

Liftcrane Boom Capacities

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 and 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 boom point capacity for liftcrane service with single part whip line from Drum 6 is 13 600 kg or 27 200 kg with two part whip line. When Drum 2 or Drum 3 is used, capacity with single part whip line is 16 600 kg or 33 300 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

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

BOOM BACKWARD STABILITY: Capacities indicated by (b) require 4 530 kg minimum weight suspended beneath boom point. **Caution: Do not operate in areas indicated by (b) without required minimum weight.** Boom may not lower and boom hoist wire rope may go slack causing wire rope damage or failure.

OPERATING CONDITIONS: Machine to operate on a firm, level, and uniformly supporting surface. Refer to Boom Rigging **No. 84050216**, Mast Rigging **No. 84045340**, Wire Rope Specifications chart **No. 9653-A**, Counterweight Arrangements **No. 9345-A**, and Wind Conditions chart **No. 9652-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level, and uniformly supporting surface. Boom must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specifications chart **No. 9651-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, and 135 100 kg VPC.

Luffing Jib Backstay Deduct	
Boom Length (m)	Deduct (kg)
54,0	2 400
60,0	2 700
66,0	3 000
72,0	3 200
78,0	3 500
84,0	3 700
Deduct the appropriate value from capacities when luffing jib backstays are stored on boom.	

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Refer to Table 1 (with luffing jib backstays stored) and Table 2 (without luffing jib backstays stored) for raising ability with the maximum weight of all load blocks, hooks, weight ball, slings, and hoist lines beneath boom point sheaves. For block weights shown with #, load blocks, hooks, weight ball, and slings must remain on ground until combined weights are within rated capacity of chart. Raising is not permitted in shaded areas of table.

Select counterweight position from Tables 1 or 2 that will allow raising and lowering of boom length. Counterweight position selection may be changed with boom on ground or while boom is within operating range of capacity chart.

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

Table 1: With Luffing Jib Backstays

Over End or Side of Crawlers		
Boom Length (m)	10,6 m Counterweight Position	14,6 m Counterweight Position
	Block Weight (kg)	
54,0 - 66,0	10 300	10 300
72,0	7 100	10 300
78,0	3 700	10 300
84,0	#	10 300
90,0 - 120,0	Raising Not Permitted	

Table 2a: Without Luffing Jib Backstays

Over End or Side of Crawlers		
Boom Length (m)	10,6 m Counterweight Position	14,6 m Counterweight Position
	Block Weight (kg)	
54,0 - 72,0	10 300	10 300
78,0	7 100	10 300
84,0	3 700	10 300
90,0 - 102,0	#	#
108,0 - 114,0	Raising Not Permitted	
120,0		

Table 2b: Without Luffing Jib Backstays

Over End of Blocked Crawlers		
Boom Length (m)	10,6 m Counterweight Position	14,6 m Counterweight Position
	Block Weight (kg)	
54,0 - 72,0	10 300	10 300
78,0	7 100	10 300
84,0	3 700	10 300
90,0 - 102,0	#	#
108,0 - 120,0	Raising Not Permitted	#
Warning: Crane must remain in-line with crawlers when raising over end of blocked crawlers until operating radius is within 360 degree chart. <i>Crane tipping or structural damage can occur.</i>		

Explanation of Symbols



Boom No. B65:505-500



VPC (Variable Position Counterweight)



360 Degree Rating



Boom Length



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)



Counterweight Position
from Axis of Rotation



Lifting Capacities
(see page 1)

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135 100 kg



360°

54,0 m				
m	°	m	kg	kg
7,3	85,0	55,9	266 700 b	266 700 b
8,0	84,3	55,8	266 700 b	266 700 b
9,0	83,2	55,7	266 700 b	266 700 b
10,0	82,1	55,5	259 300	259 300
12,0	80,0	55,2	214 900	246 000
14,0	77,8	54,7	177 900	219 900
16,0	75,6	54,2	151 100	189 600
18,0	73,4	53,6	129 100	161 100
20,0	71,1	52,9	111 600	139 700
22,0	68,9	52,2	98 000	123 100
24,0	66,6	51,3	86 900	109 500
26,0	64,2	50,3	77 800	98 400
28,0	61,8	49,3	70 300	89 200
30,0	59,3	48,1	63 800	81 300
32,0	56,8	46,8	58 200	74 400
34,0	54,2	45,3	53 400	68 600
36,0	51,5	43,8	49 200	63 400
38,0	48,7	42,0	45 400	58 800
40,0	45,7	40,1	42 000	54 700
42,0	42,6	38,0	39 000	51 100
44,0	39,3	35,6	36 300	47 700
46,0	35,7	32,8	33 800	44 700
48,0	31,8	29,7	31 600	42 000
50,0	27,3	26,0	29 500	39 500
52,0	22,0	21,4	27 600	37 100

60,0 m				
m	°	m	kg	kg
7,9	84,9	61,8	233 400 b	233 400 b
8,0	84,8	61,9	233 400 b	233 400 b
9,0	83,9	61,7	233 400	233 400
10,0	82,9	61,6	233 400	233 400
12,0	81,0	61,3	214 200	233 000
14,0	79,0	60,9	177 200	216 500
16,0	77,1	60,4	150 300	189 400
18,0	75,1	59,9	128 700	160 800
20,0	73,1	59,3	111 300	139 300
22,0	71,1	58,6	97 700	122 700
24,0	69,0	57,8	86 600	109 200
26,0	67,0	57,0	77 400	98 000
28,0	64,9	56,0	69 900	88 800
30,0	62,7	55,0	63 400	80 900
32,0	60,5	53,9	57 800	74 000
34,0	58,3	52,7	53 000	68 100
36,0	56,0	51,3	48 700	63 000
38,0	53,6	49,8	44 900	58 300
40,0	51,2	48,2	41 600	54 300
42,0	48,6	46,5	38 600	50 600
44,0	46,0	44,6	35 800	47 300
46,0	43,2	42,5	33 400	44 300
48,0	40,3	40,2	31 100	41 500
50,0	37,2	37,6	29 100	39 000
52,0	33,8	34,7	27 200	36 700
54,0	30,1	31,3	25 400	34 600
56,0	25,9	27,4	23 800	32 600
58,0	20,8	22,5	22 200	30 700

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135 100 kg



360°

66,0 m				
m	°	m	kg	kg
8,5	84,8	67,8	216 700	216 700
9,0	84,4	67,8	216 700	216 700
10,0	83,6	67,6	216 700	216 700
12,0	81,8	67,3	211 500	216 700
14,0	80,0	67,0	176 400	208 000
16,0	78,3	66,6	149 400	189 000
18,0	76,5	66,1	128 300	160 400
20,0	74,7	65,5	110 800	138 900
22,0	72,9	64,9	97 200	122 300
24,0	71,0	64,2	86 100	108 700
26,0	69,2	63,5	76 900	97 500
28,0	67,3	62,6	69 400	88 300
30,0	65,4	61,7	62 900	80 400
32,0	63,4	60,7	57 200	73 500
34,0	61,5	59,6	52 400	67 600
36,0	59,4	58,5	48 200	62 400
38,0	57,4	57,2	44 400	57 800
40,0	55,3	55,8	41 000	53 700
42,0	53,1	54,3	38 000	50 100
44,0	50,9	52,7	35 300	46 700
46,0	48,6	50,9	32 800	43 700
48,0	46,2	49,0	30 600	41 000
50,0	43,7	47,0	28 500	38 500
52,0	41,0	44,7	26 600	36 200
54,0	38,3	42,2	24 900	34 100
56,0	35,3	39,4	23 200	32 100
58,0	32,1	36,3	21 500	30 200
60,0	28,6	32,8	19 900	28 500
62,0	24,5	28,6	18 500	26 900
64,0	19,7	23,4	17 100	25 400

72,0 m				
m	°	m	kg	kg
9,1	84,8	73,8	183 400	183 400
10,0	84,1	73,7	183 400	183 400
12,0	82,5	73,4	183 400	183 400
14,0	80,9	73,1	175 500	183 400
16,0	79,3	72,7	148 500	179 700
18,0	77,6	72,3	127 700	160 000
20,0	76,0	71,8	110 400	138 400
22,0	74,3	71,2	96 700	121 800
24,0	72,7	70,6	85 600	108 200
26,0	71,0	69,9	76 400	97 000
28,0	69,3	69,1	68 800	87 700
30,0	67,6	68,3	62 300	79 800
32,0	65,8	67,4	56 700	72 900
34,0	64,1	66,4	51 900	67 100
36,0	62,3	65,4	47 600	61 900
38,0	60,4	64,3	43 800	57 200
40,0	58,6	63,0	40 500	53 100
42,0	56,7	61,7	37 400	49 500
44,0	54,7	60,3	34 700	46 100
46,0	52,7	58,8	32 200	43 100
48,0	50,7	57,2	30 000	40 400
50,0	48,5	55,4	27 900	37 900
52,0	46,4	53,5	26 000	35 600
54,0	44,1	51,5	24 100	33 500
56,0	41,7	49,3	22 300	31 500
58,0	39,2	46,8	20 700	29 700
60,0	36,6	44,2	19 100	28 000
62,0	33,7	41,3	17 700	26 400
64,0	30,7	38,0	16 300	24 900
66,0	27,3	34,2	15 000	23 500
68,0	23,5	29,8	13 800	22 200
70,0	18,9	24,4	12 600	20 900

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135 100 kg



360°

78,0 m				
m	o	m	kg	kg
9,8	84,7	79,7	171 400	171 400
10,0	84,6	79,7	171 400	171 400
12,0	83,1	79,5	171 400	171 400
14,0	81,6	79,2	168 600	171 400
16,0	80,1	78,8	147 800	170 900
18,0	78,6	78,4	127 000	158 600
20,0	77,1	78,0	110 000	138 000
22,0	75,6	77,4	96 300	121 400
24,0	74,0	76,9	85 100	107 700
26,0	72,5	76,2	75 900	96 500
28,0	71,0	75,6	68 300	87 300
30,0	69,4	74,8	61 800	79 300
32,0	67,8	74,0	56 200	72 400
34,0	66,2	73,1	51 400	66 600
36,0	64,6	72,2	47 100	61 400
38,0	62,9	71,1	43 300	56 700
40,0	61,2	70,0	39 900	52 600
42,0	59,5	68,9	36 900	49 000
44,0	57,8	67,6	34 200	45 600
46,0	56,0	66,3	31 700	42 600
48,0	54,2	64,8	29 500	39 900
50,0	52,4	63,3	27 400	37 400
52,0	50,5	61,7	25 300	35 100
54,0	48,5	59,9	23 400	32 900
56,0	46,5	58,0	21 600	31 000
58,0	44,4	56,0	20 000	29 100
60,0	42,2	53,8	18 400	27 500
62,0	40,0	51,4	17 000	25 900
64,0	37,6	48,9	15 600	24 400
66,0	35,0	46,1	14 300	23 000
68,0	32,3	43,0	13 100	21 700
70,0	29,4	39,5	12 000	20 400
72,0	26,2	35,6	10 900	19 300
74,0	22,5	31,0	9 800	18 100
76,0	18,1	25,4	8 800	17 100

84,0 m				
m	o	m	kg	kg
10,4	84,7	85,7	152 700	152 700
12,0	83,6	85,5	152 700	152 700
14,0	82,2	85,3	152 700	152 700
16,0	80,8	84,9	145 300	152 700
18,0	79,4	84,6	126 000	152 500
20,0	78,0	84,1	109 400	137 500
22,0	76,6	83,7	95 700	120 800
24,0	75,2	83,1	84 500	107 100
26,0	73,8	82,5	75 300	95 900
28,0	72,4	81,9	67 700	86 600
30,0	70,9	81,2	61 200	78 700
32,0	69,5	80,5	55 500	71 800
34,0	68,0	79,7	50 700	65 900
36,0	66,5	78,8	46 400	60 700
38,0	65,0	77,9	42 600	56 100
40,0	63,5	76,9	39 300	52 000
42,0	61,9	75,8	36 300	48 300
44,0	60,4	74,7	33 500	45 000
46,0	58,8	73,4	31 000	41 900
48,0	57,2	72,2	28 700	39 200
50,0	55,5	70,8	26 400	36 700
52,0	53,8	69,3	24 300	34 400
54,0	52,1	67,8	22 400	32 300
56,0	50,3	66,1	20 700	30 300
58,0	48,5	64,4	19 000	28 500
60,0	46,6	62,5	17 500	26 800
62,0	44,7	60,5	16 000	25 200
64,0	42,7	58,3	14 700	23 700
66,0	40,6	56,0	13 400	22 300
68,0	38,4	53,5	12 200	21 000
70,0	36,1	50,8	11 000	19 800
72,0	33,7	47,9	10 000	18 600
74,0	31,1	44,7	8 900	17 500
76,0	28,3	41,0	8 000	16 500
78,0	25,2	36,9	7 000	15 500
80,0	21,7	32,2	6 100	14 500
82,0	17,4	26,3	5 300	13 600

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135 100 kg



360°

90,0 m				
m	°	m	kg	kg
11,0	84,7	91,7	136 700	136 700
12,0	84,0	91,6	136 700	136 700
14,0	82,7	91,3	136 700	136 700
16,0	81,4	91,0	136 700	136 700
18,0	80,1	90,7	125 500	136 700
20,0	78,8	90,3	109 400	135 300
22,0	77,5	89,8	95 600	120 700
24,0	76,2	89,3	84 400	107 000
26,0	74,9	88,8	75 200	95 800
28,0	73,6	88,2	67 600	86 500
30,0	72,2	87,6	61 100	78 600
32,0	70,9	86,9	55 400	71 700
34,0	69,5	86,1	50 600	65 800
36,0	68,2	85,3	46 300	60 600
38,0	66,8	84,5	42 500	55 900
40,0	65,4	83,6	39 100	51 800
42,0	64,0	82,6	36 100	48 100
44,0	62,5	81,5	33 400	44 800
46,0	61,1	80,4	30 800	41 800
48,0	59,6	79,3	28 400	39 100
50,0	58,1	78,0	26 200	36 500
52,0	56,6	76,7	24 100	34 200
54,0	55,0	75,3	22 200	32 100
56,0	53,4	73,8	20 400	30 100
58,0	51,8	72,3	18 800	28 300
60,0	50,2	70,6	17 200	26 600
62,0	48,5	68,8	15 800	25 100
64,0	46,7	67,0	14 400	23 500
66,0	44,9	65,0	13 200	22 200
68,0	43,1	62,9	12 000	20 900
70,0	41,2	60,6	10 800	19 600
72,0	39,2	58,2	9 800	18 500
74,0	37,1	55,6	8 800	17 400
76,0	34,9	52,7	7 800	16 300
78,0	32,5	49,7	6 900	15 400
80,0	30,0	46,3	6 000	14 400
82,0	27,3	42,5	5 100	13 500
84,0	24,3	38,2		12 700
86,0	20,9	33,3		11 800
88,0	16,8	27,2		11 000

96,0 m				
m	°	m	kg	kg
11,0	85,0	97,7	118 300	118 300
12,0	84,4	97,6	118 300	118 300
14,0	83,2	97,4	118 300	118 300
16,0	82,0	97,1	118 300	118 300
18,0	80,8	96,8	118 300	118 300
20,0	79,6	96,4	108 100	118 300
22,0	78,3	96,0	94 800	116 200
24,0	77,1	95,5	83 500	106 100
26,0	75,9	95,0	74 300	94 900
28,0	74,6	94,5	66 600	85 600
30,0	73,4	93,9	60 100	77 600
32,0	72,1	93,2	54 400	70 700
34,0	70,9	92,5	49 600	64 800
36,0	69,6	91,8	45 300	59 500
38,0	68,3	91,0	41 500	54 900
40,0	67,0	90,1	38 100	50 800
42,0	65,7	89,2	35 000	47 100
44,0	64,4	88,3	32 100	43 800
46,0	63,1	87,3	29 400	40 800
48,0	61,7	86,2	27 000	38 000
50,0	60,3	85,1	24 700	35 500
52,0	58,9	83,9	22 700	33 200
54,0	57,5	82,6	20 700	31 100
56,0	56,1	81,2	19 000	29 100
58,0	54,6	79,8	17 300	27 300
60,0	53,1	78,3	15 800	25 600
62,0	51,6	76,8	14 400	24 000
64,0	50,1	75,1	13 000	22 500
66,0	48,5	73,3	11 700	21 100
68,0	46,8	71,5	10 500	19 800
70,0	45,2	69,5	9 400	18 600
72,0	43,4	67,4	8 300	17 400
74,0	41,6	65,2	7 300	16 300
76,0	39,8	62,8	6 400	15 300
78,0	37,9	60,2	5 500	14 300
80,0	35,8	57,5		13 400
82,0	33,7	54,6		12 500
84,0	31,4	51,3		11 700
86,0	29,0	47,8		10 800
88,0	26,4	43,9		10 100
90,0	23,5	39,5		9 300
92,0	20,2	34,3		8 600
94,0	16,3	28,0		7 900

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135 100 kg



360°

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

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

MLC300 VPC-MAX S-1

ASME B30.5



B65



135 100 kg



360°

114,0 m				
m	°	m	kg	kg
13,7	84,4	115,5	77 500	77 500
14,0	84,3	115,5	77 500	77 500
16,0	83,2	115,3	77 500	77 500
18,0	82,2	115,0	77 500	77 500
20,0	81,2	114,7	77 500	77 500
22,0	80,2	114,3	77 500	77 500
24,0	79,2	113,9	77 500	77 500
26,0	78,1	113,5	72 700	77 500
28,0	77,1	113,1	65 000	77 400
30,0	76,1	112,6	58 500	75 200
32,0	75,0	112,0	52 800	69 000
34,0	74,0	111,5	47 800	63 100
36,0	72,9	110,8	43 400	57 900
38,0	71,9	110,2	39 300	53 200
40,0	70,8	109,5	35 800	49 100
42,0	69,7	108,8	32 500	45 400
44,0	68,7	108,0	29 600	42 100
46,0	67,6	107,1	26 900	39 000
48,0	66,5	106,3	24 500	36 300
50,0	65,4	105,4	22 300	33 800
52,0	64,3	104,4	20 200	31 500
54,0	63,1	103,4	18 300	29 300
56,0	62,0	102,3	16 500	27 400
58,0	60,8	101,2	14 900	25 500
60,0	59,7	100,0	13 400	23 800
62,0	58,5	98,8	11 900	22 300
64,0	57,3	97,5	10 600	20 800
66,0	56,1	96,2	9 300	19 400
68,0	54,9	94,8	8 100	18 100
70,0	53,6	93,3	7 000	16 900
72,0	52,4	91,8	6 000	15 700
74,0	51,1	90,2		14 600
76,0	49,8	88,5		13 600
78,0	48,4	86,7		12 600
80,0	47,0	84,9		11 700
82,0	45,6	82,9		10 800
84,0	44,2	80,9		10 000
86,0	42,7	78,7		9 200
88,0	41,2	76,5		8 400
90,0	39,6	74,1		7 700
92,0	38,0	71,5		7 000
94,0	36,3	68,8		6 300
96,0	34,6	66,0		5 700

120,0 m				
m	°	m	kg	kg
13,7	84,7	121,6	67 700	67 700
14,0	84,5	121,5	67 700	67 700
16,0	83,6	121,3	67 700	67 700
18,0	82,6	121,0	67 700	67 700
20,0	81,7	120,8	67 700	67 700
22,0	80,7	120,4	67 700	67 700
24,0	79,7	120,1	67 600	67 600
26,0	78,7	119,7	67 500	67 600
28,0	77,8	119,2	63 900	67 500
30,0	76,8	118,8	57 400	66 100
32,0	75,8	118,2	51 600	63 500
34,0	74,8	117,7	46 600	60 900
36,0	73,8	117,1	42 200	57 000
38,0	72,8	116,5	38 100	52 400
40,0	71,8	115,8	34 600	48 300
42,0	70,8	115,2	31 400	44 600
44,0	69,8	114,4	28 400	41 200
46,0	68,8	113,6	25 700	38 200
48,0	67,7	112,8	23 300	35 400
50,0	66,7	112,0	21 100	32 900
52,0	65,6	111,1	19 000	30 600
54,0	64,6	110,1	17 100	28 500
56,0	63,5	109,1	15 300	26 500
58,0	62,4	108,1	13 700	24 700
60,0	61,4	107,0	12 200	23 000
62,0	60,3	105,8	10 700	21 400
64,0	59,1	104,6	9 400	19 900
66,0	58,0	103,4	8 100	18 500
68,0	56,9	102,1	7 000	17 200
70,0	55,7	100,7	5 800	16 000
72,0	54,6	99,3		14 900
74,0	53,4	97,8		13 800
76,0	52,2	96,3		12 700
78,0	50,9	94,7		11 800
80,0	49,7	93,0		10 800
82,0	48,4	91,2		10 000
84,0	47,1	89,3		9 100
86,0	45,8	87,4		8 300
88,0	44,4	85,4		7 600
90,0	43,0	83,3		6 800
92,0	41,6	81,0		6 100
94,0	40,1	78,7		5 400