

# Liftcrane Boom Capacities With Luffing Jib Attached

Boom No. B65:505-500  
Luffing Jib No. LJ11:500-501  
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, luffing jib lengths, boom-to-luffing jib angles, and boom operating radii are for freely suspended loads and may be based on percent of static tipping or strength of structural components. Capacities must be reduced by applicable deducts.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of load. Weight of luffing jib and 5 000 kg suspended beneath luffing jib point sheaves have been included in capacity determination. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

**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. During operation, luffing jib must be maintained at proper boom-to-luffing jib angle shown in table. Refer to Luffing Jib Rigging **No. 84050217**, Mast Rigging **No. 84045340**, Wire Rope Specifications chart **No. 9732-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:** Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.





**BOOM POINT ELEVATION:** Boom point elevation is vertical distance from ground level to centerline of boom 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 boom and luffing jib on ground or while boom and luffing jib are within operating range of capacity chart.

Consult Chart **No. 9660-AM** for luffing jib capacities.

Luffing Jib Position During Operation	
 Luffing Jib Length Meters	 Boom-to-Luffing Jib Angle Degrees
24,0 - 30,0	140
36,0 - 48,0	155
54,0 - 84,0	169

**Explanation of Symbols**



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



VPC (Variable Position Counterweight)



360 Degree Rating



Luffing Jib Length



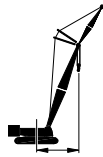
Boom-to-Luffing Jib Angle



Boom Length

REFERENCE ONLY!

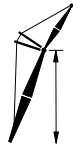
**Explanation of Symbols**  
(continued)



Operating Radius  
(see page 1)



Boom Angle  
(see page 1)



Boom Point Elevation  
(see page 1)



Counterweight Position  
from Axis of Rotation



Lifting Capacities  
(see page 1)

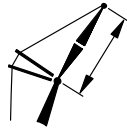
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# MLC300 VPC-MAX S-1

ASME B30.5



135 100 kg



24,0 m



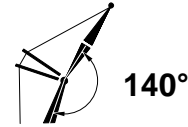
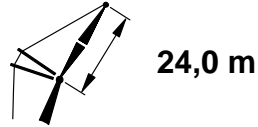
140°

54,0 m				
m	°	m	kg	kg
7,3	85,0	55,9	252 500	252 500
7,5	84,8	55,9	252 400	252 400
8,0	84,3	55,8	252 000	252 000
8,5	83,7	55,7	251 600	251 600
9,0	83,2	55,7	249 400	249 400
9,5	82,7	55,6	242 600	245 800
10,0	82,1	55,5	230 300	243 800
11,0	81,0	55,4	200 400	243 800
12,0	80,0	55,2	176 600	237 300
14,0	77,8	54,7	140 500	199 300
16,0	75,6	54,2	114 200	161 600
18,0	73,4	53,6	94 000	133 800
20,0	71,1	52,9	78 300	112 900
22,0	68,9	52,2	65 800	96 700
24,0	66,6	51,3	55 400	83 500
26,0	64,2	50,3	46 700	72 600
28,0	61,8	49,3	39 400	63 700
30,0	59,3	48,1	33 100	56 000
32,0	56,8	46,8	27 600	49 400
34,0	54,2	45,3	22 800	43 700
36,0	51,5	43,8	18 500	38 700
38,0	48,7	42,0	14 700	34 200
40,0	45,7	40,1	11 300	30 300
42,0	42,6	38,0	8 300	26 800

60,0 m				
m	°	m	kg	kg
7,9	84,9	61,8	227 600	227 600
8,0	84,8	61,9	227 600	227 600
8,5	84,4	61,8	227 200	227 200
9,0	83,9	61,7	226 800	226 800
9,5	83,4	61,7	226 300	226 300
10,0	82,9	61,6	223 100	225 900
11,0	82,0	61,5	200 500	225 100
12,0	81,0	61,3	176 600	224 200
14,0	79,0	60,9	140 400	198 800
16,0	77,1	60,4	114 100	161 700
18,0	75,1	59,9	93 800	133 800
20,0	73,1	59,3	78 100	112 800
22,0	71,1	58,6	65 500	96 600
24,0	69,0	57,8	55 100	83 400
26,0	67,0	57,0	46 300	72 500
28,0	64,9	56,0	39 000	63 500
30,0	62,7	55,0	32 700	55 800
32,0	60,5	53,9	27 100	49 200
34,0	58,3	52,7	22 300	43 500
36,0	56,0	51,3	18 100	38 400
38,0	53,6	49,8	14 200	33 900
40,0	51,2	48,2	10 900	30 000
42,0	48,6	46,5	7 800	26 400
44,0	46,0	44,6	5 000	23 200
46,0	43,2	42,5		20 300

# MLC300 VPC-MAX S-1

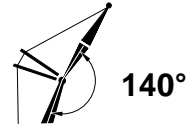
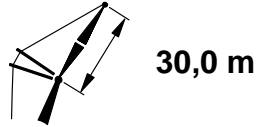
ASME B30.5



 66,0 m				
 m	 °	 m	 kg	 kg
8,5	84,8	67,8	203 100	203 100
9,0	84,4	67,8	203 100	203 100
9,5	84,0	67,7	203 100	203 100
10,0	83,6	67,6	203 100	203 100
11,0	82,7	67,5	200 300	202 700
12,0	81,8	67,3	176 300	201 800
14,0	80,0	67,0	140 100	194 700
16,0	78,3	66,6	113 700	161 700
18,0	76,5	66,1	93 400	133 700
20,0	74,7	65,5	77 600	112 700
22,0	72,9	64,9	65 000	96 400
24,0	71,0	64,2	54 600	83 200
26,0	69,2	63,5	45 800	72 200
28,0	67,3	62,6	38 500	63 200
30,0	65,4	61,7	32 100	55 500
32,0	63,4	60,7	26 600	48 800
34,0	61,5	59,6	21 800	43 100
36,0	59,4	58,5	17 500	38 100
38,0	57,4	57,2	13 700	33 600
40,0	55,3	55,8	10 300	29 600
42,0	53,1	54,3	7 200	26 000
44,0	50,9	52,7		22 800
46,0	48,6	50,9		19 900
48,0	46,2	49,0		17 300
50,0	43,7	47,0		14 800

# MLC300 VPC-MAX S-1

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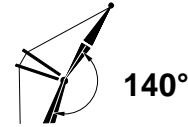
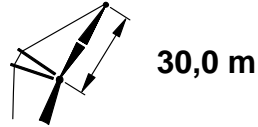


54,0 m				
m	°	m	kg	kg
7,3	85,0	55,9	248 700	248 700
7,5	84,8	55,9	248 600	248 600
8,0	84,3	55,8	248 400	248 400
8,5	83,7	55,7	248 100	248 100
9,0	83,2	55,7	246 200	246 200
9,5	82,7	55,6	236 000	245 700
10,0	82,1	55,5	221 300	245 700
11,0	81,0	55,4	192 100	245 400
12,0	80,0	55,2	168 900	232 800
14,0	77,8	54,7	133 600	193 400
16,0	75,6	54,2	108 000	156 300
18,0	73,4	53,6	88 300	129 000
20,0	71,1	52,9	72 900	108 400
22,0	68,9	52,2	60 700	92 600
24,0	66,6	51,3	50 600	79 600
26,0	64,2	50,3	42 100	68 900
28,0	61,8	49,3	35 000	60 200
30,0	59,3	48,1	28 800	52 600
32,0	56,8	46,8	23 400	46 100
34,0	54,2	45,3	18 800	40 600
36,0	51,5	43,8	14 600	35 600
38,0	48,7	42,0	10 900	31 300
40,0	45,7	40,1	7 700	27 400
42,0	42,6	38,0		24 000

60,0 m				
m	°	m	kg	kg
7,9	84,9	61,8	224 500	224 500
8,0	84,8	61,9	224 500	224 500
8,5	84,4	61,8	224 200	224 200
9,0	83,9	61,7	223 900	223 900
9,5	83,4	61,7	223 600	223 600
10,0	82,9	61,6	218 000	223 200
11,0	82,0	61,5	192 300	222 400
12,0	81,0	61,3	169 000	221 600
14,0	79,0	60,9	133 600	193 700
16,0	77,1	60,4	107 900	156 500
18,0	75,1	59,9	88 100	129 100
20,0	73,1	59,3	72 700	108 500
22,0	71,1	58,6	60 500	92 600
24,0	69,0	57,8	50 300	79 600
26,0	67,0	57,0	41 800	68 900
28,0	64,9	56,0	34 600	60 000
30,0	62,7	55,0	28 500	52 500
32,0	60,5	53,9	23 000	45 900
34,0	58,3	52,7	18 400	40 400
36,0	56,0	51,3	14 200	35 400
38,0	53,6	49,8	10 500	31 000
40,0	51,2	48,2	7 200	27 200
42,0	48,6	46,5		23 700
44,0	46,0	44,6		20 600
46,0	43,2	42,5		17 700

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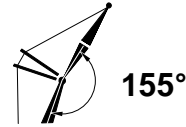
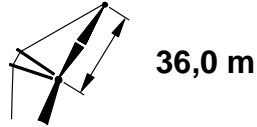
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m	°	m	kg	kg
8,5	84,8	67,8	200 900	200 900
9,0	84,4	67,8	200 900	200 900
9,5	84,0	67,7	200 900	200 900
10,0	83,6	67,6	200 900	200 900
11,0	82,7	67,5	192 200	200 400
12,0	81,8	67,3	168 800	199 700
14,0	80,0	67,0	133 400	190 000
16,0	78,3	66,6	107 600	156 500
18,0	76,5	66,1	87 800	129 100
20,0	74,7	65,5	72 300	108 400
22,0	72,9	64,9	60 100	92 400
24,0	71,0	64,2	49 900	79 400
26,0	69,2	63,5	41 300	68 700
28,0	67,3	62,6	34 200	59 800
30,0	65,4	61,7	28 000	52 200
32,0	63,4	60,7	22 600	45 700
34,0	61,5	59,6	17 900	40 100
36,0	59,4	58,5	13 700	35 100
38,0	57,4	57,2	10 000	30 700
40,0	55,3	55,8	6 700	26 800
42,0	53,1	54,3		23 300
44,0	50,9	52,7		20 200
46,0	48,6	50,9		17 300
48,0	46,2	49,0		14 700
50,0	43,7	47,0		12 400

# MLC300 VPC-MAX S-1

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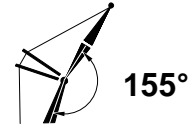
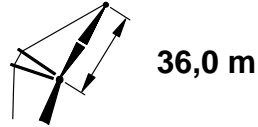
54,0 m				
m	°	m	kg	kg
7,3	85,0	55,9	247 300	247 300
7,5	84,8	55,9	247 200	247 200
8,0	84,3	55,8	246 900	246 900
8,5	83,7	55,7	246 500	246 500
9,0	83,2	55,7	245 600	245 600
9,5	82,7	55,6	235 700	245 300
10,0	82,1	55,5	220 800	245 100
11,0	81,0	55,4	191 100	244 200
12,0	80,0	55,2	167 400	231 600
14,0	77,8	54,7	131 500	191 900
16,0	75,6	54,2	105 400	154 400
18,0	73,4	53,6	85 300	126 700
20,0	71,1	52,9	69 600	105 900
22,0	68,9	52,2	57 200	89 900
24,0	66,6	51,3	46 900	76 800
26,0	64,2	50,3	38 200	66 000
28,0	61,8	49,3	30 900	57 100
30,0	59,3	48,1	24 700	49 400
32,0	56,8	46,8	19 200	42 800
34,0	54,2	45,3	14 400	37 200
36,0	51,5	43,8	10 200	32 200
38,0	48,7	42,0	6 400	27 800
40,0	45,7	40,1		23 900
42,0	42,6	38,0		20 400
44,0	39,3	35,6		17 200
46,0	35,7	32,8		14 300
48,0	31,8	29,7		11 800
50,0	27,3	26,0		9 200

60,0 m				
m	°	m	kg	kg
7,9	84,9	61,8	222 700	222 700
8,0	84,8	61,9	222 600	222 600
8,5	84,4	61,8	222 300	222 300
9,0	83,9	61,7	221 900	221 900
9,5	83,4	61,7	221 600	221 600
10,0	82,9	61,6	216 600	221 200
11,0	82,0	61,5	191 500	220 400
12,0	81,0	61,3	167 800	219 400
14,0	79,0	60,9	131 800	192 500
16,0	77,1	60,4	105 600	154 800
18,0	75,1	59,9	85 400	127 100
20,0	73,1	59,3	69 800	106 300
22,0	71,1	58,6	57 300	90 100
24,0	69,0	57,8	46 900	77 000
26,0	67,0	57,0	38 200	66 100
28,0	64,9	56,0	31 000	57 200
30,0	62,7	55,0	24 600	49 600
32,0	60,5	53,9	19 100	42 900
34,0	58,3	52,7	14 400	37 300
36,0	56,0	51,3	10 100	32 300
38,0	53,6	49,8	6 300	27 800
40,0	51,2	48,2		23 900
42,0	48,6	46,5		20 400
44,0	46,0	44,6		17 200
46,0	43,2	42,5		14 300
48,0	40,3	40,2		11 700
50,0	37,2	37,6		8 900
52,0	33,8	34,7		6 200



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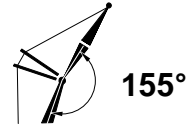
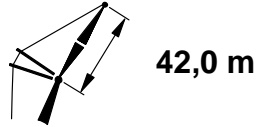
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 66,0 m				
 m	 °	 m	 10,6 m kg	 14,6 m kg
8,5	84,8	67,8	198 900	198 900
9,0	84,4	67,8	198 900	198 900
9,5	84,0	67,7	198 900	198 900
10,0	83,6	67,6	198 800	198 800
11,0	82,7	67,5	191 600	198 200
12,0	81,8	67,3	167 900	197 400
14,0	80,0	67,0	131 800	188 800
16,0	78,3	66,6	105 500	155 100
18,0	76,5	66,1	85 300	127 300
20,0	74,7	65,5	69 600	106 300
22,0	72,9	64,9	57 100	90 200
24,0	71,0	64,2	46 700	77 000
26,0	69,2	63,5	38 000	66 100
28,0	67,3	62,6	30 700	57 200
30,0	65,4	61,7	24 400	49 500
32,0	63,4	60,7	18 900	42 900
34,0	61,5	59,6	14 100	37 200
36,0	59,4	58,5	9 900	32 200
38,0	57,4	57,2	6 000	27 700
40,0	55,3	55,8		23 800
42,0	53,1	54,3		20 200
44,0	50,9	52,7		17 000
46,0	48,6	50,9		14 100
48,0	46,2	49,0		11 300
50,0	43,7	47,0		8 400

# MLC300 VPC-MAX S-1

ASME B30.5

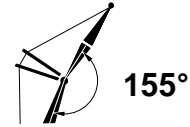
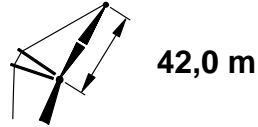


54,0 m				
m	°	m	kg	kg
7,3	85,0	55,9	243 400	243 400
7,5	84,8	55,9	243 300	243 300
8,0	84,3	55,8	242 900	242 900
8,5	83,7	55,7	242 600	242 600
9,0	83,2	55,7	242 200	242 200
9,5	82,7	55,6	229 600	241 900
10,0	82,1	55,5	212 900	241 600
11,0	81,0	55,4	183 600	240 700
12,0	80,0	55,2	160 400	226 700
14,0	77,8	54,7	125 100	186 400
16,0	75,6	54,2	99 400	149 400
18,0	73,4	53,6	79 700	122 100
20,0	71,1	52,9	64 300	101 600
22,0	68,9	52,2	52 100	85 800
24,0	66,6	51,3	42 000	72 900
26,0	64,2	50,3	33 500	62 200
28,0	61,8	49,3	26 400	53 500
30,0	59,3	48,1	20 200	45 900
32,0	56,8	46,8	14 800	39 400
34,0	54,2	45,3	10 200	33 900
36,0	51,5	43,8	6 000	29 000
38,0	48,7	42,0		24 600
40,0	45,7	40,1		20 800
42,0	42,6	38,0		17 400
44,0	39,3	35,6		14 300
46,0	35,7	32,8		11 400
48,0	31,8	29,7		8 400
50,0	27,3	26,0		5 600

60,0 m				
m	°	m	kg	kg
7,9	84,9	61,8	219 600	219 600
8,0	84,8	61,9	219 600	219 600
8,5	84,4	61,8	219 300	219 300
9,0	83,9	61,7	218 900	218 900
9,5	83,4	61,7	218 600	218 600
10,0	82,9	61,6	211 700	218 200
11,0	82,0	61,5	184 200	217 500
12,0	81,0	61,3	160 900	216 800
14,0	79,0	60,9	125 500	187 100
16,0	77,1	60,4	99 800	150 000
18,0	75,1	59,9	80 000	122 600
20,0	73,1	59,3	64 600	102 000
22,0	71,1	58,6	52 400	86 100
24,0	69,0	57,8	42 200	73 200
26,0	67,0	57,0	33 700	62 500
28,0	64,9	56,0	26 500	53 700
30,0	62,7	55,0	20 300	46 200
32,0	60,5	53,9	14 900	39 600
34,0	58,3	52,7	10 200	34 100
36,0	56,0	51,3	6 100	29 100
38,0	53,6	49,8		24 800
40,0	51,2	48,2		20 900
42,0	48,6	46,5		17 400
44,0	46,0	44,6		14 300
46,0	43,2	42,5		11 300
48,0	40,3	40,2		8 200
50,0	37,2	37,6		5 300

# MLC300 VPC-MAX S-1

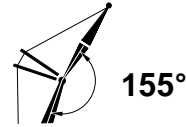
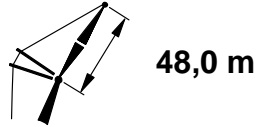
ASME B30.5



 66,0 m				
 m	 °	 m	 10,6 m kg	 14,6 m kg
8,5	84,8	67,8	196 500	196 500
9,0	84,4	67,8	196 500	196 500
9,5	84,0	67,7	196 500	196 500
10,0	83,6	67,6	196 300	196 300
11,0	82,7	67,5	184 400	195 700
12,0	81,8	67,3	161 100	195 000
14,0	80,0	67,0	125 600	184 500
16,0	78,3	66,6	99 800	150 300
18,0	76,5	66,1	80 000	122 900
20,0	74,7	65,5	64 600	102 200
22,0	72,9	64,9	52 300	86 300
24,0	71,0	64,2	42 100	73 300
26,0	69,2	63,5	33 600	62 600
28,0	67,3	62,6	26 400	53 800
30,0	65,4	61,7	20 200	46 200
32,0	63,4	60,7	14 800	39 700
34,0	61,5	59,6	10 100	34 100
36,0	59,4	58,5	5 900	29 100
38,0	57,4	57,2		24 700
40,0	55,3	55,8		20 900
42,0	53,1	54,3		17 400
44,0	50,9	52,7		14 200
46,0	48,6	50,9		10 900
48,0	46,2	49,0		7 800
50,0	43,7	47,0		4 900

# MLC300 VPC-MAX S-1

ASME B30.5

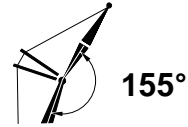
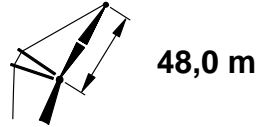


54,0 m				
m	°	m	kg	kg
7,3	85,0	55,9	237 300	237 300
7,5	84,8	55,9	237 100	237 100
8,0	84,3	55,8	236 700	236 700
8,5	83,7	55,7	236 300	236 300
9,0	83,2	55,7	231 800	236 000
9,5	82,7	55,6	217 600	235 600
10,0	82,1	55,5	200 700	235 200
11,0	81,0	55,4	172 300	234 200
12,0	80,0	55,2	149 600	219 000
14,0	77,8	54,7	115 200	178 000
16,0	75,6	54,2	90 200	141 700
18,0	73,4	53,6	71 000	115 000
20,0	71,1	52,9	56 100	94 900
22,0	68,9	52,2	44 200	79 400
24,0	66,6	51,3	34 300	66 700
26,0	64,2	50,3	26 100	56 300
28,0	61,8	49,3	19 100	47 800
30,0	59,3	48,1	13 200	40 400
32,0	56,8	46,8	7 900	34 100
34,0	54,2	45,3		28 600
36,0	51,5	43,8		23 900
38,0	48,7	42,0		19 600
40,0	45,7	40,1		15 900
42,0	42,6	38,0		12 300
44,0	39,3	35,6		8 700

60,0 m				
m	°	m	kg	kg
7,9	84,9	61,8	214 200	214 200
8,0	84,8	61,9	214 200	214 200
8,5	84,4	61,8	213 900	213 900
9,0	83,9	61,7	213 600	213 600
9,5	83,4	61,7	211 000	213 300
10,0	82,9	61,6	201 600	213 100
11,0	82,0	61,5	173 100	212 600
12,0	81,0	61,3	150 300	211 400
14,0	79,0	60,9	115 800	178 900
16,0	77,1	60,4	90 800	142 500
18,0	75,1	59,9	71 500	115 700
20,0	73,1	59,3	56 500	95 500
22,0	71,1	58,6	44 600	79 900
24,0	69,0	57,8	34 700	67 200
26,0	67,0	57,0	26 400	56 800
28,0	64,9	56,0	19 500	48 200
30,0	62,7	55,0	13 500	40 800
32,0	60,5	53,9	8 200	34 400
34,0	58,3	52,7		29 000
36,0	56,0	51,3		24 200
38,0	53,6	49,8		19 900
40,0	51,2	48,2		16 100
42,0	48,6	46,5		12 300
44,0	46,0	44,6		8 600

# MLC300 VPC-MAX S-1

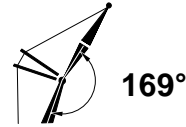
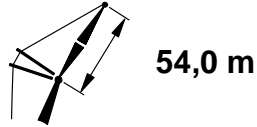
ASME B30.5



 m	 °	 m	 kg	 kg
8,5	84,8	67,8	192 700	192 700
9,0	84,4	67,8	192 500	192 500
9,5	84,0	67,7	192 300	192 300
10,0	83,6	67,6	191 600	192 100
11,0	82,7	67,5	173 500	191 500
12,0	81,8	67,3	150 700	190 900
14,0	80,0	67,0	116 100	177 500
16,0	78,3	66,6	91 000	143 000
18,0	76,5	66,1	71 700	116 100
20,0	74,7	65,5	56 700	95 900
22,0	72,9	64,9	44 800	80 200
24,0	71,0	64,2	34 800	67 500
26,0	69,2	63,5	26 500	57 000
28,0	67,3	62,6	19 600	48 400
30,0	65,4	61,7	13 500	41 000
32,0	63,4	60,7	8 300	34 600
34,0	61,5	59,6		29 100
36,0	59,4	58,5		24 300
38,0	57,4	57,2		20 000
40,0	55,3	55,8		16 100
42,0	53,1	54,3		12 100
44,0	50,9	52,7		8 400

# MLC300 VPC-MAX S-1

ASME B30.5

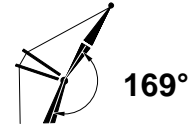
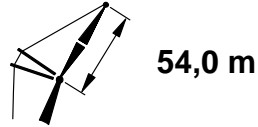


54,0 m				
m	°	m	kg	kg
7,3	85,0	55,9	242 000	242 000
7,5	84,8	55,9	241 800	241 800
8,0	84,3	55,8	241 400	241 400
8,5	83,7	55,7	240 800	240 800
9,0	83,2	55,7	240 300	240 300
9,5	82,7	55,6	230 200	239 800
10,0	82,1	55,5	214 800	239 300
11,0	81,0	55,4	184 300	238 100
12,0	80,0	55,2	160 100	226 200
14,0	77,8	54,7	123 200	185 300
16,0	75,6	54,2	96 400	147 300
18,0	73,4	53,6	75 800	119 200
20,0	71,1	52,9	59 700	98 100
22,0	68,9	52,2	47 000	81 800
24,0	66,6	51,3	36 400	68 500
26,0	64,2	50,3	27 500	57 600
28,0	61,8	49,3	20 000	48 500
30,0	59,3	48,1	13 500	40 800
32,0	56,8	46,8	7 900	34 100
34,0	54,2	45,3		28 300
36,0	51,5	43,8		23 300
38,0	48,7	42,0		18 800
40,0	45,7	40,1		14 700
42,0	42,6	38,0		10 500
44,0	39,3	35,6		6 500

60,0 m				
m	°	m	kg	kg
7,9	84,9	61,8	216 900	216 900
8,0	84,8	61,9	216 900	216 900
8,5	84,4	61,8	216 500	216 500
9,0	83,9	61,7	216 100	216 100
9,5	83,4	61,7	215 700	215 700
10,0	82,9	61,6	210 800	215 300
11,0	82,0	61,5	185 400	214 300
12,0	81,0	61,3	161 100	213 400
14,0	79,0	60,9	124 200	186 500
16,0	77,1	60,4	97 300	148 300
18,0	75,1	59,9	76 700	120 200
20,0	73,1	59,3	60 600	99 100
22,0	71,1	58,6	47 800	82 700
24,0	69,0	57,8	37 200	69 400
26,0	67,0	57,0	28 300	58 400
28,0	64,9	56,0	20 800	49 300
30,0	62,7	55,0	14 300	41 500
32,0	60,5	53,9	8 600	34 800
34,0	58,3	52,7		29 100
36,0	56,0	51,3		24 000
38,0	53,6	49,8		19 400
40,0	51,2	48,2		15 300
42,0	48,6	46,5		11 000
44,0	46,0	44,6		7 100

# MLC300 VPC-MAX S-1

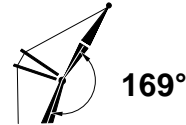
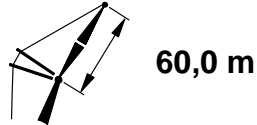
ASME B30.5



 66,0 m				
 m	 °	 m	 10,6 m kg	 14,6 m kg
8,5	84,8	67,8	193 100	193 100
9,0	84,4	67,8	193 100	193 100
9,5	84,0	67,7	193 100	193 100
10,0	83,6	67,6	192 900	192 900
11,0	82,7	67,5	186 100	192 200
12,0	81,8	67,3	161 700	191 400
14,0	80,0	67,0	124 800	183 700
16,0	78,3	66,6	97 900	149 100
18,0	76,5	66,1	77 200	120 900
20,0	74,7	65,5	61 100	99 700
22,0	72,9	64,9	48 300	83 300
24,0	71,0	64,2	37 600	69 900
26,0	69,2	63,5	28 700	58 900
28,0	67,3	62,6	21 200	49 800
30,0	65,4	61,7	14 700	42 000
32,0	63,4	60,7	9 000	35 300
34,0	61,5	59,6		29 500
36,0	59,4	58,5		24 400
38,0	57,4	57,2		19 900
40,0	55,3	55,8		15 600
42,0	53,1	54,3		11 300
44,0	50,9	52,7		7 300

# MLC300 VPC-MAX S-1

ASME B30.5



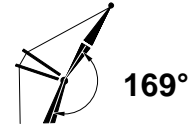
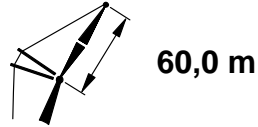
54,0 m				
m	°	m	kg	kg
7,3	85,0	55,9	236 600	236 600
7,5	84,8	55,9	236 400	236 400
8,0	84,3	55,8	235 900	235 900
8,5	83,7	55,7	235 400	235 400
9,0	83,2	55,7	234 900	234 900
9,5	82,7	55,6	222 100	234 400
10,0	82,1	55,5	205 000	233 900
11,0	81,0	55,4	174 900	232 700
12,0	80,0	55,2	150 900	219 500
14,0	77,8	54,7	114 500	178 000
16,0	75,6	54,2	88 100	140 400
18,0	73,4	53,6	67 700	112 600
20,0	71,1	52,9	51 900	91 800
22,0	68,9	52,2	39 300	75 700
24,0	66,6	51,3	28 800	62 500
26,0	64,2	50,3	20 000	51 700
28,0	61,8	49,3	12 700	42 800
30,0	59,3	48,1	6 300	35 100
32,0	56,8	46,8		28 500
34,0	54,2	45,3		22 800
36,0	51,5	43,8		17 700
38,0	48,7	42,0		12 500
40,0	45,7	40,1		7 700

60,0 m				
m	°	m	kg	kg
7,9	84,9	61,8	212 400	212 400
8,0	84,8	61,9	212 300	212 300
8,5	84,4	61,8	211 900	211 900
9,0	83,9	61,7	211 500	211 500
9,5	83,4	61,7	211 100	211 100
10,0	82,9	61,6	204 300	210 700
11,0	82,0	61,5	176 300	209 800
12,0	81,0	61,3	152 300	209 000
14,0	79,0	60,9	115 800	179 500
16,0	77,1	60,4	89 300	141 700
18,0	75,1	59,9	68 900	113 900
20,0	73,1	59,3	53 100	93 000
22,0	71,1	58,6	40 400	76 800
24,0	69,0	57,8	29 900	63 600
26,0	67,0	57,0	21 100	52 700
28,0	64,9	56,0	13 800	43 800
30,0	62,7	55,0	7 400	36 100
32,0	60,5	53,9		29 500
34,0	58,3	52,7		23 800
36,0	56,0	51,3		18 600
38,0	53,6	49,8		13 400
40,0	51,2	48,2		8 600



# MLC300 VPC-MAX S-1

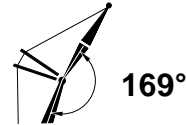
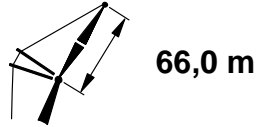
ASME B30.5



 66,0 m				
 m	 °	 m	 kg	 kg
8,5	84,8	67,8	189 200	189 200
9,0	84,4	67,8	189 200	189 200
9,5	84,0	67,7	189 000	189 000
10,0	83,6	67,6	188 800	188 800
11,0	82,7	67,5	177 200	188 000
12,0	81,8	67,3	153 200	187 300
14,0	80,0	67,0	116 600	177 700
16,0	78,3	66,6	90 100	142 700
18,0	76,5	66,1	69 700	114 800
20,0	74,7	65,5	53 800	93 800
22,0	72,9	64,9	41 100	77 600
24,0	71,0	64,2	30 600	64 400
26,0	69,2	63,5	21 800	53 500
28,0	67,3	62,6	14 400	44 500
30,0	65,4	61,7	8 000	36 800
32,0	63,4	60,7		30 100
34,0	61,5	59,6		24 400
36,0	59,4	58,5		19 100
38,0	57,4	57,2		13 800
40,0	55,3	55,8		9 100

# MLC300 VPC-MAX S-1

ASME B30.5

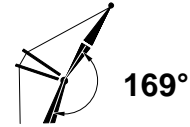
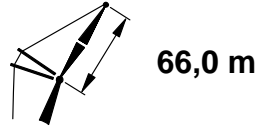


54,0 m				
m	°	m	kg	kg
7,3	85,0	55,9	232 400	232 400
7,5	84,8	55,9	232 200	232 200
8,0	84,3	55,8	231 600	231 600
8,5	83,7	55,7	231 000	231 000
9,0	83,2	55,7	229 200	230 500
9,5	82,7	55,6	215 200	229 900
10,0	82,1	55,5	197 600	229 300
11,0	81,0	55,4	167 800	228 000
12,0	80,0	55,2	144 000	214 500
14,0	77,8	54,7	108 000	172 400
16,0	75,6	54,2	81 800	135 100
18,0	73,4	53,6	61 700	107 700
20,0	71,1	52,9	46 000	87 000
22,0	68,9	52,2	33 500	71 000
24,0	66,6	51,3	23 100	58 000
26,0	64,2	50,3	14 400	47 300
28,0	61,8	49,3		38 400
30,0	59,3	48,1		30 800
32,0	56,8	46,8		24 300
34,0	54,2	45,3		18 400
36,0	51,5	43,8		12 500
38,0	48,7	42,0		7 200

60,0 m				
m	°	m	kg	kg
7,9	84,9	61,8	208 600	208 600
8,0	84,8	61,9	208 500	208 500
8,5	84,4	61,8	208 100	208 100
9,0	83,9	61,7	207 700	207 700
9,5	83,4	61,7	207 300	207 300
10,0	82,9	61,6	199 100	206 900
11,0	82,0	61,5	169 400	206 200
12,0	81,0	61,3	145 600	205 300
14,0	79,0	60,9	109 500	174 100
16,0	77,1	60,4	83 300	136 700
18,0	75,1	59,9	63 100	109 100
20,0	73,1	59,3	47 400	88 400
22,0	71,1	58,6	34 900	72 400
24,0	69,0	57,8	24 500	59 300
26,0	67,0	57,0	15 800	48 500
28,0	64,9	56,0	8 500	39 700
30,0	62,7	55,0		32 100
32,0	60,5	53,9		25 500
34,0	58,3	52,7		19 500
36,0	56,0	51,3		13 600
38,0	53,6	49,8		8 300

# MLC300 VPC-MAX S-1

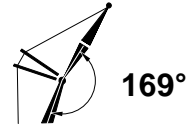
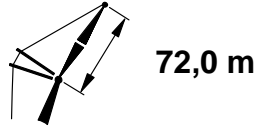
ASME B30.5



 66,0 m				
 m	 °	 m	 kg	 kg
8,5	84,8	67,8	186 200	186 200
9,0	84,4	67,8	186 100	186 100
9,5	84,0	67,7	185 800	185 800
10,0	83,6	67,6	185 500	185 500
11,0	82,7	67,5	170 500	184 900
12,0	81,8	67,3	146 700	184 100
14,0	80,0	67,0	110 600	173 100
16,0	78,3	66,6	84 300	137 800
18,0	76,5	66,1	64 100	110 200
20,0	74,7	65,5	48 300	89 400
22,0	72,9	64,9	35 800	73 300
24,0	71,0	64,2	25 400	60 200
26,0	69,2	63,5	16 700	49 400
28,0	67,3	62,6	9 400	40 500
30,0	65,4	61,7		32 900
32,0	63,4	60,7		26 300
34,0	61,5	59,6		20 200
36,0	59,4	58,5		14 300
38,0	57,4	57,2		9 000

# MLC300 VPC-MAX S-1

ASME B30.5

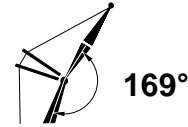
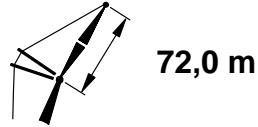


54,0 m				
m	°	m	kg	kg
7,3	85,0	55,9	229 200	229 200
7,5	84,8	55,9	229 000	229 000
8,0	84,3	55,8	228 400	228 400
8,5	83,7	55,7	227 800	227 800
9,0	83,2	55,7	223 700	227 100
9,5	82,7	55,6	209 200	226 500
10,0	82,1	55,5	191 700	225 900
11,0	81,0	55,4	162 200	224 500
12,0	80,0	55,2	138 700	210 700
14,0	77,8	54,7	102 900	168 100
16,0	75,6	54,2	77 000	131 100
18,0	73,4	53,6	57 000	103 800
20,0	71,1	52,9	41 500	83 300
22,0	68,9	52,2	29 200	67 500
24,0	66,6	51,3	18 900	54 600
26,0	64,2	50,3	10 300	43 900
28,0	61,8	49,3		35 200
30,0	59,3	48,1		27 700
32,0	56,8	46,8		21 000
34,0	54,2	45,3		14 300
36,0	51,5	43,8		8 500

60,0 m				
m	°	m	kg	kg
7,9	84,9	61,8	205 600	205 600
8,0	84,8	61,9	205 600	205 600
8,5	84,4	61,8	205 100	205 100
9,0	83,9	61,7	204 700	204 700
9,5	83,4	61,7	202 800	204 300
10,0	82,9	61,6	193 600	203 800
11,0	82,0	61,5	164 000	203 000
12,0	81,0	61,3	140 500	202 200
14,0	79,0	60,9	104 700	170 000
16,0	77,1	60,4	78 700	132 800
18,0	75,1	59,9	58 700	105 500
20,0	73,1	59,3	43 100	84 900
22,0	71,1	58,6	30 800	69 000
24,0	69,0	57,8	20 500	56 100
26,0	67,0	57,0	11 900	45 400
28,0	64,9	56,0		36 600
30,0	62,7	55,0		29 000
32,0	60,5	53,9		22 300
34,0	58,3	52,7		15 700
36,0	56,0	51,3		9 800

# MLC300 VPC-MAX S-1

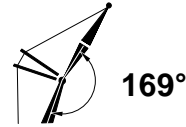
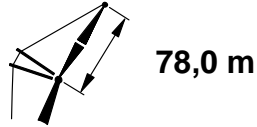
ASME B30.5



 66,0 m				
 m	 °	 m	 kg	 kg
8,5	84,8	67,8	183 900	183 900
9,0	84,4	67,8	183 600	183 600
9,5	84,0	67,7	183 300	183 300
10,0	83,6	67,6	183 000	183 000
11,0	82,7	67,5	165 300	182 300
12,0	81,8	67,3	141 700	181 700
14,0	80,0	67,0	105 900	169 700
16,0	78,3	66,6	79 900	134 100
18,0	76,5	66,1	59 900	106 700
20,0	74,7	65,5	44 300	86 100
22,0	72,9	64,9	31 900	70 100
24,0	71,0	64,2	21 600	57 100
26,0	69,2	63,5	12 900	46 400
28,0	67,3	62,6		37 600
30,0	65,4	61,7		30 000
32,0	63,4	60,7		23 100
34,0	61,5	59,6		16 500
36,0	59,4	58,5		10 700
38,0	57,4	57,2		5 400

# MLC300 VPC-MAX S-1

ASME B30.5

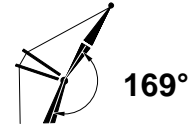
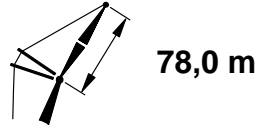


54,0 m				
m	°	m	kg	kg
7,3	85,0	55,9	225 200	225 200
7,5	84,8	55,9	225 000	225 000
8,0	84,3	55,8	224 300	224 300
8,5	83,7	55,7	223 600	223 600
9,0	83,2	55,7	217 000	223 000
9,5	82,7	55,6	201 800	222 300
10,0	82,1	55,5	184 500	221 700
11,0	81,0	55,4	155 300	220 100
12,0	80,0	55,2	132 000	205 900
14,0	77,8	54,7	96 700	162 700
16,0	75,6	54,2	71 000	126 100
18,0	73,4	53,6	51 300	99 100
20,0	71,1	52,9	35 900	78 800
22,0	68,9	52,2	23 700	63 100
24,0	66,6	51,3	13 600	50 300
26,0	64,2	50,3		39 800
28,0	61,8	49,3		31 100
30,0	59,3	48,1		23 300
32,0	56,8	46,8		15 800
34,0	54,2	45,3		9 300

60,0 m				
m	°	m	kg	kg
7,9	84,9	61,8	201 800	201 800
8,0	84,8	61,9	201 800	201 800
8,5	84,4	61,8	201 300	201 300
9,0	83,9	61,7	200 900	200 900
9,5	83,4	61,7	197 100	200 400
10,0	82,9	61,6	186 700	200 000
11,0	82,0	61,5	157 400	199 000
12,0	81,0	61,3	134 100	198 200
14,0	79,0	60,9	98 700	164 800
16,0	77,1	60,4	73 000	128 000
18,0	75,1	59,9	53 200	101 000
20,0	73,1	59,3	37 800	80 600
22,0	71,1	58,6	25 600	64 800
24,0	69,0	57,8	15 400	52 000
26,0	67,0	57,0		41 400
28,0	64,9	56,0		32 700
30,0	62,7	55,0		24 900
32,0	60,5	53,9		17 400
34,0	58,3	52,7		10 800

# MLC300 VPC-MAX S-1

ASME B30.5



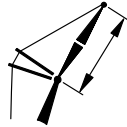
 m	 °	 m	 kg	 kg
			 10,6 m	 14,6 m
8,5	84,8	67,8	180 400	180 400
9,0	84,4	67,8	180 100	180 100
9,5	84,0	67,7	179 800	179 800
10,0	83,6	67,6	178 400	179 500
11,0	82,7	67,5	158 900	179 000
12,0	81,8	67,3	135 500	178 400
14,0	80,0	67,0	100 100	165 500
16,0	78,3	66,6	74 400	129 500
18,0	76,5	66,1	54 600	102 300
20,0	74,7	65,5	39 200	81 900
22,0	72,9	64,9	26 900	66 100
24,0	71,0	64,2	16 700	53 200
26,0	69,2	63,5		42 600
28,0	67,3	62,6		33 900
30,0	65,4	61,7		26 000
32,0	63,4	60,7		18 400
34,0	61,5	59,6		11 900
36,0	59,4	58,5		6 100

# MLC300 VPC-MAX S-1

ASME B30.5




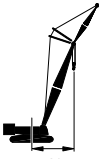

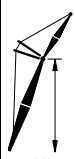
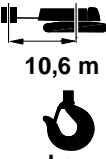
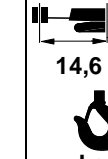
135 100 kg



84,0 m



169°

 66,0 m				
 m	 °	 m	 kg	 kg
8,5	84,8	67,8	177 300	177 300
9,0	84,4	67,8	177 000	177 000
9,5	84,0	67,7	176 700	176 700
10,0	83,6	67,6	174 200	176 300
11,0	82,7	67,5	153 200	175 700
12,0	81,8	67,3	130 100	175 100
14,0	80,0	67,0	95 100	161 700
16,0	78,3	66,6	69 600	125 500
18,0	76,5	66,1	50 000	98 600
20,0	74,7	65,5	34 700	78 300
22,0	72,9	64,9	22 600	62 600
24,0	71,0	64,2	12 500	49 900
26,0	69,2	63,5		39 400
28,0	67,3	62,6		30 400
30,0	65,4	61,7		21 900
32,0	63,4	60,7		14 400
34,0	61,5	59,6		7 900

REFERENCE ONLY!