



Liftcrane Boom

Extended Upper Point Capacities

Boom No. 58 HL with 7,0 m Extended
Upper Boom Point
134 260 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

16000 SERIES 2



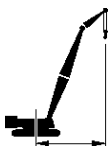
LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

Upper boom point (upper sheave) capacity for liftcrane service with single part whip line is 13 610 kg. In all cases, upper boom point capacities cannot exceed those listed for extended upper boom point (lower sheave) capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath upper boom point sheaves, is considered part of extended upper boom point 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-B**, 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-B**.



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.



EXTENDED UPPER BOOM POINT

ELEVATION: Extended upper boom point elevation is vertical distance from ground level to centerline of extended upper boom point (lower sheave) 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 Length Lifted Unassisted

Over End of Blocked Crawlers	Over Side of Crawlers
Boom Length	Boom Length
84,0 m	78,0 m
Load block, hook and weight ball on ground at start.	

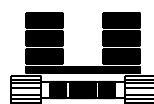
Boom Catwalks Deduct

Deduct 300 kg from capacities when boom catwalks are attached.

Lower boom point must be removed when extended upper boom point is attached.

Explanation of Symbols

58 HL  Boom No. 58 Heavy Lift Top
with 7,0 m Extended Upper
Boom Point

 Crane Counterweight
+
Carbody Counterweight

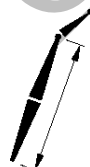
 360° 360 Degree Rating

 Operating Radius
(see page 1)

 Boom Angle
(see page 1)

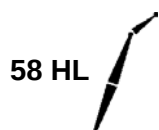
 Extended Upper
Boom Point Elevation
(see page 1)

 Lifting Capacities
(see page 1)

 Boom Length

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58 HL



134 260 kg
+
27 220 kg



360°

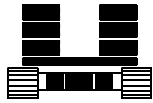
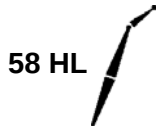
m	°	m	kg
42,0 m			
13,7	80,5	50,0	97 600 *
14,0	80,2	49,9	97 600 *
16,0	77,7	49,3	97 600 *
18,0	75,3	48,7	96 100
20,0	72,7	47,9	84 100
22,0	70,2	47,0	73 300
24,0	67,6	46,1	64 700
26,0	64,9	45,0	57 600
28,0	62,2	43,7	51 700
30,0	59,3	42,4	46 600
32,0	56,4	40,9	42 200
34,0	53,3	39,2	38 500
36,0	50,1	37,3	35 100
38,0	46,7	35,2	32 200
40,0	43,0	32,8	29 500
42,0	39,0	30,0	27 200

m	°	m	kg
48,0 m			
13,7	81,6	56,1	97 600 *
14,0	81,3	56,1	97 600 *
16,0	79,1	55,6	97 600 *
18,0	76,9	55,0	95 800
20,0	74,7	54,3	83 800
22,0	72,5	53,5	73 000
24,0	70,2	52,7	64 300
26,0	67,9	51,8	57 200
28,0	65,6	50,7	51 200
30,0	63,1	49,5	46 200
32,0	60,7	48,3	41 800
34,0	58,1	46,9	38 100
36,0	55,5	45,3	34 700
38,0	52,7	43,6	31 800
40,0	49,9	41,8	29 100
42,0	46,9	39,7	26 800
44,0	43,7	37,4	24 700
46,0	40,2	34,8	22 700

m	°	m	kg
54,0 m			
13,7	82,4	62,3	97 600 *
14,0	82,2	62,2	97 600 *
16,0	80,2	61,8	97 600 *
18,0	78,3	61,2	95 700
20,0	76,3	60,6	83 600
22,0	74,3	60,0	72 800
24,0	72,3	59,2	64 100
26,0	70,3	58,4	56 900
28,0	68,2	57,4	51 000
30,0	66,1	56,4	45 900
32,0	63,9	55,3	41 600
34,0	61,7	54,1	37 700
36,0	59,5	52,8	34 400
38,0	57,1	51,3	31 500
40,0	54,7	49,8	28 900
42,0	52,3	48,1	26 500
44,0	49,7	46,2	24 400
46,0	47,0	44,2	22 500
48,0	44,2	41,9	20 700
50,0	41,1	39,4	19 100
52,0	37,9	36,6	17 600

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134 260 kg
+
27 220 kg



360°

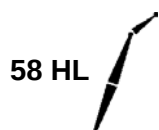
m	°	m	kg
60,0 m			
15,2	81,8	68,1	97 600 *
16,0	81,1	67,9	97 600 *
18,0	79,4	67,4	95 500
20,0	77,6	66,9	83 300
22,0	75,8	66,3	72 400
24,0	74,0	65,6	63 700
26,0	72,1	64,8	56 500
28,0	70,3	64,0	50 500
30,0	68,4	63,1	45 400
32,0	66,5	62,1	41 100
34,0	64,5	61,1	37 200
36,0	62,6	59,9	33 900
38,0	60,5	58,7	31 000
40,0	58,5	57,3	28 300
42,0	56,3	55,8	26 000
44,0	54,2	54,2	23 900
46,0	51,9	52,5	21 900
48,0	49,6	50,7	20 200
50,0	47,1	48,7	18 600
52,0	44,6	46,5	17 100
54,0	41,9	44,0	15 700
56,0	39,0	41,4	14 400

m	°	m	kg
66,0 m			
15,2	82,5	74,2	97 600 *
16,0	81,9	74,0	97 600 *
18,0	80,2	73,6	95 300
20,0	78,6	73,1	83 000
22,0	77,0	72,5	72 100
24,0	75,3	71,9	63 300
26,0	73,7	71,2	56 100
28,0	72,0	70,5	50 100
30,0	70,3	69,7	45 000
32,0	68,6	68,8	40 600
34,0	66,8	67,8	36 800
36,0	65,1	66,8	33 500
38,0	63,3	65,7	30 600
40,0	61,4	64,5	27 900
42,0	59,6	63,2	25 600
44,0	57,6	61,8	23 500
46,0	55,7	60,3	21 500
48,0	53,7	58,7	19 800
50,0	51,6	57,0	18 100
52,0	49,4	55,1	16 600
54,0	47,2	53,1	15 300
56,0	44,9	51,0	14 000
58,0	42,5	48,6	12 800
60,0	39,9	46,0	11 800
62,0	37,2	43,2	10 700

m	°	m	kg
72,0 m			
16,8	81,9	80,0	97 600 *
18,0	81,0	79,7	95 000
20,0	79,5	79,3	82 600
22,0	78,0	78,8	71 600
24,0	76,5	78,2	62 900
26,0	75,0	77,6	55 600
28,0	73,4	76,9	49 600
30,0	71,9	76,1	44 500
32,0	70,3	75,3	40 100
34,0	68,7	74,5	36 200
36,0	67,1	73,5	32 900
38,0	65,5	72,5	29 900
40,0	63,8	71,4	27 300
42,0	62,2	70,3	25 000
44,0	60,5	69,0	22 800
46,0	58,7	67,7	20 900
48,0	56,9	66,3	19 100
50,0	55,1	64,8	17 500
52,0	53,2	63,2	16 000
54,0	51,3	61,5	14 700
56,0	49,3	59,6	13 400
58,0	47,3	57,6	12 200
60,0	45,2	55,5	11 100
62,0	42,9	53,2	10 100
64,0	40,6	50,7	9 200
66,0	38,2	48,0	8 200

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58 HL



134 260 kg
+
27 220 kg



360°

m	°	m	kg
16,8	82,5	86,1	91 300 *
18,0	81,7	85,8	89 600 *
20,0	80,3	85,4	82 600
22,0	78,9	84,9	71 300
24,0	77,5	84,4	62 400
26,0	76,1	83,8	55 200
28,0	74,7	83,2	49 100
30,0	73,2	82,5	44 000
32,0	71,8	81,8	39 600
34,0	70,3	81,0	35 700
36,0	68,9	80,1	32 400
38,0	67,4	79,2	29 400
40,0	65,9	78,2	26 800
42,0	64,3	77,2	24 400
44,0	62,8	76,1	22 300
46,0	61,2	74,9	20 300
48,0	59,6	73,6	18 600
50,0	58,0	72,2	17 000
52,0	56,3	70,8	15 500
54,0	54,6	69,3	14 100
56,0	52,9	67,6	12 800
58,0	51,1	65,9	11 600
60,0	49,3	64,1	10 600
62,0	47,4	62,1	9 500
64,0	45,4	60,0	8 600
66,0	43,4	57,7	7 700
68,0	41,2	55,3	6 900
70,0	39,0	52,7	6 000
72,0	36,6	49,8	5 300

m	°	m	kg
16,8	83,0	92,2	87 800 *
18,0	82,2	91,9	86 500 *
20,0	80,9	91,6	82 400
22,0	79,6	91,1	70 900
24,0	78,3	90,6	62 000
26,0	77,0	90,1	54 700
28,0	75,7	89,5	48 600
30,0	74,4	88,9	43 400
32,0	73,1	88,2	39 000
34,0	71,7	87,4	35 200
36,0	70,3	86,7	31 800
38,0	69,0	85,8	28 800
40,0	67,6	84,9	26 100
42,0	66,2	83,9	23 800
44,0	64,8	82,9	21 600
46,0	63,3	81,8	19 700
48,0	61,9	80,7	17 900
50,0	60,4	79,4	16 300
52,0	58,9	78,1	14 800
54,0	57,4	76,8	13 400
56,0	55,8	75,3	12 200
58,0	54,2	73,7	11 000
60,0	52,6	72,1	9 900
62,0	50,9	70,4	8 900
64,0	49,2	68,5	7 900
66,0	47,4	66,6	7 000
68,0	45,6	64,5	6 200
70,0	43,7	62,3	5 400
72,0	41,7	59,9	4 600
74,0	39,7	57,3	3 900
76,0	37,5	54,6	3 200