

# Liftcrane Boom Capacities

# 2250 SERIES 3

**Boom No. 44 With Heavy Lift Top**  
**113 040 kg Crane Counterweight**  
**54 430 kg Carbody 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, 113 040 kg crane counterweight, two 13 610 kg and four 6 800 kg carbody counterweights.

Consult chart No. 8013-AM for jib capacities. Consult chart No. 8526-AM for extended upper boom point capacities.

<b>Deduct From Capacities When Jib Is Attached</b>	
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

**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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Maximum Boom and Jib Lengths Lifted Unassisted Over Front of Blocked Crawlers		
Boom Length	Jib No. 132	7.6m Extended Upper Boom Point
(a) 91.4m	—	—
88.4m	—	—
85.3m	—	—
82.3m	—	—
79.2m	24.4m	7.6m
76.2m	30.5m	
(b) 76.2m	36.6m	
73.2m	36.6m	

Load block, hook and weight ball on ground at start.  
When equipped with boom catwalks (a) upper boom point cannot be used on 91.4m boom and (b) 36.6m jib on 76.2m boom cannot be raised.

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>21.3m (70 Ft.) BOOM</b>			
5.5	82.9	23.5	272 100 *
6.0	81.5	23.4	256 800 *
6.5	80.2	23.3	248 100 *
7.0	78.8	23.2	239 300 *
7.5	77.4	23.1	224 200 *
8.0	76.0	22.9	210 800 *
8.5	74.6	22.8	198 900 *
9.0	73.2	22.6	188 200 *
10.0	70.3	22.2	169 800 *
11.0	67.4	21.8	154 100 *
12.0	64.4	21.3	135 900 *
13.0	61.3	20.7	121 200 *
14.0	58.1	20.1	109 000 *
15.0	54.8	19.4	98 600 *
16.0	51.4	18.5	89 700 *
18.0	43.8	16.6	74 700 *
20.0	34.8	13.9	59 300 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>24.4m (80 Ft.) BOOM</b>			
6.1	82.4	26.5	238 700 *
6.5	81.4	26.4	237 100 *
7.0	80.2	26.3	235 200 *
7.5	79.0	26.2	224 400 *
8.0	77.8	26.1	210 500 *
8.5	76.6	26.0	198 600 *
9.0	75.4	25.8	188 000 *
10.0	72.9	25.5	169 600 *
11.0	70.4	25.1	154 400 *
12.0	67.8	24.7	139 800 *
13.0	65.2	24.2	124 400 *
14.0	62.6	23.7	111 900 *
15.0	59.8	23.1	101 400 *
16.0	57.0	22.4	92 400 *
18.0	51.1	20.8	77 800 *
20.0	44.5	18.9	66 500 *
22.0	37.0	16.4	55 800 *
24.0	27.6	13.0	44 100 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>27.4m (90 Ft.) BOOM</b>			
6.4	82.6	29.5	226 100 *
6.5	82.4	29.5	225 700 *
7.0	81.3	29.4	223 400 *
7.5	80.3	29.3	221 100 *
8.0	79.2	29.2	210 400 *
8.5	78.1	29.1	198 400 *
9.0	77.0	29.0	187 800 *
10.0	74.9	28.7	169 400 *
11.0	72.7	28.4	154 200 *
12.0	70.4	28.0	141 400 *
13.0	68.2	27.6	127 400 *
14.0	65.9	27.1	114 600 *
15.0	63.5	26.6	103 900 *
16.0	61.1	26.0	94 700 *
18.0	56.1	24.7	80 000 *
20.0	50.8	23.1	68 600 *
22.0	45.0	21.2	59 400 *
24.0	38.5	18.8	51 600 *



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**Meets  
ANSI B30.5  
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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>30.5m (100 Ft.) BOOM</b>			
6.7	82.8	32.6	217 400 *
7.0	82.2	32.5	216 000 *
7.5	81.2	32.4	213 900 *
8.0	80.3	32.3	210 700 *
8.5	79.3	32.2	198 100 *
9.0	78.4	32.1	187 400 *
10.0	76.4	31.9	169 100 *
11.0	74.5	31.6	153 900 *
12.0	72.5	31.2	141 100 *
13.0	70.5	30.9	129 800 *
14.0	68.5	30.5	116 900 *
15.0	66.4	30.0	106 000 *
16.0	64.3	29.5	96 600 *
18.0	60.0	28.4	81 600 *
20.0	55.4	27.0	70 000 *
22.0	50.6	25.4	60 800 *
24.0	45.4	23.5	53 300 *
26.0	39.7	21.2	46 900 *
28.0	33.1	18.3	40 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>33.5m (110 Ft.) BOOM</b>			
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	160 000 *
11.0	75.9	34.7	153 800 *
12.0	74.1	34.4	140 900 *
13.0	72.3	34.1	129 900 *
14.0	70.5	33.8	119 300 *
15.0	68.7	33.3	108 200 *
16.0	66.8	32.9	98 600 *
18.0	63.0	31.9	83 300 *
20.0	59.0	30.7	71 600 *
22.0	54.9	29.3	62 200 *
24.0	50.5	27.7	54 500 *
26.0	45.8	25.8	48 200 *
28.0	40.6	23.6	42 800 *
30.0	34.9	20.9	37 800 *
32.0	28.0	17.4	31 700 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>36.6m (120 Ft.) BOOM</b>			
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	156 800 *
11.0	77.1	37.9	153 500 *
12.0	75.5	37.6	140 200 *
13.0	73.9	37.3	127 700 *
14.0	72.2	37.0	117 000 *
15.0	70.5	36.6	108 000 *
16.0	68.9	36.2	99 800 *
18.0	65.4	35.3	84 500 *
20.0	61.9	34.3	72 600 *
22.0	58.2	33.1	63 100 *
24.0	54.4	31.7	55 400 *
26.0	50.4	30.0	49 000 *
28.0	46.1	28.2	43 500 *
30.0	41.4	26.0	38 900 *
32.0	36.3	23.4	34 800 *
34.0	30.3	20.1	30 400 *

REVIEW ONLY



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>39.6m (130 Ft.) BOOM</b>			
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	153 300 *
11.0	78.1	41.0	150 900 *
12.0	76.6	40.8	138 000 *
13.0	75.1	40.5	125 500 *
14.0	73.6	40.2	115 200 *
15.0	72.1	39.9	106 400 *
16.0	70.6	39.5	98 800 *
18.0	67.4	38.7	85 700 *
20.0	64.2	37.7	73 700 *
22.0	60.9	36.6	64 200 *
24.0	57.5	35.4	56 400 *
26.0	54.0	34.0	49 900 *
28.0	50.3	32.3	44 400 *
30.0	46.3	30.5	39 800 *
32.0	42.0	28.3	35 700 *
34.0	37.4	25.8	32 100 *
36.0	32.2	22.8	28 700 *
38.0	25.9	19.0	24 300 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>42.7m (140 Ft.) BOOM</b>			
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	150 500 *
11.0	79.0	44.2	148 200 *
12.0	77.6	43.9	135 100 *
13.0	76.2	43.7	122 900 *
14.0	74.8	43.4	112 800 *
15.0	73.4	43.1	104 200 *
16.0	72.0	42.8	96 800 *
18.0	69.1	42.0	84 600 *
20.0	66.2	41.1	74 600 *
22.0	63.2	40.1	64 800 *
24.0	60.1	39.0	56 900 *
26.0	56.9	37.7	50 400 *
28.0	53.6	36.3	44 900 *
30.0	50.2	34.6	40 200 *
32.0	46.5	32.8	36 200 *
34.0	42.6	30.7	32 600 *
36.0	38.3	28.2	29 400 *
38.0	33.6	25.3	26 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>45.7m (150 Ft.) BOOM</b>			
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	130 700 *
12.0	78.5	47.1	128 400 *
13.0	77.2	46.8	121 200 *
14.0	75.9	46.6	110 900 *
15.0	74.6	46.3	102 400 *
16.0	73.3	46.0	95 100 *
18.0	70.6	45.3	83 200 *
20.0	67.9	44.5	73 800 *
22.0	65.2	43.6	65 600 *
24.0	62.3	42.5	57 500 *
26.0	59.4	41.4	51 000 *
28.0	56.4	40.0	45 400 *
30.0	53.3	38.6	40 700 *
32.0	50.1	36.9	36 600 *
34.0	46.7	35.1	33 000 *
36.0	43.0	33.0	29 900 *
38.0	39.1	30.6	27 000 *
40.0	34.9	27.8	24 500 *
42.0	30.1	24.6	21 900 *



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**Meets  
ANSI B30.5  
Requirements**

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>48.8m (160 Ft.) BOOM</b>			
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	125 400 *
13.0	78.0	50.0	119 300 *
14.0	76.8	49.7	109 100 *
15.0	75.6	49.4	100 700 *
16.0	74.3	49.2	93 500 *
18.0	71.9	48.5	81 800 *
20.0	69.4	47.8	72 500 *
22.0	66.8	46.9	64 900 *
24.0	64.2	46.0	58 000 *
26.0	61.5	44.9	51 400 *
28.0	58.8	43.7	45 800 *
30.0	56.0	42.4	41 000 *
32.0	53.1	40.9	36 900 *
34.0	50.0	39.2	33 300 *
36.0	46.8	37.4	30 100 *
38.0	43.4	35.3	27 300 *
40.0	39.8	33.0	24 800 *
42.0	35.9	30.3	22 400 *
44.0	31.6	27.2	20 300 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>51.8m (170 Ft.) BOOM</b>			
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	123 100 *
13.0	78.7	53.1	117 500 *
14.0	77.6	52.9	107 400 *
15.0	76.4	52.6	99 100 *
16.0	75.3	52.3	92 000 *
18.0	73.0	51.7	80 400 *
20.0	70.6	51.0	71 300 *
22.0	68.3	50.2	64 000 *
24.0	65.8	49.4	57 800 *
26.0	63.4	48.4	51 900 *
28.0	60.8	47.3	46 300 *
30.0	58.3	46.0	41 500 *
32.0	55.6	44.7	37 400 *
34.0	52.8	43.2	33 700 *
36.0	50.0	41.5	30 600 *
38.0	47.0	39.7	27 700 *
40.0	43.8	37.7	25 200 *
42.0	40.4	35.4	22 900 *
44.0	36.8	32.8	20 800 *
46.0	32.8	29.8	18 900 *
48.0	28.4	26.3	17 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>54.9m (180 Ft.) BOOM</b>			
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	120 600 *
13.0	79.3	56.2	115 400 *
14.0	78.3	56.0	105 500 *
15.0	77.2	55.7	97 300 *
16.0	76.1	55.5	90 300 *
18.0	74.0	54.9	78 900 *
20.0	71.8	54.3	69 900 *
22.0	69.5	53.5	62 700 *
24.0	67.3	52.7	56 700 *
26.0	65.0	51.8	51 600 *
28.0	62.6	50.7	46 600 *
30.0	60.2	49.6	41 600 *
32.0	57.8	48.4	37 500 *
34.0	55.2	47.0	33 900 *
36.0	52.6	45.5	30 700 *
38.0	49.9	43.8	27 800 *
40.0	47.1	42.0	25 300 *
42.0	44.1	40.0	23 000 *
44.0	41.0	37.7	20 900 *
46.0	37.6	35.2	19 000 *
48.0	33.9	32.3	17 300 *
50.0	29.9	29.0	15 600 *



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>57.9m (190 Ft.) BOOM</b>			
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	104 900 *
14.0	78.9	59.1	103 100 *
15.0	77.9	58.9	96 100 *
16.0	76.9	58.6	89 000 *
18.0	74.8	58.1	77 700 *
20.0	72.8	57.5	68 800 *
22.0	70.7	56.8	61 600 *
24.0	68.5	56.0	55 700 *
26.0	66.4	55.1	50 700 *
28.0	64.2	54.2	46 300 *
30.0	61.9	53.1	42 000 *
32.0	59.7	52.0	37 700 *
34.0	57.3	50.7	34 100 *
36.0	54.9	49.3	30 800 *
38.0	52.4	47.8	28 000 *
40.0	49.9	46.1	25 400 *
42.0	47.2	44.3	23 100 *
44.0	44.4	42.3	21 100 *
46.0	41.4	40.1	19 200 *
48.0	38.3	37.6	17 400 *
50.0	34.9	34.8	15 800 *
52.0	31.2	31.6	14 300 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>61.0m (200 Ft.) BOOM</b>			
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	101 800 *
14.0	79.5	62.2	99 000 *
15.0	78.5	62.0	94 700 *
16.0	77.5	61.8	88 200 *
18.0	75.6	61.3	76 500 *
20.0	73.6	60.7	67 700 *
22.0	71.7	60.0	60 600 *
24.0	69.7	59.3	54 700 *
26.0	67.6	58.5	49 700 *
28.0	65.6	57.6	45 500 *
30.0	63.5	56.6	41 700 *
32.0	61.3	55.5	37 800 *
34.0	59.2	54.3	34 100 *
36.0	56.9	53.0	30 900 *
38.0	54.6	51.6	28 000 *
40.0	52.3	50.1	25 400 *
42.0	49.8	48.4	23 100 *
44.0	47.3	46.6	21 100 *
46.0	44.6	44.6	19 200 *
48.0	41.8	42.4	17 400 *
50.0	38.9	40.0	15 800 *
52.0	35.7	37.3	14 300 *
54.0	32.3	34.2	13 000 *
56.0	28.5	30.7	11 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>64.0m (210 Ft.) BOOM</b>			
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	95 000 *
15.0	79.1	65.1	91 500 *
16.0	78.1	64.9	87 000 *
18.0	76.3	64.4	75 500 *
20.0	74.4	63.9	66 700 *
22.0	72.6	63.2	59 600 *
24.0	70.7	62.5	53 800 *
26.0	68.8	61.8	48 900 *
28.0	66.8	60.9	44 700 *
30.0	64.8	60.0	41 100 *
32.0	62.8	59.0	37 900 *
34.0	60.8	57.9	34 400 *
36.0	58.7	56.7	31 100 *
38.0	56.6	55.4	28 200 *
40.0	54.4	53.9	25 700 *
42.0	52.1	52.4	23 400 *
44.0	49.8	50.7	21 200 *
46.0	47.4	48.9	19 400 *
48.0	44.8	46.9	17 600 *
50.0	42.2	44.8	16 000 *
52.0	39.4	42.4	14 600 *
54.0	36.4	39.7	13 200 *
56.0	33.2	36.8	11 900 *
58.0	29.7	33.4	10 700 *



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**113 040 kg Crane Counterweight**  
**54 430 kg Carbody 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
<b>67.1m (220 Ft.) BOOM</b>			
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	90 800 *
15.0	79.6	68.2	87 500 *
16.0	78.7	68.0	83 800 *
18.0	76.9	67.6	74 400 *
20.0	75.2	67.0	65 400 *
22.0	73.4	66.4	58 500 *
24.0	71.6	65.8	52 800 *
26.0	69.8	65.1	48 000 *
28.0	67.9	64.2	43 800 *
30.0	66.1	63.4	40 200 *
32.0	64.2	62.4	37 000 *
34.0	62.2	61.4	34 200 *
36.0	60.3	60.2	31 100 *
38.0	58.3	59.0	28 200 *
40.0	56.2	57.7	25 600 *
42.0	54.1	56.3	23 300 *
44.0	52.0	54.7	21 200 *
46.0	49.7	53.0	19 300 *
48.0	47.4	51.2	17 500 *
50.0	45.0	49.3	16 000 *
52.0	42.5	47.1	14 500 *
54.0	39.9	44.8	13 100 *
56.0	37.1	42.2	11 800 *
58.0	34.1	39.3	10 600 *
60.0	30.9	36.1	9 500 *
62.0	27.3	32.4	8 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>70.1m (230 Ft.) BOOM</b>			
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	82 400 *
16.0	79.2	71.1	79 600 *
18.0	77.5	70.7	73 000 *
20.0	75.8	70.2	64 600 *
22.0	74.1	69.6	57 600 *
24.0	72.4	69.0	51 900 *
26.0	70.7	68.3	47 100 *
28.0	68.9	67.5	43 000 *
30.0	67.2	66.7	39 500 *
32.0	65.4	65.8	36 300 *
34.0	63.6	64.8	33 600 *
36.0	61.7	63.7	31 000 *
38.0	59.8	62.6	28 200 *
40.0	57.9	61.3	25 600 *
42.0	55.9	60.0	23 300 *
44.0	53.9	58.6	21 200 *
46.0	51.8	57.0	19 200 *
48.0	49.7	55.3	17 500 *
50.0	47.5	53.5	15 900 *
52.0	45.2	51.6	14 400 *
54.0	42.8	49.4	13 100 *
56.0	40.3	47.1	11 800 *
58.0	37.7	44.6	10 700 *
60.0	34.9	41.8	9 500 *
62.0	31.8	38.7	8 500 *
64.0	28.5	35.1	7 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>73.2m (240 Ft.) BOOM</b>			
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	75 600 *
18.0	78.0	73.8	70 500 *
20.0	76.4	73.3	63 500 *
22.0	74.8	72.8	56 500 *
24.0	73.2	72.2	50 900 *
26.0	71.5	71.5	46 100 *
28.0	69.9	70.8	42 100 *
30.0	68.2	70.0	38 600 *
32.0	66.5	69.2	35 500 *
34.0	64.7	68.2	32 800 *
36.0	63.0	67.2	30 300 *
38.0	61.2	66.1	28 000 *
40.0	59.4	64.9	25 500 *
42.0	57.5	63.7	23 100 *
44.0	55.6	62.3	21 000 *
46.0	53.7	60.9	19 100 *
48.0	51.7	59.3	17 400 *
50.0	49.7	57.6	15 800 *
52.0	47.6	55.8	14 300 *
54.0	45.4	53.9	12 900 *
56.0	43.1	51.8	11 700 *
58.0	40.7	49.5	10 500 *
60.0	38.2	47.0	9 400 *
62.0	35.6	44.3	8 400 *
64.0	32.7	41.2	7 400 *
66.0	29.6	37.8	6 400 *
68.0	26.2	34.0	5 600 *



# Liftcrane Boom Capacities

# 2250 SERIES 3

**Boom No. 44 With Heavy Lift Top**  
**113 040 kg Crane Counterweight**  
**54 430 kg Carbody 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
<b>76.2m (250 Ft.) BOOM</b>			
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	72 900 *
18.0	78.5	76.9	67 900 *
20.0	77.0	76.5	63 100 *
22.0	75.4	76.0	56 700 *
24.0	73.9	75.4	51 000 *
26.0	72.3	74.8	46 200 *
28.0	70.7	74.1	42 200 *
30.0	69.1	73.3	38 700 *
32.0	67.5	72.5	35 700 *
34.0	65.8	71.6	33 000 *
36.0	64.2	70.6	30 500 *
38.0	62.5	69.6	28 400 *
40.0	60.7	68.5	26 300 *
42.0	59.0	67.3	23 900 *
44.0	57.2	66.0	21 800 *
46.0	55.4	64.6	19 900 *
48.0	53.5	63.2	18 100 *
50.0	51.6	61.6	16 500 *
52.0	49.6	59.9	15 100 *
54.0	47.6	58.1	13 700 *
56.0	45.5	56.2	12 400 *
58.0	43.4	54.1	11 200 *
60.0	41.1	51.8	10 200 *
62.0	38.7	49.4	9 100 *
64.0	36.2	46.7	8 200 *
66.0	33.5	43.8	7 300 *
68.0	30.6	40.5	6 500 *
70.0	27.5	36.8	5 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>79.2m (260 Ft.) BOOM</b>			
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	64 400 *
20.0	77.5	79.6	59 900 *
22.0	76.0	79.1	55 400 *
24.0	74.5	78.6	50 100 *
26.0	73.0	78.0	45 300 *
28.0	71.5	77.3	41 300 *
30.0	69.9	76.6	37 900 *
32.0	68.4	75.8	34 800 *
34.0	66.8	74.9	32 200 *
36.0	65.2	74.0	29 800 *
38.0	63.6	73.0	27 600 *
40.0	62.0	72.0	25 700 *
42.0	60.3	70.8	23 800 *
44.0	58.6	69.6	21 700 *
46.0	56.9	68.3	19 700 *
48.0	55.1	67.0	18 000 *
50.0	53.3	65.5	16 300 *
52.0	51.5	63.9	14 900 *
54.0	49.6	62.2	13 500 *
56.0	47.7	60.4	12 200 *
58.0	45.7	58.5	11 100 *
60.0	43.6	56.4	10 000 *
62.0	41.4	54.2	8 900 *
64.0	39.1	51.8	8 000 *
66.0	36.8	49.2	7 100 *
68.0	34.2	46.3	6 200 *
70.0	31.5	43.1	5 400 *
72.0	28.6	39.6	4 700 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>82.3m (270 Ft.) BOOM</b>			
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	60 400 *
20.0	78.0	82.7	56 300 *
22.0	76.5	82.3	52 300 *
24.0	75.1	81.7	48 600 *
26.0	73.7	81.2	44 500 *
28.0	72.2	80.5	40 500 *
30.0	70.7	79.8	37 100 *
32.0	69.2	79.1	34 100 *
34.0	67.7	78.3	31 400 *
36.0	66.2	77.4	29 100 *
38.0	64.7	76.4	26 900 *
40.0	63.1	75.4	25 100 *
42.0	61.5	74.4	23 300 *
44.0	59.9	73.2	21 500 *
46.0	58.3	72.0	19 600 *
48.0	56.6	70.7	17 800 *
50.0	54.9	69.3	16 200 *
52.0	53.2	67.8	14 700 *
54.0	51.4	66.2	13 300 *
56.0	49.6	64.5	12 100 *
58.0	47.7	62.7	10 900 *
60.0	45.8	60.8	9 800 *
62.0	43.8	58.8	8 800 *
64.0	41.7	56.5	7 800 *
66.0	39.6	54.2	7 000 *
68.0	37.3	51.6	6 100 *
70.0	34.9	48.8	5 300 *
72.0	32.3	45.7	4 500 *
74.0	29.6	42.3	3 800 *
76.0	26.5	38.4	3 000 *





# Liftcrane Boom Capacities

# 2250 SERIES 3

**Boom No. 44 With Heavy Lift Top**  
**113 040 kg Crane Counterweight**  
**54 430 kg Carbody 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
<b>85.3m (280 Ft.) BOOM</b>			
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	57 800 *
22.0	77.0	85.4	55 000 *
24.0	75.6	84.9	48 900 *
26.0	74.3	84.3	44 200 *
28.0	72.8	83.7	40 200 *
30.0	71.4	83.1	36 700 *
32.0	70.0	82.3	33 700 *
34.0	68.6	81.6	31 100 *
36.0	67.1	80.7	28 800 *
38.0	65.6	79.8	26 600 *
40.0	64.1	78.9	24 700 *
42.0	62.6	77.8	22 500 *
44.0	61.1	76.7	20 400 *
46.0	59.5	75.6	18 500 *
48.0	58.0	74.3	16 800 *
50.0	56.4	73.0	15 200 *
52.0	54.7	71.6	13 800 *
54.0	53.0	70.1	12 500 *
56.0	51.3	68.5	11 200 *
58.0	49.6	66.8	10 100 *
60.0	47.8	65.0	9 000 *
62.0	45.9	63.1	8 100 *
64.0	44.0	61.1	7 200 *
66.0	42.0	58.9	6 300 *
68.0	39.9	56.5	5 500 *
70.0	37.8	54.0	4 700 *
72.0	35.5	51.2	4 000 *
74.0	33.1	48.2	3 300 *
76.0	30.5	44.9	2 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>88.4m (290 Ft.) BOOM</b>			
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	56 000 *
22.0	77.5	88.5	53 200 *
24.0	76.2	88.0	48 400 *
26.0	74.8	87.5	43 600 *
28.0	73.5	86.9	39 600 *
30.0	72.1	86.3	36 200 *
32.0	70.7	85.6	33 200 *
34.0	69.3	84.8	30 600 *
36.0	67.9	84.0	28 300 *
38.0	66.5	83.2	26 100 *
40.0	65.1	82.2	24 200 *
42.0	63.7	81.3	22 400 *
44.0	62.2	80.2	20 300 *
46.0	60.7	79.1	18 400 *
48.0	59.2	77.9	16 700 *
50.0	57.7	76.7	15 100 *
52.0	56.1	75.3	13 700 *
54.0	54.5	73.9	12 400 *
56.0	52.9	72.4	11 200 *
58.0	51.3	70.8	10 000 *
60.0	49.6	69.1	9 000 *
62.0	47.8	67.3	8 000 *
64.0	46.0	65.4	7 100 *
66.0	44.2	63.4	6 200 *
68.0	42.3	61.2	5 400 *
70.0	40.3	58.9	4 600 *
72.0	38.2	56.4	3 900 *
74.0	36.0	53.7	3 200 *
76.0	33.7	50.8	2 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
<b>91.4m (300 Ft.) BOOM</b>			
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	50 500 *
22.0	77.9	91.7	48 400 *
24.0	76.6	91.2	46 400 *
26.0	75.3	90.7	42 800 *
28.0	74.0	90.1	38 800 *
30.0	72.7	89.5	35 400 *
32.0	71.4	88.8	32 500 *
34.0	70.1	88.1	29 800 *
36.0	68.7	87.3	27 500 *
38.0	67.4	86.5	25 400 *
40.0	66.0	85.6	23 500 *
42.0	64.6	84.7	21 300 *
44.0	63.2	83.7	19 200 *
46.0	61.8	82.6	17 200 *
48.0	60.3	81.5	15 500 *
50.0	58.9	80.3	13 900 *
52.0	57.4	79.0	12 400 *
54.0	55.9	77.6	11 100 *
56.0	54.3	76.2	9 800 *
58.0	52.8	74.7	8 700 *
60.0	51.2	73.1	7 700 *
62.0	49.5	71.4	6 800 *
64.0	47.9	69.6	5 900 *
66.0	46.1	67.7	5 100 *
68.0	44.3	65.7	4 300 *
70.0	42.5	63.6	3 700 *
72.0	40.6	61.3	3 000 *
74.0	38.6	58.8	2 400 *
76.0	36.5	56.1	1 900 *