

Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
76 750 kg Counterweight
360 Degree Rating

Maximum Operating Wind Speeds 14 m/s thru 61.0m Boom 10 m/s from 64.0 m thru 91.4m Boom 10 m/s with Jib

LIFTING CAPACITIES: Capacities for various boom lengths and operating radii are for freely suspended loads and are calculated to comply with EN 13000, ISO 4305 and include factors based on a 4.0 degree tipping angle. Capacities based on structural competence are denoted by an asterisk (*).

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.

76.2m thru 91.4m boom lengths require only the middle three sheaves to be used on lower boom point. All other sheaves must be removed from lower boom point.

Weight of jib, all load blocks, hooks, weight ball, slings, etc. beneath boom and jib point sheaves is considered part of main boom load. Reeved hoist line included in boom weight. 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. 179809**, Wire Rope Specification chart **No. 8030-A**, and Counterweight Arrangement chart **No. 8026-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 operators manual for operating guidelines.

WIND CONDITIONS: Machine may be operated in winds stated in Maximum Operating Wind Speed table provided crane operator judgment is used to allow for wind effect on lifted load and other considerations noted on capacity chart are followed. Wind will have a considerable effect on load with a large "sail area" and must be compensated for accordingly by reducing load ratings, reducing operating speeds or by a combination of both. Wind speed to be

measured at boom point elevation. **Operation is not permitted when wind is above conditions stated in Maximum Operating Wind Speed table.** Park crane (upper inline with crawlers) with load block on ground or secured and position boom at 70 degrees. Lower boom onto blocking at ground level when wind is above 22 m/s.

MACHINE TRAVEL: Machine to travel on a firm, level, and uniformly supporting surface and boom within boom angle range shown in capacity chart. *Travel with 100 percent of rated load prohibited.* Travel restricted to 90 percent of rated capacity with speed not to exceed 0.4 m/s. Refer to Maximum Allowable Travel Specification chart **No. 8998-A**.

MAX PERMISSIBLE SLEWING SPEED: Slewing operation with working load shall not exceed 0.4 m/s as measured at the operating radius. The amount of time to brake or start slewing a working load shall not be less than 2.5 seconds.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle 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 9 373 mm crawlers, 1 219 mm treads, 8 534 mm retractable gantry, 12 part boom hoist reeving, boom support straps, and 76 750 kg counterweights.

Boom Catwalks Deduct
Deduct 300 kg from capacities when boom catwalks are attached.

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10 m/s with Jib

Deduct From Capacities When Jib Is Attached	
Jib Length	Jib No. 132
12.2m	2 900 kg
18.3m	3 720 kg
24.4m	4 670 kg
30.5m	5 810 kg
36.6m	6 940 kg

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

Maximum Boom and Jib Lengths Lifted Unassisted					
Over Front of Blocked Crawlers		Over Rear of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 132	Boom Length	Jib No. 132	Boom Length	Jib No. 132
(a)(b)(c)(d) 91.4m	—	(a)(b)(c)(d) 88.4m	—	(a)(b)(c) 79.2m	—
(a)(b)(c)(d) 88.4m	—	(a)(b)(c) 85.3m	—	(b) 76.2m	—
(a) 85.3m	—	(a) 82.3m	—	73.2m	—
82.3m	—	79.2m	—	70.1m	(d)12.2m
79.2m	(b)(d)(e) 18.3m	76.2m	(d)(e) 18.3m	67.1m	(b)(d) 24.4m
79.2m	(b)(d) 12.2m	76.2m	(d) 12.2m	67.1m	(d) 18.3m
76.2m	(d)(e) 24.4m	73.2m	(d)(e) 18.3m	64.0m	(d) 30.5m
76.2m	(d) 18.3m	73.2m	(d) 12.2m	61.0m	(d) 36.6m
73.2m	(b)(d)(e) 30.5m	70.1m	(b)(d) 30.5m	57.9m	36.6m
73.2m	(d) 24.4m	70.1m	(d) 24.4m		
73.2m	(d) 18.3m	67.1m	(d) 36.6m		
70.1m	(d)(e) 36.6m	67.1m	(d) 30.5m		
70.1m	(d) 30.5m	64.0m	36.6m		
67.1m	(d) 36.6m				
64.0m	36.6m				
Load block, hook and weight ball on ground at start. (a) Upper boom point and third line sheave assembly on boom top must be removed. (b) Machine must be equipped with optional upperworks jacking cylinders. (c) Boom <i>must</i> be rigged with one hoist lead line. (d) Raising reserve is less than 10% tip weight. (e) When equipped with boom catwalks, length cannot be raised.					

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10 m/s with Jib

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
5.5	82.9	23.5	250 000 *
6.0	81.5	23.4	247 700 *
6.5	80.2	23.3	231 900
7.0	78.8	23.2	208 200
7.5	77.4	23.1	189 100
8.0	76.0	22.9	173 200
8.5	74.6	22.8	159 600
9.0	73.2	22.6	147 900
10.0	70.3	22.2	128 700
11.0	67.4	21.8	112 900
12.0	64.4	21.3	98 500
13.0	61.3	20.7	87 200
14.0	58.1	20.1	78 000
15.0	54.8	19.4	70 400
16.0	51.4	18.5	64 000
18.0	43.8	16.6	54 000
20.0	34.8	13.9	46 400
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	238 500 *
6.5	81.4	26.4	220 700
7.0	80.2	26.3	199 200
7.5	79.0	26.2	181 600
8.0	77.8	26.1	166 600
8.5	76.6	26.0	153 900
9.0	75.4	25.8	142 900
10.0	72.9	25.5	124 700
11.0	70.4	25.1	110 500
12.0	67.8	24.7	98 300
13.0	65.2	24.2	86 900
14.0	62.6	23.7	77 700
15.0	59.8	23.1	70 100
16.0	57.0	22.4	63 700
18.0	51.1	20.8	53 600
20.0	44.5	18.9	46 000
22.0	37.0	16.4	40 100
24.0	27.6	13.0	35 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	215 100
6.5	82.4	29.5	210 900
7.0	81.3	29.4	191 100
7.5	80.3	29.3	174 700
8.0	79.2	29.2	160 700
8.5	78.1	29.1	148 700
9.0	77.0	29.0	138 300
10.0	74.9	28.7	121 100
11.0	72.7	28.4	107 500
12.0	70.4	28.0	96 400
13.0	68.2	27.6	87 000
14.0	65.9	27.1	77 600
15.0	63.5	26.6	70 000
16.0	61.1	26.0	63 600
18.0	56.1	24.7	53 400
20.0	50.8	23.1	45 800
22.0	45.0	21.2	39 800
24.0	38.5	18.8	35 100
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	193 800
7.0	82.2	32.5	183 500
7.5	81.2	32.4	168 200
8.0	80.3	32.3	155 100
8.5	79.3	32.2	143 800
9.0	78.4	32.1	133 900
10.0	76.4	31.9	117 500
11.0	74.5	31.6	104 500
12.0	72.5	31.2	93 900
13.0	70.5	30.9	85 100
14.0	68.5	30.5	77 400
15.0	66.4	30.0	69 700
16.0	64.3	29.5	63 300
18.0	60.0	28.4	53 100
20.0	55.4	27.0	45 500
22.0	50.6	25.4	39 500
24.0	45.4	23.5	34 600
26.0	39.7	21.2	30 800
28.0	33.1	18.3	27 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	169 800 *
7.5	82.0	35.5	163 100
8.0	81.2	35.4	150 100
8.5	80.3	35.3	139 400
9.0	79.4	35.2	130 100
10.0	77.7	35.0	114 500
11.0	75.9	34.7	102 000
12.0	74.1	34.4	91 800
13.0	72.3	34.1	83 300
14.0	70.5	33.8	76 100
15.0	68.7	33.3	69 700
16.0	66.8	32.9	63 500
18.0	63.0	31.9	53 200
20.0	59.0	30.7	45 500
22.0	54.9	29.3	39 400
24.0	50.5	27.7	34 600
26.0	45.8	25.8	30 700
28.0	40.6	23.6	27 400
30.0	34.9	20.9	24 600
32.0	28.0	17.4	22 300
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	161 200
7.5	82.7	38.6	156 600
8.0	81.9	38.5	145 000
8.5	81.1	38.4	134 900
9.0	80.3	38.3	126 000
10.0	78.7	38.1	111 200
11.0	77.1	37.9	99 200
12.0	75.5	37.6	89 400
13.0	73.9	37.3	81 200
14.0	72.2	37.0	74 200
15.0	70.5	36.6	68 200
16.0	68.9	36.2	62 700
18.0	65.4	35.3	52 800
20.0	61.9	34.3	45 100
22.0	58.2	33.1	39 000
24.0	54.4	31.7	34 100
26.0	50.4	30.0	30 200
28.0	46.1	28.2	26 900
30.0	41.4	26.0	24 100
32.0	36.3	23.4	21 700
34.0	30.3	20.1	19 700

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10 m/s with Jib

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	142 000
8.0	82.6	41.6	140 500
8.5	81.8	41.5	130 900
9.0	81.1	41.4	122 400
10.0	79.6	41.3	108 300
11.0	78.1	41.0	96 800
12.0	76.6	40.8	87 400
13.0	75.1	40.5	79 400
14.0	73.6	40.2	72 700
15.0	72.1	39.9	66 900
16.0	70.6	39.5	61 800
18.0	67.4	38.7	52 700
20.0	64.2	37.7	45 000
22.0	60.9	36.6	38 900
24.0	57.5	35.4	34 100
26.0	54.0	34.0	30 100
28.0	50.3	32.3	26 700
30.0	46.3	30.5	23 900
32.0	42.0	28.3	21 500
34.0	37.4	25.8	19 500
36.0	32.2	22.8	17 700
38.0	25.9	19.0	16 200
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	131 500
8.5	82.4	44.6	126 800
9.0	81.7	44.5	118 800
10.0	80.4	44.4	105 200
11.0	79.0	44.2	94 200
12.0	77.6	43.9	85 100
13.0	76.2	43.7	77 400
14.0	74.8	43.4	70 800
15.0	73.4	43.1	65 200
16.0	72.0	42.8	60 200
18.0	69.1	42.0	52 000
20.0	66.2	41.1	44 500
22.0	63.2	40.1	38 400
24.0	60.1	39.0	33 600
26.0	56.9	37.7	29 600
28.0	53.6	36.3	26 300
30.0	50.2	34.6	23 400
32.0	46.5	32.8	21 000
34.0	42.6	30.7	18 900
36.0	38.3	28.2	17 200
38.0	33.6	25.3	15 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	122 500
9.0	82.3	47.6	115 400
10.0	81.0	47.5	102 500
11.0	79.7	47.3	91 900
12.0	78.5	47.1	83 100
13.0	77.2	46.8	75 600
14.0	75.9	46.6	69 300
15.0	74.6	46.3	63 800
16.0	73.3	46.0	59 000
18.0	70.6	45.3	51 000
20.0	67.9	44.5	44 400
22.0	65.2	43.6	38 300
24.0	62.3	42.5	33 300
26.0	59.4	41.4	29 400
28.0	56.4	40.0	26 000
30.0	53.3	38.6	23 200
32.0	50.1	36.9	20 800
34.0	46.7	35.1	18 700
36.0	43.0	33.0	16 900
38.0	39.1	30.6	15 300
40.0	34.9	27.8	13 900
42.0	30.1	24.6	12 700
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	114 400
9.0	82.8	50.7	112 200
10.0	81.6	50.6	99 800
11.0	80.4	50.4	89 600
12.0	79.2	50.2	81 100
13.0	78.0	50.0	73 900
14.0	76.8	49.7	67 700
15.0	75.6	49.4	62 400
16.0	74.3	49.2	57 700
18.0	71.9	48.5	49 900
20.0	69.4	47.8	43 600
22.0	66.8	46.9	38 100
24.0	64.2	46.0	33 100
26.0	61.5	44.9	29 100
28.0	58.8	43.7	25 700
30.0	56.0	42.4	22 900
32.0	53.1	40.9	20 400
34.0	50.0	39.2	18 300
36.0	46.8	37.4	16 500
38.0	43.4	35.3	14 900
40.0	39.8	33.0	13 500
42.0	35.9	30.3	12 200
44.0	31.6	27.2	11 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	107 200
10.0	82.1	53.6	97 200
11.0	81.0	53.5	87 400
12.0	79.8	53.3	79 200
13.0	78.7	53.1	72 300
14.0	77.6	52.9	66 300
15.0	76.4	52.6	61 100
16.0	75.3	52.3	56 500
18.0	73.0	51.7	48 900
20.0	70.6	51.0	42 700
22.0	68.3	50.2	37 700
24.0	65.8	49.4	32 900
26.0	63.4	48.4	28 900
28.0	60.8	47.3	25 500
30.0	58.3	46.0	22 700
32.0	55.6	44.7	20 200
34.0	52.8	43.2	18 100
36.0	50.0	41.5	16 300
38.0	47.0	39.7	14 600
40.0	43.8	37.7	13 200
42.0	40.4	35.4	12 000
44.0	36.8	32.8	10 800
46.0	32.8	29.8	9 800
48.0	28.4	26.3	9 000

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10 m/s with Jib

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	97 200
10.0	82.5	56.7	94 600
11.0	81.5	56.6	85 200
12.0	80.4	56.4	77 200
13.0	79.3	56.2	70 500
14.0	78.3	56.0	64 700
15.0	77.2	55.7	59 600
16.0	76.1	55.5	55 100
18.0	74.0	54.9	47 600
20.0	71.8	54.3	41 700
22.0	69.5	53.5	36 700
24.0	67.3	52.7	32 400
26.0	65.0	51.8	28 400
28.0	62.6	50.7	25 000
30.0	60.2	49.6	22 200
32.0	57.8	48.4	19 700
34.0	55.2	47.0	17 600
36.0	52.6	45.5	15 800
38.0	49.9	43.8	14 100
40.0	47.1	42.0	12 700
42.0	44.1	40.0	11 500
44.0	41.0	37.7	10 300
46.0	37.6	35.2	9 300
48.0	33.9	32.3	8 400
50.0	29.9	29.0	7 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	88 800
11.0	81.9	59.7	83 100
12.0	80.9	59.5	75 500
13.0	79.9	59.3	68 900
14.0	78.9	59.1	63 300
15.0	77.9	58.9	58 400
16.0	76.9	58.6	54 000
18.0	74.8	58.1	46 700
20.0	72.8	57.5	40 900
22.0	70.7	56.8	36 000
24.0	68.5	56.0	32 000
26.0	66.4	55.1	28 200
28.0	64.2	54.2	24 800
30.0	61.9	53.1	22 000
32.0	59.7	52.0	19 500
34.0	57.3	50.7	17 400
36.0	54.9	49.3	15 500
38.0	52.4	47.8	13 900
40.0	49.9	46.1	12 400
42.0	47.2	44.3	11 200
44.0	44.4	42.3	10 000
46.0	41.4	40.1	9 000
48.0	38.3	37.6	8 100
50.0	34.9	34.8	7 200
52.0	31.2	31.6	6 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
10.4	82.9	62.8	86 600
11.0	82.3	62.7	81 200
12.0	81.4	62.6	73 800
13.0	80.4	62.4	67 500
14.0	79.5	62.2	62 000
15.0	78.5	62.0	57 200
16.0	77.5	61.8	52 900
18.0	75.6	61.3	45 800
20.0	73.6	60.7	40 000
22.0	71.7	60.0	35 200
24.0	69.7	59.3	31 300
26.0	67.6	58.5	27 900
28.0	65.6	57.6	24 600
30.0	63.5	56.6	21 800
32.0	61.3	55.5	19 300
34.0	59.2	54.3	17 200
36.0	56.9	53.0	15 300
38.0	54.6	51.6	13 600
40.0	52.3	50.1	12 200
42.0	49.8	48.4	10 900
44.0	47.3	46.6	9 700
46.0	44.6	44.6	8 700
48.0	41.8	42.4	7 700
50.0	38.9	40.0	6 900
52.0	35.7	37.3	6 100
54.0	32.3	34.2	5 400
56.0	28.5	30.7	4 800



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
64.0m (210 Ft.) BOOM			
11.0	82.7	65.8	79 500
12.0	81.8	65.7	72 100
13.0	80.9	65.5	66 000
14.0	80.0	65.3	60 700
15.0	79.1	65.1	55 900
16.0	78.1	64.9	51 800
18.0	76.3	64.4	44 800
20.0	74.4	63.9	39 200
22.0	72.6	63.2	34 500
24.0	70.7	62.5	30 600
26.0	68.8	61.8	27 200
28.0	66.8	60.9	24 300
30.0	64.8	60.0	21 500
32.0	62.8	59.0	19 100
34.0	60.8	57.9	16 900
36.0	58.7	56.7	15 000
38.0	56.6	55.4	13 400
40.0	54.4	53.9	11 900
42.0	52.1	52.4	10 600
44.0	49.8	50.7	9 400
46.0	47.4	48.9	8 400
48.0	44.8	46.9	7 500
50.0	42.2	44.8	6 600
52.0	39.4	42.4	5 800
54.0	36.4	39.7	5 100
56.0	33.2	36.8	4 500
58.0	29.7	33.4	3 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
67.1m (220 Ft.) BOOM			
11.6	82.5	68.8	73 100
12.0	82.2	68.7	70 400
13.0	81.3	68.6	64 400
14.0	80.4	68.4	59 200
15.0	79.6	68.2	54 600
16.0	78.7	68.0	50 500
18.0	76.9	67.6	43 700
20.0	75.2	67.0	38 200
22.0	73.4	66.4	33 600
24.0	71.6	65.8	29 700
26.0	69.8	65.1	26 400
28.0	67.9	64.2	23 600
30.0	66.1	63.4	21 000
32.0	64.2	62.4	18 600
34.0	62.2	61.4	16 500
36.0	60.3	60.2	14 600
38.0	58.3	59.0	12 900
40.0	56.2	57.7	11 500
42.0	54.1	56.3	10 200
44.0	52.0	54.7	9 000
46.0	49.7	53.0	7 900
48.0	47.4	51.2	7 000
50.0	45.0	49.3	6 100
52.0	42.5	47.1	5 300
54.0	39.9	44.8	4 600
56.0	37.1	42.2	4 000
58.0	34.1	39.3	3 400
60.0	30.9	36.1	2 900
62.0	27.3	32.4	2 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
70.1m (230 Ft.) BOOM			
11.6	82.9	71.9	71 500
12.0	82.5	71.8	68 900
13.0	81.7	71.7	63 000
14.0	80.9	71.5	58 000
15.0	80.0	71.3	53 500
16.0	79.2	71.1	49 600
18.0	77.5	70.7	42 900
20.0	75.8	70.2	37 500
22.0	74.1	69.6	33 000
24.0	72.4	69.0	29 100
26.0	70.7	68.3	25 900
28.0	68.9	67.5	23 100
30.0	67.2	66.7	20 600
32.0	65.4	65.8	18 500
34.0	63.6	64.8	16 300
36.0	61.7	63.7	14 400
38.0	59.8	62.6	12 800
40.0	57.9	61.3	11 300
42.0	55.9	60.0	10 000
44.0	53.9	58.6	8 800
46.0	51.8	57.0	7 700
48.0	49.7	55.3	6 800
50.0	47.5	53.5	5 900
52.0	45.2	51.6	5 100
54.0	42.8	49.4	4 400
56.0	40.3	47.1	3 700
58.0	37.7	44.6	3 100
60.0	34.9	41.8	2 600
62.0	31.8	38.7	2 100

Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
76 750 kg Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
14 m/s thru 61.0m Boom
10 m/s from 64.0 m thru 91.4m Boom
10 m/s with Jib

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
73.2m (240 Ft.) BOOM			
12.2	82.7	74.9	66 000
13.0	82.0	74.8	61 500
14.0	81.2	74.6	56 600
15.0	80.4	74.4	52 200
16.0	79.6	74.2	48 400
18.0	78.0	73.8	41 800
20.0	76.4	73.3	36 500
22.0	74.8	72.8	32 000
24.0	73.2	72.2	28 300
26.0	71.5	71.5	25 100
28.0	69.9	70.8	22 300
30.0	68.2	70.0	19 900
32.0	66.5	69.2	17 800
34.0	64.7	68.2	15 900
36.0	63.0	67.2	14 000
38.0	61.2	66.1	12 300
40.0	59.4	64.9	10 800
42.0	57.5	63.7	9 500
44.0	55.6	62.3	8 400
46.0	53.7	60.9	7 300
48.0	51.7	59.3	6 300
50.0	49.7	57.6	5 400
52.0	47.6	55.8	4 600
54.0	45.4	53.9	3 900
56.0	43.1	51.8	3 300
58.0	40.7	49.5	2 600
60.0	38.2	47.0	2 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
76.2m (250 Ft.) BOOM			
12.2	83.0	78.0	65 400
13.0	82.4	77.8	61 000
14.0	81.6	77.7	56 200
15.0	80.8	77.5	52 000
16.0	80.1	77.3	48 200
18.0	78.5	76.9	41 900
20.0	77.0	76.5	36 600
22.0	75.4	76.0	32 300
24.0	73.9	75.4	28 600
26.0	72.3	74.8	25 400
28.0	70.7	74.1	22 700
30.0	69.1	73.3	20 300
32.0	67.5	72.5	18 200
34.0	65.8	71.6	16 400
36.0	64.2	70.6	14 600
38.0	62.5	69.6	13 000
40.0	60.7	68.5	11 500
42.0	59.0	67.3	10 200
44.0	57.2	66.0	9 000
46.0	55.4	64.6	7 900
48.0	53.5	63.2	6 900
50.0	51.6	61.6	6 000
52.0	49.6	59.9	5 200
54.0	47.6	58.1	4 500
56.0	45.5	56.2	3 800
58.0	43.4	54.1	3 100
60.0	41.1	51.8	2 600
62.0	38.7	49.4	2 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
79.2m (260 Ft.) BOOM			
12.8	82.8	81.0	60 500
13.0	82.7	80.9	59 600
14.0	81.9	80.8	54 900
15.0	81.2	80.6	50 800
16.0	80.5	80.4	47 100
18.0	79.0	80.1	40 800
20.0	77.5	79.6	35 700
22.0	76.0	79.1	31 400
24.0	74.5	78.6	27 800
26.0	73.0	78.0	24 700
28.0	71.5	77.3	22 000
30.0	69.9	76.6	19 600
32.0	68.4	75.8	17 500
34.0	66.8	74.9	15 700
36.0	65.2	74.0	14 000
38.0	63.6	73.0	12 500
40.0	62.0	72.0	11 000
42.0	60.3	70.8	9 700
44.0	58.6	69.6	8 500
46.0	56.9	68.3	7 400
48.0	55.1	67.0	6 500
50.0	53.3	65.5	5 600
52.0	51.5	63.9	4 800
54.0	49.6	62.2	4 000
56.0	47.7	60.4	3 300
58.0	45.7	58.5	2 700
60.0	43.6	56.4	2 100

Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
76 750 kg Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
14 m/s thru 61.0m Boom
10 m/s from 64.0 m thru 91.4m Boom
10 m/s with Jib

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
82.3m (270 Ft.) BOOM			
13.4	82.6	83.9	56 200
14.0	82.2	83.9	53 600
15.0	81.5	83.7	49 600
16.0	80.8	83.5	46 000
18.0	79.4	83.2	39 800
20.0	78.0	82.7	34 800
22.0	76.5	82.3	30 600
24.0	75.1	81.7	27 000
26.0	73.7	81.2	23 900
28.0	72.2	80.5	21 300
30.0	70.7	79.8	18 900
32.0	69.2	79.1	16 900
34.0	67.7	78.3	15 000
36.0	66.2	77.4	13 400
38.0	64.7	76.4	11 900
40.0	63.1	75.4	10 600
42.0	61.5	74.4	9 300
44.0	59.9	73.2	8 100
46.0	58.3	72.0	7 100
48.0	56.6	70.7	6 100
50.0	54.9	69.3	5 200
52.0	53.2	67.8	4 400
54.0	51.4	66.2	3 600
56.0	49.6	64.5	2 900
58.0	47.7	62.7	2 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
85.3m (280 Ft.) BOOM			
13.4	82.9	87.0	55 600
14.0	82.5	86.9	53 000
15.0	81.8	86.8	49 100
16.0	81.1	86.6	45 500
18.0	79.8	86.3	39 500
20.0	78.4	85.9	34 500
22.0	77.0	85.4	30 400
24.0	75.6	84.9	26 900
26.0	74.3	84.3	23 800
28.0	72.8	83.7	21 200
30.0	71.4	83.1	18 900
32.0	70.0	82.3	16 800
34.0	68.6	81.6	15 000
36.0	67.1	80.7	13 400
38.0	65.6	79.8	11 900
40.0	64.1	78.9	10 600
42.0	62.6	77.8	9 400
44.0	61.1	76.7	8 300
46.0	59.5	75.6	7 200
48.0	58.0	74.3	6 200
50.0	56.4	73.0	5 300
52.0	54.7	71.6	4 500
54.0	53.0	70.1	3 700
56.0	51.3	68.5	3 000
58.0	49.6	66.8	2 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
88.4m (290 Ft.) BOOM			
14.0	82.7	90.0	51 800
15.0	82.1	89.9	48 100
16.0	81.5	89.7	44 600
18.0	80.1	89.4	38 700
20.0	78.8	89.0	33 900
22.0	77.5	88.5	29 800
24.0	76.2	88.0	26 300
26.0	74.8	87.5	23 300
28.0	73.5	86.9	20 700
30.0	72.1	86.3	18 400
32.0	70.7	85.6	16 400
34.0	69.3	84.8	14 600
36.0	67.9	84.0	13 000
38.0	66.5	83.2	11 500
40.0	65.1	82.2	10 200
42.0	63.7	81.3	9 000
44.0	62.2	80.2	7 900
46.0	60.7	79.1	6 900
48.0	59.2	77.9	6 000
50.0	57.7	76.7	5 100
52.0	56.1	75.3	4 300
54.0	54.5	73.9	3 500
56.0	52.9	72.4	2 800
58.0	51.3	70.8	2 200

Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
76 750 kg Counterweight
360 Degree Rating

Maximum Operating Wind Speeds
14 m/s thru 61.0m Boom
10 m/s from 64.0 m thru 91.4m Boom
10 m/s with Jib

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91.4m (300 Ft.) BOOM			
14.0	83.0	93.1	50 600
15.0	82.4	93.0	46 900
16.0	81.7	92.8	43 600
18.0	80.5	92.5	37 800
20.0	79.2	92.1	33 000
22.0	77.9	91.7	29 000
24.0	76.6	91.2	25 500
26.0	75.3	90.7	22 600
28.0	74.0	90.1	20 000
30.0	72.7	89.5	17 800
32.0	71.4	88.8	15 700
34.0	70.1	88.1	14 000
36.0	68.7	87.3	12 400
38.0	67.4	86.5	10 900
40.0	66.0	85.6	9 600
42.0	64.6	84.7	8 400
44.0	63.2	83.7	7 400
46.0	61.8	82.6	6 300
48.0	60.3	81.5	5 500
50.0	58.9	80.3	4 600
52.0	57.4	79.0	3 800
54.0	55.9	77.6	3 100
56.0	54.3	76.2	2 400

REFERENCE ONLY!