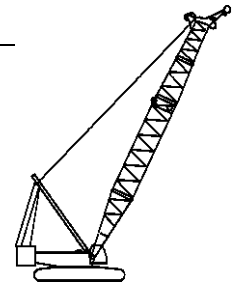




Liftcrane Boom Capacities

Boom No. 58 HL
134 260 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating



16000 SERIES 2



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 (°) 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, 134 260 kg crane counterweight and two 13 610 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)
84,0 m	—	78,0 m	—
78,0 m	—	72,0 m	—
72,0 m	—	66,0 m	—
66,0 m	27,4 m	60,0 m	27,4 m
60,0 m	39,6 m	54,0 m	39,6 m
54,0 m	42,7 m	48,0 m	42,7 m

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

Consult chart No. 8956-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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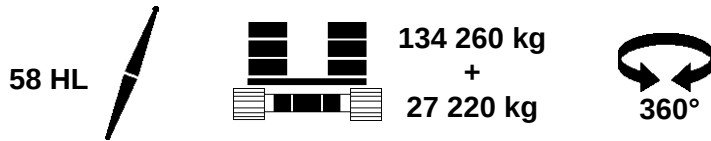


58 HL   134 260 kg
+
27 220 kg  360°

				kg
 30,0 m				
6,4	82,9	32,3	391 100 *	
7,0	81,7	32,2	359 200 *	
8,0	79,8	32,0	316 000 *	
9,0	77,8	31,7	276 000	
10,0	75,8	31,5	230 100	
11,0	73,8	31,2	196 400	
12,0	71,8	30,8	170 700	
14,0	67,7	30,0	134 400	
16,0	63,4	29,0	109 900	
18,0	59,0	27,8	92 400	
20,0	54,3	26,3	79 200	
22,0	49,2	24,6	68 800	
24,0	43,8	22,6	60 400	
26,0	37,6	20,1	53 500	
28,0	30,4	16,8	47 700	
30,0	20,7	12,2	42 700	

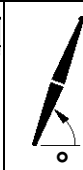
				kg
 36,0 m				
7,3	82,6	38,2	343 900 *	
8,0	81,5	38,1	315 400 *	
9,0	79,9	37,9	276 300	
10,0	78,3	37,7	230 700	
11,0	76,6	37,4	196 800	
12,0	75,0	37,1	171 000	
14,0	71,6	36,5	134 600	
16,0	68,2	35,7	110 100	
18,0	64,6	34,7	92 500	
20,0	61,0	33,6	79 300	
22,0	57,2	32,3	68 800	
24,0	53,3	30,8	60 500	
26,0	49,1	29,1	53 600	
28,0	44,6	27,1	47 900	
30,0	39,6	24,7	43 000	
32,0	34,1	21,9	38 700	
34,0	27,5	18,2	35 000	
36,0	18,7	13,1	31 700	

				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	273 600	
10,0	80,0	43,8	231 100	
11,0	78,6	43,6	197 200	
12,0	77,2	43,4	171 400	
14,0	74,3	42,8	134 900	
16,0	71,4	42,1	110 300	
18,0	68,5	41,3	92 700	
20,0	65,5	40,4	79 400	
22,0	62,4	39,4	69 000	
24,0	59,3	38,2	60 600	
26,0	56,0	36,8	53 800	
28,0	52,5	35,3	48 000	
30,0	48,9	33,6	43 200	
32,0	45,1	31,6	39 000	
34,0	41,0	29,3	35 300	
36,0	36,5	26,7	32 100	
38,0	31,4	23,5	29 300	
40,0	25,3	19,6	26 700	



				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	231 500	
11,0	80,0	49,7	197 200	
12,0	78,8	49,5	171 300	
14,0	76,3	49,0	134 700	
16,0	73,8	48,5	110 100	
18,0	71,3	47,8	92 400	
20,0	68,8	47,0	79 100	
22,0	66,2	46,1	68 700	
24,0	63,5	45,1	60 300	
26,0	60,7	44,0	53 400	
28,0	57,9	42,7	47 700	
30,0	55,0	41,3	42 800	
32,0	52,0	39,8	38 600	
34,0	48,8	38,0	35 000	
36,0	45,5	36,1	31 800	
38,0	42,0	33,9	28 900	
40,0	38,1	31,4	26 400	
42,0	33,9	28,5	24 100	
44,0	29,2	25,1	22 100	
46,0	23,5	20,8	20 200	

				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	197 500	
12,0	80,1	55,7	171 400	
14,0	77,9	55,2	134 700	
16,0	75,7	54,7	110 000	
18,0	73,5	54,1	92 300	
20,0	71,2	53,4	78 900	
22,0	69,0	52,7	68 500	
24,0	66,7	51,8	60 100	
26,0	64,3	50,8	53 200	
28,0	61,9	49,7	47 500	
30,0	59,4	48,6	42 600	
32,0	56,9	47,3	38 400	
34,0	54,3	45,8	34 700	
36,0	51,6	44,2	31 600	
38,0	48,8	42,5	28 700	
40,0	45,8	40,6	26 200	
42,0	42,7	38,4	23 900	
44,0	39,4	36,0	21 900	
46,0	35,8	33,3	20 000	
48,0	31,9	30,2	18 300	
50,0	27,4	26,5	16 800	
52,0	22,1	21,9	15 300	

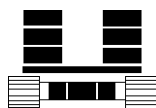
				kg
 60,0 m				
10,4	82,6	62,0	197 500 *	
11,0	82,0	61,9	191 200	
12,0	81,1	61,8	171 900	
14,0	79,1	61,4	134 400	
16,0	77,2	60,9	109 600	
18,0	75,2	60,4	91 900	
20,0	73,2	59,8	78 500	
22,0	71,2	59,1	68 000	
24,0	69,1	58,3	59 600	
26,0	67,0	57,5	52 700	
28,0	64,9	56,5	46 900	
30,0	62,8	55,5	42 000	
32,0	60,6	54,4	37 800	
34,0	58,4	53,1	34 200	
36,0	56,1	51,8	31 000	
38,0	53,7	50,3	28 200	
40,0	51,2	48,7	25 600	
42,0	48,7	47,0	23 400	
44,0	46,1	45,1	21 300	
46,0	43,3	43,0	19 500	
48,0	40,4	40,6	17 800	
50,0	37,2	38,0	16 300	
52,0	33,9	35,1	14 800	
54,0	30,1	31,8	13 500	
56,0	25,9	27,8	12 300	
58,0	20,9	23,0	11 100	

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58 HL



134 260 kg
+
27 220 kg



360°

m	o	m	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	134 800
16,0	78,3	67,1	109 400
18,0	76,6	66,6	91 600
20,0	74,8	66,0	78 200
22,0	72,9	65,4	67 700
24,0	71,1	64,7	59 300
26,0	69,3	64,0	52 400
28,0	67,4	63,1	46 600
30,0	65,5	62,2	41 700
32,0	63,5	61,2	37 500
34,0	61,5	60,1	33 800
36,0	59,5	59,0	30 600
38,0	57,5	57,7	27 800
40,0	55,4	56,3	25 300
42,0	53,2	54,8	23 000
44,0	51,0	53,2	21 000
46,0	48,7	51,5	19 100
48,0	46,3	49,5	17 400
50,0	43,8	47,5	15 900
52,0	41,1	45,2	14 500
54,0	38,4	42,7	13 100
56,0	35,4	40,0	11 900
58,0	32,2	36,8	10 800
60,0	28,7	33,3	9 700
62,0	24,6	29,1	8 700
64,0	19,9	24,0	7 800

m	o	m	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	133 000
16,0	79,3	73,2	109 300
18,0	77,7	72,8	91 200
20,0	76,1	72,3	77 700
22,0	74,4	71,7	67 100
24,0	72,7	71,1	58 700
26,0	71,1	70,4	51 800
28,0	69,4	69,6	46 000
30,0	67,6	68,8	41 100
32,0	65,9	67,9	36 800
34,0	64,1	66,9	33 200
36,0	62,3	65,9	30 000
38,0	60,5	64,8	27 100
40,0	58,6	63,5	24 600
42,0	56,7	62,2	22 300
44,0	54,8	60,8	20 300
46,0	52,8	59,3	18 400
48,0	50,7	57,7	16 700
50,0	48,6	55,9	15 200
52,0	46,4	54,0	13 800
54,0	44,2	52,0	12 500
56,0	41,8	49,8	11 300
58,0	39,3	47,3	10 200
60,0	36,6	44,7	9 100
62,0	33,8	41,8	8 200
64,0	30,7	38,5	7 200
66,0	27,4	34,7	6 400
68,0	23,5	30,4	5 500
70,0	19,0	25,0	4 800

m	o	m	kg
78,0 m			
12,2	83,0	79,9	137 300 *
14,0	81,7	79,7	128 900
16,0	80,2	79,3	109 500
18,0	78,7	78,9	90 800
20,0	77,2	78,5	77 300
22,0	75,6	77,9	66 700
24,0	74,1	77,4	58 200
26,0	72,6	76,7	51 300
28,0	71,0	76,1	45 500
30,0	69,5	75,3	40 500
32,0	67,9	74,5	36 300
34,0	66,3	73,6	32 600
36,0	64,6	72,7	29 400
38,0	63,0	71,6	26 600
40,0	61,3	70,5	24 000
42,0	59,6	69,4	21 800
44,0	57,9	68,1	19 700
46,0	56,1	66,8	17 900
48,0	54,3	65,3	16 200
50,0	52,4	63,8	14 600
52,0	50,5	62,2	13 300
54,0	48,6	60,4	11 900
56,0	46,6	58,5	10 700
58,0	44,5	56,5	9 600
60,0	42,3	54,3	8 500
62,0	40,0	52,0	7 600
64,0	37,6	49,4	6 700
66,0	35,1	46,6	5 800
68,0	32,4	43,5	5 000
70,0	29,5	40,0	4 200
72,0	26,2	36,1	3 500

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58 HL   134 260 kg
+
27 220 kg  360°

 m	 °	 m	 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	107 100
18,0	79,5	85,1	90 700
20,0	78,1	84,6	76 700
22,0	76,7	84,2	66 100
24,0	75,3	83,6	57 600
26,0	73,9	83,0	50 700
28,0	72,4	82,4	44 800
30,0	71,0	81,7	39 900
32,0	69,5	81,0	35 700
34,0	68,1	80,2	32 000
36,0	66,6	79,3	28 800
38,0	65,1	78,3	25 900
40,0	63,5	77,3	23 400
42,0	62,0	76,3	21 100
44,0	60,4	75,2	19 000
46,0	58,8	73,9	17 200
48,0	57,2	72,7	15 500
50,0	55,6	71,3	13 900
52,0	53,9	69,8	12 500
54,0	52,1	68,3	11 200
56,0	50,4	66,6	10 000
58,0	48,6	64,9	8 900
60,0	46,7	63,0	7 800
62,0	44,8	61,0	6 900
64,0	42,8	58,8	5 900
66,0	40,7	56,5	5 100
68,0	38,5	54,0	4 300
70,0	36,2	51,3	3 500