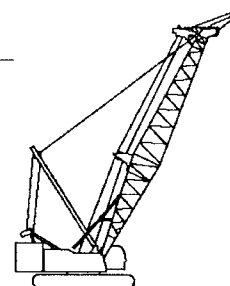


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Liftcrane Boom Capacities

Boom No. 76
57 610 kg Crane Counterweight
0 kg Carbody Counterweight
360 Degree Rating



14000 SERIES 1



LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. 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 74,0 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**, Wire Rope Specification chart **No. 8789-A**, and Wind Conditions chart **No. 8790-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.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8787-A**.



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

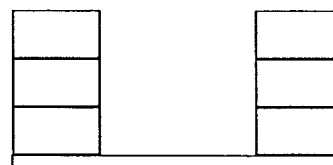


BOOM ANGLE: Boom angle in degrees ($^{\circ}$) is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.



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, 57 610 kg crane counterweight, and 0 kg carbody counterweight.



57 610 kg Crane Counterweight
6 Side Boxes - No Center Box



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) 74,0 m	—	65,0 m	—
71,0 m	—	62,0 m	—
68,0 m	—	59,0 m	15,2 m
65,0 m	15,2 m	56,0 m	21,3 m
62,0 m	24,4 m	53,0 m	24,4 m

Load block, hook and weight ball on ground at start.
 (a) Upper boom point cannot be used on 74,0 m boom.

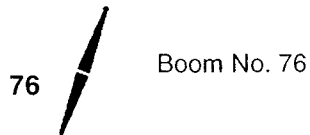
Consult jib chart for jib capacities.
 Upper boom point cannot be used when jib is attached.

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

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



Explanation of Symbols



Boom No. 76



Crane Counterweight
+
Carbody Counterweight



360 Degree Rating



Operating Radius
(see page 1)



Boom Angle
(see page 1)



Boom Point Elevation
(see page 1)



Lifting Capacities
(see page 1)



Boom Length

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57 610 kg
+
0 kg



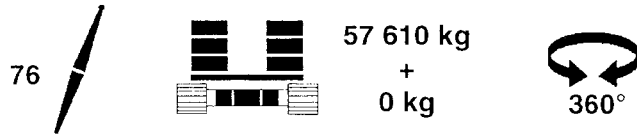
m	o	m	kg
 20,0 m			
4,3	83,2	22,2	186 200 *b
5,0	81,1	22,1	161 000 *b
6,0	78,1	21,9	135 700 *b
7,0	75,2	21,6	115 700
8,0	72,2	21,3	93 200
9,0	69,1	20,9	77 000
10,0	65,9	20,4	65 400
11,0	62,7	19,9	56 700
12,0	59,4	19,3	49 800
13,0	55,9	18,6	44 400
14,0	52,3	17,8	39 900
15,0	48,4	16,9	36 100
16,0	44,4	15,9	32 900
18,0	35,0	13,3	27 700

m	o	m	kg
 23,0 m			
4,9	82,6	25,1	164 600 *b
5,0	82,3	25,1	161 000 *b
6,0	79,7	24,9	135 600 *b
7,0	77,2	24,7	115 700
8,0	74,6	24,4	93 400
9,0	71,9	24,1	77 200
10,0	69,3	23,7	65 500
11,0	66,6	23,3	56 800
12,0	63,8	22,8	49 900
13,0	60,9	22,2	44 400
14,0	58,0	21,6	39 900
15,0	54,9	20,9	36 100
16,0	51,7	20,1	32 900
18,0	44,9	18,2	27 800
20,0	37,0	15,7	23 800
22,0	27,1	12,3	20 600

m	o	m	kg
 26,0 m			
5,2	82,7	28,1	155 400 *
6,0	80,9	28,0	135 400 *
7,0	78,7	27,8	115 700
8,0	76,4	27,5	93 500
9,0	74,1	27,2	77 200
10,0	71,8	26,9	65 600
11,0	69,4	26,5	56 800
12,0	67,0	26,1	49 900
13,0	64,6	25,6	44 400
14,0	62,1	25,1	39 900
15,0	59,5	24,5	36 100
16,0	56,9	23,8	32 900
18,0	51,3	22,3	27 800
20,0	45,3	20,4	23 800
22,0	38,5	18,1	20 700
24,0	30,4	15,0	18 100

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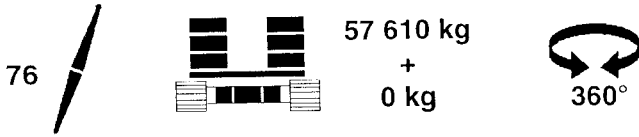
m	o	m	kg
29,0 m			
5,5	82,9	31,1	147 200 *
6,0	81,9	31,0	135 300 *
7,0	79,9	30,9	115 700
8,0	77,8	30,6	93 600
9,0	75,8	30,4	77 300
10,0	73,7	30,1	65 700
11,0	71,6	29,7	56 900
12,0	69,5	29,4	50 000
13,0	67,4	28,9	44 500
14,0	65,2	28,5	40 000
15,0	63,0	28,0	36 200
16,0	60,7	27,4	33 000
18,0	56,0	26,1	27 800
20,0	51,0	24,5	23 900
22,0	45,6	22,7	20 700
24,0	39,6	20,4	18 200
26,0	32,7	17,5	16 100
28,0	23,9	13,6	14 200

m	o	m	kg
32,0 m			
5,8	83,0	34,1	139 700 *
6,0	82,6	34,1	135 200 *
7,0	80,8	33,9	115 500
8,0	79,0	33,7	93 600
9,0	77,2	33,5	77 300
10,0	75,3	33,2	65 600
11,0	73,4	32,9	56 800
12,0	71,5	32,6	50 000
13,0	69,6	32,2	44 400
14,0	67,7	31,8	39 900
15,0	65,7	31,3	36 100
16,0	63,7	30,8	32 900
18,0	59,6	29,7	27 700
20,0	55,3	28,4	23 800
22,0	50,7	26,8	20 700
24,0	45,9	24,9	18 100
26,0	40,5	22,7	16 000
28,0	34,4	20,0	14 200
30,0	27,2	16,4	12 700
32,0	17,1	11,2	11 300

m	o	m	kg
35,0 m			
6,7	82,1	37,0	121 300 *
7,0	81,6	37,0	115 500
8,0	80,0	36,8	93 700
9,0	78,3	36,6	77 400
10,0	76,6	36,3	65 700
11,0	74,9	36,0	56 800
12,0	73,2	35,7	49 900
13,0	71,5	35,4	44 400
14,0	69,7	35,0	39 900
15,0	67,9	34,6	36 100
16,0	66,1	34,2	32 800
18,0	62,5	33,2	27 700
20,0	58,7	32,0	23 700
22,0	54,7	30,6	20 600
24,0	50,5	29,0	18 100
26,0	46,1	27,2	16 000
28,0	41,2	25,0	14 200
30,0	35,8	22,4	12 700
32,0	29,6	19,1	11 300
34,0	21,7	14,7	10 200

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38,0 m			
6,7	82,7	40,0	121 200 *
7,0	82,3	40,0	115 400
8,0	80,8	39,8	93 800
9,0	79,2	39,6	77 400
10,0	77,7	39,4	65 700
11,0	76,1	39,2	56 800
12,0	74,6	38,9	50 000
13,0	73,0	38,6	44 400
14,0	71,4	38,2	39 900
15,0	69,8	37,8	36 000
16,0	68,1	37,4	32 800
18,0	64,8	36,5	27 700
20,0	61,4	35,5	23 700
22,0	57,9	34,2	20 600
24,0	54,2	32,8	18 000
26,0	50,3	31,2	15 900
28,0	46,2	29,4	14 200
30,0	41,8	27,2	12 600
32,0	36,9	24,7	11 300
34,0	31,4	21,7	10 200
36,0	24,8	17,7	9 100

41,0 m			
7,3	82,4	43,0	109 300
8,0	81,4	42,9	93 800
9,0	80,0	42,7	77 400
10,0	78,6	42,5	65 700
11,0	77,2	42,2	56 800
12,0	75,7	42,0	49 900
13,0	74,3	41,7	44 300
14,0	72,8	41,4	39 800
15,0	71,3	41,0	36 000
16,0	69,8	40,7	32 800
18,0	66,8	39,8	27 600
20,0	63,7	38,9	23 700
22,0	60,5	37,8	20 500
24,0	57,2	36,5	18 000
26,0	53,8	35,1	15 900
28,0	50,2	33,5	14 100
30,0	46,4	31,6	12 600
32,0	42,3	29,5	11 200
34,0	37,9	27,1	10 100
36,0	32,9	24,1	9 100
38,0	27,2	20,6	8 200

44,0 m			
7,3	82,9	46,0	108 200 *
8,0	82,0	45,9	93 900
9,0	80,7	45,7	77 400
10,0	79,4	45,5	65 600
11,0	78,1	45,3	56 800
12,0	76,7	45,1	49 800
13,0	75,4	44,8	44 200
14,0	74,0	44,5	39 700
15,0	72,6	44,2	35 900
16,0	71,3	43,9	32 600
18,0	68,5	43,1	27 500
20,0	65,6	42,2	23 500
22,0	62,7	41,2	20 300
24,0	59,7	40,1	17 800
26,0	56,6	38,8	15 700
28,0	53,4	37,3	13 900
30,0	50,0	35,7	12 400
32,0	46,5	33,9	11 100
34,0	42,7	31,8	9 900
36,0	38,7	29,4	8 900
38,0	34,2	26,6	8 000
40,0	29,1	23,2	7 200
42,0	23,0	19,0	6 400

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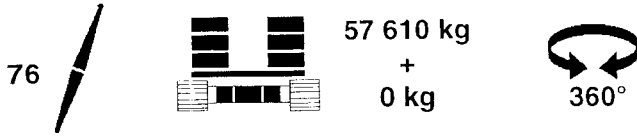
m	o	m	kg
47,0 m			
7,9	82,6	49,0	95 300
8,0	82,5	48,9	93 900
9,0	81,3	48,8	77 300
10,0	80,1	48,6	65 600
11,0	78,8	48,4	56 700
12,0	77,6	48,2	49 700
13,0	76,3	47,9	44 200
14,0	75,1	47,7	39 600
15,0	73,8	47,4	35 800
16,0	72,5	47,0	32 500
18,0	69,9	46,3	27 300
20,0	67,3	45,5	23 400
22,0	64,6	44,6	20 300
24,0	61,8	43,5	17 700
26,0	59,0	42,4	15 600
28,0	56,1	41,1	13 800
30,0	53,1	39,6	12 300
32,0	49,9	38,0	11 000
34,0	46,6	36,1	9 800
36,0	43,1	34,0	8 800
38,0	39,3	31,7	7 900
40,0	35,2	29,0	7 100
42,0	30,7	25,8	6 400
44,0	25,3	21,9	5 700

m	o	m	kg
50,0 m			
8,5	82,4	51,9	84 300
9,0	81,8	51,8	77 500
10,0	80,7	51,7	65 600
11,0	79,5	51,5	56 700
12,0	78,3	51,3	49 700
13,0	77,2	51,0	44 100
14,0	76,0	50,8	39 500
15,0	74,8	50,5	35 700
16,0	73,6	50,2	32 500
18,0	71,2	49,5	27 300
20,0	68,7	48,8	23 300
22,0	66,2	47,9	20 200
24,0	63,7	46,9	17 600
26,0	61,1	45,9	15 500
28,0	58,4	44,7	13 700
30,0	55,6	43,3	12 200
32,0	52,8	41,8	10 900
34,0	49,8	40,2	9 800
36,0	46,7	38,4	8 700
38,0	43,4	36,3	7 800
40,0	39,9	34,0	7 000
42,0	36,1	31,4	6 300
44,0	32,0	28,3	5 600
46,0	27,2	24,7	5 000
48,0	21,5	20,1	4 500

m	o	m	kg
53,0 m			
8,5	82,8	54,9	84 300
9,0	82,3	54,9	77 500
10,0	81,2	54,7	65 500
11,0	80,1	54,5	56 600
12,0	79,0	54,3	49 600
13,0	77,9	54,1	44 000
14,0	76,8	53,9	39 500
15,0	75,7	53,6	35 600
16,0	74,5	53,3	32 300
18,0	72,3	52,7	27 200
20,0	70,0	52,0	23 200
22,0	67,7	51,2	20 000
24,0	65,3	50,3	17 500
26,0	62,9	49,3	15 400
28,0	60,4	48,2	13 600
30,0	57,9	46,9	12 100
32,0	55,2	45,6	10 700
34,0	52,5	44,1	9 600
36,0	49,7	42,4	8 600
38,0	46,8	40,6	7 700
40,0	43,7	38,6	6 900
42,0	40,4	36,3	6 200
44,0	36,9	33,7	5 500
46,0	33,1	30,8	4 900
48,0	28,8	27,4	4 400
50,0	23,8	23,2	3 900

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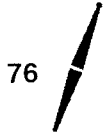
m	o	m	kg
56,0 m			
9,1	82,6	57,9	75 300
10,0	81,7	57,7	65 400
11,0	80,6	57,6	56 500
12,0	79,6	57,4	49 500
13,0	78,6	57,2	43 900
14,0	77,5	57,0	39 300
15,0	76,5	56,7	35 500
16,0	75,4	56,5	32 200
18,0	73,3	55,9	27 000
20,0	71,1	55,2	23 000
22,0	68,9	54,4	19 900
24,0	66,7	53,6	17 300
26,0	64,4	52,7	15 200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

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

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

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57 610 kg
+
0 kg



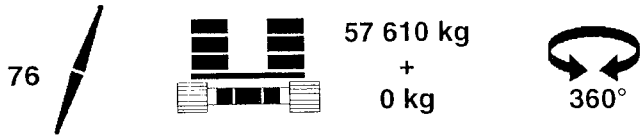
m	o	m	kg
 65,0 m			
10,4	82,5	66,8	61 700
11,0	82,0	66,7	56 300
12,0	81,1	66,5	49 200
13,0	80,2	66,4	43 600
14,0	79,3	66,2	39 000
15,0	78,4	65,9	35 200
16,0	77,5	65,7	31 900
18,0	75,6	65,2	26 700
20,0	73,8	64,7	22 700
22,0	72,0	64,0	19 500
24,0	70,1	63,3	16 900
26,0	68,2	62,5	14 800
28,0	66,3	61,7	13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

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

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

14000 S-1

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11,0	83,0	75,8	50 600 *
12,0	82,2	75,6	49 000
13,0	81,4	75,5	43 500
14,0	80,6	75,3	38 900
15,0	79,8	75,1	35 000
16,0	79,0	74,9	31 700
18,0	77,4	74,5	26 500
20,0	75,8	74,0	22 500
22,0	74,2	73,4	19 300
24,0	72,6	72,8	16 700
26,0	71,0	72,2	14 600
28,0	69,3	71,4	12 800
30,0	67,6	70,6	11 200
32,0	66,0	69,7	9 900
34,0	64,2	68,8	8 800
36,0	62,5	67,7	7 700
38,0	60,7	66,6	6 800
40,0	58,9	65,5	6 000
42,0	57,1	64,2	5 300
44,0	55,2	62,8	4 600
46,0	53,3	61,3	4 000
48,0	51,3	59,8	3 500
50,0	49,3	58,1	3 000
52,0	47,2	56,3	2 500
54,0	45,0	54,3	2 100