

Liftcrane Boom Capacities

2250 SERIES 1

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

Meets
ANSI B30.5
Requirements

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 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, 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 with gantry up. Refer to boom rigging **No. 179809**, Wire Rope Specification chart **No. 8025-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.

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

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. 8027-A**.

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 counterweight.

Consult chart **No. 8005-AM** for jib capacities. Consult chart **No. 8528-AM** for extended upper boom point capacities.

Extended Upper Boom Point Deduct

Deduct 2 720 kg from boom capacities when 7.6m extended upper boom point is attached.

Third Line Deduct

Deduct 270 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.

Upper boom point cannot be used when jib or extended upper boom point is attached.
Jib cannot be attached when boom is equipped for three line operation.

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WITHOUT BOOM CATWALKS								
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	7.6m Extended Upper Boom Pt.	Boom Length	Jib No. 132	7.6m Extended Upper Boom Pt.	Boom Length	Jib No. 132	7.6m Extended Upper Boom Pt.
(a) 91.4m	—	—	(a) 88.4m	—	—	79.2m	—	—
88.4m	—	—	85.3m	—	—	76.2m	—	—
85.3m	—	—	82.3m	—	—	73.2m	—	—
82.3m	—	—	79.2m	—	—	70.1m	12.2m	7.6m
79.2m	12.2m	—	76.2m	18.3m	—	67.1m	24.4m	—
(b) 79.2m	18.3m	—	73.2m	18.3m	—	64.0m	30.5m	—
76.2m	24.4m	—	70.1m	30.5m	7.6m	61.0m	36.6m	—
(b) 73.2m	30.5m	—	67.1m	36.6m	—			
70.1m	36.6m	7.6m						
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 on 91.4m boom or over rear of blocked crawlers on 88.4m boom. (b) Machine must be equipped with optional upperworks jacking cylinders.								

WITH BOOM CATWALKS								
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	7.6m Extended Upper Boom Pt.	Boom Length	Jib No. 132	7.6m Extended Upper Boom Pt.	Boom Length	Jib No. 132	7.6m Extended Upper Boom Pt.
(a)(b) 91.4m	—	—	(a)(b) 88.4m	—	—	79.2m	—	—
(b) 88.4m	—	—	(b) 85.3m	—	—	76.2m	—	—
85.3m	—	—	82.3m	—	—	73.2m	—	—
82.3m	—	—	79.2m	—	—	70.1m	12.2m	7.6m
79.2m	(b) 12.2m	—	76.2m	12.2m	—	67.1m	(b) 24.4m	—
76.2m	18.3m	—	73.2m	(b) 18.3m	—	64.0m	30.5m	—
73.2m	24.4m	—	70.1m	24.4m	7.6m	61.0m	36.6m	—
70.1m	30.5m	7.6m	67.1m	36.6m	—			
67.1m	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 on 91.4m boom or over rear of blocked crawlers on 88.4m boom. 91.4m boom <i>must</i> be rigged with one hoist lead line. (b) Machine must be equipped with optional upperworks jacking cylinders.								

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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	235 900 *
7.0	78.8	23.2	219 700 *
7.5	77.4	23.1	204 600
8.0	76.0	22.9	182 900
8.5	74.6	22.8	164 100
9.0	73.2	22.6	148 700
10.0	70.3	22.2	124 900
11.0	67.4	21.8	107 500
12.0	64.4	21.3	94 100
13.0	61.3	20.7	83 600
14.0	58.1	20.1	75 000
15.0	54.8	19.4	67 900
16.0	51.4	18.5	61 900
18.0	43.8	16.6	52 500
20.0	34.8	13.9	45 300
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	238 700 *
6.5	81.4	26.4	235 300 *
7.0	80.2	26.3	219 300 *
7.5	79.0	26.2	204 400
8.0	77.8	26.1	182 900
8.5	76.6	26.0	164 100
9.0	75.4	25.8	148 700
10.0	72.9	25.5	124 800
11.0	70.4	25.1	107 400
12.0	67.8	24.7	94 000
13.0	65.2	24.2	83 400
14.0	62.6	23.7	74 900
15.0	59.8	23.1	67 800
16.0	57.0	22.4	61 800
18.0	51.1	20.8	52 300
20.0	44.5	18.9	45 200
22.0	37.0	16.4	39 500
24.0	27.6	13.0	35 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	226 100 *
6.5	82.4	29.5	225 700 *
7.0	81.3	29.4	219 000 *
7.5	80.3	29.3	204 300
8.0	79.2	29.2	182 900
8.5	78.1	29.1	164 100
9.0	77.0	29.0	148 600
10.0	74.9	28.7	124 800
11.0	72.7	28.4	107 400
12.0	70.4	28.0	94 000
13.0	68.2	27.6	83 400
14.0	65.9	27.1	74 800
15.0	63.5	26.6	67 700
16.0	61.1	26.0	61 700
18.0	56.1	24.7	52 200
20.0	50.8	23.1	45 100
22.0	45.0	21.2	39 400
24.0	38.5	18.8	34 900
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	217 400 *
7.0	82.2	32.5	216 000 *
7.5	81.2	32.4	204 300
8.0	80.3	32.3	182 800
8.5	79.3	32.2	164 000
9.0	78.4	32.1	148 500
10.0	76.4	31.9	124 600
11.0	74.5	31.6	107 200
12.0	72.5	31.2	93 800
13.0	70.5	30.9	83 200
14.0	68.5	30.5	74 600
15.0	66.4	30.0	67 500
16.0	64.3	29.5	61 500
18.0	60.0	28.4	52 000
20.0	55.4	27.0	44 900
22.0	50.6	25.4	39 200
24.0	45.4	23.5	34 700
26.0	39.7	21.2	31 000
28.0	33.1	18.3	27 800

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	167 900 *
8.0	81.2	35.4	166 200 *
8.5	80.3	35.3	163 100
9.0	79.4	35.2	148 500
10.0	77.7	35.0	124 600
11.0	75.9	34.7	107 100
12.0	74.1	34.4	93 700
13.0	72.3	34.1	83 000
14.0	70.5	33.8	74 500
15.0	68.7	33.3	67 400
16.0	66.8	32.9	61 300
18.0	63.0	31.9	51 900
20.0	59.0	30.7	44 700
22.0	54.9	29.3	39 100
24.0	50.5	27.7	34 500
26.0	45.8	25.8	30 800
28.0	40.6	23.6	27 600
30.0	34.9	20.9	25 000
32.0	28.0	17.4	22 700
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	164 900 *
7.5	82.7	38.6	164 300 *
8.0	81.9	38.5	162 600 *
8.5	81.1	38.4	161 000 *
9.0	80.3	38.3	148 500
10.0	78.7	38.1	124 400
11.0	77.1	37.9	106 900
12.0	75.5	37.6	93 400
13.0	73.9	37.3	82 800
14.0	72.2	37.0	74 200
15.0	70.5	36.6	67 100
16.0	68.9	36.2	61 100
18.0	65.4	35.3	51 600
20.0	61.9	34.3	44 400
22.0	58.2	33.1	38 800
24.0	54.4	31.7	34 200
26.0	50.4	30.0	30 500
28.0	46.1	28.2	27 400
30.0	41.4	26.0	24 700
32.0	36.3	23.4	22 400
34.0	30.3	20.1	20 400

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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	159 000 *
8.0	82.6	41.6	158 800 *
8.5	81.8	41.5	157 300 *
9.0	81.1	41.4	149 000
10.0	79.6	41.3	124 400
11.0	78.1	41.0	106 900
12.0	76.6	40.8	93 400
13.0	75.1	40.5	82 800
14.0	73.6	40.2	74 200
15.0	72.1	39.9	67 100
16.0	70.6	39.5	61 100
18.0	67.4	38.7	51 600
20.0	64.2	37.7	44 400
22.0	60.9	36.6	38 800
24.0	57.5	35.4	34 200
26.0	54.0	34.0	30 500
28.0	50.3	32.3	27 300
30.0	46.3	30.5	24 700
32.0	42.0	28.3	22 400
34.0	37.4	25.8	20 400
36.0	32.2	22.8	18 600
38.0	25.9	19.0	17 100
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	155 000 *
8.5	82.4	44.6	154 300 *
9.0	81.7	44.5	149 200
10.0	80.4	44.4	124 200
11.0	79.0	44.2	106 700
12.0	77.6	43.9	93 200
13.0	76.2	43.7	82 600
14.0	74.8	43.4	74 000
15.0	73.4	43.1	66 800
16.0	72.0	42.8	60 800
18.0	69.1	42.0	51 300
20.0	66.2	41.1	44 100
22.0	63.2	40.1	38 500
24.0	60.1	39.0	33 900
26.0	56.9	37.7	30 200
28.0	53.6	36.3	27 000
30.0	50.2	34.6	24 400
32.0	46.5	32.8	22 100
34.0	42.6	30.7	20 100
36.0	38.3	28.2	18 300
38.0	33.6	25.3	16 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	137 100 *
9.0	82.3	47.6	135 800 *
10.0	81.0	47.5	125 100
11.0	79.7	47.3	106 500
12.0	78.5	47.1	93 000
13.0	77.2	46.8	82 400
14.0	75.9	46.6	73 700
15.0	74.6	46.3	66 600
16.0	73.3	46.0	60 600
18.0	70.6	45.3	51 100
20.0	67.9	44.5	43 900
22.0	65.2	43.6	38 200
24.0	62.3	42.5	33 700
26.0	59.4	41.4	30 000
28.0	56.4	40.0	26 800
30.0	53.3	38.6	24 100
32.0	50.1	36.9	21 800
34.0	46.7	35.1	19 800
36.0	43.0	33.0	18 100
38.0	39.1	30.6	16 500
40.0	34.9	27.8	15 200
42.0	30.1	24.6	13 900
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	132 400 *
9.0	82.8	50.7	132 000 *
10.0	81.6	50.6	125 300
11.0	80.4	50.4	106 300
12.0	79.2	50.2	92 800
13.0	78.0	50.0	82 100
14.0	76.8	49.7	73 500
15.0	75.6	49.4	66 300
16.0	74.3	49.2	60 300
18.0	71.9	48.5	50 800
20.0	69.4	47.8	43 600
22.0	66.8	46.9	37 900
24.0	64.2	46.0	33 400
26.0	61.5	44.9	29 600
28.0	58.8	43.7	26 500
30.0	56.0	42.4	23 800
32.0	53.1	40.9	21 500
34.0	50.0	39.2	19 500
36.0	46.8	37.4	17 800
38.0	43.4	35.3	16 200
40.0	39.8	33.0	14 800
42.0	35.9	30.3	13 600
44.0	31.6	27.2	12 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	128 800 *
10.0	82.1	53.6	124 300
11.0	81.0	53.5	106 200
12.0	79.8	53.3	92 700
13.0	78.7	53.1	82 100
14.0	77.6	52.9	73 500
15.0	76.4	52.6	66 300
16.0	75.3	52.3	60 300
18.0	73.0	51.7	50 800
20.0	70.6	51.0	43 600
22.0	68.3	50.2	37 900
24.0	65.8	49.4	33 300
26.0	63.4	48.4	29 600
28.0	60.8	47.3	26 400
30.0	58.3	46.0	23 800
32.0	55.6	44.7	21 500
34.0	52.8	43.2	19 500
36.0	50.0	41.5	17 700
38.0	47.0	39.7	16 200
40.0	43.8	37.7	14 800
42.0	40.4	35.4	13 500
44.0	36.8	32.8	12 400
46.0	32.8	29.8	11 400
48.0	28.4	26.3	10 500
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	124 500 *
10.0	82.5	56.7	121 300
11.0	81.5	56.6	106 000
12.0	80.4	56.4	92 500
13.0	79.3	56.2	81 800
14.0	78.3	56.0	73 200
15.0	77.2	55.7	66 000
16.0	76.1	55.5	60 000
18.0	74.0	54.9	50 500
20.0	71.8	54.3	43 300
22.0	69.5	53.5	37 600
24.0	67.3	52.7	33 000
26.0	65.0	51.8	29 300
28.0	62.6	50.7	26 100
30.0	60.2	49.6	23 500
32.0	57.8	48.4	21 200
34.0	55.2	47.0	19 200
36.0	52.6	45.5	17 400
38.0	49.9	43.8	15 900
40.0	47.1	42.0	14 500
42.0	44.1	40.0	13 200
44.0	41.0	37.7	12 100
46.0	37.6	35.2	11 100
48.0	33.9	32.3	10 200
50.0	29.9	29.0	9 300

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57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	109 400 *
11.0	81.9	59.7	106 000
12.0	80.9	59.5	92 300
13.0	79.9	59.3	81 600
14.0	78.9	59.1	73 000
15.0	77.9	58.9	65 800
16.0	76.9	58.6	59 800
18.0	74.8	58.1	50 300
20.0	72.8	57.5	43 000
22.0	70.7	56.8	37 300
24.0	68.5	56.0	32 800
26.0	66.4	55.1	29 000
28.0	64.2	54.2	25 900
30.0	61.9	53.1	23 200
32.0	59.7	52.0	20 900
34.0	57.3	50.7	18 900
36.0	54.9	49.3	17 200
38.0	52.4	47.8	15 600
40.0	49.9	46.1	14 200
42.0	47.2	44.3	13 000
44.0	44.4	42.3	11 900
46.0	41.4	40.1	10 800
48.0	38.3	37.6	9 900
50.0	34.9	34.8	9 100
52.0	31.2	31.6	8 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
10.4	82.9	62.8	105 800 *
11.0	82.3	62.7	104 600
12.0	81.4	62.6	92 200
13.0	80.4	62.4	81 400
14.0	79.5	62.2	72 700
15.0	78.5	62.0	65 600
16.0	77.5	61.8	59 500
18.0	75.6	61.3	50 000
20.0	73.6	60.7	42 700
22.0	71.7	60.0	37 100
24.0	69.7	59.3	32 500
26.0	67.6	58.5	28 700
28.0	65.6	57.6	25 600
30.0	63.5	56.6	22 900
32.0	61.3	55.5	20 600
34.0	59.2	54.3	18 600
36.0	56.9	53.0	16 800
38.0	54.6	51.6	15 300
40.0	52.3	50.1	13 900
42.0	49.8	48.4	12 700
44.0	47.3	46.6	11 500
46.0	44.6	44.6	10 500
48.0	41.8	42.4	9 600
50.0	38.9	40.0	8 800
52.0	35.7	37.3	8 000
54.0	32.3	34.2	7 300
56.0	28.5	30.7	6 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
64.0m (210 Ft.) BOOM			
11.0	82.7	65.8	102 100 *
12.0	81.8	65.7	92 300
13.0	80.9	65.5	81 300
14.0	80.0	65.3	72 600
15.0	79.1	65.1	65 400
16.0	78.1	64.9	59 400
18.0	76.3	64.4	49 800
20.0	74.4	63.9	42 600
22.0	72.6	63.2	36 900
24.0	70.7	62.5	32 400
26.0	68.8	61.8	28 600
28.0	66.8	60.9	25 500
30.0	64.8	60.0	22 800
32.0	62.8	59.0	20 500
34.0	60.8	57.9	18 500
36.0	58.7	56.7	16 700
38.0	56.6	55.4	15 200
40.0	54.4	53.9	13 800
42.0	52.1	52.4	12 500
44.0	49.8	50.7	11 400
46.0	47.4	48.9	10 400
48.0	44.8	46.9	9 500
50.0	42.2	44.8	8 600
52.0	39.4	42.4	7 900
54.0	36.4	39.7	7 200
56.0	33.2	36.8	6 500
58.0	29.7	33.4	5 900

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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
67.1m (220 Ft.) BOOM			
11.6	82.5	68.8	97 000
12.0	82.2	68.7	91 900
13.0	81.3	68.6	81 100
14.0	80.4	68.4	72 400
15.0	79.6	68.2	65 200
16.0	78.7	68.0	59 200
18.0	76.9	67.6	49 600
20.0	75.2	67.0	42 300
22.0	73.4	66.4	36 700
24.0	71.6	65.8	32 100
26.0	69.8	65.1	28 300
28.0	67.9	64.2	25 100
30.0	66.1	63.4	22 500
32.0	64.2	62.4	20 200
34.0	62.2	61.4	18 200
36.0	60.3	60.2	16 400
38.0	58.3	59.0	14 900
40.0	56.2	57.7	13 500
42.0	54.1	56.3	12 200
44.0	52.0	54.7	11 100
46.0	49.7	53.0	10 100
48.0	47.4	51.2	9 200
50.0	45.0	49.3	8 300
52.0	42.5	47.1	7 500
54.0	39.9	44.8	6 800
56.0	37.1	42.2	6 200
58.0	34.1	39.3	5 600
60.0	30.9	36.1	5 000
62.0	27.3	32.4	4 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
70.1m (230 Ft.) BOOM			
11.6	82.9	71.9	87 600 *
12.0	82.5	71.8	87 100 *
13.0	81.7	71.7	81 100
14.0	80.9	71.5	72 100
15.0	80.0	71.3	65 000
16.0	79.2	71.1	58 900
18.0	77.5	70.7	49 300
20.0	75.8	70.2	42 100
22.0	74.1	69.6	36 400
24.0	72.4	69.0	31 800
26.0	70.7	68.3	28 000
28.0	68.9	67.5	24 900
30.0	67.2	66.7	22 200
32.0	65.4	65.8	19 900
34.0	63.6	64.8	17 900
36.0	61.7	63.7	16 200
38.0	59.8	62.6	14 600
40.0	57.9	61.3	13 200
42.0	55.9	60.0	12 000
44.0	53.9	58.6	10 800
46.0	51.8	57.0	9 800
48.0	49.7	55.3	8 900
50.0	47.5	53.5	8 100
52.0	45.2	51.6	7 300
54.0	42.8	49.4	6 600
56.0	40.3	47.1	5 900
58.0	37.7	44.6	5 300
60.0	34.9	41.8	4 700
62.0	31.8	38.7	4 200
64.0	28.5	35.1	3 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
73.2m (240 Ft.) BOOM			
12.2	82.7	74.9	84 200 *
13.0	82.0	74.8	81 100
14.0	81.2	74.6	71 900
15.0	80.4	74.4	64 700
16.0	79.6	74.2	58 700
18.0	78.0	73.8	49 100
20.0	76.4	73.3	41 800
22.0	74.8	72.8	36 100
24.0	73.2	72.2	31 500
26.0	71.5	71.5	27 800
28.0	69.9	70.8	24 600
30.0	68.2	70.0	21 900
32.0	66.5	69.2	19 600
34.0	64.7	68.2	17 600
36.0	63.0	67.2	15 800
38.0	61.2	66.1	14 300
40.0	59.4	64.9	12 900
42.0	57.5	63.7	11 600
44.0	55.6	62.3	10 500
46.0	53.7	60.9	9 500
48.0	51.7	59.3	8 600
50.0	49.7	57.6	7 700
52.0	47.6	55.8	7 000
54.0	45.4	53.9	6 300
56.0	43.1	51.8	5 600
58.0	40.7	49.5	5 000
60.0	38.2	47.0	4 400
62.0	35.6	44.3	3 900
64.0	32.7	41.2	3 400
66.0	29.6	37.8	2 900
68.0	26.2	34.0	2 500

Liftcrane Boom Capacities

2250 SERIES 1

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

Meets
ANSI B30.5
Requirements

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
76.2m (250 Ft.) BOOM			
12.2	83.0	78.0	81 200 *
13.0	82.4	77.8	79 800
14.0	81.6	77.7	72 300
15.0	80.8	77.5	65 100
16.0	80.1	77.3	59 000
18.0	78.5	76.9	49 400
20.0	77.0	76.5	42 200
22.0	75.4	76.0	36 500
24.0	73.9	75.4	31 900
26.0	72.3	74.8	28 100
28.0	70.7	74.1	25 000
30.0	69.1	73.3	22 300
32.0	67.5	72.5	20 000
34.0	65.8	71.6	18 000
36.0	64.2	70.6	16 200
38.0	62.5	69.6	14 700
40.0	60.7	68.5	13 300
42.0	59.0	67.3	12 000
44.0	57.2	66.0	10 900
46.0	55.4	64.6	9 900
48.0	53.5	63.2	9 000
50.0	51.6	61.6	8 100
52.0	49.6	59.9	7 400
54.0	47.6	58.1	6 700
56.0	45.5	56.2	6 000
58.0	43.4	54.1	5 400
60.0	41.1	51.8	4 800
62.0	38.7	49.4	4 300
64.0	36.2	46.7	3 800
66.0	33.5	43.8	3 300
68.0	30.6	40.5	2 900
70.0	27.5	36.8	2 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
79.2m (260 Ft.) BOOM			
12.8	82.8	81.0	76 800 *
13.0	82.7	80.9	76 300 *
14.0	81.9	80.8	72 000
15.0	81.2	80.6	64 800
16.0	80.5	80.4	58 700
18.0	79.0	80.1	49 200
20.0	77.5	79.6	41 900
22.0	76.0	79.1	36 200
24.0	74.5	78.6	31 600
26.0	73.0	78.0	27 800
28.0	71.5	77.3	24 700
30.0	69.9	76.6	22 000
32.0	68.4	75.8	19 700
34.0	66.8	74.9	17 700
36.0	65.2	74.0	15 900
38.0	63.6	73.0	14 400
40.0	62.0	72.0	13 000
42.0	60.3	70.8	11 700
44.0	58.6	69.6	10 600
46.0	56.9	68.3	9 600
48.0	55.1	67.0	8 700
50.0	53.3	65.5	7 800
52.0	51.5	63.9	7 000
54.0	49.6	62.2	6 300
56.0	47.7	60.4	5 700
58.0	45.7	58.5	5 000
60.0	43.6	56.4	4 500
62.0	41.4	54.2	4 000
64.0	39.1	51.8	3 400
66.0	36.8	49.2	3 000
68.0	34.2	46.3	2 600
70.0	31.5	43.1	2 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
82.3m (270 Ft.) BOOM			
13.4	82.6	83.9	69 800 *
14.0	82.2	83.9	68 800 *
15.0	81.5	83.7	64 900
16.0	80.8	83.5	58 500
18.0	79.4	83.2	48 900
20.0	78.0	82.7	41 700
22.0	76.5	82.3	35 900
24.0	75.1	81.7	31 400
26.0	73.7	81.2	27 600
28.0	72.2	80.5	24 400
30.0	70.7	79.8	21 700
32.0	69.2	79.1	19 400
34.0	67.7	78.3	17 400
36.0	66.2	77.4	15 700
38.0	64.7	76.4	14 100
40.0	63.1	75.4	12 700
42.0	61.5	74.4	11 500
44.0	59.9	73.2	10 300
46.0	58.3	72.0	9 300
48.0	56.6	70.7	8 400
50.0	54.9	69.3	7 600
52.0	53.2	67.8	6 800
54.0	51.4	66.2	6 100
56.0	49.6	64.5	5 400
58.0	47.7	62.7	4 800
60.0	45.8	60.8	4 200
62.0	43.8	58.8	3 700
64.0	41.7	56.5	3 200
66.0	39.6	54.2	2 700
68.0	37.3	51.6	2 300
70.0	34.9	48.8	1 900

Liftcrane Boom Capacities

2250 SERIES 1

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

**Meets
ANSI B30.5
Requirements**

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
85.3m (280 Ft.) BOOM			
13.4	82.9	87.0	64 700 *
14.0	82.5	86.9	64 400 *
15.0	81.8	86.8	63 400 *
16.0	81.1	86.6	59 600
18.0	79.8	86.3	48 900
20.0	78.4	85.9	41 600
22.0	77.0	85.4	35 900
24.0	75.6	84.9	31 300
26.0	74.3	84.3	27 500
28.0	72.8	83.7	24 300
30.0	71.4	83.1	21 600
32.0	70.0	82.3	19 300
34.0	68.6	81.6	17 300
36.0	67.1	80.7	15 600
38.0	65.6	79.8	14 000
40.0	64.1	78.9	12 600
42.0	62.6	77.8	11 400
44.0	61.1	76.7	10 200
46.0	59.5	75.6	9 200
48.0	58.0	74.3	8 300
50.0	56.4	73.0	7 500
52.0	54.7	71.6	6 700
54.0	53.0	70.1	5 900
56.0	51.3	68.5	5 300
58.0	49.6	66.8	4 700
60.0	47.8	65.0	4 100
62.0	45.9	63.1	3 600
64.0	44.0	61.1	3 100
66.0	42.0	58.9	2 600
68.0	39.9	56.5	2 200
70.0	37.8	54.0	1 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
88.4m (290 Ft.) BOOM			
14.0	82.7	90.0	59 800 *
15.0	82.1	89.9	59 400 *
16.0	81.5	89.7	57 600
18.0	80.1	89.4	49 000
20.0	78.8	89.0	41 400
22.0	77.5	88.5	35 700
24.0	76.2	88.0	31 100
26.0	74.8	87.5	27 300
28.0	73.5	86.9	24 100
30.0	72.1	86.3	21 500
32.0	70.7	85.6	19 100
34.0	69.3	84.8	17 100
36.0	67.9	84.0	15 400
38.0	66.5	83.2	13 800
40.0	65.1	82.2	12 400
42.0	63.7	81.3	11 200
44.0	62.2	80.2	10 000
46.0	60.7	79.1	9 000
48.0	59.2	77.9	8 100
50.0	57.7	76.7	7 300
52.0	56.1	75.3	6 500
54.0	54.5	73.9	5 800
56.0	52.9	72.4	5 100
58.0	51.3	70.8	4 500
60.0	49.6	69.1	3 900
62.0	47.8	67.3	3 400
64.0	46.0	65.4	2 900
66.0	44.2	63.4	2 400
68.0	42.3	61.2	2 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
91.4m (300 Ft.) BOOM			
14.0	83.0	93.1	55 900 *
15.0	82.4	93.0	55 600 *
16.0	81.7	92.8	55 000
18.0	80.5	92.5	49 000
20.0	79.2	92.1	41 200
22.0	77.9	91.7	35 400
24.0	76.6	91.2	30 800
26.0	75.3	90.7	27 000
28.0	74.0	90.1	23 900
30.0	72.7	89.5	21 200
32.0	71.4	88.8	18 800
34.0	70.1	88.1	16 800
36.0	68.7	87.3	15 100
38.0	67.4	86.5	13 500
40.0	66.0	85.6	12 100
42.0	64.6	84.7	10 900
44.0	63.2	83.7	9 700
46.0	61.8	82.6	8 700
48.0	60.3	81.5	7 800
50.0	58.9	80.3	6 900
52.0	57.4	79.0	6 100
54.0	55.9	77.6	5 400
56.0	54.3	76.2	4 800
58.0	52.8	74.7	4 100
60.0	51.2	73.1	3 600
62.0	49.5	71.4	3 100
64.0	47.9	69.6	2 600
66.0	46.1	67.7	2 100