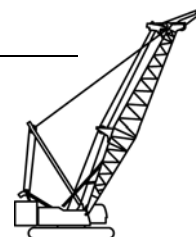


Liftcrane Boom Capacities

Boom No. 76
76 200 kg Crane Counterweight
24 040 kg Carbody Counterweight
360 Degree Rating



14000 SERIES 2



LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and are calculated to comply with EN 13000, ISO 4305 and include factors based on a 4,0 degree tipping angle. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 4 540 kg minimum weight.

Upper boom point capacity for liftcrane service with single part whip line is 14 290 kg or 27 220 kg with two part whip line. When boom butt mounted auxiliary drum is used, capacity with single part whip line is 9 070 kg, or 18 140 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

71,0 m thru 86,0 m boom lengths require only the middle two sheaves in lower boom point. All other sheaves must be removed from lower boom point.

Weight of upper boom point, jib, all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of main boom 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.

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with gantry up. Refer to boom rigging **No. A16106** and Wire Rope Specification chart **No. 8789-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 Operator's Manual for operating guidelines.



WIND CONDITIONS: Machine may operate with full working load in wind speeds up to the maximum wind speed value provided crane operator judgment is used to allow for wind effect on lifted load and other considerations noted on capacity chart are followed. Wind speed to be measured at boom point elevation. Refer to Wind Conditions Chart **No. 8790-A** for effect of wind on

lifted load, additional maximum wind speeds when lifting percentage of full working load, and instructions for parking when wind speed exceeds maximum operating wind speed.

MACHINE TRAVEL: Machine to travel on a firm, level [up to 1 percent (0,5 degrees) grade] and uniformly supporting surface. *Travel with 100 percent of rated load prohibited.* Travel restricted to 90 percent of rated capacity with speed not to exceed 0,4 m/s. Boom must be within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8788-A**.

MAX PERMISSIBLE SLEWING SPEED: Slewing operation with working load shall not exceed 0,4 m/s as measured at the operating radius. The amount of time to brake or start slewing a working load shall not be less than 2,5 seconds.



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

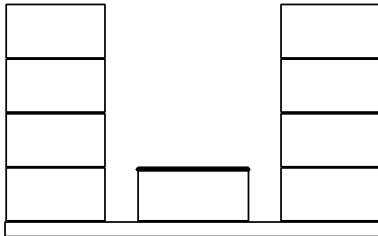


BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



BOOM POINT ELEVATION: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 8 280 mm crawlers, 1 219 mm treads, 3 124 mm retractable gantry, 8 230 mm live mast, 20 part boom hoist reeving, boom support straps, 76 200 kg crane counterweight, and two 12 020 kg carbody counterweights.



76 200 kg Crane Counterweight
8 Side Boxes - 1 Center Box

Deduct From Capacities When Jib Is Attached

Jib Length	Jib No. 134
9,1 m	1 770 kg
12,2 m	2 130 kg
15,2 m	2 540 kg
18,3 m	2 990 kg
21,3 m	3 450 kg
24,4 m	3 950 kg

Maximum Boom and Jib Lengths Lifted Unassisted

Over End of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 134	Boom Length	Jib No. 134
(a)(b) 86,0 m	—	(a) 77,0 m	—
(a) 83,0 m	—	74,0 m	—
80,0 m	—	71,0 m	(b) 9,1 m
77,0 m	(b) 12,2 m	68,0 m	12,2 m
77,0 m	9,1 m	65,0 m	(b) 24,4 m
74,0 m	(b) 21,3 m	65,0 m	21,3 m
74,0 m	18,3 m	62,0 m	24,4 m
71,0 m	24,4 m		

Load block, hook and weight ball on ground at start.

(a) Upper boom point must be removed. 86,0 m boom *must* be rigged with one hoist line.

(b) When catwalks are attached, raising reserve is less than 10% tip weight.

Consult jib chart for jib capacities.

Upper boom point cannot be used when jib is attached.

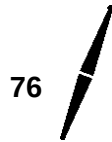
Upper Boom Point Deduct

Deduct 500 kg from capacities when upper boom point is attached.

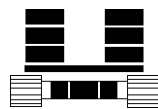
Boom Catwalks Deduct

Deduct 300 kg from boom capacities when boom catwalks are attached.

Explanation of Symbols



Boom No. 76



Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Boom Length



Maximum Wind Speed
(see page 1)



Operating Radius
(see page 1)



Boom Angle
(see page 1)

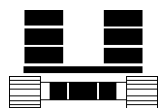


Boom Point Elevation
(see page 1)



Lifting Capacities
(see page 1)

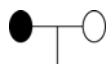
76

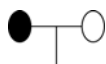


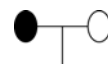
76 200 kg
+
24 040 kg



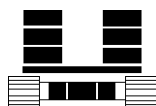
360°

 20,0 m  16 m/s			
m	°	m	kg
4,3	83,2	22,2	200 000 *b
5,0	81,1	22,1	171 000 *b
6,0	78,1	21,9	144 200 *b
7,0	75,2	21,6	124 400 *
8,0	72,2	21,3	109 300 *
9,0	69,1	20,9	97 300 *
10,0	65,9	20,4	87 600 *
11,0	62,7	19,9	79 600
12,0	59,4	19,3	71 400
13,0	55,9	18,6	63 600
14,0	52,3	17,8	57 300
15,0	48,4	16,9	52 100
16,0	44,4	15,9	47 600
18,0	35,0	13,3	40 400

 23,0 m  16 m/s			
m	°	m	kg
4,9	82,6	25,1	174 900 *b
5,0	82,3	25,1	171 000 *b
6,0	79,7	24,9	144 100 *b
7,0	77,2	24,7	124 300 *
8,0	74,6	24,4	109 200 *
9,0	71,9	24,1	97 200 *
10,0	69,3	23,7	87 500 *
11,0	66,6	23,3	79 400
12,0	63,8	22,8	71 500
13,0	60,9	22,2	63 700
14,0	58,0	21,6	57 400
15,0	54,9	20,9	52 100
16,0	51,7	20,1	47 600
18,0	44,9	18,2	40 500
20,0	37,0	15,7	35 000
22,0	27,1	12,3	30 500

 26,0 m  13 m/s			
m	°	m	kg
5,2	82,7	28,1	161 700 *
6,0	80,9	28,0	143 900 *
7,0	78,7	27,8	124 100 *
8,0	76,4	27,5	109 000 *
9,0	74,1	27,2	97 000 *
10,0	71,8	26,9	87 300 *
11,0	69,4	26,5	79 300
12,0	67,0	26,1	71 400
13,0	64,6	25,6	63 700
14,0	62,1	25,1	57 400
15,0	59,5	24,5	52 100
16,0	56,9	23,8	47 600
18,0	51,3	22,3	40 500
20,0	45,3	20,4	35 000
22,0	38,5	18,1	30 600
24,0	30,4	15,0	27 000

76



76 200 kg
+
24 040 kg

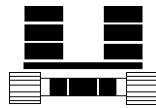


360°

29,0 m 13 m/s			
m	°	m	kg
5,5	82,9	31,1	155 800 *
6,0	81,9	31,0	143 900 *
7,0	79,9	30,9	124 000 *
8,0	77,8	30,6	108 900 *
9,0	75,8	30,4	97 000 *
10,0	73,7	30,1	86 600
11,0	71,6	29,7	77 600
12,0	69,5	29,4	70 200
13,0	67,4	28,9	63 800
14,0	65,2	28,5	57 400
15,0	63,0	28,0	52 200
16,0	60,7	27,4	47 700
18,0	56,0	26,1	40 500
20,0	51,0	24,5	35 000
22,0	45,6	22,7	30 600
24,0	39,6	20,4	27 100
26,0	32,7	17,5	24 100
28,0	23,9	13,6	21 600

32,0 m 11 m/s			
m	°	m	kg
5,8	83,0	34,1	142 800 *
6,0	82,6	34,1	141 900 *
7,0	80,8	33,9	123 900 *
8,0	79,0	33,7	108 500
9,0	77,2	33,5	95 000
10,0	75,3	33,2	84 300
11,0	73,4	32,9	75 700
12,0	71,5	32,6	68 500
13,0	69,6	32,2	62 500
14,0	67,7	31,8	57 300
15,0	65,7	31,3	52 100
16,0	63,7	30,8	47 600
18,0	59,6	29,7	40 400
20,0	55,3	28,4	34 900
22,0	50,7	26,8	30 500
24,0	45,9	24,9	27 000
26,0	40,5	22,7	24 000
28,0	34,4	20,0	21 500
30,0	27,2	16,4	19 400
32,0	17,1	11,2	17 500

35,0 m 11 m/s			
m	°	m	kg
6,7	82,1	37,0	127 800
7,0	81,6	37,0	122 100
8,0	80,0	36,8	105 200
9,0	78,3	36,6	92 400
10,0	76,6	36,3	82 200
11,0	74,9	36,0	73 900
12,0	73,2	35,7	67 000
13,0	71,5	35,4	61 200
14,0	69,7	35,0	56 300
15,0	67,9	34,6	51 900
16,0	66,1	34,2	47 700
18,0	62,5	33,2	40 300
20,0	58,7	32,0	34 800
22,0	54,7	30,6	30 400
24,0	50,5	29,0	26 900
26,0	46,1	27,2	24 000
28,0	41,2	25,0	21 500
30,0	35,8	22,4	19 400
32,0	29,6	19,1	17 600
34,0	21,7	14,7	15 900



76 200 kg
+
24 040 kg

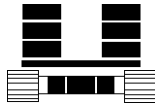


38,0 m 11 m/s			
m	°	m	kg
6,7	82,7	40,0	123 500
7,0	82,3	40,0	118 200
8,0	80,8	39,8	102 200
9,0	79,2	39,6	90 000
10,0	77,7	39,4	80 200
11,0	76,1	39,2	72 300
12,0	74,6	38,9	65 600
13,0	73,0	38,6	60 000
14,0	71,4	38,2	55 200
15,0	69,8	37,8	51 100
16,0	68,1	37,4	47 300
18,0	64,8	36,5	40 300
20,0	61,4	35,5	34 800
22,0	57,9	34,2	30 400
24,0	54,2	32,8	26 900
26,0	50,3	31,2	24 000
28,0	46,2	29,4	21 500
30,0	41,8	27,2	19 400
32,0	36,9	24,7	17 500
34,0	31,4	21,7	15 900
36,0	24,8	17,8	14 500

41,0 m 11 m/s			
m	°	m	kg
7,3	82,4	43,0	109 000
8,0	81,4	42,9	99 300
9,0	80,0	42,7	87 600
10,0	78,6	42,5	78 300
11,0	77,2	42,2	70 700
12,0	75,7	42,0	64 200
13,0	74,3	41,7	58 800
14,0	72,8	41,4	54 200
15,0	71,3	41,0	50 100
16,0	69,8	40,7	46 600
18,0	66,8	39,8	40 200
20,0	63,7	38,9	34 700
22,0	60,5	37,8	30 300
24,0	57,2	36,5	26 800
26,0	53,8	35,1	23 900
28,0	50,2	33,5	21 400
30,0	46,4	31,6	19 300
32,0	42,3	29,5	17 500
34,0	37,9	27,1	15 800
36,0	32,9	24,1	14 400
38,0	27,2	20,6	13 200

44,0 m 9 m/s			
m	°	m	kg
7,3	82,9	46,0	105 700
8,0	82,0	45,9	96 400
9,0	80,7	45,7	85 300
10,0	79,4	45,5	76 400
11,0	78,1	45,3	69 000
12,0	76,7	45,1	62 800
13,0	75,4	44,8	57 500
14,0	74,0	44,5	53 000
15,0	72,6	44,2	49 100
16,0	71,3	43,9	45 600
18,0	68,5	43,1	39 800
20,0	65,6	42,2	34 500
22,0	62,7	41,2	30 200
24,0	59,7	40,1	26 600
26,0	56,6	38,8	23 700
28,0	53,4	37,3	21 200
30,0	50,0	35,7	19 100
32,0	46,5	33,9	17 300
34,0	42,7	31,8	15 700
36,0	38,7	29,4	14 300
38,0	34,2	26,6	13 000
40,0	29,1	23,2	11 900
42,0	23,0	19,0	10 900

76



76 200 kg
+
24 040 kg

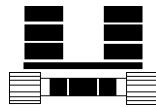


360°

47,0 m 9 m/s			
m	°	m	kg
7,9	82,6	49,0	94 700
8,0	82,5	48,9	93 800
9,0	81,3	48,8	83 100
10,0	80,1	48,6	74 500
11,0	78,8	48,4	67 400
12,0	77,6	48,2	61 400
13,0	76,3	47,9	56 300
14,0	75,1	47,7	52 000
15,0	73,8	47,4	48 100
16,0	72,5	47,0	44 700
18,0	69,9	46,3	39 100
20,0	67,3	45,5	34 400
22,0	64,6	44,6	30 000
24,0	61,8	43,5	26 500
26,0	59,0	42,4	23 500
28,0	56,1	41,1	21 100
30,0	53,1	39,6	18 900
32,0	49,9	38,0	17 100
34,0	46,6	36,1	15 600
36,0	43,1	34,0	14 100
38,0	39,3	31,7	12 900
40,0	35,2	29,0	11 800
42,0	30,7	25,8	10 800
44,0	25,3	21,9	9 800

50,0 m 9 m/s			
m	°	m	kg
8,5	82,4	51,9	85 500
9,0	81,8	51,8	81 100
10,0	80,7	51,7	72 800
11,0	79,5	51,5	66 000
12,0	78,3	51,3	60 200
13,0	77,2	51,0	55 200
14,0	76,0	50,8	51 000
15,0	74,8	50,5	47 200
16,0	73,6	50,2	43 900
18,0	71,2	49,5	38 400
20,0	68,7	48,8	33 900
22,0	66,2	47,9	30 000
24,0	63,7	46,9	26 400
26,0	61,1	45,9	23 500
28,0	58,4	44,7	21 000
30,0	55,6	43,3	18 900
32,0	52,8	41,8	17 100
34,0	49,8	40,2	15 500
36,0	46,7	38,4	14 100
38,0	43,4	36,3	12 800
40,0	39,9	34,0	11 700
42,0	36,1	31,4	10 700
44,0	32,0	28,3	9 800
46,0	27,2	24,7	9 000
48,0	21,5	20,1	8 200

53,0 m 9 m/s			
m	°	m	kg
8,5	82,8	54,9	83 300
9,0	82,3	54,9	79 100
10,0	81,2	54,7	71 100
11,0	80,1	54,5	64 500
12,0	79,0	54,3	58 900
13,0	77,9	54,1	54 100
14,0	76,8	53,9	50 000
15,0	75,7	53,6	46 300
16,0	74,5	53,3	43 100
18,0	72,3	52,7	37 700
20,0	70,0	52,0	33 400
22,0	67,7	51,2	29 700
24,0	65,3	50,3	26 300
26,0	62,9	49,3	23 300
28,0	60,4	48,2	20 800
30,0	57,9	46,9	18 700
32,0	55,2	45,6	16 900
34,0	52,5	44,1	15 300
36,0	49,7	42,4	13 900
38,0	46,8	40,6	12 700
40,0	43,7	38,6	11 500
42,0	40,4	36,3	10 600
44,0	36,9	33,7	9 700
46,0	33,1	30,8	8 800
48,0	28,8	27,4	8 000
50,0	23,8	23,2	7 300



76 200 kg
+
24 040 kg

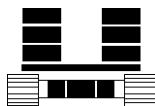


56,0 m 9 m/s			
m	°	m	kg
9,1	82,6	57,9	75 900
10,0	81,7	57,7	69 400
11,0	80,6	57,6	63 000
12,0	79,6	57,4	57 600
13,0	78,6	57,2	53 000
14,0	77,5	57,0	48 900
15,0	76,5	56,7	45 400
16,0	75,4	56,5	42 200
18,0	73,3	55,9	37 000
20,0	71,1	55,2	32 700
22,0	68,9	54,4	29 100
24,0	66,7	53,6	26 000
26,0	64,4	52,7	23 100
28,0	62,1	51,6	20 600
30,0	59,8	50,5	18 500
32,0	57,4	49,2	16 700
34,0	54,9	47,8	15 100
36,0	52,3	46,3	13 700
38,0	49,6	44,7	12 400
40,0	46,9	42,8	11 300
42,0	44,0	40,8	10 300
44,0	40,9	38,6	9 400
46,0	37,6	36,1	8 600
48,0	34,1	33,2	7 800
50,0	30,1	29,9	7 200
52,0	25,6	26,0	6 500
54,0	20,2	21,2	5 900

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

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

76



76 200 kg
+
24 040 kg



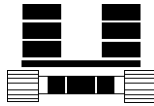
360°

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

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

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

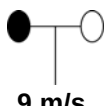
76

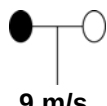


76 200 kg
+
24 040 kg



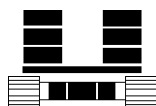
360°

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

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

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

76



76 200 kg
+
24 040 kg



360°

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

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