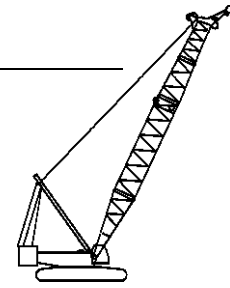




Liftcrane Boom Capacities

Boom No. 58 HL
150 590 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating



16000 SERIES 3



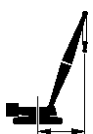
LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

Standard upper boom point capacity for liftcrane service with single part whip line is 13 610 kg or 27 220 kg with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

Weight of all jib, 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. Refer to boom rigging **No. A10415**, Wire Rope Specification chart **No. 8674-A**, Counterweight Arrangement chart **No. 8682-A** and Wind Conditions chart **No. 8688-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. 8683-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 10 363 mm crawlers, 1 524 mm treads, 9 754 mm live mast, 26 part boom hoist reeving, boom support straps, 150 590 kg crane counterweight, two 13 610 kg and four 6 800 kg carbody counterweights.

Maximum Boom and Jib Lengths Lifted Unassisted

Over End of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 133(A)	Boom Length	Jib No. 133(A)
(a)(b) 96,0 m	—	84,0 m	—
90,0 m	—	78,0 m	—
84,0 m	—	72,0 m	—
78,0 m	—	66,0 m	27,4 m
72,0 m	24,4 m	60,0 m	39,6 m
66,0 m	39,6 m	54,0 m	42,7 m
60,0 m	42,7 m		

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

(a) Upper boom point cannot be attached on 96,0 m boom.

(b) When equipped with boom catwalks, boom butt mounted auxiliary drum must be removed for 96,0 m boom.

Consult chart No. 8957-AM for jib capacities.

Upper boom point cannot be used when jib is attached.

Third Line Deduct

Deduct 230 kg from boom capacities when boom is equipped for three line operation.

Boom Catwalks Deduct

Deduct 300 kg from capacities when boom catwalks are attached.

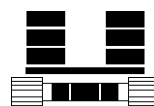
**Deduct From Capacities
When Jib Is Attached**

Jib Length	Jib No. 133(A)
21,3 m	17 300 kg
24,4 m	20 900 kg
27,4 m	24 400 kg
30,5 m	26 400 kg
33,5 m	29 600 kg
36,6 m	33 600 kg
39,6 m	37 600 kg
42,7 m	41 900 kg

Weight of jib and 3 700 kg suspended beneath jib point have been included in deduct.

Explanation of Symbols


Boom No. 58 Heavy Lift Top



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)



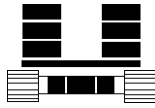
Boom Length

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58 HL



150 590 kg
+
54 430 kg



360°

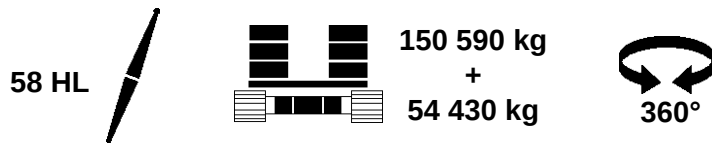
m	o	m	kg
30,0 m			
6,4	82,9	32,3	400 000 *
7,0	81,7	32,2	368 300 *
8,0	79,8	32,0	323 800 *
9,0	77,8	31,7	288 400 *
10,0	75,8	31,5	256 400 *
11,0	73,8	31,2	223 800
12,0	71,8	30,8	194 800
14,0	67,7	30,0	153 700
16,0	63,4	29,0	126 100
18,0	59,0	27,8	106 300
20,0	54,3	26,3	91 400
22,0	49,2	24,6	79 600
24,0	43,8	22,6	70 200
26,0	37,6	20,1	62 400
28,0	30,4	16,8	55 900
30,0	20,7	12,2	50 300

m	o	m	kg
36,0 m			
7,3	82,6	38,2	351 500 *
8,0	81,5	38,1	323 300 *
9,0	79,9	37,9	288 000 *
10,0	78,3	37,7	256 100 *
11,0	76,6	37,4	224 200
12,0	75,0	37,1	195 100
14,0	71,6	36,5	153 900
16,0	68,2	35,7	126 300
18,0	64,6	34,7	106 400
20,0	61,0	33,6	91 400
22,0	57,2	32,3	79 700
24,0	53,3	30,8	70 300
26,0	49,1	29,1	62 500
28,0	44,6	27,1	56 000
30,0	39,6	24,7	50 500
32,0	34,1	21,9	45 800
34,0	27,5	18,2	41 600
36,0	18,7	13,1	37 900

m	o	m	kg
42,0 m			
7,9	82,8	44,2	283 800 *
8,0	82,7	44,2	283 400 *
9,0	81,3	44,0	279 000 *
10,0	80,0	43,8	256 600 *
11,0	78,6	43,6	224 600
12,0	77,2	43,4	195 400
14,0	74,3	42,8	154 200
16,0	71,4	42,1	126 500
18,0	68,5	41,3	106 600
20,0	65,5	40,4	91 600
22,0	62,4	39,4	79 900
24,0	59,3	38,2	70 400
26,0	56,0	36,8	62 700
28,0	52,5	35,3	56 200
30,0	48,9	33,6	50 700
32,0	45,1	31,6	46 000
34,0	41,0	29,3	41 900
36,0	36,5	26,7	38 200
38,0	31,4	23,5	35 000
40,0	25,3	19,6	32 100

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m	o	m	kg
48,0 m			
8,5	83,0	50,2	270 700 *
9,0	82,4	50,1	269 300 *
10,0	81,2	49,9	257 200 *
11,0	80,0	49,7	224 700
12,0	78,8	49,5	195 400
14,0	76,3	49,0	154 100
16,0	73,8	48,5	126 300
18,0	71,3	47,8	106 300
20,0	68,8	47,0	91 300
22,0	66,2	46,1	79 500
24,0	63,5	45,1	70 100
26,0	60,7	44,0	62 400
28,0	57,9	42,7	55 900
30,0	55,0	41,3	50 300
32,0	52,0	39,8	45 600
34,0	48,8	38,0	41 500
36,0	45,5	36,1	37 900
38,0	42,0	33,9	34 700
40,0	38,1	31,4	31 900
42,0	33,9	28,5	29 300
44,0	29,2	25,1	27 000
46,0	23,5	20,8	24 800

m	o	m	kg
54,0 m			
9,8	82,5	56,0	219 000 *
10,0	82,2	56,0	216 100 *
11,0	81,1	55,8	204 600 *
12,0	80,1	55,7	193 200
14,0	77,9	55,2	154 000
16,0	75,7	54,7	126 100
18,0	73,5	54,1	106 200
20,0	71,2	53,4	91 200
22,0	69,0	52,7	79 400
24,0	66,7	51,8	69 900
26,0	64,3	50,8	62 100
28,0	61,9	49,7	55 600
30,0	59,4	48,6	50 100
32,0	56,9	47,3	45 400
34,0	54,3	45,8	41 300
36,0	51,6	44,2	37 700
38,0	48,8	42,5	34 500
40,0	45,8	40,6	31 700
42,0	42,7	38,4	29 100
44,0	39,4	36,0	26 800
46,0	35,8	33,3	24 700
48,0	31,9	30,2	22 800
50,0	27,4	26,5	21 100
52,0	22,1	21,9	19 400

m	o	m	kg
60,0 m			
10,4	82,6	62,0	197 500 *
11,0	82,0	61,9	191 300 *
12,0	81,1	61,8	181 900 *
14,0	79,1	61,4	154 500
16,0	77,2	60,9	125 800
18,0	75,2	60,4	105 800
20,0	73,2	59,8	90 700
22,0	71,2	59,1	78 900
24,0	69,1	58,3	69 400
26,0	67,0	57,5	61 600
28,0	64,9	56,5	55 100
30,0	62,8	55,5	49 600
32,0	60,6	54,4	44 900
34,0	58,4	53,1	40 800
36,0	56,1	51,8	37 100
38,0	53,7	50,3	33 900
40,0	51,2	48,7	31 100
42,0	48,7	47,0	28 600
44,0	46,1	45,1	26 200
46,0	43,3	43,0	24 200
48,0	40,4	40,6	22 300
50,0	37,2	38,0	20 500
52,0	33,9	35,1	18 900
54,0	30,1	31,8	17 400
56,0	25,9	27,8	16 100
58,0	20,9	23,0	14 800

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58 HL   150 590 kg
+
54 430 kg  360°

				kg
 66,0 m				
11,0	82,8	68,0	167 100 *	
12,0	81,9	67,8	159 600 *	
14,0	80,1	67,5	145 600	
16,0	78,3	67,1	126 900	
18,0	76,6	66,6	105 500	
20,0	74,8	66,0	90 400	
22,0	72,9	65,4	78 500	
24,0	71,1	64,7	69 100	
26,0	69,3	64,0	61 300	
28,0	67,4	63,1	54 700	
30,0	65,5	62,2	49 200	
32,0	63,5	61,2	44 500	
34,0	61,5	60,1	40 300	
36,0	59,5	59,0	36 800	
38,0	57,5	57,7	33 600	
40,0	55,4	56,3	30 700	
42,0	53,2	54,8	28 200	
44,0	51,0	53,2	25 900	
46,0	48,7	51,5	23 800	
48,0	46,3	49,5	21 900	
50,0	43,8	47,5	20 200	
52,0	41,1	45,2	18 500	
54,0	38,4	42,7	17 100	
56,0	35,4	40,0	15 700	
58,0	32,2	36,8	14 500	
60,0	28,7	33,3	13 300	
62,0	24,6	29,1	12 200	
64,0	19,9	24,0	11 100	

				kg
 72,0 m				
11,6	82,9	74,0	149 900 *	
12,0	82,6	73,9	147 000 *	
14,0	81,0	73,6	134 000 *	
16,0	79,3	73,2	121 900	
18,0	77,7	72,8	105 700	
20,0	76,1	72,3	89 900	
22,0	74,4	71,7	78 000	
24,0	72,7	71,1	68 500	
26,0	71,1	70,4	60 700	
28,0	69,4	69,6	54 100	
30,0	67,6	68,8	48 600	
32,0	65,9	67,9	43 900	
34,0	64,1	66,9	39 800	
36,0	62,3	65,9	36 100	
38,0	60,5	64,8	32 900	
40,0	58,6	63,5	30 100	
42,0	56,7	62,2	27 500	
44,0	54,8	60,8	25 200	
46,0	52,8	59,3	23 100	
48,0	50,7	57,7	21 200	
50,0	48,6	55,9	19 500	
52,0	46,4	54,0	17 900	
54,0	44,2	52,0	16 400	
56,0	41,8	49,8	15 100	
58,0	39,3	47,3	13 800	
60,0	36,6	44,7	12 600	
62,0	33,8	41,8	11 500	
64,0	30,7	38,5	10 500	
66,0	27,4	34,7	9 500	
68,0	23,5	30,4	8 600	
70,0	19,0	25,0	7 700	

				kg
 78,0 m				
12,2	83,0	79,9	137 300 *	
14,0	81,7	79,7	129 700 *	
16,0	80,2	79,3	120 900	
18,0	78,7	78,9	105 400	
20,0	77,2	78,5	89 500	
22,0	75,6	77,9	77 600	
24,0	74,1	77,4	68 000	
26,0	72,6	76,7	60 200	
28,0	71,0	76,1	53 600	
30,0	69,5	75,3	48 100	
32,0	67,9	74,5	43 300	
34,0	66,3	73,6	39 200	
36,0	64,6	72,7	35 600	
38,0	63,0	71,6	32 400	
40,0	61,3	70,5	29 500	
42,0	59,6	69,4	27 000	
44,0	57,9	68,1	24 700	
46,0	56,1	66,8	22 600	
48,0	54,3	65,3	20 700	
50,0	52,4	63,8	18 900	
52,0	50,5	62,2	17 400	
54,0	48,6	60,4	15 900	
56,0	46,6	58,5	14 500	
58,0	44,5	56,5	13 200	
60,0	42,3	54,3	12 100	
62,0	40,0	52,0	11 000	
64,0	37,6	49,4	10 000	
66,0	35,1	46,6	9 000	
68,0	32,4	43,5	8 100	
70,0	29,5	40,0	7 200	
72,0	26,2	36,1	6 400	
74,0	22,6	31,5	5 700	
76,0	18,2	25,9	4 900	

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58 HL   150 590 kg
+
54 430 kg  360°

				kg
 84,0 m				
13,7	82,5	85,8	114 300 *	
14,0	82,3	85,7	113 700 *	
16,0	80,9	85,4	110 000 *	
18,0	79,5	85,1	103 400	
20,0	78,1	84,6	88 900	
22,0	76,7	84,2	77 000	
24,0	75,3	83,6	67 400	
26,0	73,9	83,0	59 600	
28,0	72,4	82,4	53 000	
30,0	71,0	81,7	47 500	
32,0	69,5	81,0	42 700	
34,0	68,1	80,2	38 500	
36,0	66,6	79,3	34 900	
38,0	65,1	78,3	31 700	
40,0	63,5	77,3	28 800	
42,0	62,0	76,3	26 300	
44,0	60,4	75,2	24 000	
46,0	58,8	73,9	21 900	
48,0	57,2	72,7	20 000	
50,0	55,6	71,3	18 200	
52,0	53,9	69,8	16 600	
54,0	52,1	68,3	15 200	
56,0	50,4	66,6	13 800	
58,0	48,6	64,9	12 600	
60,0	46,7	63,0	11 400	
62,0	44,8	61,0	10 300	
64,0	42,8	58,8	9 300	
66,0	40,7	56,5	8 300	
68,0	38,5	54,0	7 400	
70,0	36,2	51,3	6 500	
72,0	33,8	48,4	5 700	
74,0	31,2	45,2	5 000	
76,0	28,4	41,5	4 200	

				kg
 90,0 m				
13,7	83,0	91,8	95 900 *	
14,0	82,8	91,8	95 500 *	
16,0	81,5	91,5	92 300 *	
18,0	80,2	91,2	89 400 *	
20,0	78,9	90,8	86 400	
22,0	77,6	90,3	76 800	
24,0	76,3	89,8	66 900	
26,0	75,0	89,3	59 000	
28,0	73,6	88,7	52 500	
30,0	72,3	88,1	46 900	
32,0	71,0	87,4	42 100	
34,0	69,6	86,6	38 000	
36,0	68,2	85,8	34 300	
38,0	66,8	85,0	31 100	
40,0	65,4	84,0	28 300	
42,0	64,0	83,1	25 700	
44,0	62,6	82,0	23 400	
46,0	61,1	80,9	21 300	
48,0	59,7	79,7	19 400	
50,0	58,2	78,5	17 700	
52,0	56,6	77,2	16 100	
54,0	55,1	75,8	14 600	
56,0	53,5	74,3	13 300	
58,0	51,9	72,8	12 000	
60,0	50,2	71,1	10 800	
62,0	48,5	69,3	9 700	
64,0	46,8	67,5	8 700	
66,0	45,0	65,5	7 800	
68,0	43,1	63,3	6 800	
70,0	41,2	61,1	6 000	
72,0	39,2	58,7	5 200	
74,0	37,1	56,0	4 400	
76,0	34,9	53,2	3 700	

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