

Liftcrane Luffing Jib Capacities

Luffing Jib No. LJ11:500-501 on
 Boom No. B65:505-500
 with Mast No. M11:503
 135 100 kg VPC (Variable Position Counterweight)
 360 Degree Rating

MLC300 VPC-MAX SERIES 1



LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing 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.

Upper luffing jib point capacity for liftcrane service with single part whip line is 16 600 kg or 33 300 kg with two part whip line. In all cases, upper luffing jib point capacities cannot exceed those listed for main luffing jib capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and luffing jib point sheaves is considered part of load. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Operation is only approved for boom and luffing jib angle range shown in capacity chart.

LUFFING JIB BACKWARD STABILITY: Capacities indicated by (b) require 2 270 kg minimum weight suspended beneath luffing jib point, (c) require 4 540 kg minimum weight, and (d) require 9 080 kg minimum weight. **Caution:** Do not luff into areas indicated by (b), (c), or (d) without required minimum weight. Luffing jib may not luff down and luffing jib hoist wire rope may go slack. Luffing jib hoist wire rope may overhaul luffing jib and cause wire rope damage or failure.

OPERATING CONDITIONS: Machine to operate on a firm, level, and uniformly supporting surface. Supporting surface and bearing turntable are to be level within a tolerance of 13 mm in 3 m. Refer to Luffing Jib Rigging **No. 84050217**, Mast Rigging **No. 84045340**, Wire Rope Specifications chart **No. 9668-A**, Counterweight Arrangements chart **No. 9345-A**, Luffing Jib Raising Procedure chart **No. 9665-AM**, and Wind Conditions chart **No. 9667-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 and luffing jib must be within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specifications chart **No. 9666-A**.



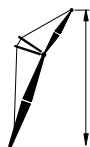
OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle and luffing jib angle are an indication of operating radius. In all cases, operating radius shall govern capacity.



BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts.



LUFFING JIB ANGLE: Luffing jib angle in degrees (°) is angle between horizontal and centerline of luffing jib butt and inserts.



LUFFING JIB POINT ELEVATION: Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

MACHINE EQUIPMENT: Machine equipped with VPC-MAX, 9 700 mm crawlers, 1 219 mm or 1 524 mm treads, 9 144 mm live mast, 30,0 m mast, 10 part boom hoist reeving, boom support straps, 14 part luffing jib hoist reeving, luffing jib and backstay support straps, and 135 100 kg VPC.

Select counterweight position from Luffing Jib Raising Procedure chart **No. 9665-AM** that will allow raising and lowering of boom and luffing jib length. Counterweight position selection may be changed with luffing jib on ground or while luffing jib is within operating range of capacity chart.

Explanation of Symbols



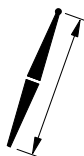
Luffing Jib No. LJ11:500-501
+
Boom No. B65:505-500



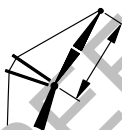
VPC (Variable Position Counterweight)



360 Degree Rating



Boom Length



Luffing Jib Length



Boom Angle
(see page 1)

Explanation of Symbols (continued)



Operating Radius
(see page 1)



Luffing Jib Angle
(see page 1)



Luffing Jib Elevation
(see page 1)



Counterweight Position
from Axis of Rotation



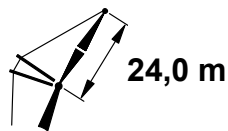
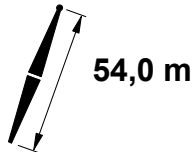
Lifting Capacities
(see page 1)

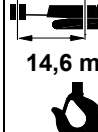
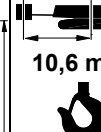
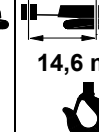
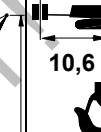
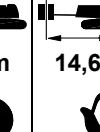
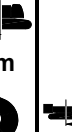
MLC300 VPC-MAX S-1

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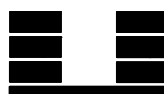
135 100 kg



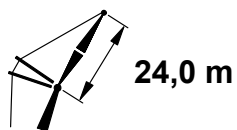
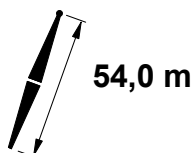
	 85°				 83°				 80°					
 m	 °	 m	 10,6 m kg	 14,6 m kg	 °	 m	 10,6 m kg	 14,6 m kg	 °	 m	 10,6 m kg	 14,6 m kg	 m	
15,2	71,7	78,9	147 200 d	147 200 d										15,2
16,0	69,8	78,6	141 200 d	141 200 d										16,0
18,0	64,5	77,7	123 300 b	123 300 b										18,0
20,0	59,0	76,5	107 900 b	107 900 b	64,2	77,4	117 300 b	134 300 b						20,0
22,0	53,0	75,0	96 400	96 400	58,6	76,2	104 100 b	117 000 b	66,4	77,3	100 400 c	125 500 c		22,0
24,0	46,6	73,2	87 200	87 200	52,7	74,7	93 300	103 600	60,9	76,3	89 900 b	112 600 b		24,0
26,0	39,3	70,9	79 900	79 900	46,2	72,9	84 300	93 300	55,2	74,9	81 300	101 900		26,0
28,0	30,5	67,8	74 400	74 400	38,9	70,5	76 900	85 300	48,9	73,2	74 200	93 200		28,0
30,0	17,7	62,9	68 600	68 600	29,9	67,4	70 600	79 000	42,0	71,1	68 100	85 600		30,0
32,0					16,7	62,2	64 900	74 000	33,8	68,4	62 800	79 000		32,0
34,0									23,1	64,3	58 100	73 300		34,0
36,0														36,0
38,0														38,0
40,0														40,0
42,0														42,0
44,0														44,0
46,0														46,0
48,0														48,0

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135 100 kg



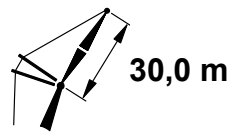
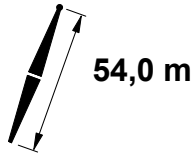
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
15,2													15,2
16,0													16,0
18,0													18,0
20,0													20,0
22,0													22,0
24,0													24,0
26,0													26,0
28,0													28,0
30,0	57,0	74,3	63 900	81 400									30,0
32,0	51,0	72,7	58 900	75 200									32,0
34,0	44,3	70,8	54 600	69 900									34,0
36,0	36,6	68,2	50 800	65 100	52,6	71,7	47 500	61 800					36,0
38,0	26,9	64,7	47 400	60 900	46,1	69,8	44 400	57 800					38,0
40,0					38,7	67,5	41 600	54 300					40,0
42,0					29,7	64,3	39 000	51 000	47,3	68,3	36 000	48 400	42,0
44,0					16,3	59,1	36 600	48 000	40,1	66,1	33 900	45 600	44,0
46,0									31,5	63,1	31 900	43 100	46,0
48,0									19,5	58,5	30 000	40 800	48,0

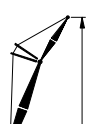
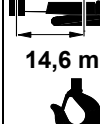
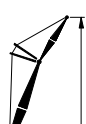
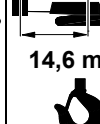
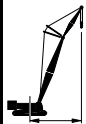
MLC300 VPC-MAX S-1

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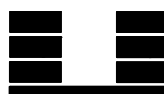
135 100 kg



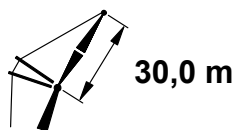
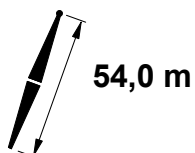
	 85°				 83°				 80°					
														
	m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
16,8		72,4	84,7	116 600 c	116 600 c									16,8
18,0		69,9	84,3	115 200 b	115 200 b									18,0
20,0		65,7	83,4	110 400 b	110 400 b	69,7	84,0	114 700 b	115 500 b					20,0
22,0		61,4	82,3	97 700	97 700	65,5	83,1	103 600 b	112 300 b					22,0
24,0		56,9	81,0	87 800	87 800	61,2	82,0	92 900	105 400					24,0
26,0		52,1	79,5	79 700	79 700	56,6	80,7	84 000	95 700	63,0	82,0	80 800	101 500	26,0
28,0		46,9	77,7	73 400	73 400	51,8	79,2	76 600	86 600	58,5	80,8	73 800	92 700	28,0
30,0		41,3	75,5	68 100	68 100	46,6	77,4	70 300	79 300	53,8	79,4	67 700	85 200	30,0
32,0		34,8	72,8	63 800	63 800	40,9	75,2	64 900	73 200	48,8	77,7	62 400	78 700	32,0
34,0		27,0	69,2	60 500	60 500	34,4	72,4	60 200	68 400	43,3	75,7	57 900	73 100	34,0
36,0		15,7	63,7	54 100	54 100	26,5	68,8	56 000	64 600	37,2	73,2	53 900	68 200	36,0
38,0						14,8	63,0	52 200	56 700	30,0	70,0	50 300	63 800	38,0
40,0										20,4	65,4	47 100	59 600	40,0
42,0														42,0
44,0														44,0
46,0														46,0
48,0														48,0
50,0														50,0
52,0														52,0
54,0														54,0

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



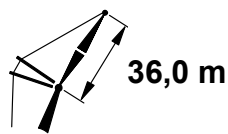
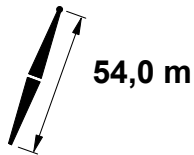
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
16,8													16,8
18,0													18,0
20,0													20,0
22,0													22,0
24,0													24,0
26,0													26,0
28,0													28,0
30,0													30,0
32,0	59,9	80,2	58 400	74 700									32,0
34,0	55,3	78,8	54 200	69 400									34,0
36,0	50,4	77,2	50 400	64 700									36,0
38,0	45,1	75,3	47 100	60 500									38,0
40,0	39,2	72,9	44 100	56 800	51,7	76,2	41 100	53 800					40,0
42,0	32,4	70,0	41 400	53 500	46,5	74,3	38 600	50 600					42,0
44,0	23,9	66,0	39 000	50 400	40,8	72,1	36 300	47 800					44,0
46,0					34,3	69,3	34 200	45 200	47,5	72,8	31 200	42 600	46,0
48,0					26,3	65,7	32 300	42 800	41,9	70,7	29 400	40 400	48,0
50,0					14,4	59,8	30 500	40 500	35,6	68,0	27 800	38 300	50,0
52,0									28,0	64,6	26 300	36 400	52,0
54,0									17,3	59,4	24 800	34 600	54,0

MLC300 VPC-MAX S-1

ASME B30.5



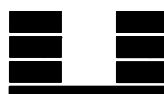
135 100 kg



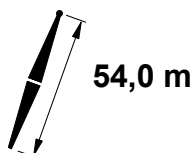
	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
18,3	72,9	90,5	118 100 b	118 100 b									18,3
20,0	70,0	89,9	112 000	112 000									20,0
22,0	66,6	89,1	99 400	99 400	69,8	89,7	102 600	114 100					22,0
24,0	63,0	88,1	88 600	88 600	66,4	88,8	91 800	108 100					24,0
26,0	59,3	86,9	80 100	80 100	62,8	87,8	83 000	98 800	67,8	88,7	79 700	100 300	26,0
28,0	55,5	85,6	73 400	73 400	59,1	86,6	75 700	88 700	64,3	87,8	72 600	91 600	28,0
30,0	51,4	84,0	67 700	67 700	55,3	85,3	69 400	80 500	60,6	86,7	66 600	84 100	30,0
32,0	47,2	82,2	62 900	62 900	51,2	83,7	64 000	73 800	56,8	85,4	61 400	77 700	32,0
34,0	42,5	80,1	59 000	59 000	46,9	81,9	59 300	68 400	52,9	83,9	56 900	72 100	34,0
36,0	37,4	77,6	55 700	55 700	42,3	79,7	55 200	63 900	48,7	82,2	52 900	67 200	36,0
38,0	31,6	74,5	52 800	52 900	37,1	77,2	51 500	60 000	44,2	80,2	49 400	62 900	38,0
40,0	24,5	70,5	49 500	50 600	31,2	74,1	48 200	56 900	39,3	77,8	46 300	59 000	40,0
42,0	14,2	64,4	43 200	43 800	24,1	70,1	45 300	53 700	33,8	75,0	43 500	55 500	42,0
44,0					13,4	63,7	42 600	44 800	27,2	71,4	40 900	52 300	44,0
46,0									18,5	66,3	38 500	48 800	46,0
48,0													48,0
50,0													50,0
52,0													52,0
54,0													54,0
56,0													56,0
58,0													58,0
60,0													60,0

MLC300 VPC-MAX S-1

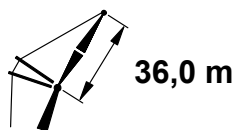
ASME B30.5



135 100 kg



54,0 m



36,0 m

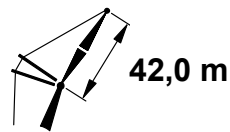
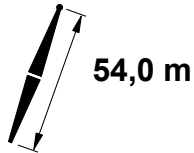
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
18,3													18,3
20,0													20,0
22,0													22,0
24,0													24,0
26,0													26,0
28,0													28,0
30,0													30,0
32,0													32,0
34,0	61,8	85,9	52 900	68 100									34,0
36,0	58,1	84,7	49 200	63 500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

MLC300 VPC-MAX S-1

ASME B30.5



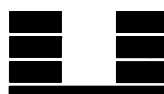
135 100 kg



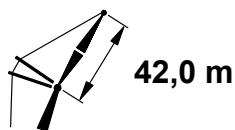
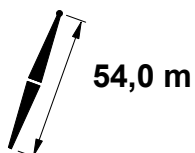
	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
19,8	73,3	96,3	101 000	101 000									19,8
20,0	73,0	96,3	100 200	100 200									20,0
22,0	70,1	95,6	92 400	92 400									22,0
24,0	67,1	94,8	85 000	85 000	69,9	95,3	91 200	92 300					24,0
26,0	64,1	93,8	78 300	78 300	67,0	94,5	82 500	85 100					26,0
28,0	61,0	92,7	72 300	72 300	63,9	93,5	75 200	78 500					28,0
30,0	57,8	91,5	66 800	66 800	60,8	92,4	69 000	72 400	65,2	93,5	66 100	81 400	30,0
32,0	54,5	90,1	61 900	61 900	57,6	91,2	63 500	67 000	62,1	92,4	60 900	75 200	32,0
34,0	51,0	88,5	57 500	57 500	54,3	89,8	58 900	62 100	58,9	91,2	56 400	69 600	34,0
36,0	47,3	86,7	53 500	53 500	50,8	88,2	54 800	57 600	55,7	89,9	52 500	64 500	36,0
38,0	43,4	84,6	49 900	49 900	47,1	86,3	51 200	53 600	52,2	88,4	49 000	59 800	38,0
40,0	39,2	82,2	46 600	46 600	43,2	84,3	47 900	50 000	48,6	86,7	45 900	55 600	40,0
42,0	34,5	79,5	43 600	43 600	38,9	81,9	45 000	46 700	44,8	84,7	43 100	51 800	42,0
44,0	29,1	76,1	40 900	40 900	34,2	79,1	42 400	43 700	40,7	82,4	40 600	48 300	44,0
46,0	22,6	71,7	38 400	38 400	28,8	75,6	40 000	41 000	36,2	79,8	38 300	45 200	46,0
48,0	13,1	65,0	34 400	34 400	22,2	71,2	37 800	38 500	31,1	76,7	36 200	42 400	48,0
50,0					12,3	64,3	35 500	35 700	25,1	72,7	34 200	39 800	50,0
52,0									17,1	67,2	32 400	37 400	52,0
54,0													54,0
56,0													56,0
58,0													58,0
60,0													60,0
62,0													62,0
64,0													64,0
66,0													66,0

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



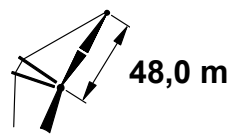
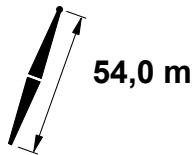
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
19,8													19,8
20,0													20,0
22,0													22,0
24,0													24,0
26,0													26,0
28,0													28,0
30,0													30,0
32,0													32,0
34,0													34,0
36,0													36,0
38,0	59,9	90,6	45 400	58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

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



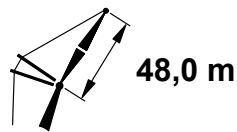
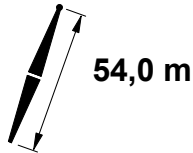
	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
21,3	73,5	102,2	91 600	91 600									21,3
22,0	72,7	102,0	91 100	91 100									22,0
24,0	70,2	101,2	89 600	89 600									24,0
26,0	67,6	100,4	83 700	83 700	70,0	101,0	81 400	90 000					26,0
28,0	64,9	99,5	75 700	75 700	67,4	100,2	74 100	88 000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

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



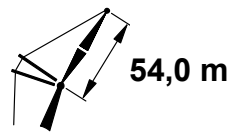
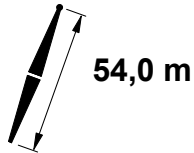
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
21,3													21,3
22,0													22,0
24,0													24,0
26,0													26,0
28,0													28,0
30,0													30,0
32,0													32,0
34,0													34,0
36,0													36,0
38,0													38,0
40,0	61,3	96,3	41 100	53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

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



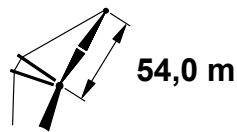
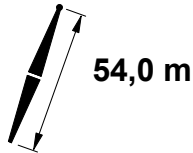
	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
22,9	73,7	108,0	77 300	77 300									22,9
24,0	72,4	107,6	73 700	73 700									24,0
26,0	70,2	106,9	67 700	67 700									26,0
28,0	67,9	106,1	62 200	62 200	70,1	106,6	67 600	67 600					28,0
30,0	65,6	105,2	57 200	57 200	67,8	105,8	62 100	62 100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

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



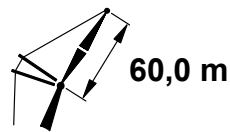
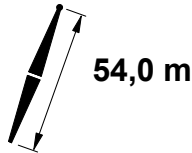
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
22,9													22,9
24,0													24,0
26,0													26,0
28,0													28,0
30,0													30,0
32,0													32,0
34,0													34,0
36,0													36,0
38,0													38,0
40,0													40,0
42,0	62,4	102,1	37 800	50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

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



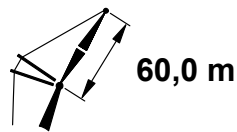
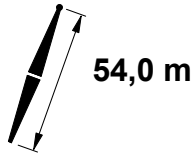
	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
24,4	73,9	113,8	72 100	72 100									24,4
26,0	72,3	113,3	71 300	71 300									26,0
28,0	70,2	112,6	70 300	70 300									28,0
30,0	68,2	111,8	67 800	69 200	70,1	112,3	66 200	70 600					30,0
32,0	66,1	110,9	62 700	65 900	68,1	111,5	60 800	69 800					32,0
34,0	64,0	109,9	58 000	60 700	66,0	110,6	56 200	68 800					34,0
36,0	61,8	108,9	53 800	56 300	63,9	109,7	52 100	66 000	66,8	110,5	49 500	63 800	36,0
38,0	59,6	107,7	50 100	52 500	61,7	108,6	48 500	60 800	64,7	109,6	46 100	59 500	38,0
40,0	57,3	106,5	46 800	49 300	59,5	107,4	45 300	56 000	62,6	108,6	43 000	55 700	40,0
42,0	55,0	105,1	43 900	46 400	57,2	106,2	42 400	51 700	60,4	107,5	40 200	52 300	42,0
44,0	52,6	103,6	41 200	43 900	54,9	104,8	39 800	47 900	58,1	106,2	37 800	49 200	44,0
46,0	50,2	101,9	38 800	41 600	52,5	103,3	37 500	44 600	55,8	104,9	35 500	46 400	46,0
48,0	47,6	100,1	36 600	39 000	50,0	101,6	35 300	41 600	53,5	103,4	33 400	43 900	48,0
50,0	44,9	98,1	34 600	36 500	47,4	99,8	33 400	38 800	51,0	101,8	31 500	41 500	50,0
52,0	42,1	96,0	32 700	34 200	44,8	97,8	31 600	36 400	48,5	100,1	29 700	39 400	52,0
54,0	39,1	93,6	31 000	32 100	41,9	95,6	29 900	34 100	45,9	98,2	28 100	37 300	54,0
56,0	35,9	90,9	29 400	30 200	38,9	93,2	28 400	32 000	43,1	96,1	26 500	35 100	56,0
58,0	32,4	87,9	27 900	28 400	35,7	90,5	26 900	30 100	40,2	93,8	25 100	32 900	58,0
60,0	28,6	84,4	26 600	26 700	32,2	87,5	25 600	28 300	37,1	91,2	23 700	30 900	60,0
62,0	24,2	80,2	25 200	25 200	28,4	83,9	24 300	26 700	33,7	88,3	22 500	29 100	62,0
64,0	18,7	74,9	23 300	23 300	23,9	79,7	23 000	25 100	30,0	85,0	21 300	27 400	64,0
66,0					18,4	74,3	21 800	23 300	25,8	81,1	20 200	25 800	66,0
68,0					10,2	65,9	18 900	19 100	20,8	76,2	19 100	24 300	68,0
70,0									14,1	69,5	18 100	22 600	70,0
72,0													72,0
74,0													74,0
76,0													76,0
78,0													78,0
80,0													80,0
82,0													82,0

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



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

MLC300 VPC-MAX S-1

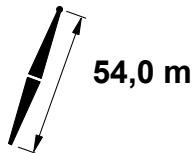
ASME B30.5



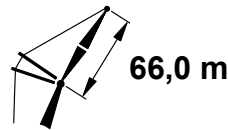
135 100 kg



360°



54,0 m



66,0 m

	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
27,4	72,6	119,1	62 200	62 200									27,4
28,0	72,1	118,9	62 200	62 200									28,0
30,0	70,2	118,2	62 100	62 100									30,0
32,0	68,4	117,4	61 500	61 500	70,1	117,9	60 100	61 200					32,0
34,0	66,5	116,6	57 400	60 500	68,3	117,2	55 500	61 200					34,0
36,0	64,6	115,6	53 300	57 700	66,4	116,3	51 500	61 000					36,0
38,0	62,6	114,6	49 500	53 500	64,5	115,3	47 900	59 500	67,2	116,2	45 300	58 600	38,0
40,0	60,6	113,5	46 300	50 000	62,5	114,3	44 700	55 000	65,3	115,3	42 300	55 000	40,0
42,0	58,6	112,3	43 300	47 000	60,5	113,2	41 800	50 900	63,3	114,3	39 500	51 600	42,0
44,0	56,5	111,0	40 600	44 100	58,5	112,0	39 200	47 300	61,3	113,2	37 000	48 500	44,0
46,0	54,4	109,5	38 200	41 100	56,4	110,7	36 900	44 000	59,3	112,0	34 700	45 800	46,0
48,0	52,2	108,0	36 000	38 400	54,3	109,2	34 700	41 100	57,3	110,8	32 600	43 200	48,0
50,0	50,0	106,4	34 000	36 000	52,1	107,7	32 800	38 400	55,2	109,4	30 600	40 900	50,0
52,0	47,6	104,6	32 200	33 700	49,8	106,0	31 000	35 900	53,0	107,9	28 800	38 800	52,0
54,0	45,2	102,6	30 500	31 700	47,5	104,2	29 300	33 600	50,8	106,3	27 200	36 800	54,0
56,0	42,7	100,5	28 900	29 800	45,1	102,3	27 800	31 600	48,5	104,5	25 700	34 600	56,0
58,0	40,0	98,1	27 400	28 000	42,5	100,1	26 300	29 700	46,1	102,6	24 200	32 400	58,0
60,0	37,2	95,6	26 100	26 400	39,8	97,8	24 900	27 900	43,6	100,6	22 900	30 500	60,0
62,0	34,1	92,7	24 800	24 800	37,0	95,2	23 600	26 300	40,9	98,3	21 700	28 700	62,0
64,0	30,8	89,5	23 400	23 400	33,9	92,3	22 300	24 800	38,2	95,8	20 500	27 000	64,0
66,0	27,2	85,7	22 000	22 000	30,6	89,0	21 200	23 400	35,2	93,1	19 400	25 400	66,0
68,0	22,9	81,3	20 600	20 600	26,9	85,3	20 100	22 000	32,0	90,0	18 400	24 000	68,0
70,0	17,8	75,7	18 800	18 800	22,7	80,8	19 000	20 700	28,5	86,4	17 400	22 600	70,0
72,0					17,4	75,1	18 000	18 900	24,5	82,3	16 500	21 300	72,0
74,0					9,5	66,2	15 300	15 300	19,7	77,2	15 600	20 000	74,0
76,0									13,3	70,1	14 700	18 300	76,0
78,0													78,0
80,0													80,0
82,0													82,0
84,0													84,0
86,0													86,0
88,0													88,0

MLC300 VPC-MAX S-1

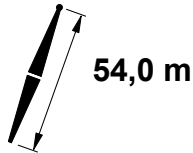
ASME B30.5



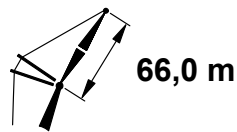
135 100 kg



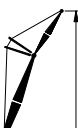
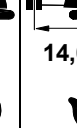
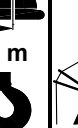
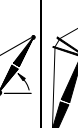
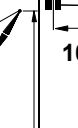
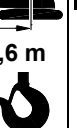
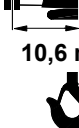
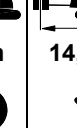
360°



54,0 m



66,0 m

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

MLC300 VPC-MAX S-1

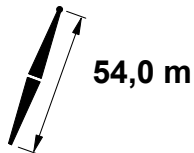
ASME B30.5



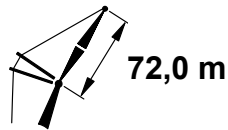
135 100 kg



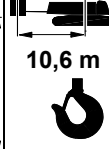
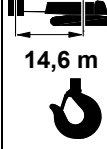
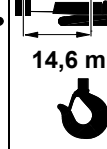
360°



54,0 m



72,0 m

	 85°				 83°				 80°					
 m	 °	 m	 10,6 m kg	 14,6 m kg	 °	 m	 10,6 m kg	 14,6 m kg	 °	 m	 10,6 m kg	 14,6 m kg	 m	
29,0	72,8	124,9	52 100	52 100										29,0
30,0	72,0	124,6	51 200	51 200										30,0
32,0	70,3	123,9	49 600	49 600	71,9	124,3	51 200	51 200						32,0
34,0	68,6	123,1	48 200	48 200	70,2	123,6	49 700	49 700						34,0
36,0	66,8	122,2	46 800	46 800	68,5	122,8	48 300	48 300						36,0
38,0	65,1	121,3	45 500	45 500	66,7	122,0	46 900	46 900						38,0
40,0	63,3	120,3	44 300	44 300	65,0	121,0	44 500	45 600	67,4	121,9	41 900	47 500		40,0
42,0	61,5	119,2	42 800	43 200	63,2	120,0	41 600	44 500	65,7	121,0	39 100	46 300	42,0	
44,0	59,7	118,1	40 400	42 200	61,4	119,0	39 000	43 400	63,9	120,0	36 600	45 100	44,0	
46,0	57,8	116,8	38 000	40 800	59,6	117,8	36 700	42 300	62,1	119,0	34 300	44 000	46,0	
48,0	55,9	115,5	35 800	38 200	57,7	116,5	34 500	40 700	60,3	117,8	32 200	42 700	48,0	
50,0	53,9	114,1	33 800	35 800	55,8	115,2	32 600	38 200	58,4	116,6	30 300	40 700	50,0	
52,0	51,9	112,5	32 000	33 600	53,8	113,7	30 800	35 700	56,5	115,3	28 500	38 500	52,0	
54,0	49,8	110,8	30 300	31 500	51,8	112,2	29 100	33 500	54,6	113,9	26 900	36 600	54,0	
56,0	47,7	109,0	28 700	29 600	49,7	110,5	27 500	31 400	52,6	112,4	25 300	34 400	56,0	
58,0	45,5	107,1	27 300	27 900	47,6	108,7	26 000	29 500	50,6	110,8	23 900	32 300	58,0	
60,0	43,2	105,0	25 900	26 300	45,3	106,8	24 600	27 800	48,4	109,0	22 600	30 400	60,0	
62,0	40,7	102,7	24 600	24 700	43,0	104,7	23 300	26 200	46,3	107,1	21 400	28 600	62,0	
64,0	38,2	100,2	23 300	23 300	40,6	102,4	22 100	24 700	44,0	105,1	20 200	26 900	64,0	
66,0	35,5	97,5	22 000	22 000	38,1	99,9	20 900	23 300	41,6	102,9	19 100	25 300	66,0	
68,0	32,6	94,5	20 800	20 800	35,3	97,1	19 900	22 000	39,1	100,5	18 100	23 900	68,0	
70,0	29,5	91,0	19 600	19 600	32,4	94,1	18 800	20 700	36,5	97,8	17 100	22 500	70,0	
72,0	26,0	87,1	18 300	18 300	29,3	90,6	17 900	19 600	33,7	94,9	16 200	21 300	72,0	
74,0	21,9	82,5	16 900	16 900	25,7	86,7	16 900	18 400	30,6	91,6	15 400	20 100	74,0	
76,0	17,0	76,6	15 600	15 600	21,7	82,0	16 100	17 000	27,2	87,9	14 500	18 900	76,0	
78,0					16,7	76,0	15 100	15 500	23,4	83,5	13 700	17 800	78,0	
80,0					9,1	66,7	12 600	12 600	18,9	78,2	13 000	16 400	80,0	
82,0									12,8	70,8	12 200	15 100	82,0	
84,0													84,0	
86,0													86,0	
88,0													88,0	
90,0													90,0	
92,0													92,0	
94,0													94,0	
96,0													96,0	

MLC300 VPC-MAX S-1

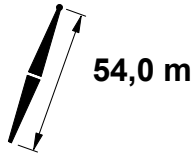
ASME B30.5



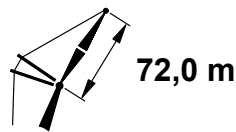
135 100 kg



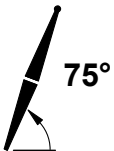
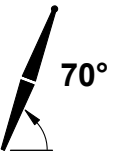
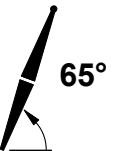
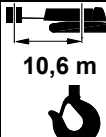
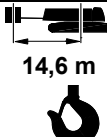
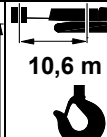
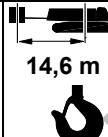
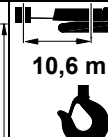
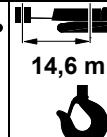
360°



54,0 m



72,0 m

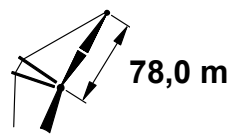
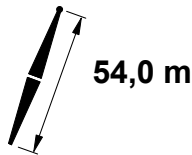
	 75°				 70°				 65°				
													
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
29,0													29,0
30,0													30,0
32,0													32,0
34,0													34,0
36,0													36,0
38,0													38,0
40,0													40,0
42,0													42,0
44,0													44,0
46,0													46,0
48,0													48,0
50,0													50,0
52,0													52,0
54,0													54,0
56,0													56,0
58,0													58,0
60,0													60,0
62,0													62,0
64,0													64,0
66,0													66,0
68,0													68,0
70,0													70,0
72,0													72,0
74,0													74,0
76,0													76,0
78,0													78,0
80,0													80,0
82,0													82,0
84,0													84,0
86,0													86,0
88,0													88,0
90,0													90,0
92,0													92,0
94,0													94,0
96,0													96,0

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



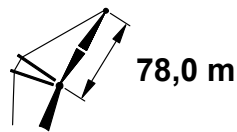
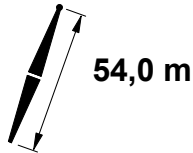
85°					83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
30,5	73,0	130,7	44 500	44 500									30,5
32,0	71,9	130,2	44 300	44 300									32,0
34,0	70,3	129,5	44 000	44 000									34,0
36,0	68,7	128,8	43 400	43 400	70,2	129,3	43 300	43 300					36,0
38,0	67,1	127,9	42 400	42 400	68,6	128,5	43 100	43 100					38,0
40,0	65,5	127,0	41 400	41 400	67,0	127,6	42 500	42 500					40,0
42,0	63,9	126,0	40 500	40 500	65,4	126,7	41 000	41 600	67,7	127,5	38 400	41 500	42,0
44,0	62,2	125,0	39 600	39 600	63,8	125,8	38 500	40 700	66,1	126,7	35 900	41 400	44,0
46,0	60,5	123,9	37 600	38 600	62,1	124,7	36 200	39 800	64,5	125,7	33 600	41 100	46,0
48,0	58,8	122,7	35 400	36 400	60,4	123,6	34 100	38 700	62,8	124,7	31 500	40 300	48,0
50,0	57,1	121,4	33 400	34 000	58,7	122,4	32 100	36 500	61,1	123,6	29 600	39 500	50,0
52,0	55,3	120,0	31 500	31 700	57,0	121,1	30 200	34 100	59,4	122,4	27 800	37 900	52,0
54,0	53,5	118,6	29 600	29 600	55,2	119,7	28 500	31 800	57,7	121,2	26 200	35 400	54,0
56,0	51,6	117,0	27 500	27 500	53,4	118,3	26 900	29 700	55,9	119,8	24 700	33 000	56,0
58,0	49,7	115,3	25 600	25 600	51,5	116,7	25 400	27 600	54,1	118,4	23 300	30 800	58,0
60,0	47,7	113,5	23 700	23 700	49,6	115,0	24 000	25 700	52,3	116,9	22 000	28 700	60,0
62,0	45,7	111,6	21 800	21 800	47,6	113,2	22 700	23 800	50,4	115,2	20 700	26 700	62,0
64,0	43,6	109,5	20 000	20 000	45,6	111,3	21 500	21 900	48,4	113,5	19 600	24 800	64,0
66,0	41,4	107,3	18 200	18 200	43,4	109,2	20 100	20 100	46,4	111,6	18 500	23 000	66,0
68,0	39,1	104,9	16 600	16 600	41,2	106,9	18 400	18 400	44,3	109,6	17 500	21 200	68,0
70,0	36,6	102,2	15 000	15 000	38,9	104,5	16 700	16 700	42,1	107,4	16 500	19 400	70,0
72,0	34,0	99,3	13 600	13 600	36,5	101,9	15 100	15 100	39,9	105,1	15 600	17 600	72,0
74,0	31,3	96,1	12 200	12 200	33,9	99,0	13 600	13 600	37,5	102,5	14 800	16 000	74,0
76,0	28,3	92,6	10 800	10 800	31,1	95,7	12 200	12 200	35,0	99,7	14 000	14 500	76,0
78,0	24,9	88,4	9 500	9 500	28,1	92,1	10 900	10 900	32,3	96,6	13 000	13 000	78,0
80,0	21,0	83,6	8 200	8 200	24,7	88,0	9 600	9 600	29,4	93,2	11 600	11 600	80,0
82,0	16,3	77,4	6 900	6 900	20,8	83,1	8 300	8 300	26,1	89,3	10 300	10 300	82,0
84,0					16,0	76,8	6 900	6 900	22,5	84,7	9 000	9 000	84,0
86,0									18,1	79,1	7 700	7 700	86,0
88,0									12,2	71,4	6 400	6 400	88,0
90,0													90,0
92,0													92,0
94,0													94,0
96,0													96,0
98,0													98,0
100,0													100,0
102,0													102,0

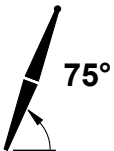
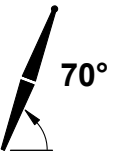
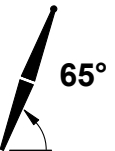
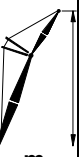
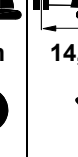
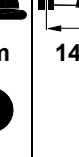
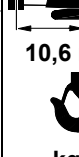
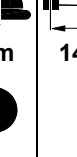
MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



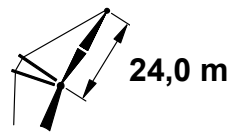
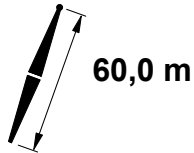
	 75°				 70°				 65°				
													
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
30,5													30,5
32,0													32,0
34,0													34,0
36,0													36,0
38,0													38,0
40,0													40,0
42,0													42,0
44,0													44,0
46,0													46,0
48,0													48,0
50,0													50,0
52,0	63,3	123,9	23 900	35 000									52,0
54,0	61,7	122,9	22 400	33 200									54,0
56,0	60,0	121,7	21 100	31 500									56,0
58,0	58,2	120,5	19 800	29 900									58,0
60,0	56,5	119,2	18 600	28 500									60,0
62,0	54,7	117,8	17 500	27 100									62,0
64,0	52,9	116,3	16 400	25 800	56,9	118,1	13 300	23 500					64,0
66,0	51,0	114,7	15 500	24 700	55,2	116,7	12 500	22 300					66,0
68,0	49,0	113,0	14 500	23 500	53,3	115,2	11 600	21 300					68,0
70,0	47,0	111,1	13 700	22 500	51,5	113,6	10 900	20 300					70,0
72,0	45,0	109,2	12 800	21 500	49,5	111,9	10 100	19 400					72,0
74,0	42,8	107,0	12 100	20 300	47,6	110,1	9 400	18 500	51,8	112,1	6 800	16 500	74,0
76,0	40,6	104,7	11 300	18 600	45,5	108,2	8 800	17 700	49,9	110,4	6 200	15 800	76,0
78,0	38,3	102,3	10 600	16 900	43,4	106,1	8 100	16 900	47,9	108,6	5 700	15 000	78,0
80,0	35,8	99,5	10 000	15 300	41,2	103,9	7 500	16 200	45,9	106,7	5 100	14 300	80,0
82,0	33,1	96,6	9 300	13 800	38,9	101,4	6 900	15 400	43,8	104,6	4 600	13 700	82,0
84,0	30,3	93,2	8 700	12 400	36,4	98,8	6 400	14 800	41,6	102,4		13 000	84,0
86,0	27,2	89,5	8 100	11 000	33,8	95,9	5 900	14 100	39,3	100,0		12 400	86,0
88,0	23,7	85,2	7 600	9 700	31,1	92,7	5 400	13 000	36,9	97,4		11 900	88,0
90,0	19,6	80,0	7 000	8 400	28,0	89,0	4 900	11 700	34,3	94,6		11 300	90,0
92,0	14,3	73,1	6 500	7 200	24,6	84,9		10 300	31,6	91,4		10 800	92,0
94,0					20,7	79,9		9 100	28,6	87,9		10 300	94,0
96,0					15,9	73,6		7 800	25,3	83,8		9 800	96,0
98,0									21,5	79,1		9 300	98,0
100,0									16,9	73,1		8 300	100,0
102,0									10,3	64,4		7 100	102,0

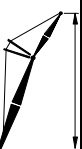
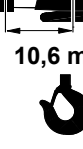
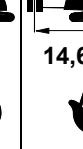
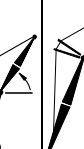
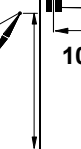
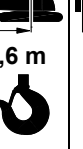
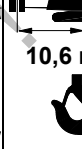
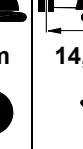
MLC300 VPC-MAX S-1

ASME B30.5



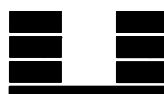
135 100 kg



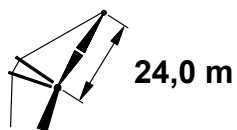
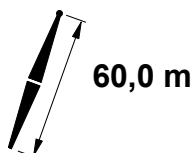
	 85°				 83°				 80°					
														
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m	
15,2	73,0	85,1	137 000 d	137 000 d										15,2
16,0	71,1	84,8	134 500 d	134 500 d										16,0
18,0	65,9	83,9	123 600 c	123 600 c										18,0
20,0	60,4	82,8	108 700 b	108 700 b	66,1	83,7	116 200 c	131 500 c						20,0
22,0	54,6	81,4	96 900 b	96 900 b	60,7	82,6	103 200 b	120 100 b						22,0
24,0	48,3	79,7	87 600	87 600	54,9	81,3	92 500	105 800	63,8	82,8	88 700 b	111 300 b		24,0
26,0	41,3	77,6	80 300	80 300	48,7	79,6	83 600	95 000	58,2	81,6	80 200 b	100 800 b		26,0
28,0	33,0	74,7	74 700	74 700	41,7	77,4	76 300	86 700	52,3	80,1	73 200	92 100		28,0
30,0	21,8	70,5	70 700	70 700	33,4	74,6	70 000	80 100	45,7	78,2	67 100	84 600		30,0
32,0					22,5	70,5	64 500	75 200	38,3	75,8	61 900	78 200		32,0
34,0									29,2	72,6	57 400	72 600		34,0
36,0									15,3	67,1	53 200	67 500		36,0
38,0														38,0
40,0														40,0
42,0														42,0
44,0														44,0
46,0														46,0
48,0														48,0
50,0														50,0

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



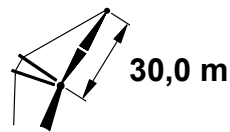
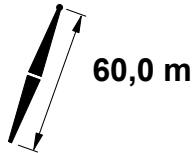
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
15,2													15,2
16,0													16,0
18,0													18,0
20,0													20,0
22,0													22,0
24,0													24,0
26,0													26,0
28,0													28,0
30,0													30,0
32,0	55,7	79,8	57 500 b	73 700 b									32,0
34,0	49,5	78,1	53 300	68 500									34,0
36,0	42,7	76,1	49 600	63 900									36,0
38,0	34,6	73,4	46 300	59 700	52,7	77,4	42 600	56 200					38,0
40,0	24,3	69,5	43 300	56 000	46,3	75,5	39 900	52 700					40,0
42,0					38,9	73,2	37 500	49 600					42,0
44,0					30,0	70,0	35 200	46 800	49,1	74,3	31 500	43 900	44,0
46,0									42,2	72,2	29 700	41 500	46,0
48,0									34,1	69,4	27 900	39 300	48,0
50,0									23,4	65,5	26 300	37 200	50,0

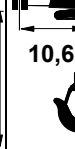
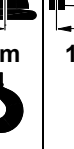
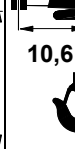
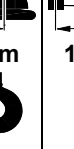
MLC300 VPC-MAX S-1

ASME B30.5



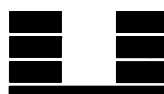
135 100 kg



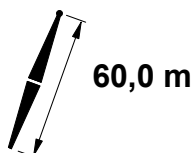
	85°				83°				80°				
 m	 °	 m	 kg	 kg	 °	 m	 kg	 kg	 °	 m	 kg	 kg	 m
16,8	73,5	90,9	114 100 c	114 100 c									16,8
18,0	71,0	90,4	112 800 c	112 800 c									18,0
20,0	66,8	89,6	110 000 b	110 000 b	71,2	90,2	112 600 c	113 300 c					20,0
22,0	62,6	88,6	98 500 b	98 500 b	67,0	89,4	102 700 b	111 000 b					22,0
24,0	58,1	87,4	88 300	88 300	62,8	88,4	92 100	105 300					24,0
26,0	53,4	85,9	80 200	80 200	58,3	87,2	83 200	97 900	65,2	88,5	79 600 b	100 300 b	26,0
28,0	48,3	84,2	73 800	73 800	53,6	85,8	76 000	88 400	60,8	87,4	72 700	91 600	28,0
30,0	42,8	82,1	68 400	68 400	48,6	84,0	69 700	80 700	56,3	86,1	66 700	84 200	30,0
32,0	36,6	79,6	64 000	64 000	43,1	82,0	64 300	74 400	51,5	84,5	61 500	77 800	32,0
34,0	29,3	76,3	60 600	60 600	36,9	79,5	59 700	69 400	46,2	82,7	57 100	72 300	34,0
36,0	19,3	71,5	57 100	58 000	29,7	76,2	55 500	65 400	40,5	80,5	53 100	67 400	36,0
38,0					19,9	71,5	51 800	62 400	33,9	77,7	49 600	63 000	38,0
40,0									25,9	73,9	46 500	59 200	40,0
42,0													42,0
44,0													44,0
46,0													46,0
48,0													48,0
50,0													50,0
52,0													52,0
54,0													54,0
56,0													56,0

MLC300 VPC-MAX S-1

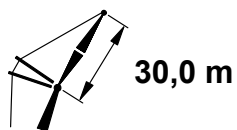
ASME B30.5



135 100 kg



60,0 m



30,0 m

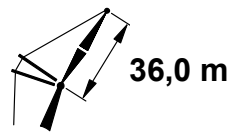
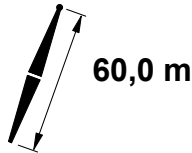
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
16,8													16,8
18,0													18,0
20,0													20,0
22,0													22,0
24,0													24,0
26,0													26,0
28,0													28,0
30,0													30,0
32,0	63,3	86,8	56 900	73 100									32,0
34,0	58,9	85,7	52 700	68 000									34,0
36,0	54,2	84,3	49 100	63 400									36,0
38,0	49,3	82,6	45 800	59 300									38,0
40,0	43,9	80,6	43 000	55 700	56,6	83,4	39 100	52 100					40,0
42,0	37,8	78,1	40 300	52 400	51,8	81,8	36 700	49 100					42,0
44,0	30,7	75,0	38 000	49 400	46,7	80,0	34 500	46 300					44,0
46,0	21,5	70,6	35 800	46 700	41,0	77,8	32 600	43 800	48,9	78,8	27 200	38 700	46,0
48,0					34,5	75,1	30 700	41 500	43,5	76,7	25 700	36 700	48,0
50,0					26,6	71,4	29 000	39 300	37,4	74,2	24 300	34 900	50,0
52,0									30,2	71,1	22 900	33 200	52,0
54,0									20,7	66,5	21 600	31 600	54,0
56,0													56,0

MLC300 VPC-MAX S-1

ASME B30.5



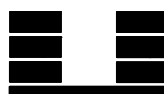
135 100 kg



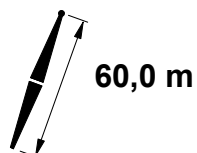
m	85°				83°				80°				m
	o	m	kg	kg	o	m	kg	kg	o	m	kg	kg	
18,3	73,8	96,7	109 500 b	109 500 b									18,3
20,0	70,9	96,1	105 800 b	105 800 b									20,0
22,0	67,5	95,3	99 100	99 100									22,0
24,0	63,9	94,3	88 600	88 600	67,6	95,1	91 000	105 300					24,0
26,0	60,3	93,2	80 200	80 200	64,1	94,1	82 200	100 000					26,0
28,0	56,5	91,9	73 500	73 500	60,5	93,0	75 000	90 000	66,1	94,2	71 500	90 400	28,0
30,0	52,5	90,4	67 900	67 900	56,7	91,7	68 700	81 700	62,5	93,2	65 600	83 100	30,0
32,0	48,3	88,7	63 100	63 100	52,7	90,2	63 400	74 900	58,8	92,0	60 400	76 700	32,0
34,0	43,8	86,7	59 200	59 200	48,5	88,5	58 700	69 500	55,0	90,6	56 000	71 200	34,0
36,0	38,8	84,3	55 800	55 800	44,0	86,5	54 700	64 800	50,9	89,0	52 100	66 400	36,0
38,0	33,2	81,4	52 600	53 000	39,1	84,1	51 000	60 800	46,6	87,2	48 600	62 100	38,0
40,0	26,5	77,7	49 300	50 900	33,5	81,3	47 800	57 600	41,9	85,0	45 500	58 200	40,0
42,0	17,5	72,4	45 800	46 900	26,9	77,6	44 900	54 800	36,7	82,5	42 800	54 800	42,0
44,0					18,1	72,5	42 200	50 000	30,8	79,3	40 200	51 700	44,0
46,0									23,5	75,2	37 900	48 800	46,0
48,0													48,0
50,0													50,0
52,0													52,0
54,0													54,0
56,0													56,0
58,0													58,0
60,0													60,0
62,0													62,0

MLC300 VPC-MAX S-1

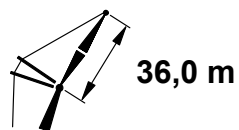
ASME B30.5



135 100 kg



60,0 m



36,0 m

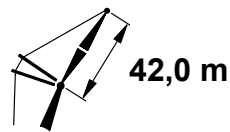
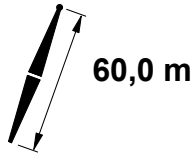
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
18,3													18,3
20,0													20,0
22,0													22,0
24,0													24,0
26,0													26,0
28,0													28,0
30,0													30,0
32,0													32,0
34,0													34,0
36,0	61,0	91,5	47 800	62 100									36,0
38,0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

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



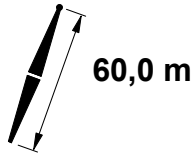
	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
21,3	71,8	102,0	93 400	93 400									21,3
22,0	70,9	101,8	91 000	91 000									22,0
24,0	67,9	101,0	84 300	84 300									24,0
26,0	64,9	100,0	78 000	78 000	68,1	100,8	81 700	85 100					26,0
28,0	61,8	99,0	72 200	72 200	65,1	99,8	74 500	78 800					28,0
30,0	58,7	97,8	66 900	66 900	62,0	98,8	68 300	73 000	66,8	99,9	65 000	82 400	30,0
32,0	55,4	96,4	62 100	62 100	58,8	97,6	62 900	67 600	63,7	98,9	59 900	76 100	32,0
34,0	51,9	94,9	57 800	57 800	55,5	96,3	58 300	62 800	60,6	97,8	55 500	70 700	34,0
36,0	48,3	93,2	53 800	53 800	52,1	94,7	54 300	58 400	57,4	96,5	51 600	65 900	36,0
38,0	44,4	91,2	50 200	50 200	48,5	93,0	50 600	54 300	54,0	95,1	48 200	61 300	38,0
40,0	40,3	88,9	47 000	47 000	44,6	91,0	47 400	50 700	50,5	93,5	45 100	57 000	40,0
42,0	35,8	86,2	44 000	44 000	40,5	88,8	44 600	47 400	46,8	91,7	42 400	53 200	42,0
44,0	30,6	83,0	41 200	41 200	36,0	86,1	42 000	44 400	42,9	89,6	39 900	49 600	44,0
46,0	24,5	79,0	38 800	38 800	30,9	82,9	39 600	41 600	38,6	87,2	37 600	46 400	46,0
48,0	16,1	73,2	36 600	36 600	24,8	79,0	37 400	39 100	33,8	84,3	35 500	43 500	48,0
50,0					16,6	73,3	35 400	36 900	28,4	80,8	33 600	40 800	50,0
52,0									21,6	76,3	31 900	38 400	52,0
54,0													54,0
56,0													56,0
58,0													58,0
60,0													60,0
62,0													62,0
64,0													64,0
66,0													66,0
68,0													68,0

MLC300 VPC-MAX S-1

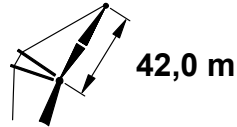
ASME B30.5



135 100 kg



60,0 m



42,0 m

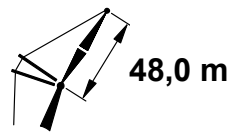
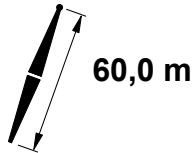
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
21,3													21,3
22,0													22,0
24,0													24,0
26,0													26,0
28,0													28,0
30,0													30,0
32,0													32,0
34,0													34,0
36,0													36,0
38,0													38,0
40,0	59,2	96,1	41 100	53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

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



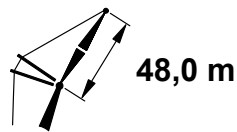
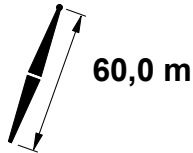
	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
22,9	72,3	107,8	86 200	86 200									22,9
24,0	70,8	107,4	85 200	85 200									24,0
26,0	68,3	106,6	81 900	81 900	70,9	107,2	80 500	85 900					26,0
28,0	65,6	105,7	74 300	74 300	68,4	106,4	73 300	84 800					28,0
30,0	63,0	104,7	68 100	68 100	65,8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

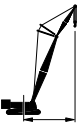
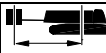
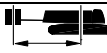
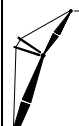
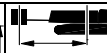
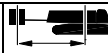
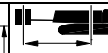
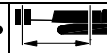
MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



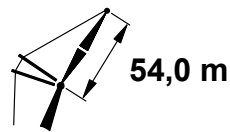
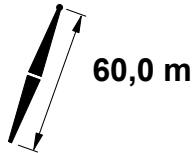
	 75°				 70°				 65°					
 m	 °	 m	 10,6 m  kg	 14,6 m  kg	 °	 m	 10,6 m  kg	 14,6 m  kg	 °	 m	 10,6 m  kg	 14,6 m  kg	 m	
22,9														22,9
24,0														24,0
26,0														26,0
28,0														28,0
30,0														30,0
32,0														32,0
34,0														34,0
36,0													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

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



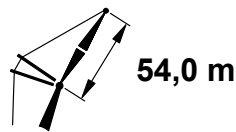
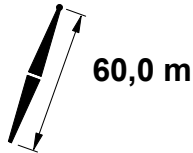
	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
24,4	72,6	113,6	72 600	72 600									24,4
26,0	70,8	113,1	68 100	68 100									26,0
28,0	68,5	112,3	62 800	62 800	70,9	112,9	68 500	68 500					28,0
30,0	66,2	111,4	57 900	57 900	68,6	112,1	63 300	63 300					30,0
32,0	63,8	110,5	53 400	53 400	66,3	111,2	58 300	58 300					32,0
34,0	61,4	109,4	49 200	49 200	64,0	110,3	53 800	53 800	67,6	111,2	53 700	61 100	34,0
36,0	59,0	108,2	45 500	45 500	61,5	109,2	49 700	49 700	65,3	110,3	49 900	56 500	36,0
38,0	56,4	106,9	42 000	42 000	59,1	108,0	45 900	45 900	62,9	109,3	46 500	52 200	38,0
40,0	53,8	105,5	38 900	38 900	56,5	106,7	42 400	42 400	60,5	108,2	43 400	48 200	40,0
42,0	51,1	103,9	36 000	36 000	53,9	105,3	39 300	39 300	58,0	107,0	40 700	44 600	42,0
44,0	48,3	102,1	33 400	33 400	51,2	103,7	36 300	36 300	55,4	105,6	38 300	41 200	44,0
46,0	45,3	100,2	31 000	31 000	48,4	102,0	33 700	33 700	52,8	104,1	36 000	38 100	46,0
48,0	42,2	98,0	28 800	28 800	45,5	100,0	31 200	31 200	50,0	102,5	34 000	35 300	48,0
50,0	38,9	95,6	26 700	26 700	42,4	97,9	29 000	29 000	47,1	100,6	32 100	32 800	50,0
52,0	35,3	92,9	24 800	24 800	39,0	95,5	26 900	26 900	44,1	98,6	30 400	30 400	52,0
54,0	31,3	89,7	23 000	23 000	35,5	92,8	25 000	25 000	40,9	96,4	28 200	28 200	54,0
56,0	26,8	86,0	21 400	21 400	31,5	89,6	23 200	23 200	37,5	93,8	26 200	26 200	56,0
58,0	21,4	81,3	19 900	19 900	27,1	85,9	21 600	21 600	33,8	91,0	24 300	24 300	58,0
60,0	14,1	74,7	18 500	18 500	21,7	81,3	20 100	20 100	29,7	87,6	22 600	22 600	60,0
62,0					14,6	74,9	18 600	18 600	24,9	83,6	21 000	21 000	62,0
64,0									19,0	78,4	19 500	19 500	64,0
66,0													66,0
68,0													68,0
70,0													70,0
72,0													72,0
74,0													74,0
76,0													76,0
78,0													78,0
80,0													80,0

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



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

MLC300 VPC-MAX S-1

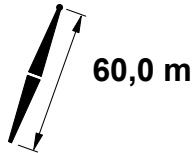
ASME B30.5



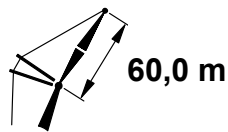
135 100 kg



360°



60,0 m



60,0 m

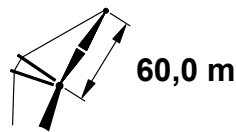
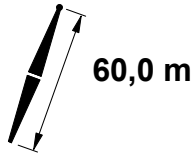
	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
25,9	72,9	119,4	65 300	65 300									25,9
26,0	72,8	119,4	65 300	65 300									26,0
28,0	70,8	118,7	65 300	65 300									28,0
30,0	68,7	118,0	65 200	65 200	70,9	118,5	64 200	64 600					30,0
32,0	66,6	117,1	62 300	63 900	68,8	117,8	60 100	64 600					32,0
34,0	64,5	116,2	57 600	59 100	66,7	116,9	55 500	64 600					34,0
36,0	62,4	115,1	53 400	55 000	64,6	116,0	51 500	64 500	67,9	116,9	48 400	62 000	36,0
38,0	60,2	114,0	49 700	51 400	62,5	115,0	47 900	61 300	65,8	116,0	45 000	58 600	38,0
40,0	57,9	112,8	46 500	48 400	60,3	113,8	44 700	57 400	63,7	115,0	42 000	54 800	40,0
42,0	55,6	111,4	43 600	45 700	58,0	112,6	41 900	53 400	61,5	114,0	39 300	51 500	42,0
44,0	53,3	110,0	40 900	43 300	55,7	111,2	39 300	49 400	59,3	112,8	36 800	48 400	44,0
46,0	50,8	108,3	38 500	41 200	53,4	109,8	37 000	45 900	57,1	111,5	34 500	45 700	46,0
48,0	48,3	106,6	36 300	39 300	50,9	108,2	34 900	42 800	54,7	110,1	32 400	43 200	48,0
50,0	45,6	104,7	34 300	37 200	48,4	106,4	32 900	39 900	52,3	108,6	30 500	40 900	50,0
52,0	42,8	102,6	32 400	34 800	45,8	104,5	31 100	37 300	49,8	106,9	28 800	38 800	52,0
54,0	39,9	100,2	30 800	32 700	43,0	102,4	29 500	35 000	47,3	105,1	27 200	36 800	54,0
56,0	36,8	97,6	29 200	30 700	40,1	100,1	28 000	32 800	44,6	103,1	25 700	35 000	56,0
58,0	33,4	94,7	27 700	28 900	36,9	97,5	26 500	30 900	41,7	100,9	24 300	33 300	58,0
60,0	29,6	91,3	26 400	27 200	33,6	94,6	25 100	29 000	38,7	98,5	23 000	31 800	60,0
62,0	25,4	87,3	25 100	25 600	29,8	91,2	23 800	27 300	35,5	95,8	21 700	30 100	62,0
64,0	20,3	82,4	23 900	24 100	25,6	87,3	22 600	25 700	32,0	92,7	20 600	28 300	64,0
66,0	13,4	75,4	20 600	20 600	20,6	82,4	21 400	24 200	28,1	89,1	19 500	26 700	66,0
68,0					13,8	75,6	20 200	21 600	23,5	84,8	18 400	25 100	68,0
70,0									17,9	79,3	17 400	23 700	70,0
72,0													72,0
74,0													74,0
76,0													76,0
78,0													78,0
80,0													80,0
82,0													82,0
84,0													84,0
86,0													86,0

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



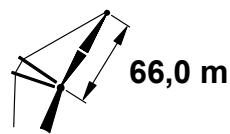
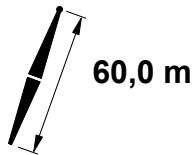
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
25,9													25,9
26,0													26,0
28,0													28,0
30,0													30,0
32,0													32,0
34,0													34,0
36,0													36,0
38,0													38,0
40,0													40,0
42,0													42,0
44,0													44,0
46,0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

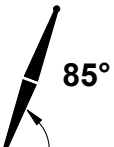
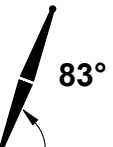
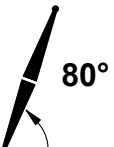
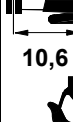
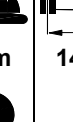
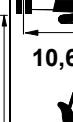
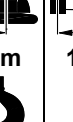
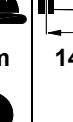
MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



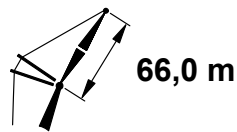
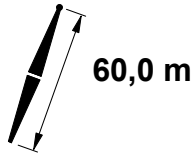
	 85°					 83°					 80°					
 m	 °	 m	 10,6 m kg	 14,6 m kg		 °	 m	 10,6 m kg	 14,6 m kg		 °	 m	 10,6 m kg	 14,6 m kg	 m	
27,4	73,1	125,2	56 200	56 200												27,4
28,0	72,6	125,1	56 200	56 200												28,0
30,0	70,7	124,4	56 100	56 100												30,0
32,0	68,9	123,6	56 000	56 000	70,8	124,2	55 500	55 500								32,0
34,0	67,0	122,8	55 500	55 800	69,0	123,4	54 600	55 500								34,0
36,0	65,1	121,9	52 900	54 800	67,1	122,6	50 900	55 500								36,0
38,0	63,1	120,8	49 200	51 700	65,2	121,7	47 300	55 500								38,0
40,0	61,2	119,8	45 900	48 500	63,2	120,7	44 100	55 200			66,3	121,7	41 000	53 300		40,0
42,0	59,1	118,6	43 000	45 700	61,3	119,6	41 300	52 400			64,3	120,7	38 300	50 800		42,0
44,0	57,1	117,3	40 300	43 200	59,2	118,4	38 700	48 600			62,4	119,7	35 800	47 700		44,0
46,0	55,0	115,9	37 900	41 000	57,2	117,1	36 400	45 200			60,4	118,6	33 600	45 000		46,0
48,0	52,8	114,4	35 700	38 900	55,1	115,7	34 300	42 100			58,3	117,3	31 500	42 500		48,0
50,0	50,6	112,8	33 700	36 600	52,9	114,2	32 300	39 300			56,3	116,0	29 600	40 200		50,0
52,0	48,2	111,0	31 900	34 300	50,7	112,6	30 500	36 800			54,1	114,6	27 900	38 100		52,0
54,0	45,8	109,1	30 200	32 200	48,4	110,9	28 800	34 400			51,9	113,1	26 300	36 200		54,0
56,0	43,3	107,0	28 600	30 200	46,0	109,0	27 200	32 300			49,7	111,4	24 800	34 400		56,0
58,0	40,7	104,8	27 200	28 400	43,5	106,9	25 700	30 400			47,3	109,6	23 400	32 700		58,0
60,0	37,9	102,2	25 800	26 800	40,8	104,6	24 300	28 600			44,9	107,6	22 100	31 200		60,0
62,0	34,9	99,5	24 500	25 200	38,1	102,1	23 000	26 900			42,3	105,4	20 900	29 600		62,0
64,0	31,7	96,3	23 200	23 800	35,1	99,4	21 800	25 300			39,6	103,1	19 700	27 900		64,0
66,0	28,2	92,7	22 000	22 400	31,9	96,2	20 700	23 900			36,8	100,5	18 700	26 200		66,0
68,0	24,1	88,5	20 900	21 000	28,3	92,7	19 600	22 500			33,7	97,5	17 700	24 700		68,0
70,0	19,2	83,3	19 500	19 500	24,3	88,5	18 600	21 200			30,4	94,3	16 700	23 300		70,0
72,0	12,6	75,9	16 600	16 600	19,5	83,4	17 600	19 700			26,7	90,5	15 800	22 000		72,0
74,0					13,0	76,1	16 600	17 400			22,3	85,9	14 900	20 700		74,0
76,0											17,0	80,1	14 100	19 300		76,0
78,0																78,0
80,0																80,0
82,0																82,0
84,0																84,0
86,0																86,0
88,0																88,0
90,0																90,0
92,0																92,0

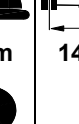
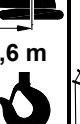
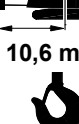
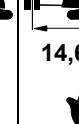
MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



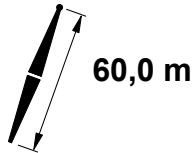
	 75°				 70°				 65°					
 m	 °	 m	 kg	 kg	 °	 m	 kg	 kg	 °	 m	 kg	 kg	 m	
27,4														27,4
28,0														28,0
30,0														30,0
32,0														32,0
34,0														34,0
36,0														36,0
38,0														38,0
40,0														40,0
42,0														42,0
44,0														44,0
46,0														46,0
48,0														48,0
50,0	61,5	118,0	25 200	36 800										50,0
52,0	59,5	116,9	23 600	34 800										52,0
54,0	57,5	115,6	22 200	33 000										54,0
56,0	55,4	114,2	20 800	31 300										56,0
58,0	53,2	112,8	19 600	29 800	58,5	114,6	15 900	26 900						58,0
60,0	51,0	111,2	18 400	28 400	56,4	113,3	14 800	25 600						60,0
62,0	48,7	109,4	17 400	27 000	54,3	111,9	13 900	24 300						62,0
64,0	46,3	107,5	16 300	25 800	52,1	110,3	13 000	23 200						64,0
66,0	43,8	105,5	15 400	24 600	49,8	108,7	12 100	22 100						66,0
68,0	41,2	103,2	14 500	23 500	47,5	106,9	11 300	21 000						68,0
70,0	38,4	100,8	13 600	22 400	45,1	104,9	10 600	20 100	50,8	107,3	7 600	17 800		70,0
72,0	35,5	98,0	12 800	21 400	42,5	102,8	9 800	19 200	48,5	105,6	6 900	17 000		72,0
74,0	32,3	95,0	12 000	20 500	39,9	100,4	9 200	18 300	46,1	103,7	6 400	16 200		74,0
76,0	28,8	91,5	11 300	19 600	37,0	97,8	8 500	17 500	43,6	101,6	5 800	15 400		76,0
78,0	24,9	87,4	10 600	18 800	34,0	94,9	7 900	16 700	41,0	99,4	5 200	14 700		78,0
80,0	20,2	82,4	9 900	18 000	30,7	91,7	7 300	16 000	38,2	96,9	4 700	14 000		80,0
82,0	14,1	75,6	9 200	17 200	27,0	87,9	6 700	15 300	35,3	94,2		13 400		82,0
84,0					22,7	83,5	6 200	14 600	32,1	91,1		12 700		84,0
86,0					17,5	77,8	5 600	13 900	28,6	87,5		12 200		86,0
88,0					9,6	68,9	5 100	13 300	24,6	83,4		11 600		88,0
90,0									19,9	78,3		11 000		90,0
92,0									13,5	71,3		10 500		92,0

MLC300 VPC-MAX S-1

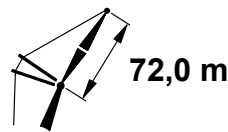
ASME B30.5



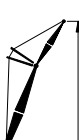
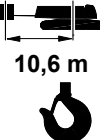
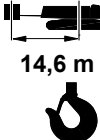
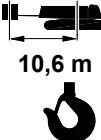
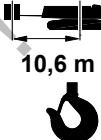
135 100 kg



60,0 m



72,0 m

	 85°				 83°				 80°					
 m	 °	 m	 10,6 m kg	 14,6 m kg	 °	 m	 10,6 m kg	 14,6 m kg	 °	 m	 10,6 m kg	 14,6 m kg	 m	
29,0	73,3	131,1	48 300	48 300										29,0
30,0	72,4	130,7	48 200	48 200										30,0
32,0	70,7	130,0	48 100	48 100										32,0
34,0	69,0	129,3	47 700	47 700	70,8	129,8	47 500	47 500						34,0
36,0	67,3	128,4	46 500	46 500	69,1	129,1	47 500	47 500						36,0
38,0	65,5	127,5	45 300	45 300	67,4	128,2	46 800	46 800						38,0
40,0	63,8	126,6	44 100	44 100	65,6	127,4	43 900	45 600	68,3	128,2	40 600	45 700		40,0
42,0	62,0	125,5	42 600	43 000	63,9	126,4	41 000	44 400	66,6	127,4	37 900	45 700		42,0
44,0	60,1	124,4	40 100	42 000	62,1	125,3	38 500	43 300	64,9	126,4	35 400	45 200		44,0
46,0	58,3	123,2	37 700	40 900	60,2	124,2	36 200	42 300	63,1	125,4	33 200	44 100		46,0
48,0	56,4	121,8	35 600	38 900	58,4	123,0	34 000	41 300	61,3	124,3	31 100	42 200		48,0
50,0	54,4	120,4	33 600	36 600	56,5	121,7	32 000	39 300	59,4	123,2	29 300	40 000		50,0
52,0	52,4	118,9	31 700	34 300	54,5	120,3	30 200	36 800	57,5	121,9	27 500	37 900		52,0
54,0	50,4	117,3	30 000	32 200	52,5	118,7	28 500	34 400	55,6	120,6	25 900	35 900		54,0
56,0	48,2	115,5	28 500	30 200	50,5	117,1	26 900	32 300	53,7	119,1	24 500	34 200		56,0
58,0	46,0	113,6	27 000	28 400	48,3	115,3	25 400	30 300	51,6	117,5	23 100	32 500		58,0
60,0	43,8	111,5	25 600	26 800	46,2	113,5	24 100	28 500	49,6	115,9	21 800	31 000		60,0
62,0	41,4	109,3	24 200	25 200	43,9	111,4	22 800	26 900	47,4	114,0	20 600	29 500		62,0
64,0	38,9	106,9	23 000	23 800	41,5	109,2	21 600	25 300	45,2	112,1	19 400	27 800		64,0
66,0	36,2	104,2	21 800	22 400	39,0	106,8	20 400	23 900	42,9	110,0	18 400	26 200		66,0
68,0	33,4	101,3	20 700	21 100	36,4	104,1	19 400	22 500	40,4	107,7	17 400	24 700		68,0
70,0	30,3	98,0	19 600	19 600	33,5	101,2	18 400	21 200	37,9	105,1	16 400	23 300		70,0
72,0	26,9	94,2	18 200	18 200	30,5	97,9	17 400	19 900	35,1	102,4	15 500	22 000		72,0
74,0	23,0	89,8	16 800	16 800	27,1	94,1	16 500	18 400	32,2	99,3	14 700	20 700		74,0
76,0	18,4	84,3	15 500	15 500	23,2	89,7	15 600	17 100	29,0	95,8	13 900	19 500		76,0
78,0	12,1	76,6	13 800	13 800	18,6	84,3	14 800	15 700	25,5	91,8	13 100	18 000		78,0
80,0					12,4	76,8	13 800	14 200	21,4	87,0	12 400	16 700		80,0
82,0									16,2	80,9	11 600	15 400		82,0
84,0														84,0
86,0														86,0
88,0														88,0
90,0														90,0
92,0														92,0
94,0														94,0
96,0														96,0
98,0														98,0

MLC300 VPC-MAX S-1

ASME B30.5



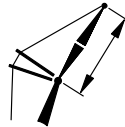
135 100 kg



360°



60,0 m



72,0 m

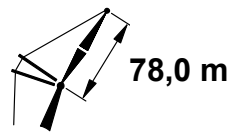
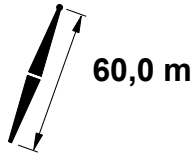
	75°				70°				65°			
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	m
29,0												29,0
30,0												30,0
32,0												32,0
34,0												34,0
36,0												36,0
38,0												38,0
40,0												40,0
42,0												42,0
44,0												44,0
46,0												46,0
48,0												48,0
50,0												50,0
52,0	62,3	123,8	23 200	34 500								52,0
54,0	60,5	122,7	21 700	32 700								54,0
56,0	58,6	121,4	20 400	31 000								56,0
58,0	56,7	120,1	19 200	29 500								58,0
60,0	54,8	118,7	18 000	28 100								60,0
62,0	52,8	117,2	17 000	26 700	57,7	119,2	13 400	24 000				62,0
64,0	50,7	115,6	15 900	25 500	55,8	117,8	12 500	22 800				64,0
66,0	48,6	113,9	15 000	24 300	53,8	116,4	11 700	21 700				66,0
68,0	46,5	112,0	14 100	23 200	51,8	114,8	10 900	20 700				68,0
70,0	44,2	110,0	13 300	22 200	49,7	113,2	10 100	19 800				70,0
72,0	41,8	107,8	12 500	21 200	47,6	111,4	9 400	18 900	52,7	113,4	16 600	72,0
74,0	39,3	105,4	11 700	20 300	45,3	109,4	8 800	18 000	50,6	111,8	15 800	74,0
76,0	36,7	102,8	11 000	19 400	43,0	107,3	8 100	17 200	48,5	110,1	15 100	76,0
78,0	33,9	99,9	10 300	18 600	40,6	105,0	7 500	16 500	46,3	108,2	14 400	78,0
80,0	30,9	96,7	9 600	17 800	38,1	102,5	6 900	15 700	44,0	106,1	13 700	80,0
82,0	27,6	93,0	9 000	17 100	35,4	99,8	6 400	15 000	41,7	103,9	13 100	82,0
84,0	23,8	88,7	8 400	16 300	32,5	96,7	5 900	14 400	39,2	101,5	12 500	84,0
86,0	19,3	83,4	7 800	15 600	29,3	93,3	5 400	13 700	36,5	98,9	11 900	86,0
88,0	13,4	76,3	7 200	15 000	25,8	89,3	4 900	13 100	33,7	96,0	11 300	88,0
90,0					21,7	84,6			30,7	92,7	10 800	90,0
92,0					16,7	78,6			27,3	89,0	10 300	92,0
94,0					9,2	69,4			23,5	84,7	9 800	94,0
96,0									19,0	79,3	9 300	96,0
98,0									12,9	72,0	8 800	98,0

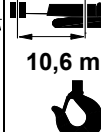
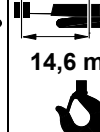
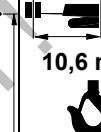
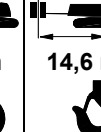
MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



	 85°				 83°				 80°					
 m	 °	 m	 10,6 m kg	 14,6 m kg	 °	 m	 10,6 m kg	 14,6 m kg	 °	 m	 10,6 m kg	 14,6 m kg	 m	
30,5	73,4	136,9	41 200	41 200										30,5
32,0	72,3	136,4	41 000	41 000										32,0
34,0	70,7	135,7	40 800	40 800										34,0
36,0	69,1	134,9	40 600	40 600	70,8	135,5	40 300	40 300						36,0
38,0	67,5	134,1	40 400	40 400	69,2	134,7	40 200	40 200						38,0
40,0	65,9	133,2	40 100	40 100	67,6	133,9	40 000	40 000						40,0
42,0	64,3	132,3	39 800	39 800	66,0	133,0	39 700	39 900						42,0
44,0	62,7	131,3	39 200	39 200	64,4	132,1	37 900	39 700	66,9	133,0	34 700	38 600		44,0
46,0	61,0	130,2	37 300	38 400	62,7	131,1	35 500	39 400	65,3	132,1	32 500	38 600		46,0
48,0	59,3	129,0	35 100	36 700	61,1	130,0	33 400	38 700	63,7	131,2	30 400	38 600		48,0
50,0	57,5	127,7	33 100	34 300	59,4	128,8	31 400	37 100	62,0	130,1	28 600	38 500		50,0
52,0	55,8	126,4	31 300	32 100	57,6	127,5	29 500	34 800	60,3	129,0	26 800	37 400		52,0
54,0	54,0	124,9	29 600	29 900	55,9	126,2	27 800	32 500	58,6	127,8	25 200	35 400		54,0
56,0	52,1	123,4	27 900	27 900	54,0	124,8	26 300	30 300	56,9	126,5	23 800	33 700		56,0
58,0	50,2	121,7	26 000	26 000	52,2	123,2	24 800	28 200	55,1	125,1	22 400	31 800		58,0
60,0	48,2	120,0	24 100	24 100	50,3	121,6	23 400	26 300	53,2	123,6	21 100	29 700		60,0
62,0	46,2	118,1	22 200	22 200	48,3	119,8	22 200	24 500	51,4	122,0	19 900	27 700		62,0
64,0	44,1	116,1	20 400	20 400	46,3	117,9	21 000	22 600	49,4	120,3	18 800	25 700		64,0
66,0	41,9	113,9	18 700	18 700	44,2	115,9	19 800	20 700	47,5	118,5	17 700	23 900		66,0
68,0	39,7	111,5	17 000	17 000	42,1	113,7	18 800	19 000	45,4	116,6	16 800	22 100		68,0
70,0	37,3	108,9	15 400	15 400	39,8	111,4	17 300	17 300	43,3	114,5	15 800	20 300		70,0
72,0	34,7	106,1	13 900	13 900	37,4	108,8	15 700	15 700	41,1	112,2	14 900	18 500		72,0
74,0	32,0	103,0	12 500	12 500	34,9	106,0	14 200	14 200	38,8	109,8	14 100	16 900		74,0
76,0	29,1	99,5	11 200	11 200	32,2	102,9	12 800	12 800	36,3	107,1	13 300	15 300		76,0
78,0	25,8	95,6	9 900	9 900	29,2	99,5	11 400	11 400	33,7	104,2	12 500	13 800		78,0
80,0	22,1	90,9	8 500	8 500	26,0	95,5	10 100	10 100	30,9	101,0	11 800	12 400		80,0
82,0	17,7	85,2	7 200	7 200	22,3	90,9	8 800	8 800	27,9	97,3	11 000	11 000		82,0
84,0	11,6	77,2	6 000	6 000	17,9	85,3	7 500	7 500	24,4	93,1	9 700	9 700		84,0
86,0					11,9	77,4	6 200	6 200	20,5	88,1	8 400	8 400		86,0
88,0									15,6	81,7	7 100	7 100		88,0
90,0														90,0
92,0														92,0
94,0														94,0
96,0														96,0
98,0														98,0
100,0														100,0
102,0														102,0
104,0														104,0

MLC300 VPC-MAX S-1

ASME B30.5



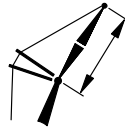
135 100 kg



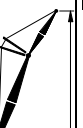
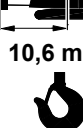
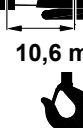
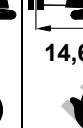
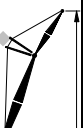
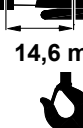
360°



60,0 m



78,0 m

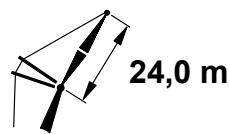
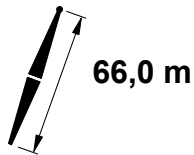
	75°				70°				65°			
												
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	m
30,5												30,5
32,0												32,0
34,0												34,0
36,0												36,0
38,0												38,0
40,0												40,0
42,0												42,0
44,0												44,0
46,0												46,0
48,0												48,0
50,0												50,0
52,0												52,0
54,0	63,0	129,5	21 000	32 100								54,0
56,0	61,3	128,4	19 700	30 500								56,0
58,0	59,6	127,3	18 400	28 900								58,0
60,0	57,9	126,0	17 300	27 500								60,0
62,0	56,1	124,7	16 200	26 200								62,0
64,0	54,3	123,3	15 200	24 900	58,7	125,0	11 700	22 200				64,0
66,0	52,4	121,7	14 300	23 800	57,0	123,7	10 900	21 200				66,0
68,0	50,6	120,1	13 400	22 700	55,2	122,4	10 100	20 200				68,0
70,0	48,6	118,4	12 600	21 700	53,4	120,9	9 400	19 200				70,0
72,0	46,6	116,5	11 800	20 700	51,5	119,3	8 700	18 300				72,0
74,0	44,5	114,5	11 000	19 800	49,6	117,6	8 000	17 500				74,0
76,0	42,3	112,3	10 300	18 900	47,6	115,8	7 400	16 700	52,3	117,9	14 500	76,0
78,0	40,1	110,0	9 600	18 000	45,6	113,9	6 800	15 900	50,4	116,3	13 800	78,0
80,0	37,7	107,5	9 000	16 600	43,5	111,8	6 200	15 200	48,5	114,5	13 100	80,0
82,0	35,2	104,7	8 400	15 000	41,3	109,6	5 700	14 500	46,5	112,7	12 500	82,0
84,0	32,5	101,6	7 800	13 500	38,9	107,1	5 200	13 900	44,4	110,7	11 900	84,0
86,0	29,6	98,2	7 200	12 100	36,5	104,5		13 200	42,2	108,5	11 300	86,0
88,0	26,4	94,4	6 700	10 800	33,9	101,6		12 600	39,9	106,1	10 800	88,0
90,0	22,8	89,9	6 200	9 500	31,1	98,4		12 100	37,6	103,6	10 300	90,0
92,0	18,5	84,4	5 700	8 200	28,1	94,8		11 500	35,0	100,8	9 800	92,0
94,0	12,9	77,0	5 100	6 900	24,7	90,6		10 400	32,3	97,7	9 300	94,0
96,0					20,8	85,7		9 100	29,4	94,3	8 800	96,0
98,0					16,0	79,5		7 900	26,2	90,4	8 400	98,0
100,0					8,8	69,9		6 600	22,6	85,9	7 900	100,0
102,0									18,2	80,3	7 500	102,0
104,0									12,4	72,7	7 100	104,0

MLC300 VPC-MAX S-1

ASME B30.5



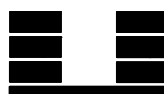
135 100 kg



	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
16,8	70,5	90,7	121 400 d	121 400 d									16,8
18,0	67,3	90,1	115 500 c	115 500 c									18,0
20,0	61,9	89,1	102 600 c	102 600 c	68,1	90,0	114 700 c	123 300 c					20,0
22,0	56,2	87,8	91 900 b	91 900 b	62,7	89,0	102 200 c	113 800 c					22,0
24,0	50,0	86,2	83 400	83 400	57,1	87,7	91 600 b	100 900 b					24,0
26,0	43,2	84,1	76 600	76 600	51,0	86,2	82 800	90 900	61,2	88,1	78 900 b	99 500 b	26,0
28,0	35,3	81,5	71 400	71 400	44,3	84,2	75 600	83 200	55,4	86,8	72 000 b	90 900 b	28,0
30,0	25,2	77,8	67 400	67 400	36,6	81,7	69 300	77 000	49,2	85,1	66 100	83 600	30,0
32,0					27,0	78,2	63 900	72 100	42,3	83,0	60 900	77 200	32,0
34,0									34,2	80,3	56 500	71 700	34,0
36,0									23,6	76,3	52 500	66 800	36,0
38,0													38,0
40,0													40,0
42,0													42,0
44,0													44,0
46,0													46,0
48,0													48,0
50,0													50,0
52,0													52,0

MLC300 VPC-MAX S-1

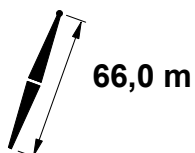
ASME B30.5



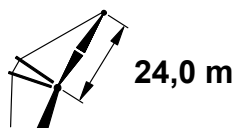
135 100 kg



360°



66,0 m



24,0 m

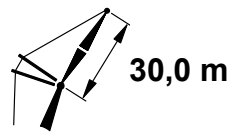
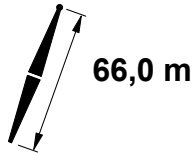
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
16,8													16,8
18,0													18,0
20,0													20,0
22,0													22,0
24,0													24,0
26,0													26,0
28,0													28,0
30,0													30,0
32,0	60,2	86,6	55 800 b	72 100 b									32,0
34,0	54,4	85,2	51 800 b	67 000 b									34,0
36,0	48,0	83,5	48 200	62 500									36,0
38,0	41,0	81,3	45 000	58 400									38,0
40,0	32,6	78,4	42 100	54 800	52,9	83,0	37 600	51 000					40,0
42,0					46,4	81,2	35 300	48 000					42,0
44,0	21,2	74,1	39 500	51 500	39,1	78,9	33 200	45 300					44,0
46,0					30,2	75,7	31 200	42 800	50,8	80,2	27 200	39 600	46,0
48,0					17,2	70,7	29 300	40 400	44,1	78,2	25 600	37 500	48,0
50,0									36,3	75,7	24 200	35 600	50,0
52,0									26,6	72,1	22 800	33 800	52,0

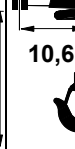
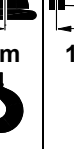
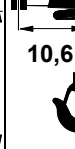
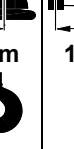
MLC300 VPC-MAX S-1

ASME B30.5



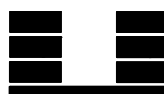
135 100 kg



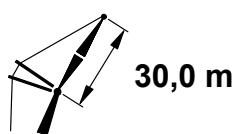
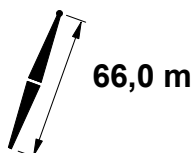
	85°				83°				80°				
 m	 °	 m	 kg	 kg	 °	 m	 kg	 kg	 °	 m	 kg	 kg	 m
18,3	71,5	96,5	108 600 c	108 600 c									18,3
20,0	67,9	95,8	103 600 b	103 600 b									20,0
22,0	63,7	94,8	92 200 b	92 200 b	68,6	95,7	101 700 c	109 200 c					22,0
24,0	59,3	93,7	83 200	83 200	64,3	94,7	91 100 b	102 900 b					24,0
26,0	54,6	92,3	75 900	75 900	60,0	93,6	82 400	92 400	67,4	94,9	78 300 b	98 900 b	26,0
28,0	49,7	90,6	70 000	70 000	55,3	92,2	75 200	83 900	63,1	93,9	71 500 b	90 400 b	28,0
30,0	44,3	88,7	65 100	65 100	50,4	90,6	69 000	76 900	58,7	92,7	65 600	83 100	30,0
32,0	38,3	86,2	61 100	61 100	45,2	88,7	63 700	71 100	54,0	91,3	60 500	76 700	32,0
34,0	31,3	83,2	57 900	57 900	39,3	86,4	59 000	66 400	49,0	89,6	56 100	71 300	34,0
36,0	22,4	78,9	55 700	55 700	32,5	83,4	55 000	62 600	43,6	87,6	52 200	66 500	36,0
38,0					23,9	79,4	51 300	59 700	37,5	85,1	48 800	62 200	38,0
40,0									30,3	81,9	45 700	58 400	40,0
42,0									20,9	77,4	42 900	54 900	42,0
44,0													44,0
46,0													46,0
48,0													48,0
50,0													50,0
52,0													52,0
54,0													54,0
56,0													56,0
58,0													58,0

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



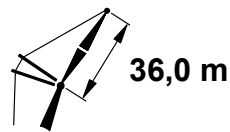
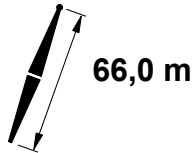
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
18,3													18,3
20,0													20,0
22,0													22,0
24,0													24,0
26,0													26,0
28,0													28,0
30,0													30,0
32,0													32,0
34,0	62,4	92,4	51 200 b	66 400 b									34,0
36,0	57,9	91,1	47 600	61 900									36,0
38,0	53,1	89,7	44 500	57 900									38,0
40,0	48,1	87,9	41 700	54 400									40,0
42,0	42,5	85,8	39 100	51 200	56,7	89,0	34 500	47 400					42,0
44,0	36,3	83,3	36 800	48 300	51,9	87,5	32 400	44 700					44,0
46,0	28,9	79,9	34 700	45 600	46,8	85,7	30 600	42 300					46,0
48,0	18,7	75,0	32 800	43 200	41,1	83,5	28 800	40 100	50,3	84,7	23 400	35 000	48,0
50,0					34,6	80,7	27 200	38 000	45,0	82,7	22 100	33 300	50,0
52,0					26,8	77,1	25 700	36 100	39,1	80,4	20 800	31 700	52,0
54,0									32,2	77,4	19 700	30 200	54,0
56,0									23,6	73,4	18 600	28 700	56,0
58,0													58,0

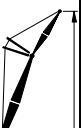
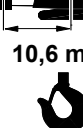
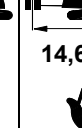
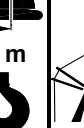
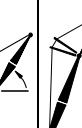
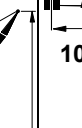
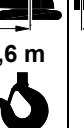
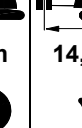
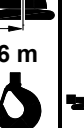
MLC300 VPC-MAX S-1

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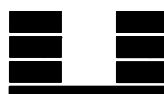
135 100 kg



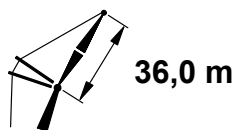
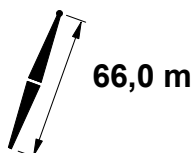
	85°					83°					80°				
															
	m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m	
19,8	72,1	102,3	98 100 b	98 100 b	98 100 b										19,8
20,0	71,8	102,2	97 700 b	97 700 b	97 700 b										20,0
22,0	68,4	101,5	92 100 b	92 100 b	92 100 b										22,0
24,0	64,9	100,5	83 100	83 100	83 100	68,9	101,3	90 000	98 900						24,0
26,0	61,3	99,5	75 500	75 500	75 500	65,4	100,4	81 300	94 300						26,0
28,0	57,5	98,2	69 300	69 300	69 300	61,8	99,4	74 100	84 900	67,9	100,5	70 200	89 200	28,0	
30,0	53,6	96,8	64 200	64 200	64 200	58,1	98,2	68 000	77 300	64,4	99,6	64 400	81 900	30,0	
32,0	49,4	95,1	59 800	59 800	59 800	54,2	96,7	62 700	71 100	60,8	98,5	59 300	75 600	32,0	
34,0	45,0	93,2	56 200	56 200	56 200	50,1	95,1	58 100	66 000	57,0	97,2	55 000	70 200	34,0	
36,0	40,2	90,9	53 100	53 100	53 100	45,7	93,2	54 100	61 700	53,1	95,8	51 100	65 400	36,0	
38,0	34,8	88,1	50 500	50 500	50 500	40,9	91,0	50 500	58 000	48,9	94,1	47 700	61 200	38,0	
40,0	28,4	84,7	48 400	48 500	48 500	35,6	88,3	47 300	55 000	44,4	92,1	44 700	57 400	40,0	
42,0	20,3	80,0	45 900	47 200	47 200	29,5	85,0	44 400	52 600	39,5	89,7	42 000	54 000	42,0	
44,0						21,7	80,6	41 700	50 800	34,0	86,9	39 500	50 900	44,0	
46,0										27,5	83,4	37 200	48 100	46,0	
48,0										19,0	78,4	35 100	45 600	48,0	
50,0														50,0	
52,0														52,0	
54,0														54,0	
56,0														56,0	
58,0														58,0	
60,0														60,0	
62,0														62,0	
64,0														64,0	

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135 100 kg



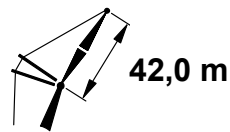
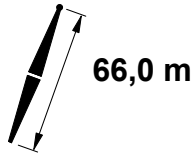
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
19,8													19,8
20,0													20,0
22,0													22,0
24,0													24,0
26,0													26,0
28,0													28,0
30,0													30,0
32,0													32,0
34,0													34,0
36,0													36,0
38,0													38,0
40,0	60,1	97,0	42 800	56 600									40,0
42,0	56,3	95,7	40 100	53 100									42,0
44,0	52,3	94,2	37 600	50 000									44,0
46,0	48,1	92,4	35 400	47 100									46,0
48,0	43,6	90,4	33 300	44 600	55,4	93,5	28 700	41 000					48,0
50,0	38,6	88,0	31 400	42 200	51,3	92,0	27 100	38 800					50,0
52,0	32,9	85,1	29 700	40 000	47,0	90,2	25 500	36 800					52,0
54,0	26,2	81,3	28 000	38 000	42,4	88,0	24 100	34 900					54,0
56,0	17,0	75,9	26 500	36 100	37,3	85,5	22 800	33 200	49,9	89,1	19 000	30 300	56,0
58,0					31,4	82,4	21 500	31 600	45,5	87,2	17 900	28 900	58,0
60,0					24,3	78,4	20 300	30 100	40,8	85,0	16 900	27 500	60,0
62,0									35,4	82,3	16 000	26 200	62,0
64,0									29,2	79,0	15 000	25 000	64,0
									21,4	74,5	14 200	23 900	64,0

MLC300 VPC-MAX S-1

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135 100 kg



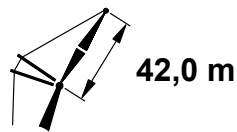
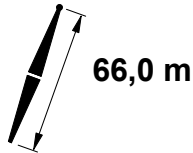
	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
21,3	72,6	108,1	86 900 b	86 900 b									21,3
22,0	71,6	107,9	86 600 b	86 600 b									22,0
24,0	68,7	107,1	83 300	83 300									24,0
26,0	65,7	106,2	76 000	76 000	69,1	107,0	80 800	85 700					26,0
28,0	62,6	105,2	69 600	69 600	66,2	106,1	73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

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135 100 kg



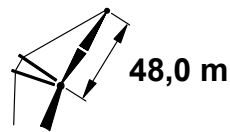
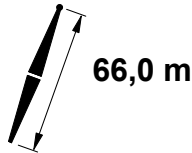
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
21,3													21,3
22,0													22,0
24,0													24,0
26,0													26,0
28,0													28,0
30,0													30,0
32,0													32,0
34,0													34,0
36,0													36,0
38,0													38,0
40,0	61,7	102,8	39 300	52 500									40,0
42,0	58,5	101,6	36 800	49 400									42,0
44,0	55,2	100,2	34 600	46 600									44,0
46,0	51,8	98,7	32 600	44 000									46,0
48,0	48,1	96,9	30 700	41 700	57,7	99,5	26 200	38 200					48,0
50,0	44,3	94,9	29 000	39 500	54,4	98,0	24 700	36 200					50,0
52,0	40,1	92,6	27 400	37 600	50,9	96,5	23 300	34 400					52,0
54,0	35,5	89,9	26 000	35 800	47,2	94,6	22 000	32 700					54,0
56,0	30,4	86,7	24 600	34 100	43,3	92,6	20 800	31 100					56,0
58,0	24,1	82,6	23 300	32 500	39,0	90,2	19 700	29 700	49,7	93,6	16 100	26 900	58,0
60,0	15,6	76,7	22 000	31 000	34,3	87,4	18 600	28 300	45,9	91,7	15 200	25 700	60,0
62,0					29,0	84,0	17 600	27 000	41,9	89,6	14 300	24 500	62,0
64,0					22,4	79,6	16 600	25 800	37,5	87,0	13 500	23 400	64,0
66,0									32,6	84,1	12 700	22 400	66,0
68,0									26,9	80,4	11 900	21 400	68,0
70,0									19,7	75,5	11 200	20 500	70,0

MLC300 VPC-MAX S-1

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135 100 kg



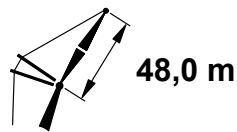
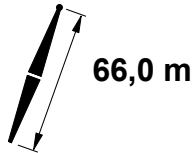
	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
22,9	72,9	114,0	77 100	77 100									22,9
24,0	71,5	113,6	77 000	77 000									24,0
26,0	68,9	112,8	76 400	76 400	71,9	113,4	76 500	76 700					26,0
28,0	66,3	111,9	69 700	69 700	69,3	112,7	72 500	76 700					28,0
30,0	63,7	111,0	64 100	64 100	66,7	111,8	66 400	76 700					30,0
32,0	60,9	109,9	59 300	59 300	64,1	110,9	61 100	73 600	68,6	111,9	57 500	73 700	32,0
34,0	58,1	108,6	55 300	55 300	61,4	109,8	56 500	67 600	66,0	111,0	53 200	68 400	34,0
36,0	55,3	107,3	51 800	51 800	58,6	108,6	52 500	62 500	63,3	110,0	49 400	63 700	36,0
38,0	52,3	105,8	48 800	48 800	55,7	107,2	49 000	58 200	60,6	108,9	46 000	59 500	38,0
40,0	49,1	104,1	46 100	46 100	52,7	105,7	45 800	54 500	57,8	107,7	43 000	55 700	40,0
42,0	45,8	102,2	43 800	43 800	49,6	104,1	43 000	51 400	54,9	106,3	40 400	52 400	42,0
44,0	42,3	100,0	41 800	41 800	46,3	102,2	40 400	48 600	51,9	104,7	37 900	49 400	44,0
46,0	38,6	97,6	39 700	40 100	42,9	100,1	38 100	46 300	48,7	103,0	35 700	46 600	46,0
48,0	34,5	94,8	37 500	38 600	39,2	97,7	36 000	44 200	45,4	101,1	33 700	44 100	48,0
50,0	29,8	91,5	35 400	37 400	35,1	95,0	34 000	42 300	41,9	98,9	31 900	41 900	50,0
52,0	24,4	87,4	33 600	36 400	30,6	91,7	32 200	39 700	38,1	96,4	30 100	39 700	52,0
54,0	17,4	81,9	31 800	33 500	25,3	87,8	30 600	37 200	33,9	93,6	28 500	37 800	54,0
56,0					18,6	82,6	29 000	34 900	29,2	90,2	27 000	36 000	56,0
58,0									23,6	86,0	25 600	34 300	58,0
60,0									16,3	80,1	24 200	32 700	60,0
62,0													62,0
64,0													64,0
66,0													66,0
68,0													68,0
70,0													70,0
72,0													72,0
74,0													74,0
76,0													76,0

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



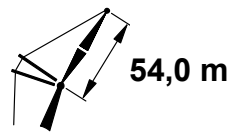
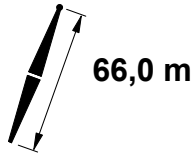
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
22,9													22,9
24,0													24,0
26,0													26,0
28,0													28,0
30,0													30,0
32,0													32,0
34,0													34,0
36,0													36,0
38,0													38,0
40,0													40,0
42,0	62,8	108,5	35 000	48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

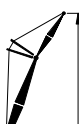
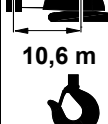
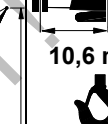
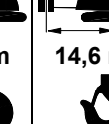
MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



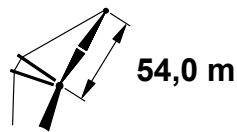
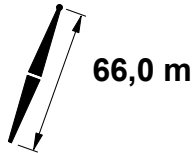
	 85°				 83°				 80°					
	 m	 °	 m	 kg	 kg	 °	 m	 kg	 kg	 °	 m	 kg		 kg
24,4	73,2	119,8	67 000	67 000										24,4
26,0	71,4	119,2	66 800	66 800										26,0
28,0	69,1	118,5	63 200	63 200										28,0
30,0	66,8	117,6	58 500	58 500	69,5	118,3	64 200	64 200						30,0
32,0	64,5	116,7	54 100	54 100	67,2	117,5	59 500	59 500						32,0
34,0	62,1	115,6	50 000	50 000	64,8	116,6	55 000	55 000						34,0
36,0	59,6	114,5	46 200	46 200	62,4	115,5	50 900	50 900	66,5	116,7	48 800	58 300		36,0
38,0	57,1	113,2	42 800	42 800	60,0	114,4	47 100	47 100	64,1	115,7	45 500	54 000	38,0	
40,0	54,5	111,8	39 600	39 600	57,5	113,1	43 600	43 600	61,7	114,7	42 500	50 000	40,0	
42,0	51,8	110,2	36 700	36 700	54,9	111,7	40 300	40 300	59,3	113,5	39 800	46 300	42,0	
44,0	49,0	108,5	34 100	34 100	52,2	110,2	37 300	37 300	56,8	112,2	37 400	42 800	44,0	
46,0	46,1	106,6	31 600	31 600	49,5	108,5	34 600	34 600	54,2	110,8	35 200	39 700	46,0	
48,0	43,0	104,6	29 300	29 300	46,6	106,7	32 100	32 100	51,5	109,2	33 100	36 800	48,0	
50,0	39,8	102,2	27 300	27 300	43,5	104,6	29 800	29 800	48,7	107,5	31 300	34 100	50,0	
52,0	36,2	99,6	25 300	25 300	40,3	102,3	27 700	27 700	45,7	105,6	29 500	31 600	52,0	
54,0	32,4	96,5	23 500	23 500	36,8	99,7	25 700	25 700	42,6	103,5	27 900	29 400	54,0	
56,0	28,1	93,0	21 900	21 900	33,0	96,8	23 900	23 900	39,3	101,1	26 400	27 300	56,0	
58,0	23,0	88,6	20 300	20 300	28,8	93,3	22 200	22 200	35,8	98,4	25 000	25 400	58,0	
60,0	16,4	82,7	18 900	18 900	23,8	89,1	20 600	20 600	31,9	95,3	23 500	23 500	60,0	
62,0					17,5	83,5	19 200	19 200	27,5	91,6	21 900	21 900	62,0	
64,0					6,5	73,3	17 800	17 800	22,2	87,1	20 300	20 300	64,0	
66,0									15,3	80,9	18 900	18 900	66,0	
68,0													68,0	
70,0													70,0	
72,0													72,0	
74,0													74,0	
76,0													76,0	
78,0													78,0	
80,0													80,0	
82,0													82,0	

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



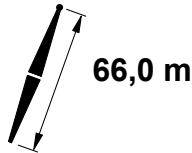
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
24,4													24,4
26,0													26,0
28,0													28,0
30,0													30,0
32,0													32,0
34,0													34,0
36,0													36,0
38,0													38,0
40,0													40,0
42,0													42,0
44,0													44,0
46,0	61,3	113,2	30 000	42 100									46,0
48,0	58,8	112,0	28 200	39 900									48,0
50,0	56,3	110,7	26 500	37 700									50,0
52,0	53,7	109,2	25 000	35 800									52,0
54,0	51,0	107,6	23 600	34 000									54,0
56,0	48,1	105,9	22 300	32 400	55,7	108,5	18 200	29 200					56,0
58,0	45,2	103,9	21 000	30 800	53,0	107,0	17 100	27 800					58,0
60,0	42,1	101,7	19 900	29 200	50,3	105,4	16 100	26 500					60,0
62,0	38,7	99,3	18 800	27 200	47,4	103,6	15 200	25 300					62,0
64,0	35,1	96,6	17 800	25 200	44,4	101,6	14 300	24 100	52,1	104,2	10 800	21 400	64,0
66,0	31,1	93,4	16 800	23 400	41,3	99,4	13 400	23 000	49,4	102,6	10 100	20 500	66,0
68,0	26,6	89,6	15 900	21 800	37,9	96,9	12 600	22 000	46,5	100,7	9 400	19 500	68,0
70,0	21,2	84,9	15 100	20 300	34,2	94,0	11 900	21 100	43,4	98,6	8 800	18 700	70,0
72,0	13,7	78,2	14 200	18 800	30,1	90,7	11 200	20 200	40,2	96,3	8 200	17 800	72,0
74,0					25,4	86,8	10 500	19 300	36,7	93,7	7 600	17 100	74,0
76,0					19,6	81,7	9 800	18 500	32,9	90,7	7 000	16 300	76,0
78,0									28,6	87,2	6 500	15 600	78,0
80,0									23,6	83,0	6 000	14 900	80,0
82,0									17,3	77,4	5 400	14 200	82,0

MLC300 VPC-MAX S-1

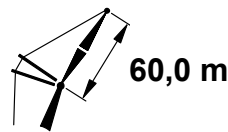
ASME B30.5



135 100 kg



66,0 m



60,0 m

	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
25,9	73,4	125,6	59 100	59 100									25,9
26,0	73,3	125,6	59 100	59 100									26,0
28,0	71,3	124,9	59 000	59 000									28,0
30,0	69,3	124,1	58 800	58 800									30,0
32,0	67,2	123,3	58 500	58 500	69,6	124,0	58 700	58 700					32,0
34,0	65,1	122,4	55 300	55 300	67,5	123,2	54 800	58 700					34,0
36,0	62,9	121,4	51 500	51 500	65,4	122,3	50 800	58 700					36,0
38,0	60,8	120,3	48 300	48 300	63,3	121,3	47 300	58 600	66,9	122,4	43 600	57 200	38,0
40,0	58,5	119,1	45 500	45 500	61,1	120,2	44 100	55 700	64,8	121,4	40 700	53 900	40,0
42,0	56,2	117,7	43 000	43 000	58,9	119,0	41 300	52 100	62,7	120,4	38 000	50 600	42,0
44,0	53,9	116,3	40 500	40 800	56,6	117,7	38 800	48 900	60,5	119,3	35 600	47 600	44,0
46,0	51,5	114,7	38 200	38 800	54,3	116,3	36 500	46 200	58,2	118,1	33 400	44 900	46,0
48,0	48,9	113,0	36 000	37 100	51,8	114,7	34 400	43 700	55,9	116,7	31 400	42 400	48,0
50,0	46,3	111,1	34 000	35 500	49,3	113,0	32 500	40 900	53,6	115,3	29 500	40 100	50,0
52,0	43,6	109,1	32 200	34 100	46,7	111,2	30 600	38 300	51,1	113,7	27 800	38 000	52,0
54,0	40,7	106,8	30 500	32 800	44,0	109,1	28 900	35 800	48,6	112,0	26 200	36 100	54,0
56,0	37,6	104,3	28 900	31 200	41,1	106,9	27 400	33 600	46,0	110,1	24 700	34 400	56,0
58,0	34,3	101,4	27 500	29 400	38,1	104,4	25 900	31 600	43,2	108,0	23 400	32 700	58,0
60,0	30,7	98,2	26 100	27 700	34,8	101,6	24 500	29 700	40,3	105,7	22 100	31 200	60,0
62,0	26,6	94,4	24 800	26 000	31,2	98,4	23 200	27 900	37,2	103,1	20 900	29 800	62,0
64,0	21,7	89,7	23 500	24 500	27,2	94,7	22 000	26 300	33,8	100,2	19 800	28 400	64,0
66,0	15,5	83,5	21 800	22 400	22,5	90,3	20 900	24 800	30,2	96,9	18 700	27 200	66,0
68,0					16,6	84,4	19 800	23 300	26,0	93,0	17 700	25 900	68,0
70,0					6,2	73,6	18 600	18 900	21,0	88,2	16 700	24 400	70,0
72,0									14,5	81,7	15 800	22 800	72,0
74,0													74,0
76,0													76,0
78,0													78,0
80,0													80,0
82,0													82,0
84,0													84,0
86,0													86,0
88,0													88,0

MLC300 VPC-MAX S-1

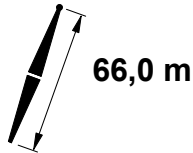
ASME B30.5



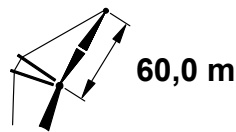
135 100 kg



360°



66,0 m



60,0 m

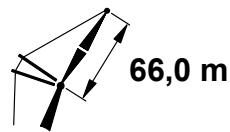
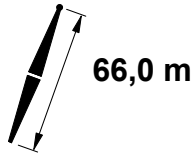
	75°				70°				65°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
25,9													25,9
26,0													26,0
28,0													28,0
30,0													30,0
32,0													32,0
34,0													34,0
36,0													36,0
38,0													38,0
40,0													40,0
42,0													42,0
44,0													44,0
46,0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

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



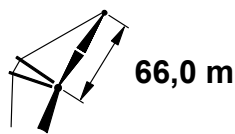
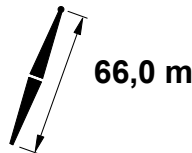
	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
27,4	73,6	131,4	51 300	51 300									27,4
28,0	73,0	131,2	51 300	51 300									28,0
30,0	71,2	130,5	51 200	51 200									30,0
32,0	69,4	129,8	51 100	51 100	71,5	130,4	50 800	50 800					32,0
34,0	67,5	128,9	50 800	50 800	69,6	129,6	50 800	50 800					34,0
36,0	65,6	128,0	50 500	50 500	67,8	128,8	49 700	50 800					36,0
38,0	63,6	127,1	48 300	48 300	65,9	127,9	46 600	50 800					38,0
40,0	61,7	126,0	45 400	45 400	63,9	127,0	43 500	50 700	67,2	128,0	39 700	49 400	40,0
42,0	59,7	124,8	42 600	42 800	62,0	125,9	40 700	50 600	65,3	127,1	37 000	49 100	42,0
44,0	57,6	123,6	40 000	40 500	60,0	124,8	38 100	49 400	63,4	126,1	34 600	46 900	44,0
46,0	55,5	122,2	37 600	38 500	57,9	123,5	35 700	46 400	61,4	125,0	32 400	44 200	46,0
48,0	53,4	120,8	35 400	36 700	55,8	122,2	33 600	43 300	59,4	123,9	30 400	41 700	48,0
50,0	51,1	119,2	33 400	35 000	53,7	120,7	31 600	40 300	57,4	122,6	28 600	39 500	50,0
52,0	48,9	117,4	31 600	33 600	51,5	119,2	29 800	37 700	55,2	121,2	26 900	37 400	52,0
54,0	46,5	115,6	29 900	32 200	49,2	117,5	28 100	35 300	53,1	119,8	25 300	35 500	54,0
56,0	44,0	113,5	28 300	30 700	46,8	115,6	26 500	33 100	50,9	118,1	23 800	33 700	56,0
58,0	41,4	111,3	26 800	28 900	44,4	113,6	25 100	31 000	48,6	116,4	22 500	32 100	58,0
60,0	38,7	108,9	25 400	27 200	41,8	111,4	23 700	29 200	46,2	114,5	21 200	30 600	60,0
62,0	35,7	106,2	24 100	25 600	39,1	109,0	22 500	27 500	43,7	112,5	20 000	29 100	62,0
64,0	32,6	103,1	22 800	24 100	36,2	106,3	21 300	25 900	41,1	110,2	18 900	27 800	64,0
66,0	29,1	99,7	21 600	22 800	33,1	103,4	20 100	24 400	38,3	107,7	17 900	26 600	66,0
68,0	25,2	95,7	20 500	21 400	29,7	100,0	19 100	23 000	35,3	105,0	16 900	25 400	68,0
70,0	20,6	90,8	19 500	19 900	25,9	96,1	18 100	21 700	32,2	101,9	16 000	24 000	70,0
72,0	14,6	84,2	18 000	18 000	21,4	91,3	17 100	20 300	28,6	98,4	15 100	22 700	72,0
74,0					15,7	85,1	16 200	18 800	24,7	94,3	14 200	21 400	74,0
76,0					5,6	73,6	14 900	15 200	19,9	89,2	13 400	20 100	76,0
78,0									13,7	82,3	12 600	18 500	78,0
80,0													80,0
82,0													82,0
84,0													84,0
86,0													86,0
88,0													88,0
90,0													90,0
92,0													92,0
94,0													94,0
96,0													96,0

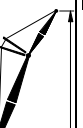
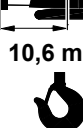
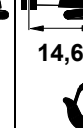
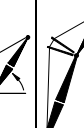
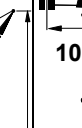
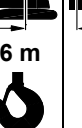
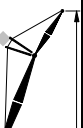
MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



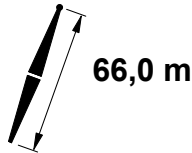
	75°				70°				65°			
												
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	m
27,4												27,4
28,0												28,0
30,0												30,0
32,0												32,0
34,0												34,0
36,0												36,0
38,0												38,0
40,0												40,0
42,0												42,0
44,0												44,0
46,0												46,0
48,0												48,0
50,0												50,0
52,0	61,1	123,5	22 100	33 600								52,0
54,0	59,0	122,4	20 700	31 900								54,0
56,0	57,0	121,1	19 400	30 300								56,0
58,0	54,9	119,7	18 200	28 800								58,0
60,0	52,7	118,2	17 100	27 400								60,0
62,0	50,5	116,5	16 000	26 100	56,5	118,9	12 100	23 000				62,0
64,0	48,1	114,8	15 100	24 800	54,3	117,5	11 300	21 900				64,0
66,0	45,7	112,9	14 100	23 700	52,2	116,0	10 500	20 900				66,0
68,0	43,2	110,8	13 300	22 600	49,9	114,3	9 700	19 900				68,0
70,0	40,6	108,5	12 500	21 600	47,6	112,5	9 000	18 900				70,0
72,0	37,8	106,0	11 700	20 600	45,1	110,6	8 300	18 100	51,4	113,2	15 600	72,0
74,0	34,8	103,2	10 900	19 700	42,6	108,4	7 700	17 200	49,1	111,5	14 800	74,0
76,0	31,6	100,0	10 200	18 900	39,9	106,1	7 100	16 500	46,8	109,6	14 100	76,0
78,0	28,0	96,4	9 600	18 100	37,1	103,5	6 500	15 700	44,3	107,6	13 400	78,0
80,0	23,9	92,2	8 900	17 300	34,0	100,6	6 000	15 000	41,7	105,4	12 800	80,0
82,0	19,0	86,9	8 300	16 500	30,7	97,4	5 400	14 300	39,0	103,0	12 200	82,0
84,0					27,0	93,6	4 900	13 700	36,1	100,3	11 600	84,0
86,0					22,8	89,2		13 100	33,0	97,3	11 000	86,0
88,0					17,6	83,5		12 500	29,5	93,9	10 500	88,0
90,0									25,7	90,0	10 000	90,0
92,0									21,2	85,2	9 500	92,0
94,0									15,5	78,9	9 000	94,0
96,0									4,8	66,8	8 400	96,0

MLC300 VPC-MAX S-1

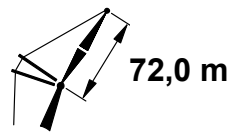
ASME B30.5



135 100 kg



66,0 m



72,0 m

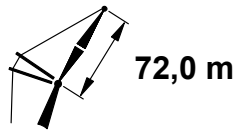
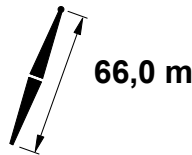
85°					83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
29,0	73,7	137,2	44 500	44 500									29,0
30,0	72,8	136,9	44 500	44 500									30,0
32,0	71,2	136,2	44 300	44 300									32,0
34,0	69,5	135,4	44 200	44 200	71,4	136,0	43 900	43 900					34,0
36,0	67,7	134,6	44 000	44 000	69,7	135,3	43 900	43 900					36,0
38,0	66,0	133,7	43 700	43 700	68,0	134,5	43 900	43 900					38,0
40,0	64,2	132,8	43 400	43 400	66,3	133,6	43 100	43 800					40,0
42,0	62,4	131,8	42 200	42 500	64,5	132,7	40 300	43 700	67,5	133,7	36 600	42 400	42,0
44,0	60,6	130,6	39 800	40 600	62,7	131,6	37 700	43 100	65,8	132,8	34 200	42 400	44,0
46,0	58,8	129,4	37 400	38 500	60,9	130,5	35 400	42 200	64,0	131,8	32 000	42 400	46,0
48,0	56,9	128,1	35 200	36 700	59,1	129,4	33 200	41 200	62,2	130,8	30 000	41 400	48,0
50,0	54,9	126,8	33 200	35 000	57,2	128,1	31 300	40 000	60,4	129,7	28 200	39 200	50,0
52,0	52,9	125,3	31 400	33 400	55,2	126,7	29 500	37 700	58,5	128,5	26 500	37 100	52,0
54,0	50,9	123,7	29 700	32 000	53,3	125,2	27 800	35 300	56,6	127,2	24 900	35 200	54,0
56,0	48,8	121,9	28 100	30 600	51,2	123,6	26 200	33 100	54,7	125,8	23 500	33 500	56,0
58,0	46,6	120,1	26 600	28 900	49,1	121,9	24 800	31 000	52,7	124,2	22 100	31 800	58,0
60,0	44,4	118,0	25 200	27 200	47,0	120,1	23 400	29 200	50,6	122,6	20 900	30 300	60,0
62,0	42,0	115,9	23 800	25 600	44,7	118,1	22 200	27 500	48,5	120,9	19 700	28 900	62,0
64,0	39,5	113,5	22 600	24 100	42,4	115,9	21 000	25 900	46,3	119,0	18 600	27 600	64,0
66,0	36,9	110,9	21 400	22 800	39,9	113,6	19 900	24 400	44,1	117,0	17 600	26 400	66,0
68,0	34,1	108,0	20 300	21 500	37,3	111,0	18 800	23 000	41,7	114,8	16 600	25 200	68,0
70,0	31,1	104,8	19 300	20 000	34,6	108,2	17 800	21 700	39,2	112,4	15 700	24 000	70,0
72,0	27,8	101,2	18 300	18 600	31,6	105,1	16 900	20 400	36,6	109,7	14 800	22 700	72,0
74,0	24,1	96,9	17 200	17 200	28,4	101,5	16 000	19 000	33,8	106,8	14 000	21 400	74,0
76,0	19,7	91,8	15 900	15 900	24,7	97,4	15 200	17 600	30,7	103,6	13 200	20 200	76,0
78,0	14,0	84,9	14 500	14 500	20,4	92,4	14 300	16 200	27,4	99,9	12 400	18 800	78,0
80,0					15,0	85,9	13 600	14 900	23,6	95,5	11 700	17 400	80,0
82,0									19,1	90,2	11 000	16 100	82,0
84,0									13,1	82,9	10 300	14 800	84,0
86,0													86,0
88,0													88,0
90,0													90,0
92,0													92,0
94,0													94,0
96,0													96,0
98,0													98,0
100,0													100,0
102,0													102,0

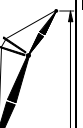
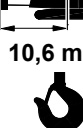
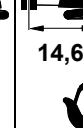
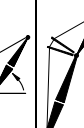
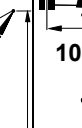
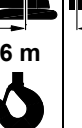
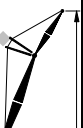
MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



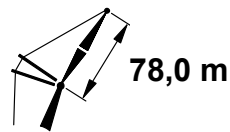
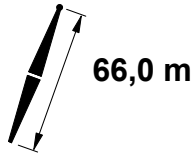
	75°				70°				65°			
												
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	m
29,0												29,0
30,0												30,0
32,0												32,0
34,0												34,0
36,0												36,0
38,0												38,0
40,0												40,0
42,0												42,0
44,0												44,0
46,0												46,0
48,0												48,0
50,0												50,0
52,0	63,7	130,4	21 600	33 300								52,0
54,0	61,9	129,3	20 200	31 600								54,0
56,0	60,1	128,2	18 900	29 900								56,0
58,0	58,2	126,9	17 800	28 400								58,0
60,0	56,3	125,6	16 700	27 100								60,0
62,0	54,3	124,2	15 600	25 800								62,0
64,0	52,3	122,7	14 700	24 500	57,7	124,8	10 800	21 500				64,0
66,0	50,3	121,0	13 700	23 400	55,8	123,5	10 000	20 500				66,0
68,0	48,1	119,3	12 900	22 300	53,8	122,0	9 300	19 500				68,0
70,0	45,9	117,3	12 100	21 300	51,8	120,5	8 600	18 600				70,0
72,0	43,7	115,3	11 300	20 400	49,8	118,8	7 900	17 800				72,0
74,0	41,3	113,0	10 600	19 500	47,6	117,0	7 300	16 900				74,0
76,0	38,8	110,6	9 900	18 600	45,4	115,1	6 700	16 200	51,1	117,7	13 700	76,0
78,0	36,1	107,9	9 300	17 800	43,1	113,0	6 100	15 400	49,1	116,0	13 100	78,0
80,0	33,3	105,0	8 600	17 100	40,7	110,7	5 600	14 700	46,9	114,1	12 400	80,0
82,0	30,2	101,6	8 000	16 300	38,1	108,2	5 100	14 100	44,6	112,1	11 800	82,0
84,0	26,7	97,8	7 500	15 600	35,4	105,4		13 400	42,3	110,0	11 300	84,0
86,0	22,9	93,4	6 900	15 000	32,5	102,4		12 800	39,8	107,6	10 700	86,0
88,0	18,2	87,8	6 400	14 300	29,4	99,0		12 200	37,2	105,0	10 200	88,0
90,0					25,8	95,0		11 700	34,5	102,2	9 700	90,0
92,0					21,8	90,3		11 100	31,5	99,0	9 200	92,0
94,0					16,8	84,4		10 600	28,2	95,4	8 700	94,0
96,0					9,4	75,3		10 100	24,6	91,3	8 300	96,0
98,0									20,3	86,3	7 900	98,0
100,0									14,8	79,7	7 400	100,0
102,0									4,6	67,1	7 000	102,0

MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



	85°				83°				80°				
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	kg	m
30,5	73,8	143,0	38 300	38 300									30,5
32,0	72,7	142,5	38 200	38 200									32,0
34,0	71,1	141,8	38 100	38 100									34,0
36,0	69,5	141,1	37 900	37 900									36,0
38,0	68,0	140,3	37 700	37 700	69,8	141,0	37 500	37 500					38,0
40,0	66,4	139,4	37 400	37 400	68,2	140,2	37 500	37 500					40,0
42,0	64,7	138,5	37 200	37 200	66,6	139,3	37 300	37 300					42,0
44,0	63,1	137,5	36 900	36 900	65,0	138,4	36 900	37 200	67,8	139,4	33 400	36 100	44,0
46,0	61,4	136,4	36 500	36 500	63,3	137,4	34 700	37 000	66,1	138,5	31 300	36 100	46,0
48,0	59,7	135,2	34 800	35 300	61,7	136,3	32 600	36 800	64,5	137,6	29 300	36 100	48,0
50,0	58,0	134,0	32 700	33 900	60,0	135,2	30 600	36 600	62,9	136,5	27 500	36 100	50,0
52,0	56,2	132,7	30 800	32 400	58,3	133,9	28 800	35 300	61,2	135,4	25 800	36 000	52,0
54,0	54,4	131,3	29 100	30 300	56,5	132,6	27 100	33 100	59,5	134,3	24 200	34 700	54,0
56,0	52,6	129,8	27 500	28 300	54,7	131,2	25 600	30 900	57,8	133,0	22 800	33 000	56,0
58,0	50,7	128,1	26 000	26 400	52,9	129,7	24 200	28 900	56,0	131,7	21 400	31 300	58,0
60,0	48,8	126,4	24 400	24 400	51,0	128,1	22 800	26 900	54,2	130,3	20 200	29 800	60,0
62,0	46,8	124,5	22 600	22 600	49,1	126,4	21 600	25 100	52,3	128,7	19 000	28 400	62,0
64,0	44,7	122,6	20 700	20 700	47,1	124,6	20 400	23 100	50,5	127,1	17 900	26 700	64,0
66,0	42,5	120,4	19 000	19 000	45,0	122,6	19 300	21 300	48,5	125,4	16 900	24 800	66,0
68,0	40,3	118,1	17 400	17 400	42,9	120,5	18 200	19 600	46,5	123,5	15 900	23 000	68,0
70,0	37,9	115,6	15 800	15 800	40,6	118,2	17 300	17 900	44,4	121,5	15 000	21 200	70,0
72,0	35,4	112,8	14 300	14 300	38,3	115,7	16 200	16 300	42,2	119,3	14 200	19 400	72,0
74,0	32,7	109,8	12 900	12 900	35,8	113,0	14 800	14 800	40,0	117,0	13 400	17 700	74,0
76,0	29,9	106,4	11 500	11 500	33,2	110,0	13 300	13 300	37,6	114,4	12 600	16 100	76,0
78,0	26,7	102,6	10 200	10 200	30,3	106,7	11 900	11 900	35,1	111,6	11 800	14 600	78,0
80,0	23,1	98,2	8 900	8 900	27,2	103,0	10 600	10 600	32,4	108,6	11 100	13 100	80,0
82,0	18,9	92,8	7 600	7 600	23,7	98,6	9 300	9 300	29,5	105,1	10 500	11 700	82,0
84,0	13,4	85,6	6 300	6 300	19,6	93,4	8 000	8 000	26,3	101,3	9 800	10 400	84,0
86,0					14,4	86,6	6 700	6 700	22,6	96,7	9 000	9 100	86,0
88,0									18,3	91,2	7 800	7 800	88,0
90,0									12,5	83,6	6 500	6 500	90,0
92,0													92,0
94,0													94,0
96,0													96,0
98,0													98,0
100,0													100,0
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104,0													104,0
106,0													106,0

MLC300 VPC-MAX S-1

ASME B30.5



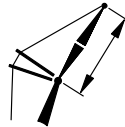
135 100 kg



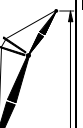
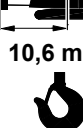
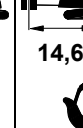
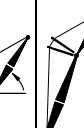
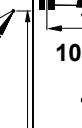
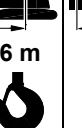
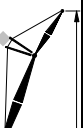
360°



66,0 m



78,0 m

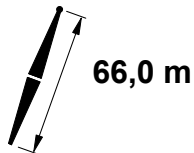
	75°				70°				65°			
												
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	m
30,5												30,5
32,0												32,0
34,0												34,0
36,0												36,0
38,0												38,0
40,0												40,0
42,0												42,0
44,0												44,0
46,0												46,0
48,0												48,0
50,0												50,0
52,0												52,0
54,0												54,0
56,0	62,6	135,0	18 100	29 400								56,0
58,0	60,9	133,9	17 000	27 900								58,0
60,0	59,2	132,8	15 900	26 500								60,0
62,0	57,5	131,5	14 900	25 200								62,0
64,0	55,7	130,1	13 900	24 000								64,0
66,0	53,9	128,7	13 000	22 900								66,0
68,0	52,0	127,2	12 200	21 800	57,0	129,4	8 400	18 900				68,0
70,0	50,1	125,5	11 400	20 800	55,2	128,0	7 800	18 000				70,0
72,0	48,2	123,7	10 600	19 900	53,4	126,5	7 100	17 200				72,0
74,0	46,1	121,8	9 900	19 000	51,6	125,0	6 500	16 400				74,0
76,0	44,0	119,8	9 200	18 100	49,6	123,3	5 900	15 600				76,0
78,0	41,8	117,6	8 600	17 300	47,7	121,5	5 400	14 900	52,8	123,8	12 500	78,0
80,0	39,6	115,2	8 000	16 600	45,6	119,6	4 800	14 200	50,9	122,1	11 800	80,0
82,0	37,2	112,6	7 400	15 900	43,5	117,5		13 500	49,0	120,4	11 200	82,0
84,0	34,6	109,8	6 800	14 700	41,3	115,2		12 900	47,0	118,6	10 700	84,0
86,0	31,9	106,7	6 300	13 200	39,0	112,8		12 300	44,9	116,6	10 100	86,0
88,0	28,9	103,2	5 800	11 800	36,6	110,2		11 700	42,8	114,5	9 600	88,0
90,0	25,7	99,2	5 300	10 500	34,0	107,3		11 200	40,5	112,2	9 100	90,0
92,0	21,9	94,5	4 800	9 200	31,2	104,1		10 700	38,2	109,7	8 700	92,0
94,0	17,4	88,7		7 900	28,2	100,5		10 200	35,7	107,0	8 200	94,0
96,0	11,2	80,5		6 700	24,8	96,3		9 700	33,1	104,0	7 800	96,0
98,0					20,9	91,4		9 100	30,2	100,7	7 300	98,0
100,0					16,1	85,3		7 900	27,1	96,9	6 900	100,0
102,0					9,0	75,8		6 700	23,6	92,5	6 500	102,0
104,0									19,5	87,3	6 200	104,0
106,0									14,2	80,4	5 800	106,0

MLC300 VPC-MAX S-1

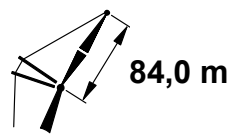
ASME B30.5



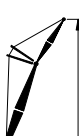
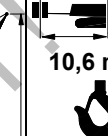
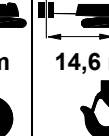
135 100 kg



66,0 m



84,0 m

 85°					 83°					 80°						
 m		 m	 10,6 m kg	 14,6 m kg			 m	 10,6 m kg	 14,6 m kg			 m	 10,6 m kg	 14,6 m kg	 m	
32,0	73,9	148,8	32 600	32 600												32,0
34,0	72,5	148,2	32 400	32 400												34,0
36,0	71,1	147,5	32 200	32 200												36,0
38,0	69,6	146,8	32 000	32 000												38,0
40,0	68,1	146,0	31 700	31 700	69,8	146,6	31 700	31 700								40,0
42,0	66,7	145,1	31 200	31 200	68,4	145,8	31 500	31 500								42,0
44,0	65,2	144,2	30 400	30 400	66,9	145,0	31 300	31 300								44,0
46,0	63,6	143,2	29 600	29 600	65,4	144,1	30 700	30 700	68,0	145,0	30 300	30 400				46,0
48,0	62,1	142,2	28 900	28 900	63,9	143,1	29 900	29 900	66,5	144,2	28 800	30 300				48,0
50,0	60,5	141,0	28 200	28 200	62,3	142,1	29 200	29 200	65,0	143,3	27 000	30 300				50,0
52,0	58,9	139,8	27 600	27 600	60,8	140,9	28 400	28 500	63,4	142,3	25 300	29 800				52,0
54,0	57,3	138,6	27 000	27 000	59,2	139,8	26 800	27 900	61,9	141,2	23 800	29 100				54,0
56,0	55,7	137,2	26 500	26 500	57,6	138,5	25 200	27 300	60,3	140,1	22 400	28 500				56,0
58,0	54,0	135,8	25 600	25 900	55,9	137,2	23 800	26 700	58,7	138,9	21 000	27 900				58,0
60,0	52,3	134,2	24 200	24 800	54,3	135,7	22 500	26 200	57,1	137,6	19 800	27 300				60,0
62,0	50,5	132,6	22 900	23 100	52,6	134,2	21 200	25 300	55,5	136,2	18 600	26 700				62,0
64,0	48,7	130,9	21 500	21 500	50,8	132,6	20 000	23 600	53,8	134,8	17 500	26 200				64,0
66,0	46,9	129,0	20 000	20 000	49,0	130,9	18 900	22 000	52,1	133,2	16 500	25 200				66,0
68,0	44,9	127,1	18 500	18 500	47,1	129,1	17 900	20 400	50,3	131,6	15 600	23 500				68,0
70,0	43,0	124,9	17 100	17 100	45,2	127,1	16 900	18 900	48,5	129,8	14 700	21 800				70,0
72,0	40,9	122,7	15 800	15 800	43,3	125,0	16 000	17 500	46,6	128,0	13 800	20 200				72,0
74,0	38,7	120,2	14 500	14 500	41,2	122,8	15 100	16 100	44,7	126,0	13 000	18 700				74,0
76,0	36,5	117,6	13 300	13 300	39,1	120,3	14 300	14 900	42,7	123,8	12 200	17 300				76,0
78,0	34,1	114,7	12 000	12 000	36,8	117,7	13 500	13 600	40,6	121,5	11 500	16 000				78,0
80,0	31,5	111,5	10 800	10 800	34,4	114,9	12 400	12 400	38,4	119,1	10 800	14 700				80,0
82,0	28,7	108,0	9 600	9 600	31,9	111,7	11 100	11 100	36,2	116,4	10 100	13 400				82,0
84,0	25,7	104,0	8 400	8 400	29,2	108,3	9 900	9 900	33,7	113,5	9 500	12 200				84,0
86,0	22,3	99,4	7 300	7 300	26,2	104,4	8 800	8 800	31,2	110,2	8 900	11 000				86,0
88,0	18,2	93,8	6 100	6 100	22,8	99,8	7 600	7 600	28,4	106,7	8 300	9 800				88,0
90,0					18,9	94,4	6 400	6 400	25,3	102,6	7 800	8 600				90,0
92,0					13,9	87,4	5 200	5 200	21,8	97,9	7 200	7 400				92,0
94,0									17,6	92,1	6 300	6 300				94,0
96,0									12,1	84,2	5 100	5 100				96,0
98,0																98,0
100,0																100,0
102,0																102,0
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108,0																108,0

MLC300 VPC-MAX S-1

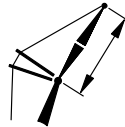
ASME B30.5



135 100 kg



66,0 m



84,0 m

	75°				70°				65°			
m	°	m	kg	kg	°	m	kg	kg	°	m	kg	m
32,0												32,0
34,0												34,0
36,0												36,0
38,0												38,0
40,0												40,0
42,0												42,0
44,0												44,0
46,0												46,0
48,0												48,0
50,0												50,0
52,0												52,0
54,0												54,0
56,0												56,0
58,0	63,2	140,8	16 500	27 500								58,0
60,0	61,6	139,7	15 400	26 100								60,0
62,0	60,1	138,6	14 400	24 900								62,0
64,0	58,5	137,3	13 400	23 600								64,0
66,0	56,8	136,0	12 500	22 500								66,0
68,0	55,2	134,7	11 700	21 500								68,0
70,0	53,5	133,2	10 900	20 500								70,0
72,0	51,8	131,6	10 200	19 500	56,4	133,9	6 600	16 800				72,0
74,0	50,0	130,0	9 500	18 700	54,8	132,5	6 000	16 000				74,0
76,0	48,2	128,2	8 800	17 800	53,1	131,0	5 400	15 200				76,0
78,0	46,3	126,3	8 200	17 000	51,3	129,5	4 900	14 500				78,0
80,0	44,3	124,3	7 500	16 300	49,5	127,8		13 800				80,0
82,0	42,3	122,1	7 000	15 600	47,7	126,0		13 200	52,5	128,3	10 900	82,0
84,0	40,2	119,8	6 400	14 900	45,8	124,0		12 600	50,7	126,6	10 300	84,0
86,0	38,1	117,3	5 900	14 200	43,9	122,0		12 000	48,9	124,9	9 800	86,0
88,0	35,7	114,6	5 400	13 400	41,8	119,8		11 400	47,1	123,1	9 300	88,0
90,0	33,3	111,6	4 900	12 300	39,7	117,4		10 900	45,2	121,1	8 800	90,0
92,0	30,7	108,3		11 100	37,5	114,9		10 400	43,2	119,0	8 300	92,0
94,0	27,8	104,7		9 900	35,2	112,1		9 900	41,1	116,8	7 900	94,0
96,0	24,7	100,5		8 700	32,7	109,0		9 400	39,0	114,3	7 400	96,0
98,0	21,1	95,6		7 600	30,0	105,7		8 900	36,7	111,7	7 000	98,0
100,0	16,8	89,6		6 400	27,1	101,9		8 500	34,4	108,8	6 600	100,0
102,0	10,8	81,1		5 300	23,9	97,6		8 100	31,8	105,7	6 200	102,0
104,0					20,1	92,5		7 500	29,1	102,2	5 800	104,0
106,0					15,5	86,1		6 400	26,1	98,3	5 400	106,0
108,0					8,7	76,3		5 300	22,7	93,8	5 000	108,0