49,5	90,1	4 400	6 700		94,0
98,0	44,4	87,3		7 100	46,8	85,7		6 400		98,0
102,0	41,6	82,5		6 800	44,0	80,8		6 200		102,0
106,0	38,6	77,2		6 500	40,9	75,3		6 000		106,0
110,0	35,4	71,2		6 200	37,6	69,1		5 800		110,0
114,0	31,8	64,4		5 900	33,9	62,0		5 600		114,0
118,0	27,8	56,4		5 700	29,7	53,7		5 500		118,0
122,0	23,1	46,6		5 500						122,0
126,0	16,9	33,2		5 400						126,0

MLC650 VPC-MAX S-1

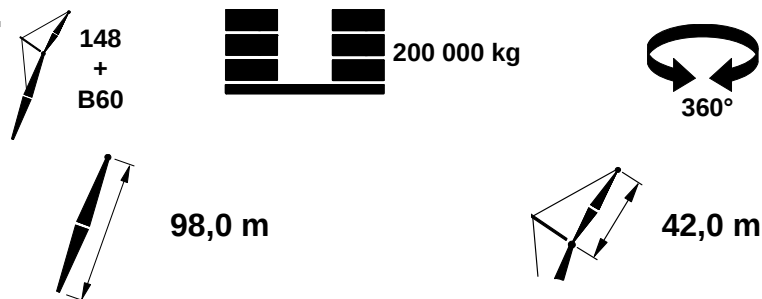
ASME B30.5

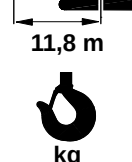
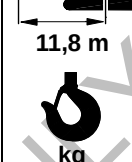
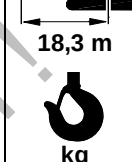


	10°				20°					
										
	m	°	m	kg	kg	°	m	kg	kg	m
25,9	82,6	134,9	18 500	18 500						25,9
26,0	82,6	134,9	18 500	18 500						26,0
28,0	81,7	134,5	18 100	18 100						28,0
30,0	80,8	134,1	17 600	17 600						30,0
32,0	80,0	133,6	17 200	17 200						32,0
34,0	79,1	133,2	16 700	16 700	82,7	132,5	14 100	14 100		34,0
36,0	78,2	132,6	16 300	16 300	81,0	131,5	13 400	13 400		36,0
38,0	77,3	132,1	15 800	15 800	80,1	130,9	13 100	13 100		38,0
40,0	76,4	131,5	15 500	15 500	79,2	130,3	12 700	12 700		40,0
42,0	75,5	130,9	15 000	15 000	78,3	129,7	12 400	12 400		42,0
44,0	74,6	130,2	14 600	14 600	77,3	129,1	12 100	12 100		44,0
46,0	73,7	129,6	14 300	14 300	76,4	128,4	11 800	11 800		46,0
48,0	72,8	128,8	13 900	13 900	75,5	127,6	11 500	11 500		48,0
50,0	71,9	128,1	13 500	13 500	74,6	126,9	11 200	11 200		50,0
52,0	71,0	127,3	13 200	13 200	73,7	126,1	11 000	11 000		52,0
54,0	70,1	126,5	12 800	12 800	72,7	125,2	10 700	10 700		54,0
56,0	69,1	125,6	12 500	12 500	71,8	124,4	10 500	10 500		56,0
58,0	68,2	124,7	12 200	12 200	70,8	123,4	10 200	10 200		58,0
60,0	67,2	123,7	11 900	11 900	69,9	122,5	10 000	10 000		60,0
62,0	66,3	122,7	11 600	11 600	68,9	121,5	9 700	9 700		62,0
64,0	65,3	121,7	11 300	11 300	67,9	120,4	9 500	9 500		64,0
66,0	64,3	120,6	11 000	11 000	67,0	119,3	9 300	9 300		66,0
68,0	63,4	119,5	10 700	10 700	66,0	118,2	9 100	9 100		68,0
70,0	62,4	118,3	10 400	10 400	65,0	117,0	8 900	8 900		70,0
72,0	61,4	117,1	10 200	10 200	64,0	115,8	8 700	8 700		72,0
74,0	60,4	115,9	9 900	9 900	62,9	114,5	8 500	8 500		74,0
76,0	59,3	114,6	9 700	9 700	61,9	113,2	8 300	8 300		76,0
78,0	58,3	113,2	9 400	9 400	60,9	111,8	8 100	8 100		78,0
80,0	57,3	111,8	9 100	9 200	59,8	110,4	8 000	8 000		80,0
82,0	56,2	110,3	8 200	9 000	58,7	108,9	7 800	7 800		82,0
84,0	55,1	108,8	6 900	8 800	57,6	107,3	7 600	7 600		84,0
86,0	54,0	107,2	5 600	8 600	56,5	105,7	7 400	7 500		86,0
88,0	52,9	105,5	4 400	8 400	55,4	104,1	6 600	7 300		88,0
90,0	51,8	103,8		8 200	54,3	102,3	5 400	7 200		90,0
94,0	49,5	100,1		7 800	51,9	98,6		6 900		94,0
98,0	47,1	96,2		7 500	49,4	94,5		6 700		98,0
102,0	44,5	91,8		7 100	46,9	90,1		6 400		102,0
106,0	41,9	87,1		6 800	44,2	85,3		6 200		106,0
110,0	39,1	81,8		6 500	41,3	79,9		6 000		110,0
114,0	36,0	76,0		6 300	38,2	73,9		5 800		114,0
118,0	32,8	69,4		6 000	34,8	67,1		5 700		118,0
122,0	29,1	61,9		5 800	31,0	59,3		5 500		122,0
126,0	24,9	52,8		5 600	26,5	49,7		5 400		126,0
130,0	19,7	41,3		5 500						130,0

MLC650 VPC-MAX S-1

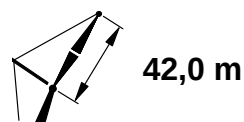
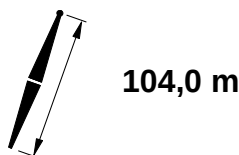
ASME B30.5

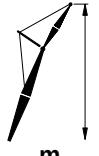
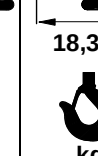
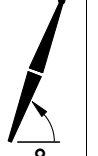
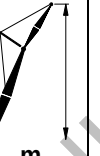


	10°				20°				
									
	m	°	m	kg	kg	°	m	kg	m
25,9	82,9	141,0	18 600	18 600					25,9
26,0	82,9	141,0	18 600	18 600					26,0
28,0	82,1	140,6	18 200	18 200					28,0
30,0	81,2	140,2	17 700	17 700					30,0
32,0	80,4	139,8	17 300	17 300					32,0
34,0	79,6	139,3	16 900	16 900	82,2	138,2	13 800	13 800	34,0
36,0	78,7	138,8	16 500	16 500	81,4	137,7	13 500	13 500	36,0
38,0	77,9	138,3	16 100	16 100	80,5	137,1	13 200	13 200	38,0
40,0	77,0	137,8	15 700	15 700	79,6	136,6	12 900	12 900	40,0
42,0	76,2	137,2	15 300	15 300	78,8	136,0	12 600	12 600	42,0
44,0	75,3	136,5	14 900	14 900	77,9	135,3	12 300	12 300	44,0
46,0	74,4	135,9	14 500	14 500	77,0	134,7	12 000	12 000	46,0
48,0	73,6	135,2	14 200	14 200	76,2	134,0	11 700	11 700	48,0
50,0	72,7	134,5	13 800	13 800	75,3	133,3	11 400	11 400	50,0
52,0	71,8	133,7	13 500	13 500	74,4	132,5	11 200	11 200	52,0
54,0	71,0	132,9	13 200	13 200	73,5	131,7	10 900	10 900	54,0
56,0	70,1	132,1	12 800	12 800	72,6	130,9	10 700	10 700	56,0
58,0	69,2	131,3	12 500	12 500	71,7	130,0	10 400	10 400	58,0
60,0	68,3	130,4	12 200	12 200	70,8	129,1	10 200	10 200	60,0
62,0	67,4	129,4	11 900	11 900	69,9	128,1	10 000	10 000	62,0
64,0	66,5	128,4	11 600	11 600	69,0	127,2	9 800	9 800	64,0
66,0	65,6	127,4	11 300	11 300	68,1	126,1	9 500	9 500	66,0
68,0	64,6	126,4	11 100	11 100	67,1	125,1	9 300	9 300	68,0
70,0	63,7	125,3	10 800	10 800	66,2	124,0	9 100	9 100	70,0
72,0	62,7	124,1	10 500	10 500	65,2	122,8	9 000	9 000	72,0
74,0	61,8	122,9	10 300	10 300	64,3	121,6	8 800	8 800	74,0
76,0	60,8	121,7	10 000	10 000	63,3	120,3	8 600	8 600	76,0
78,0	59,9	120,4	8 800	9 800	62,3	119,1	8 400	8 400	78,0
80,0	58,9	119,1	7 400	9 600	61,3	117,7	8 200	8 200	80,0
82,0	57,9	117,7	6 000	9 400	60,3	116,3	8 100	8 100	82,0
84,0	56,9	116,3	4 700	9 100	59,3	114,9	7 300	7 900	84,0
86,0	55,9	114,8	3 500	8 900	58,3	113,4	6 000	7 700	86,0
88,0	54,8	113,3		8 700	57,2	111,8		7 600	88,0
90,0	53,8	111,7		8 500	56,2	110,2		7 400	90,0
94,0	51,6	108,3		8 100	54,0	106,7		7 100	94,0
98,0	49,4	104,6		7 800	51,7	103,0		6 900	98,0
102,0	47,1	100,7		7 500	49,4	99,0		6 700	102,0
106,0	44,7	96,4		7 200	46,9	94,6		6 400	106,0
110,0	42,2	91,7		6 900	44,4	89,9		6 200	110,0
114,0	39,5	86,5		6 600	41,6	84,6		6 000	114,0
118,0	36,7	80,8		6 300	38,7	78,8		5 800	118,0
122,0	33,6	74,5		6 100	35,6	72,2		5 700	122,0
126,0	30,2	67,3		5 900	32,1	64,7		5 600	126,0
130,0	26,4	58,8		5 700	28,1	55,9		5 400	130,0
134,0	21,9	48,5		5 400					134,0

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	10°					20°				
										
	m	°	m	kg	kg	°	m	kg	kg	m
27,4	82,6	146,8	18 300	18 300						27,4
28,0	82,4	146,7	18 200	18 200						28,0
30,0	81,6	146,3	17 800	17 800						30,0
32,0	80,8	145,9	17 400	17 400						32,0
34,0	80,0	145,5	17 100	17 100						34,0
36,0	79,2	145,0	16 600	16 600	82,5	144,3	13 900	13 900		36,0
38,0	78,4	144,5	16 300	16 300	80,9	143,3	13 300	13 300		38,0
40,0	77,6	144,0	15 900	15 900	80,1	142,8	13 000	13 000		40,0
42,0	76,8	143,4	15 500	15 500	79,3	142,2	12 700	12 700		42,0
44,0	75,9	142,8	15 200	15 200	78,4	141,6	12 400	12 400		44,0
46,0	75,1	142,2	14 800	14 800	77,6	141,0	12 200	12 200		46,0
48,0	74,3	141,5	14 400	14 400	76,8	140,3	11 900	11 900		48,0
50,0	73,5	140,9	14 100	14 100	75,9	139,6	11 600	11 600		50,0
52,0	72,6	140,1	13 800	13 800	75,1	138,9	11 400	11 400		52,0
54,0	71,8	139,4	13 400	13 400	74,3	138,1	11 100	11 100		54,0
56,0	70,9	138,6	13 100	13 100	73,4	137,3	10 900	10 900		56,0
58,0	70,1	137,8	12 800	12 800	72,5	136,5	10 700	10 700		58,0
60,0	69,2	136,9	12 500	12 500	71,7	135,7	10 400	10 400		60,0
62,0	68,4	136,0	12 200	12 200	70,8	134,8	10 200	10 200		62,0
64,0	67,5	135,1	11 900	11 900	69,9	133,8	10 000	10 000		64,0
66,0	66,6	134,1	11 700	11 700	69,1	132,8	9 800	9 800		66,0
68,0	65,8	133,1	11 400	11 400	68,2	131,8	9 600	9 600		68,0
70,0	64,9	132,1	11 100	11 100	67,3	130,8	9 400	9 400		70,0
72,0	64,0	131,0	10 900	10 900	66,4	129,7	9 200	9 200		72,0
74,0	63,1	129,9	10 600	10 600	65,5	128,5	9 000	9 000		74,0
76,0	62,2	128,7	10 400	10 400	64,6	127,4	8 800	8 800		76,0
78,0	61,3	127,5	10 100	10 200	63,6	126,1	8 700	8 700		78,0
80,0	60,3	126,3	9 200	9 900	62,7	124,9	8 500	8 500		80,0
82,0	59,4	125,0	7 800	9 700	61,7	123,6	8 300	8 300		82,0
84,0	58,5	123,6	6 400	9 500	60,8	122,2	8 100	8 100		84,0
86,0	57,5	122,2	5 100	9 300	59,8	120,8	7 600	8 000		86,0
88,0	56,5	120,8	3 800	9 100	58,8	119,3	6 400	7 800		88,0
90,0	55,6	119,3		8 900	57,8	117,8	5 100	7 700		90,0
94,0	53,6	116,1		8 500	55,8	114,6		7 400		94,0
98,0	51,5	112,7		8 100	53,7	111,2		7 100		98,0
102,0	49,4	109,1		7 800	51,6	107,5		6 900		102,0
106,0	47,2	105,1		7 500	49,3	103,5		6 600		106,0
110,0	44,9	100,9		7 200	47,0	99,1		6 400		110,0
114,0	42,5	96,2		6 900	44,6	94,4		6 200		114,0
118,0	39,9	91,2		6 600	42,0	89,2		6 000		118,0
122,0	37,3	85,6		6 400	39,2	83,6		5 900		122,0
126,0	34,4	79,5		6 100	36,3	77,2		5 700		126,0
130,0	31,2	72,5		5 700	33,0	70,0		5 600		130,0
134,0	27,7	64,6		4 000	29,4	61,7		4 700		134,0