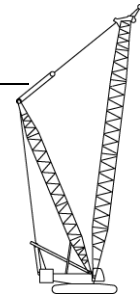




Liftcrane Boom Capacities

Boom No. 58 HL with 30,0 m Mast No. 59A
 150 590 kg Crane Counterweight
 54 430 kg Carbody Counterweight
 360 Degree Rating



16000 SERIES 3 With Mast



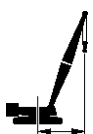
LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

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 load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom 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. A14546**, Wire Rope Specification chart **No. 8745-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. 8746-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, 30,0 m mast, 12 part boom hoist reeving, boom support straps, 150 590 kg crane counterweight, two 13 610 kg and four 6 800 kg carbody counterweights.

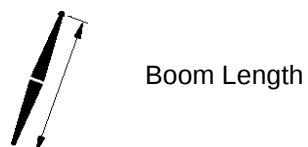
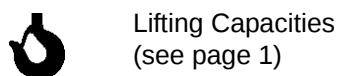
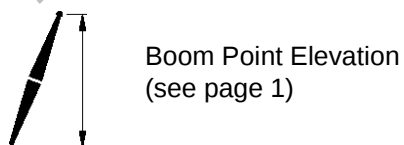
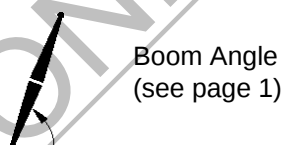
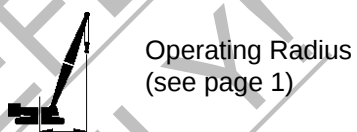
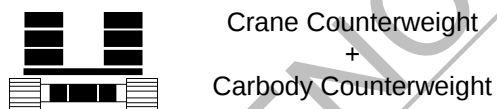
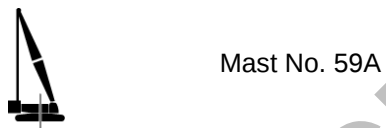
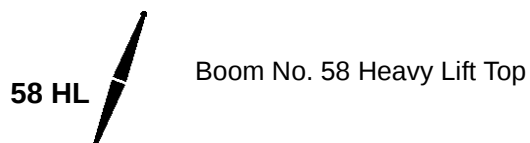
Maximum Boom Length Lifted Unassisted

Over End of Blocked Crawlers	Over Side of Crawlers
Boom Length	Boom Length
96,0 m	90,0 m
Load block, hook and weight ball on ground at start.	

Boom Catwalks Deduct

Deduct 300 kg from capacities when boom catwalks are attached.

Explanation of Symbols

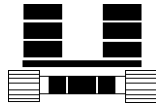


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58 HL



150 590 kg
+
54 430 kg



360°

m	o	m	kg
42,0 m			
7,9	82,8	44,2	335 000 *
8,0	82,7	44,2	332 100 *
9,0	81,3	44,0	295 900 *
10,0	80,0	43,8	266 400 *
11,0	78,6	43,6	239 800 *
12,0	77,2	43,4	215 400
14,0	74,3	42,8	170 500
16,0	71,4	42,1	140 000
18,0	68,5	41,3	118 200
20,0	65,5	40,4	101 700
22,0	62,4	39,4	88 800
24,0	59,3	38,2	78 400
26,0	56,0	36,8	69 900
28,0	52,5	35,3	62 700
30,0	48,9	33,6	56 700
32,0	45,1	31,6	51 500
34,0	41,0	29,3	47 000
36,0	36,5	26,7	43 000
38,0	31,4	23,5	39 400
40,0	25,3	19,6	36 300

m	o	m	kg
48,0 m			
8,5	83,0	50,2	311 200 *
9,0	82,4	50,1	295 600 *
10,0	81,2	49,9	266 000 *
11,0	80,0	49,7	239 500 *
12,0	78,8	49,5	215 700
14,0	76,3	49,0	170 700
16,0	73,8	48,5	140 100
18,0	71,3	47,8	118 100
20,0	68,8	47,0	101 600
22,0	66,2	46,1	88 600
24,0	63,5	45,1	78 200
26,0	60,7	44,0	69 700
28,0	57,9	42,7	62 500
30,0	55,0	41,3	56 400
32,0	52,0	39,8	51 200
34,0	48,8	38,0	46 700
36,0	45,5	36,1	42 700
38,0	42,0	33,9	39 200
40,0	38,1	31,4	36 000
42,0	33,9	28,5	33 200
44,0	29,2	25,1	30 700
46,0	23,5	20,8	28 300

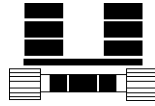
m	o	m	kg
54,0 m			
9,8	82,5	56,0	272 200 *
10,0	82,2	56,0	265 600 *
11,0	81,1	55,8	239 000 *
12,0	80,1	55,7	215 500
14,0	77,9	55,2	170 600
16,0	75,7	54,7	140 000
18,0	73,5	54,1	118 000
20,0	71,2	53,4	101 300
22,0	69,0	52,7	88 300
24,0	66,7	51,8	77 900
26,0	64,3	50,8	69 400
28,0	61,9	49,8	62 200
30,0	59,4	48,6	56 100
32,0	56,9	47,3	50 900
34,0	54,3	45,8	46 300
36,0	51,6	44,2	42 300
38,0	48,8	42,5	38 800
40,0	45,8	40,6	35 700
42,0	42,7	38,4	32 800
44,0	39,4	36,0	30 300
46,0	35,8	33,3	28 000
48,0	31,9	30,2	25 800
50,0	27,4	26,5	23 900
52,0	22,1	21,9	22 100

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58 HL



150 590 kg
+
54 430 kg



m	o	m	kg
60,0 m			
10,4	82,6	62,0	255 200 *
11,0	82,0	61,9	238 500 *
12,0	81,1	61,8	215 300
14,0	79,1	61,4	170 500
16,0	77,2	60,9	139 700
18,0	75,2	60,4	117 600
20,0	73,2	59,8	101 000
22,0	71,2	59,1	87 900
24,0	69,1	58,3	77 500
26,0	67,0	57,5	68 900
28,0	64,9	56,5	61 700
30,0	62,8	55,5	55 600
32,0	60,6	54,4	50 400
34,0	58,4	53,1	45 800
36,0	56,1	51,8	41 800
38,0	53,7	50,3	38 300
40,0	51,2	48,7	35 100
42,0	48,7	47,0	32 300
44,0	46,1	45,1	29 800
46,0	43,3	43,0	27 400
48,0	40,4	40,6	25 300
50,0	37,2	38,0	23 400
52,0	33,9	35,1	21 700
54,0	30,1	31,8	20 000
56,0	25,9	27,8	18 500
58,0	20,9	23,0	17 000

m	o	m	kg
66,0 m			
11,0	82,8	68,0	238 900 *
12,0	81,9	67,8	215 400
14,0	80,1	67,5	170 600
16,0	78,3	67,1	139 800
18,0	76,6	66,6	117 700
20,0	74,8	66,0	101 000
22,0	72,9	65,4	87 900
24,0	71,1	64,7	77 400
26,0	69,3	64,0	68 900
28,0	67,4	63,1	61 700
30,0	65,5	62,2	55 500
32,0	63,5	61,2	50 300
34,0	61,5	60,1	45 700
36,0	59,5	59,0	41 700
38,0	57,5	57,7	38 200
40,0	55,4	56,3	35 100
42,0	53,2	54,8	32 200
44,0	51,0	53,2	29 700
46,0	48,7	51,5	27 400
48,0	46,3	49,5	25 300
50,0	43,8	47,5	23 400
52,0	41,1	45,2	21 600
54,0	38,4	42,7	19 900
56,0	35,4	40,0	18 400
58,0	32,2	36,8	17 000
60,0	28,7	33,3	15 700
62,0	24,6	29,1	14 400
64,0	19,9	24,0	13 200

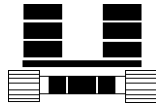
m	o	m	kg
72,0 m			
11,6	82,9	74,0	224 000 *
12,0	82,6	73,9	215 100
14,0	81,0	73,6	170 300
16,0	79,3	73,2	139 400
18,0	77,7	72,8	117 200
20,0	76,1	72,3	100 500
22,0	74,4	71,7	87 400
24,0	72,7	71,1	76 900
26,0	71,1	70,4	68 300
28,0	69,4	69,6	61 100
30,0	67,6	68,8	55 000
32,0	65,9	67,9	49 700
34,0	64,1	66,9	45 100
36,0	62,3	65,9	41 100
38,0	60,5	64,8	37 600
40,0	58,6	63,5	34 400
42,0	56,7	62,2	31 600
44,0	54,8	60,8	29 100
46,0	52,8	59,3	26 800
48,0	50,7	57,7	24 700
50,0	48,6	55,9	22 700
52,0	46,4	54,0	20 900
54,0	44,2	52,0	19 300
56,0	41,8	49,8	17 800
58,0	39,3	47,3	16 400
60,0	36,6	44,7	15 100
62,0	33,8	41,8	13 800
64,0	30,7	38,5	12 700
66,0	27,4	34,7	11 600
68,0	23,5	30,4	10 600
70,0	19,0	25,0	9 600

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58 HL



150 590 kg
+
54 430 kg



360°

m	o	m	kg
78,0 m			
12,2	83,0	79,9	205 100 *
14,0	81,7	79,7	170 700
16,0	80,2	79,3	139 200
18,0	78,7	78,9	117 000
20,0	77,2	78,5	100 200
22,0	75,6	77,9	87 100
24,0	74,1	77,4	76 500
26,0	72,6	76,7	67 900
28,0	71,0	76,1	60 700
30,0	69,5	75,3	54 500
32,0	67,9	74,5	49 300
34,0	66,3	73,6	44 700
36,0	64,6	72,7	40 700
38,0	63,0	71,6	37 200
40,0	61,3	70,5	34 000
42,0	59,6	69,4	31 200
44,0	57,9	68,1	28 600
46,0	56,1	66,8	26 300
48,0	54,3	65,3	24 200
50,0	52,4	63,8	22 300
52,0	50,5	62,2	20 500
54,0	48,6	60,4	18 800
56,0	46,6	58,5	17 300
58,0	44,5	56,5	15 900
60,0	42,3	54,3	14 600
62,0	40,0	52,0	13 400
64,0	37,6	49,4	12 200
66,0	35,1	46,6	11 200
68,0	32,4	43,5	10 200
70,0	29,5	40,0	9 200
72,0	26,2	36,1	8 300
74,0	22,6	31,5	7 400
76,0	18,2	25,9	6 500 *

m	o	m	kg
84,0 m			
13,7	82,5	85,8	175 400
14,0	82,3	85,8	170 600
16,0	80,9	85,4	138 800
18,0	79,5	85,1	116 500
20,0	78,1	84,6	99 700
22,0	76,7	84,2	86 500
24,0	75,3	83,6	75 900
26,0	73,9	83,0	67 300
28,0	72,4	82,4	60 100
30,0	71,0	81,7	53 900
32,0	69,5	81,0	48 600
34,0	68,1	80,2	44 100
36,0	66,6	79,3	40 000
38,0	65,1	78,3	36 500
40,0	63,5	77,3	33 300
42,0	62,0	76,3	30 500
44,0	60,4	75,2	27 900
46,0	58,8	73,9	25 600
48,0	57,2	72,7	23 500
50,0	55,6	71,3	21 600
52,0	53,9	69,8	19 800
54,0	52,1	68,3	18 200
56,0	50,4	66,6	16 700
58,0	48,6	64,9	15 200
60,0	46,7	63,0	13 900
62,0	44,8	61,0	12 700
64,0	42,8	58,8	11 600
66,0	40,7	56,5	10 500
68,0	38,5	54,0	9 500
70,0	36,2	51,3	8 500
72,0	33,8	48,4	7 600
74,0	31,2	45,2	6 600 *
76,0	28,4	41,5	5 600 *
78,0	25,2	37,4	4 700 *
80,0	21,7	32,7	3 700 *

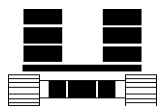
m	o	m	kg
90,0 m			
13,7	83,0	91,8	148 400 *
14,0	82,8	91,8	148 400 *
16,0	81,5	91,5	138 900
18,0	80,2	91,2	116 300
20,0	78,9	90,8	99 400
22,0	77,6	90,3	86 200
24,0	76,3	89,8	75 700
26,0	75,0	89,3	67 000
28,0	73,6	88,7	59 700
30,0	72,3	88,1	53 600
32,0	71,0	87,4	48 300
34,0	69,6	86,6	43 700
36,0	68,2	85,8	39 700
38,0	66,8	85,0	36 100
40,0	65,4	84,0	32 900
42,0	64,0	83,1	30 100
44,0	62,6	82,0	27 600
46,0	61,1	80,9	25 300
48,0	59,7	79,8	23 100
50,0	58,2	78,5	21 200
52,0	56,6	77,2	19 400
54,0	55,1	75,8	17 800
56,0	53,5	74,3	16 300
58,0	51,9	72,8	14 900
60,0	50,2	71,1	13 600
62,0	48,5	69,3	12 300
64,0	46,8	67,5	11 200
66,0	45,0	65,5	10 100
68,0	43,1	63,3	9 100
70,0	41,2	61,1	8 200
72,0	39,2	58,7	7 200 *
74,0	37,1	56,0	6 200 *
76,0	34,9	53,2	5 200 *
78,0	32,6	50,1	4 300 *

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58 HL



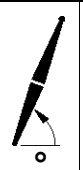
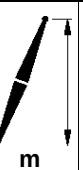
150 590 kg

+

54 430 kg



360°

 m	 °	 m	 kg
 96,0 m			
15,2	82,5	97,7	126 900 *
16,0	82,0	97,6	126 900 *
18,0	80,8	97,2	115 700
20,0	79,6	96,9	98 900
22,0	78,4	96,5	85 600
24,0	77,2	96,0	75 000
26,0	75,9	95,5	66 300
28,0	74,7	94,9	59 000
30,0	73,4	94,4	52 900
32,0	72,2	93,7	47 500
34,0	70,9	93,0	43 000
36,0	69,7	92,3	38 900
38,0	68,4	91,5	35 400
40,0	67,1	90,6	32 200
42,0	65,8	89,7	29 300
44,0	64,4	88,8	26 800
46,0	63,1	87,8	24 500
48,0	61,7	86,7	22 400
50,0	60,4	85,5	20 400
52,0	59,0	84,3	18 600
54,0	57,6	83,1	17 000
56,0	56,1	81,7	15 500
58,0	54,7	80,3	14 100
60,0	53,2	78,8	12 700
62,0	51,7	77,2	11 500
64,0	50,1	75,6	10 400
66,0	48,5	73,8	9 300
68,0	46,9	71,9	8 300
70,0	45,2	70,0	7 200 *
72,0	43,5	67,9	6 100 *
74,0	41,7	65,6	5 100 *
76,0	39,8	63,3	4 100 *