



Liftcrane Boom Capacities

M-250T

**Boom No. 44A With Heavy Lift Top
80 560 kg Counterweight
Rating Over Rear or 360 Degrees
On Spread Outriggers**

**Meets ANSI B30.5 and
ISO 4305 Requirements**
13 m/s Maximum Wind thru 61.0m Boom
11 m/s with 64.0m thru 73.2m Boom
9 m/s with 76.2m thru 91.4m Boom

LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and are calculated to comply with 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.

82.3m thru 91.4m boom lengths require only the middle three sheaves in lower boom point. All other sheaves must be removed from lower boom point.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom 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 outriggers fully spread and set. Radii less than 12.2m not recommended when lifting over front of machine. Minimum boom angle over truck cab in 5 degrees. Refer to boom rigging **No. 173379**, Wire Rope Specification chart **No. 7632-A** and operating range diagram chart **No. 7636-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 Operator's Manual for operating guidelines.

WIND CONDITIONS: Machine may be operated in winds stated in maximum 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. Loads must be compensated for accordingly by reducing load ratings, reducing operating speeds, or by a combination of both.

Recommend stopping operation and lowering boom to no higher than 70 degree boom angle when wind exceeds conditions stated. Lower boom to ground when wind is above 22 m/s.

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 Manitowoc 16 x 8 carrier, 9 906 mm wheelbase, 2 610 mm front axle track, 2 610 mm rear axle track, 385/95 R 25 tires, 4 686 mm outriggers, 8 534 mm retractable gantry, 12 part boom hoist reeving, four 38 mm boom pendants and 80 560 kg counterweight.

Maximum Wind Speeds		
Boom Lengths	Working Wind	Lower To Ground
21.3m - 61.0m	13 m/s	22 m/s
64.0m - 73.2m	11 m/s	22 m/s
76.2m - 91.4m	9 m/s	22 m/s

Maximum Boom Length Lifted Unassisted Over Side or Rear on Spread Outriggers
91.4m
Load block, hook and weight ball on ground at start. Upper boom point cannot be used on 91.4m boom.



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
21.3m (70 Ft.) Boom				
5.5	82.9	23.9	272 100 *	272 100 *
6.0	81.5	23.9	245 300 *	245 300 *
6.5	80.2	23.7	246 100 *	246 100 *
7.0	78.8	23.6	236 700 *	236 700 *
7.5	77.4	23.5	221 600 *	221 600 *
8.0	76.0	23.4	208 300 *	208 300 *
8.5	74.6	23.2	196 500 *	196 500 *
9.0	73.2	23.0	185 800 *	185 800 *
10.0	70.3	22.7	164 800 *	164 800 *
11.0	67.4	22.2	147 900 *	147 900 *
12.0	64.4	21.7	133 800 *	133 800 *
13.0	61.3	21.2	120 000	120 200 *
14.0	58.1	20.5	106 100	108 100 *
15.0	54.8	19.8	95 000	97 900 *
16.0	51.4	19.0	85 800	89 200 *
18.0	43.8	17.0	71 600	74 300 *
20.0	34.8	14.3	59 000 *	59 000 *
24.4m (80 Ft.) Boom				
6.1	82.4	26.9	238 700 *	238 700 *
6.5	81.4	26.9	237 100 *	237 100 *
7.0	80.2	26.7	235 100 *	235 100 *
7.5	79.0	26.6	221 200 *	221 200 *
8.0	77.8	26.5	207 900 *	207 900 *
8.5	76.6	26.4	196 100 *	196 100 *
9.0	75.4	26.2	185 400 *	185 400 *
10.0	72.9	25.9	164 400 *	164 400 *
11.0	70.4	25.5	147 400 *	147 400 *
12.0	67.8	25.1	132 600	133 400 *
13.0	65.2	24.6	118 800	121 700 *
14.0	62.6	24.1	106 200	110 900 *
15.0	59.8	23.5	95 100	100 500 *
16.0	57.0	22.8	85 800	91 600 *
18.0	51.1	21.3	71 600	77 200 *
20.0	44.5	19.3	61 200	66 000 *
22.0	37.0	16.8	53 100	55 600 *
24.0	27.6	13.4	43 900	43 900 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
27.4m (90 Ft.) Boom				
6.4	82.6	30.0	226 100 *	226 100 *
6.5	82.4	29.9	225 700 *	225 700 *
7.0	81.3	29.9	223 400 *	223 400 *
7.5	80.3	29.8	219 700 *	219 700 *
8.0	79.2	29.6	207 600 *	207 600 *
8.5	78.1	29.5	195 900 *	195 900 *
9.0	77.0	29.4	185 100 *	185 100 *
10.0	74.9	29.1	164 200 *	164 200 *
11.0	72.7	28.8	145 300	147 200 *
12.0	70.4	28.4	129 100	133 200 *
13.0	68.2	28.0	116 000	121 600 *
14.0	65.9	27.5	105 200	111 600 *
15.0	63.5	27.0	95 300	102 800 *
16.0	61.1	26.5	85 900	94 000 *
18.0	56.1	25.2	71 700	79 200 *
20.0	50.8	23.6	61 200	68 000 *
22.0	45.0	21.6	53 100	59 000 *
24.0	38.5	19.3	46 700	51 300 *
30.5m (100 Ft.) Boom				
6.7	82.8	33.0	217 400 *	217 400 *
7.0	82.2	33.0	216 000 *	216 000 *
7.5	81.2	32.9	213 900 *	213 900 *
8.0	80.3	32.8	207 500 *	207 500 *
8.5	79.3	32.7	195 400 *	195 400 *
9.0	78.4	32.5	184 600 *	184 600 *
10.0	76.4	32.3	160 700	163 800 *
11.0	74.5	32.0	141 200	146 800 *
12.0	72.5	31.7	125 700	132 800 *
13.0	70.5	31.3	113 200	121 100 *
14.0	68.5	30.9	102 800	111 200 *
15.0	66.4	30.5	94 000	102 700 *
16.0	64.3	30.0	86 000	95 000 *
18.0	60.0	28.8	71 700	80 900 *
20.0	55.4	27.5	61 100	69 300 *
22.0	50.6	25.9	53 000	60 200 *
24.0	45.4	24.0	46 500	52 800 *
26.0	39.7	21.7	41 300	46 500 *
28.0	33.1	18.8	36 900	40 300 *



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
33.5m (110 Ft.) Boom				
7.0	82.9	36.0	201 300 *	201 300 *
7.5	82.0	36.0	199 100 *	199 100 *
8.0	81.2	35.9	197 000 *	197 000 *
8.5	80.3	35.8	193 900	194 500 *
9.0	79.4	35.7	179 800	184 400 *
10.0	77.7	35.4	155 900	163 400 *
11.0	75.9	35.2	137 400	146 400 *
12.0	74.1	34.9	122 600	132 500 *
13.0	72.3	34.5	110 500	120 800 *
14.0	70.5	34.2	100 500	110 900 *
15.0	68.7	33.8	92 000	102 400 *
16.0	66.8	33.3	84 700	94 900 *
18.0	63.0	32.3	71 800	82 100 *
20.0	59.0	31.2	61 000	70 600
22.0	54.9	29.8	52 900	61 300
24.0	50.5	28.2	46 500	53 900 *
26.0	45.8	26.3	41 200	47 700 *
28.0	40.6	24.0	36 800	42 300 *
30.0	34.9	21.3	33 200	37 500 *
32.0	28.0	17.8	30 000	31 500 *
36.6m (120 Ft.) Boom				
7.3	83.0	39.1	195 000 *	195 000 *
7.5	82.7	39.0	194 300 *	194 300 *
8.0	81.9	39.0	192 300 *	192 300 *
8.5	81.1	38.9	187 500	190 400 *
9.0	80.3	38.8	174 000	184 300 *
10.0	78.7	38.6	151 300	162 900 *
11.0	77.1	38.3	133 700	146 000 *
12.0	75.5	38.1	119 600	132 000 *
13.0	73.9	37.8	107 900	120 300 *
14.0	72.2	37.4	98 200	110 400 *
15.0	70.5	37.1	90 000	101 900 *
16.0	68.9	36.7	83 000	94 500 *
18.0	65.4	35.8	71 200	82 100
20.0	61.9	34.7	60 900	70 400
22.0	58.2	33.5	52 700	61 200
24.0	54.4	32.1	46 300	53 800
26.0	50.4	30.5	41 000	47 900
28.0	46.1	28.6	36 600	42 900
30.0	41.4	26.4	32 900	38 500 *
32.0	36.3	23.8	29 800	34 400 *
34.0	30.3	20.6	27 100	30 200 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
39.6m (130 Ft.) Boom				
7.9	82.7	42.1	183 300 *	183 300 *
8.0	82.6	42.0	183 000 *	183 000 *
8.5	81.8	42.0	180 600	181 100 *
9.0	81.1	41.9	168 400	179 200 *
10.0	79.6	41.7	146 900	162 900 *
11.0	78.1	41.5	130 100	145 700 *
12.0	76.6	41.2	116 600	131 700 *
13.0	75.1	40.9	105 400	120 100 *
14.0	73.6	40.6	96 100	110 100 *
15.0	72.1	40.3	88 100	101 600 *
16.0	70.6	39.9	81 300	94 100
18.0	67.4	39.1	70 100	81 500
20.0	64.2	38.2	60 800	70 300
22.0	60.9	37.1	52 600	61 000
24.0	57.5	35.8	46 100	53 700
26.0	54.0	34.4	40 900	47 700
28.0	50.3	32.8	36 500	42 800
30.0	46.3	30.9	32 800	38 600
32.0	42.0	28.7	29 700	35 000
34.0	37.4	26.2	27 000	31 700 *
36.0	32.2	23.2	24 600	28 300 *
38.0	25.9	19.4	22 500	24 000 *
42.7m (140 Ft.) Boom				
8.2	82.8	45.1	176 200 *	176 200 *
8.5	82.4	45.0	174 800	175 200 *
9.0	81.7	45.0	163 100	173 500 *
10.0	80.4	44.8	142 800	163 000 *
11.0	79.0	44.6	126 800	145 200 *
12.0	77.6	44.4	113 700	131 200
13.0	76.2	44.1	103 000	119 000
14.0	74.8	43.8	94 000	108 700
15.0	73.4	43.5	86 300	99 900
16.0	72.0	43.2	79 600	92 300
18.0	69.1	42.4	68 700	79 900
20.0	66.2	41.6	60 200	70 200
22.0	63.2	40.6	52 400	60 800
24.0	60.1	39.4	45 900	53 500
26.0	56.9	38.2	40 600	47 500
28.0	53.6	36.7	36 200	42 500
30.0	50.2	35.1	32 600	38 300
32.0	46.5	33.2	29 400	34 800
34.0	42.6	31.1	26 700	31 700
36.0	38.3	28.6	24 300	28 900
38.0	33.6	25.8	22 200	26 100 *



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
45.7m (150 Ft.) Boom				
8.5	82.9	48.1	161 700 *	161 700 *
9.0	82.3	48.1	158 300	160 200 *
10.0	81.0	47.9	138 800	156 200
11.0	79.7	47.7	123 500	142 400
12.0	78.5	47.5	111 000	128 100
13.0	77.2	47.2	100 600	116 300
14.0	75.9	47.0	91 900	106 400
15.0	74.6	46.7	84 500	97 900
16.0	73.3	46.4	78 000	90 500
18.0	70.6	45.7	67 400	78 400
20.0	67.9	44.9	59 100	68 900
22.0	65.2	44.0	52 100	60 700
24.0	62.3	43.0	45 700	53 200
26.0	59.4	41.8	40 400	47 300
28.0	56.4	40.5	36 000	42 300
30.0	53.3	39.0	32 400	38 100
32.0	50.1	37.4	29 200	34 600
34.0	46.7	35.5	26 500	31 500
36.0	43.0	33.4	24 100	28 700
38.0	39.1	31.0	22 000	26 400
40.0	34.9	28.3	20 100	24 100 *
42.0	30.1	25.0	18 400	21 600 *
48.8m (160 Ft.) Boom				
8.8	83.0	51.2	156 500 *	156 500 *
9.0	82.8	51.1	153 300	156 000 *
10.0	81.6	51.0	135 000	152 300
11.0	80.4	50.8	120 400	138 800
12.0	79.2	50.6	108 400	125 200
13.0	78.0	50.4	98 400	113 800
14.0	76.8	50.1	89 900	104 100
15.0	75.6	49.9	82 700	95 900
16.0	74.3	49.6	76 400	88 700
18.0	71.9	48.9	66 000	77 000
20.0	69.4	48.2	57 900	67 700
22.0	66.8	47.3	51 300	60 000
24.0	64.2	46.4	45 500	53 100
26.0	61.5	45.3	40 100	47 000
28.0	58.8	44.1	35 700	42 000
30.0	56.0	42.8	32 100	37 800
32.0	53.1	41.3	28 900	34 200
34.0	50.0	39.7	26 200	31 100
36.0	46.8	37.8	23 800	28 500
38.0	43.4	35.8	21 700	26 100
40.0	39.8	33.4	19 800	24 000
42.0	35.9	30.8	18 100	22 000
44.0	31.6	27.6	16 600	19 900 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
51.8m (170 Ft.) Boom				
9.1	83.0	54.2	146 100	147 500 *
10.0	82.1	54.1	131 300	145 100 *
11.0	81.0	53.9	117 300	135 400
12.0	79.8	53.7	105 800	122 300
13.0	78.7	53.5	96 100	111 300
14.0	77.6	53.3	88 000	102 000
15.0	76.4	53.0	81 000	94 000
16.0	75.3	52.8	74 800	87 000
18.0	73.0	52.2	64 800	75 600
20.0	70.6	51.5	56 800	66 500
22.0	68.3	50.7	50 400	59 200
24.0	65.8	49.8	45 100	52 800
26.0	63.4	48.8	40 000	46 800
28.0	60.8	47.7	35 600	41 900
30.0	58.3	46.5	31 900	37 700
32.0	55.6	45.1	28 700	34 100
34.0	52.8	43.6	26 000	31 000
36.0	50.0	42.0	23 600	28 300
38.0	47.0	40.1	21 500	25 900
40.0	43.8	38.1	19 700	23 800
42.0	40.4	35.8	18 000	21 900
44.0	36.8	33.2	16 500	20 200
46.0	32.8	30.2	15 100	18 400 *
48.0	28.4	26.7	13 900	16 500 *
54.9m (180 Ft.) Boom				
9.8	82.8	57.2	131 700	141 600 *
10.0	82.5	57.2	128 000	141 000 *
11.0	81.5	57.0	114 400	132 200
12.0	80.4	56.8	103 300	119 500
13.0	79.3	56.6	94 000	108 900
14.0	78.3	56.4	86 100	99 900
15.0	77.2	56.2	79 300	92 100
16.0	76.1	55.9	73 300	85 300
18.0	74.0	55.3	63 500	74 100
20.0	71.8	54.7	55 800	65 300
22.0	69.5	54.0	49 400	58 100
24.0	67.3	53.1	44 100	52 100
26.0	65.0	52.2	39 700	46 600
28.0	62.6	51.2	35 300	41 600
30.0	60.2	50.0	31 600	37 400
32.0	57.8	48.8	28 400	33 800
34.0	55.2	47.4	25 700	30 700
36.0	52.6	45.9	23 300	28 000
38.0	49.9	44.3	21 200	25 600
40.0	47.1	42.4	19 300	23 500
42.0	44.1	40.4	17 700	21 600
44.0	41.0	38.2	16 200	19 900
46.0	37.6	35.6	14 800	18 300
48.0	33.9	32.8	13 600	16 700 *
50.0	29.9	29.4	12 400	15 100 *



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
57.9m (190 Ft.) Boom				
10.4	82.6	60.2	119 500	128 600 *
11.0	81.9	60.1	111 600	127 100
12.0	80.9	59.9	100 900	117 000
13.0	79.9	59.7	91 900	106 500
14.0	78.9	59.5	84 200	97 800
15.0	77.9	59.3	77 600	90 200
16.0	76.9	59.1	71 800	83 700
18.0	74.8	58.5	62 300	72 700
20.0	72.8	57.9	54 600	64 100
22.0	70.7	57.2	48 500	57 000
24.0	68.5	56.4	43 300	51 100
26.0	66.4	55.6	38 900	46 200
28.0	64.2	54.6	35 100	41 300
30.0	61.9	53.6	31 300	37 100
32.0	59.7	52.4	28 200	33 500
34.0	57.3	51.1	25 400	30 400
36.0	54.9	49.7	23 000	27 700
38.0	52.4	48.2	21 000	25 300
40.0	49.9	46.6	19 100	23 200
42.0	47.2	44.7	17 400	21 300
44.0	44.4	42.7	15 900	19 600
46.0	41.4	40.5	14 600	18 100
48.0	38.3	38.0	13 300	16 700
50.0	34.9	35.3	12 200	15 300
52.0	31.2	32.1	11 200	13 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
61.0m (200 Ft.) Boom				
10.4	82.9	63.3	116 500	124 600 *
11.0	82.3	63.2	108 900	123 300
12.0	81.4	63.0	98 600	114 500
13.0	80.4	62.8	89 900	104 200
14.0	79.5	62.6	82 500	95 800
15.0	78.5	62.4	76 000	88 500
16.0	77.5	62.2	70 400	82 100
18.0	75.6	61.7	61 000	71 400
20.0	73.6	61.1	53 600	62 900
22.0	71.7	60.5	47 500	55 900
24.0	69.7	59.7	42 400	50 200
26.0	67.6	58.9	38 100	45 300
28.0	65.6	58.0	34 400	41 000
30.0	63.5	57.0	31 100	36 800
32.0	61.3	55.9	27 900	33 300
34.0	59.2	54.7	25 100	30 100
36.0	56.9	53.5	22 700	27 400
38.0	54.6	52.1	20 600	25 000
40.0	52.3	50.5	18 800	22 900
42.0	49.8	48.9	17 100	21 000
44.0	47.3	47.0	15 600	19 300
46.0	44.6	45.0	14 200	17 800
48.0	41.8	42.9	13 000	16 400
50.0	38.9	40.4	11 800	15 100
52.0	35.7	37.7	10 800	13 700 *
54.0	32.3	34.7	9 900	12 400 *
56.0	28.5	31.1	9 000	11 100 *



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Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
64.0m (210 Ft.) Boom				
11.0	82.7	66.2	106 700	116 900 *
12.0	81.8	66.1	96 500	112 300
13.0	80.9	65.9	88 100	102 200
14.0	80.0	65.7	80 900	94 000
15.0	79.1	65.6	74 600	86 900
16.0	78.1	65.3	69 100	80 600
18.0	76.3	64.8	60 000	70 200
20.0	74.4	64.3	52 800	62 000
22.0	72.6	63.7	46 800	55 200
24.0	70.7	63.0	41 800	49 500
26.0	68.8	62.2	37 600	44 700
28.0	66.8	61.4	34 000	40 600
30.0	64.8	60.4	30 800	36 800
32.0	62.8	59.4	27 800	33 200
34.0	60.8	58.3	25 100	30 100
36.0	58.7	57.1	22 700	27 400
38.0	56.6	55.8	20 600	25 000
40.0	54.4	54.4	18 700	22 900
42.0	52.1	52.8	17 000	21 000
44.0	49.8	51.2	15 500	19 200
46.0	47.4	49.3	14 200	17 700
48.0	44.8	47.4	13 000	16 300
50.0	42.2	45.2	11 800	15 100
52.0	39.4	42.8	10 800	13 900
54.0	36.4	40.2	9 800	12 800
56.0	33.2	37.2	8 900	11 500 *
58.0	29.7	33.8	8 100	10 300 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
67.1m (220 Ft.) Boom				
11.6	82.5	69.2	98 200	112 000 *
12.0	82.2	69.2	94 400	108 900
13.0	81.3	69.0	86 200	100 100
14.0	80.4	68.8	79 200	92 100
15.0	79.6	68.7	73 100	85 200
16.0	78.7	68.4	67 800	79 100
18.0	76.9	68.0	58 900	68 900
20.0	75.2	67.5	51 700	60 800
22.0	73.4	66.9	45 800	54 100
24.0	71.6	66.2	40 900	48 600
26.0	69.8	65.5	36 800	43 800
28.0	67.9	64.7	33 200	39 800
30.0	66.1	63.8	30 100	36 300
32.0	64.2	62.8	27 400	32 900
34.0	62.2	61.8	24 800	29 800
36.0	60.3	60.7	22 400	27 100
38.0	58.3	59.4	20 300	24 600
40.0	56.2	58.1	18 400	22 600
42.0	54.1	56.7	16 700	20 700
44.0	52.0	55.1	15 200	18 900
46.0	49.7	53.5	13 900	17 400
48.0	47.4	51.7	12 600	16 000
50.0	45.0	49.7	11 500	14 700
52.0	42.5	47.5	10 500	13 500
54.0	39.9	45.2	9 500	12 500
56.0	37.1	42.6	8 600	11 400
58.0	34.1	39.7	7 800	10 200 *
60.0	30.9	36.5	7 000	9 100 *
62.0	27.3	32.8	6 300	8 100 *



Liftcrane Boom Capacities

M-250T

Boom No. 44A With Heavy Lift Top
80 560 kg Counterweight
Rating Over Rear or 360 Degrees
On Spread Outriggers

**Meets ANSI B30.5 and
 ISO 4305 Requirements**

13 m/s Maximum Wind thru 61.0m Boom
11 m/s with 64.0m thru 73.2m Boom
9 m/s with 76.2m thru 91.4m Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
70.1m (230 Ft.) Boom				
11.6	82.9	72.3	95 800	102 400 *
12.0	82.5	72.3	92 200	100 500 *
13.0	81.7	72.1	84 300	96 000 *
14.0	80.9	71.9	77 500	90 200
15.0	80.0	71.8	71 600	83 500
16.0	79.2	71.6	66 400	77 600
18.0	77.5	71.1	57 700	67 600
20.0	75.8	70.6	50 700	59 700
22.0	74.1	70.1	44 900	53 100
24.0	72.4	69.4	40 100	47 700
26.0	70.7	68.7	36 000	43 000
28.0	68.9	68.0	32 500	39 000
30.0	67.2	67.1	29 400	35 500
32.0	65.4	66.2	26 800	32 500
34.0	63.6	65.2	24 400	29 500
36.0	61.7	64.2	22 100	26 800
38.0	59.8	63.0	20 000	24 400
40.0	57.9	61.8	18 100	22 200
42.0	55.9	60.4	16 400	20 400
44.0	53.9	59.0	14 900	18 700
46.0	51.8	57.4	13 600	17 100
48.0	49.7	55.8	12 300	15 700
50.0	47.5	54.0	11 200	14 400
52.0	45.2	52.0	10 200	13 300
54.0	42.8	49.9	9 200	12 200
56.0	40.3	47.6	8 300	11 200
58.0	37.7	45.0	7 500	10 200 *
60.0	34.9	42.2	6 700	9 100 *
62.0	31.8	39.1	6 000	8 000 *
64.0	28.5	35.6	5 400	7 100 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
73.2m (240 Ft.) Boom				
12.2	82.7	75.3	88 600	95 400 *
13.0	82.0	75.2	82 500	92 000 *
14.0	81.2	75.0	75 900	88 000 *
15.0	80.4	74.9	70 100	81 900
16.0	79.6	74.7	65 000	76 100
18.0	78.0	74.2	56 500	66 400
20.0	76.4	73.8	49 700	58 600
22.0	74.8	73.2	44 000	52 100
24.0	73.2	72.6	39 300	46 700
26.0	71.5	72.0	35 200	42 200
28.0	69.9	71.2	31 800	38 200
30.0	68.2	70.4	28 700	34 800
32.0	66.5	69.6	26 100	31 800
34.0	64.7	68.7	23 700	29 100
36.0	63.0	67.6	21 700	26 500
38.0	61.2	66.6	19 600	24 100
40.0	59.4	65.4	17 800	21 900
42.0	57.5	64.1	16 100	20 000
44.0	55.6	62.8	14 600	18 300
46.0	53.7	61.3	13 200	16 800
48.0	51.7	59.7	12 000	15 400
50.0	49.7	58.1	10 900	14 100
52.0	47.6	56.3	9 800	12 900
54.0	45.4	54.3	8 900	11 800
56.0	43.1	52.2	8 000	10 800
58.0	40.7	49.9	7 200	9 900
60.0	38.2	47.4	6 400	8 900 *
62.0	35.6	44.7	5 700	7 900 *
64.0	32.7	41.7	5 000	6 900 *
66.0	29.6	38.3	4 400	6 000 *
68.0	26.2	34.4	3 800	5 200 *



Liftcrane Boom Capacities

M-250T

**Boom No. 44A With Heavy Lift Top
80 560 kg Counterweight
Rating Over Rear or 360 Degrees
On Spread Outriggers**

**Meets ANSI B30.5 and
ISO 4305 Requirements**

13 m/s Maximum Wind thru 61.0m Boom

11 m/s with 64.0m thru 73.2m Boom

9 m/s with 76.2m thru 91.4m Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
76.2m (250 Ft.) Boom				
12.2	83.0	78.4	86 700	91 600 *
13.0	82.4	78.3	80 800	88 400 *
14.0	81.6	78.1	74 400	84 600 *
15.0	80.8	78.0	68 800	80 400
16.0	80.1	77.8	63 800	74 900
18.0	78.5	77.4	55 500	65 300
20.0	77.0	76.9	48 800	57 600
22.0	75.4	76.4	43 300	51 300
24.0	73.9	75.8	38 600	46 000
26.0	72.3	75.2	34 700	41 500
28.0	70.7	74.5	31 200	37 600
30.0	69.1	73.7	28 300	34 300
32.0	67.5	72.9	25 700	31 300
34.0	65.8	72.0	23 400	28 700
36.0	64.2	71.1	21 300	26 300
38.0	62.5	70.0	19 400	23 900
40.0	60.7	68.9	17 700	21 800
42.0	59.0	67.7	16 000	19 900
44.0	57.2	66.4	14 500	18 200
46.0	55.4	65.1	13 100	16 700
48.0	53.5	63.6	11 900	15 300
50.0	51.6	62.0	10 800	14 000
52.0	49.6	60.4	9 700	12 800
54.0	47.6	58.6	8 800	11 800
56.0	45.5	56.6	7 900	10 700
58.0	43.4	54.5	7 100	9 800
60.0	41.1	52.3	6 300	9 000
62.0	38.7	49.8	5 600	8 100 *
64.0	36.2	47.2	4 900	7 100 *
66.0	33.5	44.2	4 300	6 200 *
68.0	30.6	40.9	3 800	5 400 *
70.0	27.5	37.2	3 200	4 500 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
79.2m (260 Ft.) Boom				
12.8	82.8	81.4	80 400	85 200 *
13.0	82.7	81.4	79 100	84 500 *
14.0	81.9	81.2	72 800	80 900 *
15.0	81.2	81.1	67 400	77 500 *
16.0	80.5	80.9	62 600	73 500
18.0	79.0	80.5	54 400	64 100
20.0	77.5	80.1	47 800	56 600
22.0	76.0	79.6	42 400	50 400
24.0	74.5	79.0	37 800	45 200
26.0	73.0	78.4	33 900	40 700
28.0	71.5	77.7	30 600	36 900
30.0	69.9	77.0	27 600	33 600
32.0	68.4	76.2	25 000	30 600
34.0	66.8	75.4	22 700	28 000
36.0	65.2	74.4	20 700	25 700
38.0	63.6	73.5	18 900	23 600
40.0	62.0	72.4	17 200	21 500
42.0	60.3	71.3	15 700	19 600
44.0	58.6	70.1	14 200	17 900
46.0	56.9	68.8	12 800	16 300
48.0	55.1	67.4	11 600	14 900
50.0	53.3	65.9	10 400	13 600
52.0	51.5	64.3	9 400	12 500
54.0	49.6	62.7	8 400	11 400
56.0	47.7	60.9	7 500	10 400
58.0	45.7	58.9	6 700	9 500
60.0	43.6	56.9	6 000	8 600
62.0	41.4	54.6	5 300	7 800
64.0	39.1	52.2	4 600	6 800 *
66.0	36.8	49.6	4 000	6 000 *
68.0	34.2	46.7	3 400	5 200 *
70.0	31.5	43.5	2 800	4 300 *
72.0	28.6	40.0	2 300	3 600 *



Liftcrane Boom Capacities

M-250T

Boom No. 44A With Heavy Lift Top
80 560 kg Counterweight
Rating Over Rear or 360 Degrees
On Spread Outriggers

**Meets ANSI B30.5 and
 ISO 4305 Requirements**

13 m/s Maximum Wind thru 61.0m Boom
11 m/s with 64.0m thru 73.2m Boom
9 m/s with 76.2m thru 91.4m Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
82.3m (270 Ft.) Boom				
13.4	82.6	84.4	74 300 *	74 300 *
14.0	82.2	84.3	71 900	72 700 *
15.0	81.5	84.1	66 600	69 900 *
16.0	80.8	84.0	61 900	67 200 *
18.0	79.4	83.6	54 000	62 200 *
20.0	78.0	83.2	47 600	56 200
22.0	76.5	82.7	42 200	50 100
24.0	75.1	82.2	37 700	45 000
26.0	73.7	81.6	33 800	40 600
28.0	72.2	80.9	30 500	36 900
30.0	70.7	80.3	27 600	33 600
32.0	69.2	79.5	25 100	30 700
34.0	67.7	78.7	22 800	28 100
36.0	66.2	77.8	20 800	25 800
38.0	64.7	76.9	19 000	23 700
40.0	63.1	75.9	17 300	21 800
42.0	61.5	74.8	15 900	19 900
44.0	59.9	73.6	14 500	18 200
46.0	58.3	72.4	13 100	16 700
48.0	56.6	71.1	11 900	15 300
50.0	54.9	69.7	10 700	14 000
52.0	53.2	68.2	9 700	12 800
54.0	51.4	66.7	8 800	11 700
56.0	49.6	65.0	7 900	10 700
58.0	47.7	63.2	7 000	9 800
60.0	45.8	61.2	6 300	8 900
62.0	43.8	59.2	5 600	8 100
64.0	41.7	57.0	4 900	7 400
66.0	39.6	54.6	4 300	6 500 *
68.0	37.3	52.0	3 700	5 700 *
70.0	34.9	49.2	3 200	4 900 *
72.0	32.3	46.1	2 700	4 200 *
74.0	29.6	42.7	2 200	3 400 *
76.0	26.5	38.8		2 300 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
85.3m (280 Ft.) Boom				
13.4	82.9	87.4	70 000 *	70 000 *
14.0	82.5	87.4	69 200 *	69 200 *
15.0	81.8	87.2	65 900	66 700 *
16.0	81.1	87.1	61 500	65 400 *
18.0	79.8	86.7	53 500	62 600
20.0	78.4	86.3	47 200	55 800
22.0	77.0	85.8	41 900	49 800
24.0	75.6	85.3	37 500	44 700
26.0	74.3	84.8	33 700	40 400
28.0	72.8	84.2	30 400	36 700
30.0	71.4	83.5	27 500	33 400
32.0	70.0	82.8	25 000	30 500
34.0	68.6	82.0	22 800	28 000
36.0	67.1	81.2	20 800	25 700
38.0	65.6	80.2	19 000	23 600
40.0	64.1	79.3	17 300	21 800
42.0	62.6	78.3	15 800	20 100
44.0	61.1	77.2	14 500	18 300
46.0	59.5	76.0	13 200	16 800
48.0	58.0	74.7	12 000	15 400
50.0	56.4	73.4	10 900	14 100
52.0	54.7	72.0	9 800	12 900
54.0	53.0	70.5	8 900	11 800
56.0	51.3	68.9	8 000	10 800
58.0	49.6	67.3	7 200	9 700 *
60.0	47.8	65.5	6 400	8 600 *
62.0	45.9	63.5	5 700	7 700 *
64.0	44.0	61.5	5 000	6 800 *
66.0	42.0	59.3	4 400	5 900 *
68.0	39.9	57.0	3 800	5 100 *
70.0	37.8	54.4	3 300	4 300 *
72.0	35.5	51.7	2 800	3 600 *
74.0	33.1	48.7	2 300	2 900 *
76.0	30.5	45.4	1 800	2 300 *



Liftcrane Boom Capacities

M-250T

**Boom No. 44A With Heavy Lift Top
80 560 kg Counterweight
Rating Over Rear or 360 Degrees
On Spread Outriggers**

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ISO 4305 Requirements**

13 m/s Maximum Wind thru 61.0m Boom

11 m/s with 64.0m thru 73.2m Boom

9 m/s with 76.2m thru 91.4m Boom

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
88.4m (290 Ft.) Boom				
14.0	82.7	90.4	64 600 *	64 600 *
15.0	82.1	90.3	64 000	64 300 *
16.0	81.5	90.2	61 100	64 000 *
18.0	80.1	89.8	52 600	61 500
20.0	78.8	89.4	46 400	54 900
22.0	77.5	89.0	41 200	49 000
24.0	76.2	88.5	36 900	44 000
26.0	74.8	87.9	33 100	39 800
28.0	73.5	87.3	29 900	36 100
30.0	72.1	86.7	27 100	32 900
32.0	70.7	86.0	24 600	30 000
34.0	69.3	85.3	22 400	27 500
36.0	67.9	84.5	20 300	25 300
38.0	66.5	83.6	18 600	23 300
40.0	65.1	82.7	17 000	21 400
42.0	63.7	81.7	15 500	19 800
44.0	62.2	80.6	14 200	18 200
46.0	60.7	79.5	12 900	16 700
48.0	59.2	78.3	11 800	15 300
50.0	57.7	77.1	10 700	14 000
52.0	56.1	75.8	9 700	12 800
54.0	54.5	74.3	8 700	11 700
56.0	52.9	72.8	7 900	10 700
58.0	51.3	71.2	7 000	9 700 *
60.0	49.6	69.6	6 300	8 600 *
62.0	47.8	67.8	5 600	7 600 *
64.0	46.0	65.9	4 900	6 700 *
66.0	44.2	63.8	4 300	5 900 *
68.0	42.3	61.7	3 700	5 000 *
70.0	40.3	59.3	3 200	4 300 *
72.0	38.2	56.8	2 600	3 600 *
74.0	36.0	54.1	2 200	2 900 *
76.0	33.7	51.2		2 200 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity 360 Deg. Kilograms	Boom Capacity Rear Kilograms
91.4m (300 Ft.) Boom				
14.0	83.0	93.5	60 500 *	60 500 *
15.0	82.4	93.4	60 300 *	60 300 *
16.0	81.7	93.2	58 800	59 500 *
18.0	80.5	92.9	51 800	56 700 *
20.0	79.2	92.5	45 500	53 900
22.0	77.9	92.1	40 400	48 100
24.0	76.6	91.6	36 100	43 200
26.0	75.3	91.1	32 400	39 000
28.0	74.0	90.5	29 200	35 400
30.0	72.7	89.9	26 400	32 200
32.0	71.4	89.2	23 900	29 400
34.0	70.1	88.5	21 800	26 900
36.0	68.7	87.7	19 800	24 700
38.0	67.4	86.9	18 000	22 700
40.0	66.0	86.0	16 400	20 900
42.0	64.6	85.1	15 000	19 200
44.0	63.2	84.1	13 600	17 700
46.0	61.8	83.0	12 400	16 300
48.0	60.3	81.9	11 300	15 000
50.0	58.9	80.7	10 300	13 600
52.0	57.4	79.4	9 300	12 500
54.0	55.9	78.1	8 400	11 400
56.0	54.3	76.7	7 500	10 400
58.0	52.8	75.2	6 700	9 400
60.0	51.2	73.6	5 900	8 600
62.0	49.5	71.9	5 200	7 700 *
64.0	47.9	70.1	4 600	6 800 *
66.0	46.1	68.2	3 900	5 900 *
68.0	44.3	66.2	3 400	5 100 *
70.0	42.5	64.0	2 800	4 300 *
72.0	40.6	61.7	2 300	3 600 *
74.0	38.6	59.2		2 900 *
76.0	36.5	56.6		2 300 *