

Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
76 750 kg Counterweight
Rating Over Front of Blocked Crawlers
No Travel - Limited Swing

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 over front of machine with crawlers blocked. 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 and front tumbler properly blocked so that centerline of idler tumbler becomes tipping fulcrum. Travel drive must be to rear of machine. Swing is limited to that sector shown on Operating Range Diagram **No. 8029-A**. 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, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

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.

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

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.

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.

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WITHOUT BOOM CATWALKS		
Maximum Boom and Jib Lengths Lifted Unassisted Over Front of Blocked Crawlers		
Boom Length	Jib No. 132	25 Ft. Extended Upper Boom Pt.
(a) 91.4m	—	—
88.4m	—	—
85.3m	—	—
82.3m	—	—
79.2m	12.2m	—
(b) 79.2m	18.3m	—
76.2m	24.4m	—
(b) 73.2m	30.5m	—
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. (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		
Boom Length	Jib No. 132	25 Ft. Extended Upper Boom Pt.
(a)(b) 91.4m	—	—
(b) 88.4m	—	—
85.3m	—	—
82.3m	—	—
79.2m	(b) 12.2m	—
76.2m	18.3m	—
73.2m	24.4m	—
70.1m	30.5m	7.6m
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. 91.4m boom must be rigged with one hoist lead line. (b) Machine must be equipped with optional upperworks jacking cylinders.		

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	205 800 *
8.0	76.0	22.9	193 500 *
8.5	74.6	22.8	182 500 *
9.0	73.2	22.6	172 700 *
10.0	70.3	22.2	155 800 *
11.0	67.4	21.8	136 700
12.0	64.4	21.3	118 400
13.0	61.3	20.7	104 200
14.0	58.1	20.1	92 900
15.0	54.8	19.4	83 700
16.0	51.4	18.5	76 000
18.0	43.8	16.6	64 100
20.0	34.8	13.9	55 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	205 400 *
8.0	77.8	26.1	193 100 *
8.5	76.6	26.0	182 100 *
9.0	75.4	25.8	172 300 *
10.0	72.9	25.5	155 400 *
11.0	70.4	25.1	136 700
12.0	67.8	24.7	118 300
13.0	65.2	24.2	104 100
14.0	62.6	23.7	92 800
15.0	59.8	23.1	83 600
16.0	57.0	22.4	75 900
18.0	51.1	20.8	63 900
20.0	44.5	18.9	55 000
22.0	37.0	16.4	48 000
24.0	27.6	13.0	42 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	226 100 *
6.5	82.4	29.5	225 700 *
7.0	81.3	29.4	219 000 *
7.5	80.3	29.3	205 100 *
8.0	79.2	29.2	192 800 *
8.5	78.1	29.1	181 900 *
9.0	77.0	29.0	172 100 *
10.0	74.9	28.7	155 200 *
11.0	72.7	28.4	136 700
12.0	70.4	28.0	118 300
13.0	68.2	27.6	104 100
14.0	65.9	27.1	92 800
15.0	63.5	26.6	83 600
16.0	61.1	26.0	75 900
18.0	56.1	24.7	63 900
20.0	50.8	23.1	54 900
22.0	45.0	21.2	48 000
24.0	38.5	18.8	42 400

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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	204 900 *
8.0	80.3	32.3	192 400 *
8.5	79.3	32.2	181 500 *
9.0	78.4	32.1	171 600 *
10.0	76.4	31.9	154 800 *
11.0	74.5	31.6	136 600
12.0	72.5	31.2	118 200
13.0	70.5	30.9	104 000
14.0	68.5	30.5	92 600
15.0	66.4	30.0	83 400
16.0	64.3	29.5	75 700
18.0	60.0	28.4	63 700
20.0	55.4	27.0	54 700
22.0	50.6	25.4	47 700
24.0	45.4	23.5	42 200
26.0	39.7	21.2	37 600
28.0	33.1	18.3	33 900
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	164 500 *
9.0	79.4	35.2	162 900 *
10.0	77.7	35.0	155 300 *
11.0	75.9	34.7	136 600
12.0	74.1	34.4	118 100
13.0	72.3	34.1	103 900
14.0	70.5	33.8	92 500
15.0	68.7	33.3	83 300
16.0	66.8	32.9	75 600
18.0	63.0	31.9	63 600
20.0	59.0	30.7	54 600
22.0	54.9	29.3	47 600
24.0	50.5	27.7	42 000
26.0	45.8	25.8	37 500
28.0	40.6	23.6	33 700
30.0	34.9	20.9	30 500
32.0	28.0	17.4	27 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	159 500 *
10.0	78.7	38.1	154 800 *
11.0	77.1	37.9	136 500
12.0	75.5	37.6	117 900
13.0	73.9	37.3	103 700
14.0	72.2	37.0	92 300
15.0	70.5	36.6	83 100
16.0	68.9	36.2	75 300
18.0	65.4	35.3	63 300
20.0	61.9	34.3	54 300
22.0	58.2	33.1	47 300
24.0	54.4	31.7	41 800
26.0	50.4	30.0	37 200
28.0	46.1	28.2	33 400
30.0	41.4	26.0	30 200
32.0	36.3	23.4	27 500
34.0	30.3	20.1	25 100
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	155 900 *
10.0	79.6	41.3	152 200 *
11.0	78.1	41.0	136 500
12.0	76.6	40.8	117 900
13.0	75.1	40.5	103 700
14.0	73.6	40.2	92 300
15.0	72.1	39.9	83 100
16.0	70.6	39.5	75 300
18.0	67.4	38.7	63 300
20.0	64.2	37.7	54 300
22.0	60.9	36.6	47 300
24.0	57.5	35.4	41 700
26.0	54.0	34.0	37 200
28.0	50.3	32.3	33 400
30.0	46.3	30.5	30 200
32.0	42.0	28.3	27 400
34.0	37.4	25.8	25 000
36.0	32.2	22.8	23 000
38.0	25.9	19.0	21 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	152 900 *
10.0	80.4	44.4	150 100 *
11.0	79.0	44.2	136 300
12.0	77.6	43.9	117 800
13.0	76.2	43.7	103 500
14.0	74.8	43.4	92 100
15.0	73.4	43.1	82 800
16.0	72.0	42.8	75 100
18.0	69.1	42.0	63 100
20.0	66.2	41.1	54 100
22.0	63.2	40.1	47 100
24.0	60.1	39.0	41 500
26.0	56.9	37.7	36 900
28.0	53.6	36.3	33 100
30.0	50.2	34.6	29 900
32.0	46.5	32.8	27 200
34.0	42.6	30.7	24 800
36.0	38.3	28.2	22 700
38.0	33.6	25.3	20 900
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	133 100 *
11.0	79.7	47.3	130 600
12.0	78.5	47.1	118 300
13.0	77.2	46.8	103 300
14.0	75.9	46.6	92 000
15.0	74.6	46.3	82 700
16.0	73.3	46.0	74 900
18.0	70.6	45.3	62 800
20.0	67.9	44.5	53 900
22.0	65.2	43.6	46 800
24.0	62.3	42.5	41 300
26.0	59.4	41.4	36 700
28.0	56.4	40.0	32 900
30.0	53.3	38.6	29 700
32.0	50.1	36.9	26 900
34.0	46.7	35.1	24 500
36.0	43.0	33.0	22 400
38.0	39.1	30.6	20 600
40.0	34.9	27.8	19 000
42.0	30.1	24.6	17 500



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	129 600 *
11.0	80.4	50.4	127 400
12.0	79.2	50.2	118 400
13.0	78.0	50.0	103 100
14.0	76.8	49.7	91 700
15.0	75.6	49.4	82 400
16.0	74.3	49.2	74 700
18.0	71.9	48.5	62 600
20.0	69.4	47.8	53 600
22.0	66.8	46.9	46 600
24.0	64.2	46.0	41 000
26.0	61.5	44.9	36 400
28.0	58.8	43.7	32 600
30.0	56.0	42.4	29 400
32.0	53.1	40.9	26 600
34.0	50.0	39.2	24 200
36.0	46.8	37.4	22 200
38.0	43.4	35.3	20 300
40.0	39.8	33.0	18 700
42.0	35.9	30.3	17 200
44.0	31.6	27.2	15 900

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	126 900 *
11.0	81.0	53.5	124 900 *
12.0	79.8	53.3	118 300
13.0	78.7	53.1	103 100
14.0	77.6	52.9	91 700
15.0	76.4	52.6	82 400
16.0	75.3	52.3	74 600
18.0	73.0	51.7	62 600
20.0	70.6	51.0	53 500
22.0	68.3	50.2	46 500
24.0	65.8	49.4	40 900
26.0	63.4	48.4	36 400
28.0	60.8	47.3	32 500
30.0	58.3	46.0	29 300
32.0	55.6	44.7	26 600
34.0	52.8	43.2	24 200
36.0	50.0	41.5	22 100
38.0	47.0	39.7	20 300
40.0	43.8	37.7	18 600
42.0	40.4	35.4	17 200
44.0	36.8	32.8	15 800
46.0	32.8	29.8	14 700
48.0	28.4	26.3	13 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	124 500 *
10.0	82.5	56.7	124 000 *
11.0	81.5	56.6	122 200 *
12.0	80.4	56.4	117 100
13.0	79.3	56.2	102 900
14.0	78.3	56.0	91 500
15.0	77.2	55.7	82 200
16.0	76.1	55.5	74 400
18.0	74.0	54.9	62 300
20.0	71.8	54.3	53 300
22.0	69.5	53.5	46 200
24.0	67.3	52.7	40 600
26.0	65.0	51.8	36 100
28.0	62.6	50.7	32 300
30.0	60.2	49.6	29 000
32.0	57.8	48.4	26 300
34.0	55.2	47.0	23 900
36.0	52.6	45.5	21 800
38.0	49.9	43.8	20 000
40.0	47.1	42.0	18 300
42.0	44.1	40.0	16 900
44.0	41.0	37.7	15 500
46.0	37.6	35.2	14 300
48.0	33.9	32.3	13 300
50.0	29.9	29.0	12 300

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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	109 400 *
11.0	81.9	59.7	108 200 *
12.0	80.9	59.5	106 500 *
13.0	79.9	59.3	103 500
14.0	78.9	59.1	91 300
15.0	77.9	58.9	82 000
16.0	76.9	58.6	74 200
18.0	74.8	58.1	62 100
20.0	72.8	57.5	53 000
22.0	70.7	56.8	46 000
24.0	68.5	56.0	40 400
26.0	66.4	55.1	35 800
28.0	64.2	54.2	32 000
30.0	61.9	53.1	28 800
32.0	59.7	52.0	26 000
34.0	57.3	50.7	23 600
36.0	54.9	49.3	21 500
38.0	52.4	47.8	19 700
40.0	49.9	46.1	18 100
42.0	47.2	44.3	16 600
44.0	44.4	42.3	15 300
46.0	41.4	40.1	14 100
48.0	38.3	37.6	13 000
50.0	34.9	34.8	12 000
52.0	31.2	31.6	11 100

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	104 800 *
12.0	81.4	62.6	103 200 *
13.0	80.4	62.4	101 000
14.0	79.5	62.2	91 200
15.0	78.5	62.0	81 800
16.0	77.5	61.8	74 000
18.0	75.6	61.3	61 800
20.0	73.6	60.7	52 800
22.0	71.7	60.0	45 700
24.0	69.7	59.3	40 100
26.0	67.6	58.5	35 500
28.0	65.6	57.6	31 700
30.0	63.5	56.6	28 500
32.0	61.3	55.5	25 700
34.0	59.2	54.3	23 400
36.0	56.9	53.0	21 200
38.0	54.6	51.6	19 400
40.0	52.3	50.1	17 800
42.0	49.8	48.4	16 300
44.0	47.3	46.6	15 000
46.0	44.6	44.6	13 800
48.0	41.8	42.4	12 700
50.0	38.9	40.0	11 700
52.0	35.7	37.3	10 800
54.0	32.3	34.2	9 900
56.0	28.5	30.7	9 200

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	100 800 *
13.0	80.9	65.5	98 800 *
14.0	80.0	65.3	91 000
15.0	79.1	65.1	81 600
16.0	78.1	64.9	73 800
18.0	76.3	64.4	61 700
20.0	74.4	63.9	52 700
22.0	72.6	63.2	45 600
24.0	70.7	62.5	40 000
26.0	68.8	61.8	35 500
28.0	66.8	60.9	31 600
30.0	64.8	60.0	28 400
32.0	62.8	59.0	25 600
34.0	60.8	57.9	23 200
36.0	58.7	56.7	21 100
38.0	56.6	55.4	19 300
40.0	54.4	53.9	17 700
42.0	52.1	52.4	16 200
44.0	49.8	50.7	14 900
46.0	47.4	48.9	13 700
48.0	44.8	46.9	12 600
50.0	42.2	44.8	11 600
52.0	39.4	42.4	10 700
54.0	36.4	39.7	9 800
56.0	33.2	36.8	9 100
58.0	29.7	33.4	8 400



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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	98 500 *
12.0	82.2	68.7	97 700 *
13.0	81.3	68.6	94 400 *
14.0	80.4	68.4	90 700
15.0	79.6	68.2	81 400
16.0	78.7	68.0	73 700
18.0	76.9	67.6	61 500
20.0	75.2	67.0	52 400
22.0	73.4	66.4	45 400
24.0	71.6	65.8	39 800
26.0	69.8	65.1	35 200
28.0	67.9	64.2	31 300
30.0	66.1	63.4	28 100
32.0	64.2	62.4	25 400
34.0	62.2	61.4	23 000
36.0	60.3	60.2	20 800
38.0	58.3	59.0	19 000
40.0	56.2	57.7	17 300
42.0	54.1	56.3	15 900
44.0	52.0	54.7	14 500
46.0	49.7	53.0	13 400
48.0	47.4	51.2	12 300
50.0	45.0	49.3	11 300
52.0	42.5	47.1	10 400
54.0	39.9	44.8	9 500
56.0	37.1	42.2	8 800
58.0	34.1	39.3	8 000
60.0	30.9	36.1	7 400
62.0	27.3	32.4	6 800

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	85 900 *
14.0	80.9	71.5	84 800 *
15.0	80.0	71.3	81 200
16.0	79.2	71.1	73 900
18.0	77.5	70.7	61 300
20.0	75.8	70.2	52 200
22.0	74.1	69.6	45 100
24.0	72.4	69.0	39 500
26.0	70.7	68.3	34 900
28.0	68.9	67.5	31 100
30.0	67.2	66.7	27 900
32.0	65.4	65.8	25 100
34.0	63.6	64.8	22 700
36.0	61.7	63.7	20 600
38.0	59.8	62.6	18 700
40.0	57.9	61.3	17 100
42.0	55.9	60.0	15 600
44.0	53.9	58.6	14 300
46.0	51.8	57.0	13 100
48.0	49.7	55.3	12 000
50.0	47.5	53.5	11 000
52.0	45.2	51.6	10 100
54.0	42.8	49.4	9 300
56.0	40.3	47.1	8 500
58.0	37.7	44.6	7 800
60.0	34.9	41.8	7 100
62.0	31.8	38.7	6 500
64.0	28.5	35.1	5 900

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	83 300 *
14.0	81.2	74.6	80 900 *
15.0	80.4	74.4	78 300 *
16.0	79.6	74.2	73 900
18.0	78.0	73.8	61 100
20.0	76.4	73.3	51 900
22.0	74.8	72.8	44 900
24.0	73.2	72.2	39 200
26.0	71.5	71.5	34 600
28.0	69.9	70.8	30 800
30.0	68.2	70.0	27 600
32.0	66.5	69.2	24 800
34.0	64.7	68.2	22 400
36.0	63.0	67.2	20 300
38.0	61.2	66.1	18 500
40.0	59.4	64.9	16 800
42.0	57.5	63.7	15 300
44.0	55.6	62.3	14 000
46.0	53.7	60.9	12 800
48.0	51.7	59.3	11 700
50.0	49.7	57.6	10 700
52.0	47.6	55.8	9 800
54.0	45.4	53.9	8 900
56.0	43.1	51.8	8 200
58.0	40.7	49.5	7 400
60.0	38.2	47.0	6 800
62.0	35.6	44.3	6 200
64.0	32.7	41.2	5 600
66.0	29.6	37.8	5 000
68.0	26.2	34.0	4 500

Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
76 750 kg Counterweight
Rating Over Front of Blocked Crawlers
No Travel - Limited Swing

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	80 300 *
14.0	81.6	77.7	77 800 *
15.0	80.8	77.5	75 300 *
16.0	80.1	77.3	72 100
18.0	78.5	76.9	61 700
20.0	77.0	76.5	52 300
22.0	75.4	76.0	45 200
24.0	73.9	75.4	39 600
26.0	72.3	74.8	35 000
28.0	70.7	74.1	31 200
30.0	69.1	73.3	27 900
32.0	67.5	72.5	25 200
34.0	65.8	71.6	22 800
36.0	64.2	70.6	20 700
38.0	62.5	69.6	18 800
40.0	60.7	68.5	17 200
42.0	59.0	67.3	15 700
44.0	57.2	66.0	14 400
46.0	55.4	64.6	13 200
48.0	53.5	63.2	12 100
50.0	51.6	61.6	11 100
52.0	49.6	59.9	10 200
54.0	47.6	58.1	9 400
56.0	45.5	56.2	8 600
58.0	43.4	54.1	7 900
60.0	41.1	51.8	7 200
62.0	38.7	49.4	6 600
64.0	36.2	46.7	6 000
66.0	33.5	43.8	5 400
68.0	30.6	40.5	4 900
70.0	27.5	36.8	4 500

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	73 800 *
15.0	81.2	80.6	71 500 *
16.0	80.5	80.4	69 100 *
18.0	79.0	80.1	61 400
20.0	77.5	79.6	52 000
22.0	76.0	79.1	45 000
24.0	74.5	78.6	39 300
26.0	73.0	78.0	34 700
28.0	71.5	77.3	30 900
30.0	69.9	76.6	27 700
32.0	68.4	75.8	24 900
34.0	66.8	74.9	22 500
36.0	65.2	74.0	20 400
38.0	63.6	73.0	18 500
40.0	62.0	72.0	16 900
42.0	60.3	70.8	15 400
44.0	58.6	69.6	14 100
46.0	56.9	68.3	12 900
48.0	55.1	67.0	11 800
50.0	53.3	65.5	10 800
52.0	51.5	63.9	9 900
54.0	49.6	62.2	9 000
56.0	47.7	60.4	8 300
58.0	45.7	58.5	7 500
60.0	43.6	56.4	6 900
62.0	41.4	54.2	6 300
64.0	39.1	51.8	5 700
66.0	36.8	49.2	5 100
68.0	34.2	46.3	4 600
70.0	31.5	43.1	4 100
72.0	28.6	39.6	3 700

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	66 700 *
16.0	80.8	83.5	64 600 *
18.0	79.4	83.2	60 200
20.0	78.0	82.7	51 800
22.0	76.5	82.3	44 700
24.0	75.1	81.7	39 100
26.0	73.7	81.2	34 500
28.0	72.2	80.5	30 600
30.0	70.7	79.8	27 400
32.0	69.2	79.1	24 600
34.0	67.7	78.3	22 200
36.0	66.2	77.4	20 100
38.0	64.7	76.4	18 200
40.0	63.1	75.4	16 600
42.0	61.5	74.4	15 100
44.0	59.9	73.2	13 800
46.0	58.3	72.0	12 600
48.0	56.6	70.7	11 500
50.0	54.9	69.3	10 500
52.0	53.2	67.8	9 600
54.0	51.4	66.2	8 800
56.0	49.6	64.5	8 000
58.0	47.7	62.7	7 300
60.0	45.8	60.8	6 600
62.0	43.8	58.8	6 000
64.0	41.7	56.5	5 400
66.0	39.6	54.2	4 900
68.0	37.3	51.6	4 300
70.0	34.9	48.8	3 900
72.0	32.3	45.7	3 400
74.0	29.6	42.3	3 000
76.0	26.5	38.4	2 600



Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
76 750 kg Counterweight
Rating Over Front of Blocked Crawlers
No Travel - Limited Swing

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	61 200 *
18.0	79.8	86.3	58 500 *
20.0	78.4	85.9	51 900
22.0	77.0	85.4	44 700
24.0	75.6	84.9	39 000
26.0	74.3	84.3	34 400
28.0	72.8	83.7	30 600
30.0	71.4	83.1	27 300
32.0	70.0	82.3	24 500
34.0	68.6	81.6	22 100
36.0	67.1	80.7	20 000
38.0	65.6	79.8	18 200
40.0	64.1	78.9	16 500
42.0	62.6	77.8	15 000
44.0	61.1	76.7	13 700
46.0	59.5	75.6	12 500
48.0	58.0	74.3	11 400
50.0	56.4	73.0	10 400
52.0	54.7	71.6	9 500
54.0	53.0	70.1	8 700
56.0	51.3	68.5	7 900
58.0	49.6	66.8	7 200
60.0	47.8	65.0	6 500
62.0	45.9	63.1	5 900
64.0	44.0	61.1	5 300
66.0	42.0	58.9	4 800
68.0	39.9	56.5	4 300
70.0	37.8	54.0	3 800
72.0	35.5	51.2	3 300
74.0	33.1	48.2	2 900
76.0	30.5	44.9	2 500

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	59 000 *
18.0	80.1	89.4	58 000 *
20.0	78.8	89.0	51 700
22.0	77.5	88.5	44 500
24.0	76.2	88.0	38 900
26.0	74.8	87.5	34 200
28.0	73.5	86.9	30 400
30.0	72.1	86.3	27 200
32.0	70.7	85.6	24 400
34.0	69.3	84.8	22 000
36.0	67.9	84.0	19 800
38.0	66.5	83.2	18 000
40.0	65.1	82.2	16 300
42.0	63.7	81.3	14 900
44.0	62.2	80.2	13 500
46.0	60.7	79.1	12 300
48.0	59.2	77.9	11 200
50.0	57.7	76.7	10 200
52.0	56.1	75.3	9 300
54.0	54.5	73.9	8 500
56.0	52.9	72.4	7 700
58.0	51.3	70.8	7 000
60.0	49.6	69.1	6 300
62.0	47.8	67.3	5 700
64.0	46.0	65.4	5 100
66.0	44.2	63.4	4 600
68.0	42.3	61.2	4 100
70.0	40.3	58.9	3 600
72.0	38.2	56.4	3 100
74.0	36.0	53.7	2 700
76.0	33.7	50.8	2 300

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	55 200 *
18.0	80.5	92.5	53 000 *
20.0	79.2	92.1	50 300
22.0	77.9	91.7	44 400
24.0	76.6	91.2	38 600
26.0	75.3	90.7	34 000
28.0	74.0	90.1	30 100
30.0	72.7	89.5	26 900
32.0	71.4	88.8	24 100
34.0	70.1	88.1	21 600
36.0	68.7	87.3	19 500
38.0	67.4	86.5	17 700
40.0	66.0	85.6	16 000
42.0	64.6	84.7	14 500
44.0	63.2	83.7	13 200
46.0	61.8	82.6	12 000
48.0	60.3	81.5	10 900
50.0	58.9	80.3	9 900
52.0	57.4	79.0	9 000
54.0	55.9	77.6	8 200
56.0	54.3	76.2	7 400
58.0	52.8	74.7	6 700
60.0	51.2	73.1	6 000
62.0	49.5	71.4	5 400
64.0	47.9	69.6	4 800
66.0	46.1	67.7	4 300
68.0	44.3	65.7	3 800
70.0	42.5	63.6	3 300
72.0	40.6	61.3	2 800
74.0	38.6	58.8	2 400
76.0	36.5	56.1	1 900 *