

Liftcrane Boom Capacities

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
112 810 kg Crane Counterweight
54 430 kg Carbody 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. 172610** or **No. 179809**, Wire Rope Specification chart **No. 7581-C**, and Counterweight Arrangement chart **No. 7692-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.

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. 8031-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, four 38 mm boom pendants or boom support straps, 112 810 kg crane counterweight, two 13 610 kg and four 6 800 kg carbody counterweights.

Maximum Boom and Jib Lengths Lifted Unassisted Over Front, Side or Rear of Crawlers	
Boom Length	Jib No. 132
91.4m	---
88.4m	---
85.3m	---
82.3m	---
79.2m	24.4m
76.2m	36.6m
Load block, hook and weight ball on ground at start.	

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.



Liftcrane Boom Capacities

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
21.3m (70 Ft.) BOOM			
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 *
24.4m (80 Ft.) BOOM			
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
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	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	140 700 *
13.0	68.2	27.6	125 600 *
14.0	65.9	27.1	113 000 *
15.0	63.5	26.6	102 500 *
16.0	61.1	26.0	93 700 *
18.0	56.1	24.7	79 800 *
20.0	50.8	23.1	68 600 *
22.0	45.0	21.2	59 400 *
24.0	38.5	18.8	51 600 *
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	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	140 500 *
13.0	70.5	30.9	125 500 *
14.0	68.5	30.5	112 900 *
15.0	66.4	30.0	102 400 *
16.0	64.3	29.5	93 600 *
18.0	60.0	28.4	79 700 *
20.0	55.4	27.0	69 100 *
22.0	50.6	25.4	60 700 *
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
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	160 000 *
11.0	75.9	34.7	153 800 *
12.0	74.1	34.4	140 400 *
13.0	72.3	34.1	125 400 *
14.0	70.5	33.8	112 800 *
15.0	68.7	33.3	102 300 *
16.0	66.8	32.9	93 500 *
18.0	63.0	31.9	79 500 *
20.0	59.0	30.7	69 000 *
22.0	54.9	29.3	60 700 *
24.0	50.5	27.7	54 000 *
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 *
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	156 800 *
11.0	77.1	37.9	153 500 *
12.0	75.5	37.6	140 200 *
13.0	73.9	37.3	125 300 *
14.0	72.2	37.0	112 600 *
15.0	70.5	36.6	102 200 *
16.0	68.9	36.2	93 300 *
18.0	65.4	35.3	79 400 *
20.0	61.9	34.3	68 800 *
22.0	58.2	33.1	60 500 *
24.0	54.4	31.7	53 800 *
26.0	50.4	30.0	48 200 *
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 *

Liftcrane Boom Capacities

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

**Meets
ANSI B30.5
Requirements**

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	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	125 200
14.0	73.6	40.2	112 600
15.0	72.1	39.9	102 200
16.0	70.6	39.5	93 300
18.0	67.4	38.7	79 400
20.0	64.2	37.7	68 800
22.0	60.9	36.6	60 400
24.0	57.5	35.4	53 800
26.0	54.0	34.0	48 200
28.0	50.3	32.3	43 600
30.0	46.3	30.5	39 600
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 *
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	150 500 *
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	112 400
15.0	73.4	43.1	102 000
16.0	72.0	42.8	93 100
18.0	69.1	42.0	79 100
20.0	66.2	41.1	68 500
22.0	63.2	40.1	60 200
24.0	60.1	39.0	53 500
26.0	56.9	37.7	48 000
28.0	53.6	36.3	43 300
30.0	50.2	34.6	39 400
32.0	46.5	32.8	36 100
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
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	130 700 *
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	101 900
16.0	73.3	46.0	93 000
18.0	70.6	45.3	78 900
20.0	67.9	44.5	68 400
22.0	65.2	43.6	60 000
24.0	62.3	42.5	53 300
26.0	59.4	41.4	47 800
28.0	56.4	40.0	43 200
30.0	53.3	38.6	39 200
32.0	50.1	36.9	35 800
34.0	46.7	35.1	32 900
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 *
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	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	92 900
18.0	71.9	48.5	78 800
20.0	69.4	47.8	68 100
22.0	66.8	46.9	59 800
24.0	64.2	46.0	53 100
26.0	61.5	44.9	47 500
28.0	58.8	43.7	42 900
30.0	56.0	42.4	39 000
32.0	53.1	40.9	35 600
34.0	50.0	39.2	32 600
36.0	46.8	37.4	30 000
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
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	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	91 900
18.0	73.0	51.7	78 800
20.0	70.6	51.0	68 000
22.0	68.3	50.2	59 700
24.0	65.8	49.4	53 000
26.0	63.4	48.4	47 500
28.0	60.8	47.3	42 800
30.0	58.3	46.0	38 900
32.0	55.6	44.7	35 500
34.0	52.8	43.2	32 600
36.0	50.0	41.5	30 000
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 *
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	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	78 300
20.0	71.8	54.3	67 800
22.0	69.5	53.5	59 500
24.0	67.3	52.7	52 700
26.0	65.0	51.8	47 200
28.0	62.6	50.7	42 600
30.0	60.2	49.6	38 600
32.0	57.8	48.4	35 200
34.0	55.2	47.0	32 300
36.0	52.6	45.5	29 700
38.0	49.9	43.8	27 400
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 *

Liftcrane Boom Capacities

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

**Meets
ANSI B30.5
Requirements**

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	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	67 600
22.0	70.7	56.8	59 200
24.0	68.5	56.0	52 500
26.0	66.4	55.1	47 000
28.0	64.2	54.2	42 300
30.0	61.9	53.1	38 400
32.0	59.7	52.0	35 000
34.0	57.3	50.7	32 100
36.0	54.9	49.3	29 500
38.0	52.4	47.8	27 200
40.0	49.9	46.1	25 200
42.0	47.2	44.3	23 200
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 *
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	101 800 *
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	67 400
22.0	71.7	60.0	59 000
24.0	69.7	59.3	52 200
26.0	67.6	58.5	46 700
28.0	65.6	57.6	42 100
30.0	63.5	56.6	38 100
32.0	61.3	55.5	34 700
34.0	59.2	54.3	31 800
36.0	56.9	53.0	29 200
38.0	54.6	51.6	26 900
40.0	52.3	50.1	24 900
42.0	49.8	48.4	23 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
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 *
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	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	66 600
22.0	72.6	63.2	59 000
24.0	70.7	62.5	52 200
26.0	68.8	61.8	46 600
28.0	66.8	60.9	42 000
30.0	64.8	60.0	38 000
32.0	62.8	59.0	34 600
34.0	60.8	57.9	31 700
36.0	58.7	56.7	29 100
38.0	56.6	55.4	26 800
40.0	54.4	53.9	24 800
42.0	52.1	52.4	22 900
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 *
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	90 800 *
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	58 400
24.0	71.6	65.8	51 900
26.0	69.8	65.1	46 300
28.0	67.9	64.2	41 700
30.0	66.1	63.4	37 800
32.0	64.2	62.4	34 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
67.1m (220 Ft.) BOOM			
34.0	62.2	61.4	31 400
36.0	60.3	60.2	28 800
38.0	58.3	59.0	26 500
40.0	56.2	57.7	24 500
42.0	54.1	56.3	22 600
44.0	52.0	54.7	21 000
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 *
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	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	51 700
26.0	70.7	68.3	46 100
28.0	68.9	67.5	41 500
30.0	67.2	66.7	37 500
32.0	65.4	65.8	34 100
34.0	63.6	64.8	31 200
36.0	61.7	63.7	28 600
38.0	59.8	62.6	26 300
40.0	57.9	61.3	24 200
42.0	55.9	60.0	22 400
44.0	53.9	58.6	20 700
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 *

Liftcrane Boom Capacities

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

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	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	45 900 *
28.0	69.9	70.8	41 200 *
30.0	68.2	70.0	37 200 *
32.0	66.5	69.2	33 800 *
34.0	64.7	68.2	30 900 *
36.0	63.0	67.2	28 300 *
38.0	61.2	66.1	26 000 *
40.0	59.4	64.9	23 900 *
42.0	57.5	63.7	22 100 *
44.0	55.6	62.3	20 500 *
46.0	53.7	60.9	18 900 *
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 *
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	72 900 *
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	41 500 *
30.0	69.1	73.3	37 600 *
32.0	67.5	72.5	34 200 *
34.0	65.8	71.6	31 200 *
36.0	64.2	70.6	28 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
76.2m (250 Ft.) BOOM			
38.0	62.5	69.6	26 400 *
40.0	60.7	68.5	24 300 *
42.0	59.0	67.3	22 500 *
44.0	57.2	66.0	20 800 *
46.0	55.4	64.6	19 300 *
48.0	53.5	63.2	18 000 *
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 *
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	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	37 300 *
32.0	68.4	75.8	33 900 *
34.0	66.8	74.9	30 900 *
36.0	65.2	74.0	28 400 *
38.0	63.6	73.0	26 000 *
40.0	62.0	72.0	24 000 *
42.0	60.3	70.8	22 200 *
44.0	58.6	69.6	20 500 *
46.0	56.9	68.3	19 000 *
48.0	55.1	67.0	17 700 *
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
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	60 400 *
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	37 000 *
32.0	69.2	79.1	33 700 *
34.0	67.7	78.3	30 700 *
36.0	66.2	77.4	28 100 *
38.0	64.7	76.4	25 800 *
40.0	63.1	75.4	23 800 *
42.0	61.5	74.4	21 900 *
44.0	59.9	73.2	20 300 *
46.0	58.3	72.0	18 800 *
48.0	56.6	70.7	17 400 *
50.0	54.9	69.3	16 100 *
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

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
112 810 kg Crane Counterweight
54 430 kg Carbody 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	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	30 700
36.0	67.1	80.7	28 100
38.0	65.6	79.8	25 800
40.0	64.1	78.9	23 700
42.0	62.6	77.8	21 900
44.0	61.1	76.7	20 200
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
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	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	28 000
38.0	66.5	83.2	25 700
40.0	65.1	82.2	23 600
42.0	63.7	81.3	21 800
44.0	62.2	80.2	20 100
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
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	50 500 *
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	23 300
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 *