

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 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 (*).

61.0m boom length requires only the middle 3 sheaves to be used on 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. Weight of luffing jib and 2 270 kg suspended beneath luffing jib point sheaves have been included in capacity determination. 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. During operation, luffing jib must be maintained at proper boom to luffing jib angle shown in table. Refer to luffing jib assembly **No. 172894**, **No. 174308** or **No. 192086**, Wire Rope Specification chart **No. 7581-E**, Counterweight Arrangement chart **No. 7692-A** and Luffing Jib Raising Procedure chart **No. 7604-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 and luffing jib set at proper boom to luffing jib angle shown in table. Refer to Maximum Allowable Travel Specification chart **No. 7678-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, 10 part luffing jib hoist reeving, two 38 mm luffing jib pendants and backstays, 93 890 kg crane counterweight and two 13 610 kg carbody counterweights.

Luffing Jib Position During Operation	
Luffing Jib Length - Meters	Boom To Luffing Jib Angle
21.3	145 Degrees
24.4 - 27.4	150 Degrees
30.5 - 33.5	160 Degrees
36.6 - 61.0	168 Degrees

Deduct From Boom Capacities When Fixed Jib Is Attached To Luffing Jib	
Fixed Jib Length	Fixed Jib No. 140
12.2m	9 070 kg
18.3m	10 430 kg
24.4m	11 790 kg
30.5m	14 060 kg
36.6m	16 330 kg
1 360 kg Suspended Beneath Fixed Jib Point Included In Deducts.	

Consult Chart **No. 7614-AM** for luffing jib capacities.



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21.3m (70 Ft.) Luffing Jib, Attached at 145 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	214 900 *
6.5	81.4	26.4	212 800 *
7.0	80.2	26.3	210 300 *
7.5	79.0	26.2	200 600 *
8.0	77.8	26.1	187 400 *
8.5	76.6	26.0	176 000 *
9.0	75.4	25.8	165 600
10.0	72.9	25.5	138 600
11.0	70.4	25.1	117 600
12.0	67.8	24.7	101 400
13.0	65.2	24.2	88 600
14.0	62.6	23.7	78 300
15.0	59.8	23.1	69 700
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	205 200 *
6.5	82.4	29.5	204 700 *
7.0	81.3	29.4	202 100 *
7.5	80.3	29.3	198 700 *
8.0	79.2	29.2	187 400 *
8.5	78.1	29.1	176 000 *
9.0	77.0	29.0	165 800 *
10.0	74.9	28.7	139 200
11.0	72.7	28.4	118 100
12.0	70.4	28.0	101 800
13.0	68.2	27.6	89 000
14.0	65.9	27.1	78 700
15.0	63.5	26.6	70 100
16.0	61.1	26.0	62 900
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	195 100 *
7.0	82.2	32.5	193 600 *
7.5	81.2	32.4	190 900 *
8.0	80.3	32.3	186 700 *
8.5	79.3	32.2	175 900 *
9.0	78.4	32.1	165 700 *
10.0	76.4	31.9	139 600
11.0	74.5	31.6	118 300
12.0	72.5	31.2	102 100
13.0	70.5	30.9	89 300
14.0	68.5	30.5	78 900
15.0	66.4	30.0	70 300
16.0	64.3	29.5	63 000
18.0	60.0	28.4	51 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	152 400 *
7.5	82.0	35.5	150 500 *
8.0	81.2	35.4	148 700 *
8.5	80.3	35.3	147 000 *
9.0	79.4	35.2	145 400 *
10.0	77.7	35.0	139 600
11.0	75.9	34.7	118 600
12.0	74.1	34.4	102 300
13.0	72.3	34.1	89 500
14.0	70.5	33.8	79 100
15.0	68.7	33.3	70 500
16.0	66.8	32.9	63 200
18.0	63.0	31.9	51 700
20.0	59.0	30.7	43 000
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	142 600 *
7.5	82.7	38.6	142 000 *
8.0	81.9	38.5	140 400 *
8.5	81.1	38.4	138 900 *
9.0	80.3	38.3	137 500 *
10.0	78.7	38.1	134 300
11.0	77.1	37.9	118 700
12.0	75.5	37.6	102 400
13.0	73.9	37.3	89 600
14.0	72.2	37.0	79 200
15.0	70.5	36.6	70 500
16.0	68.9	36.2	63 200
18.0	65.4	35.3	51 700
20.0	61.9	34.3	43 000
22.0	58.2	33.1	36 200
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	141 400 *
8.0	82.6	41.6	141 200 *
8.5	81.8	41.5	139 800 *
9.0	81.1	41.4	138 400 *
10.0	79.6	41.3	135 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
11.0	78.1	41.0	119 000
12.0	76.6	40.8	102 700
13.0	75.1	40.5	89 800
14.0	73.6	40.2	79 400
15.0	72.1	39.9	70 700
16.0	70.6	39.5	63 500
18.0	67.4	38.7	51 900
20.0	64.2	37.7	43 300
22.0	60.9	36.6	36 400
24.0	57.5	35.4	30 900
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	137 100 *
8.5	82.4	44.6	136 400 *
9.0	81.7	44.5	135 200 *
10.0	80.4	44.4	132 200 *
11.0	79.0	44.2	119 100
12.0	77.6	43.9	102 700
13.0	76.2	43.7	89 900
14.0	74.8	43.4	79 400
15.0	73.4	43.1	70 700
16.0	72.0	42.8	63 400
18.0	69.1	42.0	51 900
20.0	66.2	41.1	43 200
22.0	63.2	40.1	36 300
24.0	60.1	39.0	30 800
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	118 700 *
9.0	82.3	47.6	117 500 *
10.0	81.0	47.5	114 800 *
11.0	79.7	47.3	110 000 *
12.0	78.5	47.1	102 700
13.0	77.2	46.8	89 900
14.0	75.9	46.6	79 400
15.0	74.6	46.3	70 700
16.0	73.3	46.0	63 400
18.0	70.6	45.3	51 900
20.0	67.9	44.5	43 100
22.0	65.2	43.6	36 200
24.0	62.3	42.5	30 700
26.0	59.4	41.4	26 200

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93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

21.3m (70 Ft.) Luffing Jib, Attached at 145 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	114 500 *
9.0	82.8	50.7	114 200 *
10.0	81.6	50.6	110 500 *
11.0	80.4	50.4	105 000 *
12.0	79.2	50.2	100 000 *
13.0	78.0	50.0	89 900
14.0	76.8	49.7	79 300
15.0	75.6	49.4	70 700
16.0	74.3	49.2	63 300
18.0	71.9	48.5	51 800
20.0	69.4	47.8	43 000
22.0	66.8	46.9	36 100
24.0	64.2	46.0	30 600
26.0	61.5	44.9	26 000
28.0	58.8	43.7	22 200
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	110 400 *
10.0	82.1	53.6	105 600 *
11.0	81.0	53.5	100 300 *
12.0	79.8	53.3	95 400 *
13.0	78.7	53.1	90 100
14.0	77.6	52.9	79 400
15.0	76.4	52.6	70 700
16.0	75.3	52.3	63 300
18.0	73.0	51.7	51 800
20.0	70.6	51.0	43 000
22.0	68.3	50.2	36 100
24.0	65.8	49.4	30 600
26.0	63.4	48.4	26 000
28.0	60.8	47.3	22 200
30.0	58.3	46.0	19 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	101 300 *
10.0	82.5	56.7	100 000 *
11.0	81.5	56.6	95 000 *
12.0	80.4	56.4	90 300 *
13.0	79.3	56.2	85 900 *
14.0	78.3	56.0	79 300
15.0	77.2	55.7	70 600
16.0	76.1	55.5	63 200
18.0	74.0	54.9	51 700
20.0	71.8	54.3	42 900
22.0	69.5	53.5	36 000
24.0	67.3	52.7	30 400
26.0	65.0	51.8	25 900
28.0	62.6	50.7	22 000
30.0	60.2	49.6	18 800
32.0	57.8	48.4	16 000
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	87 400 *
11.0	81.9	59.7	85 200 *
12.0	80.9	59.5	81 900 *
13.0	79.9	59.3	78 700 *
14.0	78.9	59.1	75 400 *
15.0	77.9	58.9	70 800
16.0	76.9	58.6	63 200
18.0	74.8	58.1	51 500
20.0	72.8	57.5	42 800
22.0	70.7	56.8	35 800
24.0	68.5	56.0	30 300
26.0	66.4	55.1	25 700
28.0	64.2	54.2	21 900
30.0	61.9	53.1	18 600
32.0	59.7	52.0	15 800
34.0	57.3	50.7	13 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
10.4	82.9	62.8	81 600 *
11.0	82.3	62.7	80 100 *
12.0	81.4	62.6	76 900 *
13.0	80.4	62.4	73 800 *
14.0	79.5	62.2	70 700 *
15.0	78.5	62.0	67 700 *
16.0	77.5	61.8	63 300
18.0	75.6	61.3	51 500
20.0	73.6	60.7	42 600
22.0	71.7	60.0	35 600
24.0	69.7	59.3	30 100
26.0	67.6	58.5	25 500
28.0	65.6	57.6	21 600
30.0	63.5	56.6	18 400
32.0	61.3	55.5	15 600
34.0	59.2	54.3	13 100
36.0	56.9	53.0	11 000

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93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

24.4m (80 Ft.) Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	214 500 *
6.5	81.4	26.4	212 200 *
7.0	80.2	26.3	209 700 *
7.5	79.0	26.2	199 600 *
8.0	77.8	26.1	186 400 *
8.5	76.6	26.0	175 000 *
9.0	75.4	25.8	164 400
10.0	72.9	25.5	137 200
11.0	70.4	25.1	116 200
12.0	67.8	24.7	100 000
13.0	65.2	24.2	87 300
14.0	62.6	23.7	76 900
15.0	59.8	23.1	68 400
16.0	57.0	22.4	61 200
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	204 900 *
6.5	82.4	29.5	204 400 *
7.0	81.3	29.4	201 700 *
7.5	80.3	29.3	197 900 *
8.0	79.2	29.2	186 400 *
8.5	78.1	29.1	175 000 *
9.0	77.0	29.0	164 700
10.0	74.9	28.7	137 800
11.0	72.7	28.4	116 700
12.0	70.4	28.0	100 500
13.0	68.2	27.6	87 800
14.0	65.9	27.1	77 400
15.0	63.5	26.6	68 800
16.0	61.1	26.0	61 600
18.0	56.1	24.7	50 200
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	194 900 *
7.0	82.2	32.5	193 400 *
7.5	81.2	32.4	190 900 *
8.0	80.3	32.3	186 800 *
8.5	79.3	32.2	175 000 *
9.0	78.4	32.1	164 800 *
10.0	76.4	31.9	138 300
11.0	74.5	31.6	117 100
12.0	72.5	31.2	100 900
13.0	70.5	30.9	88 100
14.0	68.5	30.5	77 700
15.0	66.4	30.0	69 100
16.0	64.3	29.5	61 800
18.0	60.0	28.4	50 400
20.0	55.4	27.0	41 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	151 900 *
7.5	82.0	35.5	150 000 *
8.0	81.2	35.4	148 200 *
8.5	80.3	35.3	146 400 *
9.0	79.4	35.2	144 800 *
10.0	77.7	35.0	138 700
11.0	75.9	34.7	117 400
12.0	74.1	34.4	101 200
13.0	72.3	34.1	88 300
14.0	70.5	33.8	77 900
15.0	68.7	33.3	69 300
16.0	66.8	32.9	62 100
18.0	63.0	31.9	50 600
20.0	59.0	30.7	41 900
22.0	54.9	29.3	35 100
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	142 200 *
7.5	82.7	38.6	141 500 *
8.0	81.9	38.5	140 000 *
8.5	81.1	38.4	138 400 *
9.0	80.3	38.3	137 000 *
10.0	78.7	38.1	133 500
11.0	77.1	37.9	117 600
12.0	75.5	37.6	101 300
13.0	73.9	37.3	88 500
14.0	72.2	37.0	78 100
15.0	70.5	36.6	69 500
16.0	68.9	36.2	62 200
18.0	65.4	35.3	50 700
20.0	61.9	34.3	42 000
22.0	58.2	33.1	35 100
24.0	54.4	31.7	29 600
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	141 000 *
8.0	82.6	41.6	140 700 *
8.5	81.8	41.5	139 300 *
9.0	81.1	41.4	137 900 *
10.0	79.6	41.3	134 300
11.0	78.1	41.0	117 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
12.0	76.6	40.8	101 600
13.0	75.1	40.5	88 800
14.0	73.6	40.2	78 300
15.0	72.1	39.9	69 700
16.0	70.6	39.5	62 400
18.0	67.4	38.7	51 000
20.0	64.2	37.7	42 300
22.0	60.9	36.6	35 400
24.0	57.5	35.4	29 900
26.0	54.0	34.0	25 300
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	136 800 *
8.5	82.4	44.6	136 000 *
9.0	81.7	44.5	134 800 *
10.0	80.4	44.4	131 800 *
11.0	79.0	44.2	118 100
12.0	77.6	43.9	101 700
13.0	76.2	43.7	88 800
14.0	74.8	43.4	78 400
15.0	73.4	43.1	69 700
16.0	72.0	42.8	62 500
18.0	69.1	42.0	50 900
20.0	66.2	41.1	42 200
22.0	63.2	40.1	35 300
24.0	60.1	39.0	29 800
26.0	56.9	37.7	25 300
28.0	53.6	36.3	21 500
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	118 500 *
9.0	82.3	47.6	117 200 *
10.0	81.0	47.5	114 400 *
11.0	79.7	47.3	109 500 *
12.0	78.5	47.1	101 900
13.0	77.2	46.8	88 900
14.0	75.9	46.6	78 400
15.0	74.6	46.3	69 800
16.0	73.3	46.0	62 400
18.0	70.6	45.3	50 900
20.0	67.9	44.5	42 200
22.0	65.2	43.6	35 300
24.0	62.3	42.5	29 800
26.0	59.4	41.4	25 200
28.0	56.4	40.0	21 400
30.0	53.3	38.6	18 200

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Meets
ANSI B30.5
Requirements

24.4m (80 Ft.) Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	114 300 *
9.0	82.8	50.7	114 000 *
10.0	81.6	50.6	110 100 *
11.0	80.4	50.4	104 500 *
12.0	79.2	50.2	99 400 *
13.0	78.0	50.0	88 900
14.0	76.8	49.7	78 400
15.0	75.6	49.4	69 700
16.0	74.3	49.2	62 400
18.0	71.9	48.5	50 900
20.0	69.4	47.8	42 100
22.0	66.8	46.9	35 200
24.0	64.2	46.0	29 700
26.0	61.5	44.9	25 100
28.0	58.8	43.7	21 300
30.0	56.0	42.4	18 100
32.0	53.1	40.9	15 300
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	110 200 *
10.0	82.1	53.6	105 300 *
11.0	81.0	53.5	100 000 *
12.0	79.8	53.3	95 000 *
13.0	78.7	53.1	89 500
14.0	77.6	52.9	78 400
15.0	76.4	52.6	69 800
16.0	75.3	52.3	62 400
18.0	73.0	51.7	50 900
20.0	70.6	51.0	42 200
22.0	68.3	50.2	35 200
24.0	65.8	49.4	29 700
26.0	63.4	48.4	25 200
28.0	60.8	47.3	21 300
30.0	58.3	46.0	18 100
32.0	55.6	44.7	15 300
34.0	52.8	43.2	12 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	101 200 *
10.0	82.5	56.7	99 900 *
11.0	81.5	56.6	94 800 *
12.0	80.4	56.4	89 900 *
13.0	79.3	56.2	85 500 *
14.0	78.3	56.0	78 400
15.0	77.2	55.7	69 700
16.0	76.1	55.5	62 400
18.0	74.0	54.9	50 800
20.0	71.8	54.3	42 000
22.0	69.5	53.5	35 100
24.0	67.3	52.7	29 600
26.0	65.0	51.8	25 000
28.0	62.6	50.7	21 200
30.0	60.2	49.6	17 900
32.0	57.8	48.4	15 200
34.0	55.2	47.0	12 700
36.0	52.6	45.5	10 600
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	87 200 *
11.0	81.9	59.7	85 000 *
12.0	80.9	59.5	81 600 *
13.0	79.9	59.3	78 300 *
14.0	78.9	59.1	75 000 *
15.0	77.9	58.9	70 000
16.0	76.9	58.6	62 300
18.0	74.8	58.1	50 700
20.0	72.8	57.5	41 900
22.0	70.7	56.8	35 000
24.0	68.5	56.0	29 500
26.0	66.4	55.1	24 900
28.0	64.2	54.2	21 100
30.0	61.9	53.1	17 800
32.0	59.7	52.0	15 000
34.0	57.3	50.7	12 600
36.0	54.9	49.3	10 500
38.0	52.4	47.8	8 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
10.4	82.9	62.8	81 600 *
11.0	82.3	62.7	80 000 *
12.0	81.4	62.6	76 700 *
13.0	80.4	62.4	73 600 *
14.0	79.5	62.2	70 400 *
15.0	78.5	62.0	67 300 *
16.0	77.5	61.8	62 800
18.0	75.6	61.3	50 600
20.0	73.6	60.7	41 800
22.0	71.7	60.0	34 800
24.0	69.7	59.3	29 300
26.0	67.6	58.5	24 700
28.0	65.6	57.6	20 900
30.0	63.5	56.6	17 600
32.0	61.3	55.5	14 800
34.0	59.2	54.3	12 400
36.0	56.9	53.0	10 200
38.0	54.6	51.6	8 300
40.0	52.3	50.1	6 600



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

27.4m (90 Ft.) Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	210 500 *
6.5	81.4	26.4	208 300 *
7.0	80.2	26.3	205 700 *
7.5	79.0	26.2	198 000 *
8.0	77.8	26.1	184 600 *
8.5	76.6	26.0	173 200 *
9.0	75.4	25.8	162 400
10.0	72.9	25.5	134 800
11.0	70.4	25.1	114 000
12.0	67.8	24.7	98 000
13.0	65.2	24.2	85 300
14.0	62.6	23.7	75 100
15.0	59.8	23.1	66 600
16.0	57.0	22.4	59 500
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	201 300 *
6.5	82.4	29.5	200 800 *
7.0	81.3	29.4	198 000 *
7.5	80.3	29.3	195 200 *
8.0	79.2	29.2	184 700 *
8.5	78.1	29.1	173 400 *
9.0	77.0	29.0	162 700
10.0	74.9	28.7	135 500
11.0	72.7	28.4	114 600
12.0	70.4	28.0	98 600
13.0	68.2	27.6	85 900
14.0	65.9	27.1	75 700
15.0	63.5	26.6	67 200
16.0	61.1	26.0	60 000
18.0	56.1	24.7	48 700
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	191 500 *
7.0	82.2	32.5	190 000 *
7.5	81.2	32.4	187 400 *
8.0	80.3	32.3	184 300 *
8.5	79.3	32.2	173 400 *
9.0	78.4	32.1	162 900
10.0	76.4	31.9	136 000
11.0	74.5	31.6	115 000
12.0	72.5	31.2	99 000
13.0	70.5	30.9	86 300
14.0	68.5	30.5	76 000
15.0	66.4	30.0	67 500
16.0	64.3	29.5	60 300
18.0	60.0	28.4	49 000
20.0	55.4	27.0	40 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	149 800 *
7.5	82.0	35.5	147 900 *
8.0	81.2	35.4	146 100 *
8.5	80.3	35.3	144 300 *
9.0	79.4	35.2	142 700 *
10.0	77.7	35.0	136 600
11.0	75.9	34.7	115 400
12.0	74.1	34.4	99 300
13.0	72.3	34.1	86 600
14.0	70.5	33.8	76 300
15.0	68.7	33.3	67 800
16.0	66.8	32.9	60 600
18.0	63.0	31.9	49 200
20.0	59.0	30.7	40 600
22.0	54.9	29.3	33 900
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	140 200 *
7.5	82.7	38.6	139 600 *
8.0	81.9	38.5	138 000 *
8.5	81.1	38.4	136 500 *
9.0	80.3	38.3	135 000 *
10.0	78.7	38.1	131 500
11.0	77.1	37.9	115 700
12.0	75.5	37.6	99 500
13.0	73.9	37.3	86 800
14.0	72.2	37.0	76 400
15.0	70.5	36.6	67 900
16.0	68.9	36.2	60 700
18.0	65.4	35.3	49 300
20.0	61.9	34.3	40 700
22.0	58.2	33.1	33 900
24.0	54.4	31.7	28 400
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	139 000 *
8.0	82.6	41.6	138 800 *
8.5	81.8	41.5	137 300 *
9.0	81.1	41.4	136 000 *
10.0	79.6	41.3	132 300
11.0	78.1	41.0	116 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
12.0	76.6	40.8	99 800
13.0	75.1	40.5	87 100
14.0	73.6	40.2	76 800
15.0	72.1	39.9	68 200
16.0	70.6	39.5	61 000
18.0	67.4	38.7	49 600
20.0	64.2	37.7	41 000
22.0	60.9	36.6	34 200
24.0	57.5	35.4	28 800
26.0	54.0	34.0	24 300
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	134 800 *
8.5	82.4	44.6	134 100 *
9.0	81.7	44.5	132 900 *
10.0	80.4	44.4	129 700 *
11.0	79.0	44.2	116 200
12.0	77.6	43.9	99 900
13.0	76.2	43.7	87 200
14.0	74.8	43.4	76 800
15.0	73.4	43.1	68 300
16.0	72.0	42.8	61 000
18.0	69.1	42.0	49 600
20.0	66.2	41.1	41 000
22.0	63.2	40.1	34 200
24.0	60.1	39.0	28 700
26.0	56.9	37.7	24 200
28.0	53.6	36.3	20 400
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	116 600 *
9.0	82.3	47.6	115 300 *
10.0	81.0	47.5	112 600 *
11.0	79.7	47.3	107 500 *
12.0	78.5	47.1	100 000
13.0	77.2	46.8	87 300
14.0	75.9	46.6	76 900
15.0	74.6	46.3	68 300
16.0	73.3	46.0	61 000
18.0	70.6	45.3	49 600
20.0	67.9	44.5	41 000
22.0	65.2	43.6	34 200
24.0	62.3	42.5	28 700
26.0	59.4	41.4	24 200
28.0	56.4	40.0	20 400
30.0	53.3	38.6	17 200

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

27.4m (90 Ft.) Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	112 500 *
9.0	82.8	50.7	112 100 *
10.0	81.6	50.6	108 000 *
11.0	80.4	50.4	102 500 *
12.0	79.2	50.2	97 500 *
13.0	78.0	50.0	87 300
14.0	76.8	49.7	76 900
15.0	75.6	49.4	68 300
16.0	74.3	49.2	61 000
18.0	71.9	48.5	49 600
20.0	69.4	47.8	40 900
22.0	66.8	46.9	34 100
24.0	64.2	46.0	28 600
26.0	61.5	44.9	24 100
28.0	58.8	43.7	20 300
30.0	56.0	42.4	17 100
32.0	53.1	40.9	14 300
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	108 000 *
10.0	82.1	53.6	103 100 *
11.0	81.0	53.5	97 900 *
12.0	79.8	53.3	93 000 *
13.0	78.7	53.1	87 600
14.0	77.6	52.9	76 900
15.0	76.4	52.6	68 300
16.0	75.3	52.3	61 100
18.0	73.0	51.7	49 600
20.0	70.6	51.0	40 900
22.0	68.3	50.2	34 100
24.0	65.8	49.4	28 700
26.0	63.4	48.4	24 200
28.0	60.8	47.3	20 400
30.0	58.3	46.0	17 200
32.0	55.6	44.7	14 400
34.0	52.8	43.2	12 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	99 000 *
10.0	82.5	56.7	97 700 *
11.0	81.5	56.6	92 700 *
12.0	80.4	56.4	87 900 *
13.0	79.3	56.2	83 500 *
14.0	78.3	56.0	76 900
15.0	77.2	55.7	68 300
16.0	76.1	55.5	61 000
18.0	74.0	54.9	49 500
20.0	71.8	54.3	40 900
22.0	69.5	53.5	34 000
24.0	67.3	52.7	28 500
26.0	65.0	51.8	24 000
28.0	62.6	50.7	20 200
30.0	60.2	49.6	17 000
32.0	57.8	48.4	14 200
34.0	55.2	47.0	11 800
36.0	52.6	45.5	9 700
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	85 300 *
11.0	81.9	59.7	83 100 *
12.0	80.9	59.5	79 800 *
13.0	79.9	59.3	76 500 *
14.0	78.9	59.1	73 200 *
15.0	77.9	58.9	68 600
16.0	76.9	58.6	61 000
18.0	74.8	58.1	49 500
20.0	72.8	57.5	40 800
22.0	70.7	56.8	33 900
24.0	68.5	56.0	28 400
26.0	66.4	55.1	23 900
28.0	64.2	54.2	20 100
30.0	61.9	53.1	16 900
32.0	59.7	52.0	14 100
34.0	57.3	50.7	11 700
36.0	54.9	49.3	9 600
38.0	52.4	47.8	7 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
10.4	82.9	62.8	80 100 *
11.0	82.3	62.7	78 100 *
12.0	81.4	62.6	74 800 *
13.0	80.4	62.4	71 700 *
14.0	79.5	62.2	68 600 *
15.0	78.5	62.0	65 500 *
16.0	77.5	61.8	61 200
18.0	75.6	61.3	49 500
20.0	73.6	60.7	40 600
22.0	71.7	60.0	33 800
24.0	69.7	59.3	28 200
26.0	67.6	58.5	23 700
28.0	65.6	57.6	19 900
30.0	63.5	56.6	16 700
32.0	61.3	55.5	13 900
34.0	59.2	54.3	11 500
36.0	56.9	53.0	9 400
38.0	54.6	51.6	7 500
40.0	52.3	50.1	5 800



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

30.5m (100 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	216 400 *
6.5	81.4	26.4	214 000 *
7.0	80.2	26.3	211 100 *
7.5	79.0	26.2	198 300 *
8.0	77.8	26.1	185 200 *
8.5	76.6	26.0	173 700 *
9.0	75.4	25.8	163 000
10.0	72.9	25.5	135 400
11.0	70.4	25.1	114 200
12.0	67.8	24.7	98 000
13.0	65.2	24.2	85 200
14.0	62.6	23.7	74 800
15.0	59.8	23.1	66 200
16.0	57.0	22.4	58 900
18.0	51.1	20.8	47 400
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	207 000 *
6.5	82.4	29.5	206 400 *
7.0	81.3	29.4	203 500 *
7.5	80.3	29.3	198 300 *
8.0	79.2	29.2	185 400 *
8.5	78.1	29.1	174 000 *
9.0	77.0	29.0	163 500
10.0	74.9	28.7	136 200
11.0	72.7	28.4	115 000
12.0	70.4	28.0	98 800
13.0	68.2	27.6	85 900
14.0	65.9	27.1	75 500
15.0	63.5	26.6	66 900
16.0	61.1	26.0	59 600
18.0	56.1	24.7	48 100
20.0	50.8	23.1	39 400
22.0	45.0	21.2	32 500
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	197 100 *
7.0	82.2	32.5	195 400 *
7.5	81.2	32.4	192 700 *
8.0	80.3	32.3	185 700 *
8.5	79.3	32.2	174 000 *
9.0	78.4	32.1	163 700 *
10.0	76.4	31.9	136 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
11.0	74.5	31.6	115 600
12.0	72.5	31.2	99 300
13.0	70.5	30.9	86 400
14.0	68.5	30.5	75 900
15.0	66.4	30.0	67 300
16.0	64.3	29.5	60 000
18.0	60.0	28.4	48 500
20.0	55.4	27.0	39 800
22.0	50.6	25.4	32 900
24.0	45.4	23.5	27 400
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	152 700 *
7.5	82.0	35.5	150 700 *
8.0	81.2	35.4	148 700 *
8.5	80.3	35.3	146 800 *
9.0	79.4	35.2	145 000 *
10.0	77.7	35.0	138 500
11.0	75.9	34.7	116 100
12.0	74.1	34.4	99 700
13.0	72.3	34.1	86 800
14.0	70.5	33.8	76 300
15.0	68.7	33.3	67 700
16.0	66.8	32.9	60 400
18.0	63.0	31.9	48 900
20.0	59.0	30.7	40 100
22.0	54.9	29.3	33 300
24.0	50.5	27.7	27 700
26.0	45.8	25.8	23 200
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	143 000 *
7.5	82.7	38.6	142 300 *
8.0	81.9	38.5	140 600 *
8.5	81.1	38.4	139 000 *
9.0	80.3	38.3	137 400 *
10.0	78.7	38.1	133 300
11.0	77.1	37.9	116 400
12.0	75.5	37.6	100 000
13.0	73.9	37.3	87 100
14.0	72.2	37.0	76 600
15.0	70.5	36.6	67 900
16.0	68.9	36.2	60 600
18.0	65.4	35.3	49 100
20.0	61.9	34.3	40 300
22.0	58.2	33.1	33 400
24.0	54.4	31.7	27 900
26.0	50.4	30.0	23 300
28.0	46.1	28.2	19 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	141 700 *
8.0	82.6	41.6	141 500 *
8.5	81.8	41.5	139 900 *
9.0	81.1	41.4	138 500 *
10.0	79.6	41.3	134 300
11.0	78.1	41.0	116 800
12.0	76.6	40.8	100 400
13.0	75.1	40.5	87 500
14.0	73.6	40.2	77 000
15.0	72.1	39.9	68 300
16.0	70.6	39.5	61 000
18.0	67.4	38.7	49 400
20.0	64.2	37.7	40 700
22.0	60.9	36.6	33 800
24.0	57.5	35.4	28 200
26.0	54.0	34.0	23 700
28.0	50.3	32.3	19 800
30.0	46.3	30.5	16 600
32.0	42.0	28.3	13 800
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	137 500 *
8.5	82.4	44.6	136 800 *
9.0	81.7	44.5	135 400 *
10.0	80.4	44.4	132 300
11.0	79.0	44.2	117 000
12.0	77.6	43.9	100 600
13.0	76.2	43.7	87 600
14.0	74.8	43.4	77 100
15.0	73.4	43.1	68 400
16.0	72.0	42.8	61 100
18.0	69.1	42.0	49 500
20.0	66.2	41.1	40 800
22.0	63.2	40.1	33 800
24.0	60.1	39.0	28 300
26.0	56.9	37.7	23 700
28.0	53.6	36.3	19 900
30.0	50.2	34.6	16 600
32.0	46.5	32.8	13 800

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

30.5m (100 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	119 700 *
9.0	82.3	47.6	118 300 *
10.0	81.0	47.5	115 300 *
11.0	79.7	47.3	110 000 *
12.0	78.5	47.1	101 400
13.0	77.2	46.8	87 700
14.0	75.9	46.6	77 200
15.0	74.6	46.3	68 500
16.0	73.3	46.0	61 200
18.0	70.6	45.3	49 600
20.0	67.9	44.5	40 800
22.0	65.2	43.6	33 900
24.0	62.3	42.5	28 300
26.0	59.4	41.4	23 800
28.0	56.4	40.0	19 900
30.0	53.3	38.6	16 600
32.0	50.1	36.9	13 800
34.0	46.7	35.1	11 400
36.0	43.0	33.0	9 300
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	115 600 *
9.0	82.8	50.7	115 200 *
10.0	81.6	50.6	111 200 *
11.0	80.4	50.4	105 400 *
12.0	79.2	50.2	99 500
13.0	78.0	50.0	87 800
14.0	76.8	49.7	77 300
15.0	75.6	49.4	68 500
16.0	74.3	49.2	61 200
18.0	71.9	48.5	49 600
20.0	69.4	47.8	40 800
22.0	66.8	46.9	33 800
24.0	64.2	46.0	28 300
26.0	61.5	44.9	23 700
28.0	58.8	43.7	19 800
30.0	56.0	42.4	16 600
32.0	53.1	40.9	13 800
34.0	50.0	39.2	11 300
36.0	46.8	37.4	9 200
38.0	43.4	35.3	7 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	111 700 *
10.0	82.1	53.6	106 700 *
11.0	81.0	53.5	101 000 *
12.0	79.8	53.3	95 900 *
13.0	78.7	53.1	88 300
14.0	77.6	52.9	77 300
15.0	76.4	52.6	68 700
16.0	75.3	52.3	61 300
18.0	73.0	51.7	49 600
20.0	70.6	51.0	40 800
22.0	68.3	50.2	34 000
24.0	65.8	49.4	28 400
26.0	63.4	48.4	23 800
28.0	60.8	47.3	20 000
30.0	58.3	46.0	16 700
32.0	55.6	44.7	13 900
34.0	52.8	43.2	11 400
36.0	50.0	41.5	9 300
38.0	47.0	39.7	7 400
40.0	43.8	37.7	5 700
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	102 900 *
10.0	82.5	56.7	101 500 *
11.0	81.5	56.6	96 100 *
12.0	80.4	56.4	91 100 *
13.0	79.3	56.2	86 100
14.0	78.3	56.0	77 400
15.0	77.2	55.7	68 600
16.0	76.1	55.5	61 200
18.0	74.0	54.9	49 600
20.0	71.8	54.3	40 800
22.0	69.5	53.5	33 900
24.0	67.3	52.7	28 300
26.0	65.0	51.8	23 700
28.0	62.6	50.7	19 800
30.0	60.2	49.6	16 600
32.0	57.8	48.4	13 700
34.0	55.2	47.0	11 300
36.0	52.6	45.5	9 200
38.0	49.9	43.8	7 300
40.0	47.1	42.0	5 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	88 500 *
11.0	81.9	59.7	86 200 *
12.0	80.9	59.5	82 600 *
13.0	79.9	59.3	79 200 *
14.0	78.9	59.1	75 800 *
15.0	77.9	58.9	68 800
16.0	76.9	58.6	61 200
18.0	74.8	58.1	49 600
20.0	72.8	57.5	40 700
22.0	70.7	56.8	33 800
24.0	68.5	56.0	28 200
26.0	66.4	55.1	23 600
28.0	64.2	54.2	19 700
30.0	61.9	53.1	16 400
32.0	59.7	52.0	13 700
34.0	57.3	50.7	11 200
36.0	54.9	49.3	9 000
38.0	52.4	47.8	7 200
40.0	49.9	46.1	5 500
61.0m (200 Ft.) BOOM			
10.4	82.9	62.8	81 600 *
11.0	82.3	62.7	81 500 *
12.0	81.4	62.6	77 900 *
13.0	80.4	62.4	74 600 *
14.0	79.5	62.2	71 400 *
15.0	78.5	62.0	67 800
16.0	77.5	61.8	62 200
18.0	75.6	61.3	49 500
20.0	73.6	60.7	40 600
22.0	71.7	60.0	33 700
24.0	69.7	59.3	28 100
26.0	67.6	58.5	23 500
28.0	65.6	57.6	19 600
30.0	63.5	56.6	16 300
32.0	61.3	55.5	13 500
34.0	59.2	54.3	11 100
36.0	56.9	53.0	8 900
38.0	54.6	51.6	7 000



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

33.5m (110 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	213 300 *
6.5	81.4	26.4	210 800 *
7.0	80.2	26.3	207 800 *
7.5	79.0	26.2	196 700 *
8.0	77.8	26.1	183 500 *
8.5	76.6	26.0	172 100 *
9.0	75.4	25.8	161 000
10.0	72.9	25.5	133 000
11.0	70.4	25.1	112 100
12.0	67.8	24.7	95 900
13.0	65.2	24.2	83 200
14.0	62.6	23.7	72 900
15.0	59.8	23.1	64 400
16.0	57.0	22.4	57 200
18.0	51.1	20.8	45 800
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	204 100 *
6.5	82.4	29.5	203 500 *
7.0	81.3	29.4	200 500 *
7.5	80.3	29.3	195 900 *
8.0	79.2	29.2	183 800 *
8.5	78.1	29.1	172 400 *
9.0	77.0	29.0	161 600
10.0	74.9	28.7	134 000
11.0	72.7	28.4	112 900
12.0	70.4	28.0	96 800
13.0	68.2	27.6	84 000
14.0	65.9	27.1	73 700
15.0	63.5	26.6	65 100
16.0	61.1	26.0	57 900
18.0	56.1	24.7	46 500
20.0	50.8	23.1	37 900
22.0	45.0	21.2	31 100
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	194 400 *
7.0	82.2	32.5	192 700 *
7.5	81.2	32.4	189 900 *
8.0	80.3	32.3	184 200 *
8.5	79.3	32.2	172 400 *
9.0	78.4	32.1	161 900
10.0	76.4	31.9	134 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
11.0	74.5	31.6	113 600
12.0	72.5	31.2	97 400
13.0	70.5	30.9	84 600
14.0	68.5	30.5	74 300
15.0	66.4	30.0	65 700
16.0	64.3	29.5	58 400
18.0	60.0	28.4	47 000
20.0	55.4	27.0	38 400
22.0	50.6	25.4	31 500
24.0	45.4	23.5	26 100
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	151 000 *
7.5	82.0	35.5	148 900 *
8.0	81.2	35.4	146 900 *
8.5	80.3	35.3	145 000 *
9.0	79.4	35.2	143 300 *
10.0	77.7	35.0	136 500
11.0	75.9	34.7	114 100
12.0	74.1	34.4	97 900
13.0	72.3	34.1	85 100
14.0	70.5	33.8	74 700
15.0	68.7	33.3	66 100
16.0	66.8	32.9	58 900
18.0	63.0	31.9	47 400
20.0	59.0	30.7	38 800
22.0	54.9	29.3	31 900
24.0	50.5	27.7	26 400
26.0	45.8	25.8	21 900
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	141 300 *
7.5	82.7	38.6	140 700 *
8.0	81.9	38.5	138 900 *
8.5	81.1	38.4	137 300 *
9.0	80.3	38.3	135 800 *
10.0	78.7	38.1	131 500
11.0	77.1	37.9	114 500
12.0	75.5	37.6	98 200
13.0	73.9	37.3	85 400
14.0	72.2	37.0	75 000
15.0	70.5	36.6	66 400
16.0	68.9	36.2	59 100
18.0	65.4	35.3	47 700
20.0	61.9	34.3	39 000
22.0	58.2	33.1	32 100
24.0	54.4	31.7	26 600
26.0	50.4	30.0	22 100
28.0	46.1	28.2	18 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	140 100 *
8.0	82.6	41.6	139 900 *
8.5	81.8	41.5	138 300 *
9.0	81.1	41.4	136 800 *
10.0	79.6	41.3	132 500
11.0	78.1	41.0	114 900
12.0	76.6	40.8	98 600
13.0	75.1	40.5	85 800
14.0	73.6	40.2	75 400
15.0	72.1	39.9	66 800
16.0	70.6	39.5	59 500
18.0	67.4	38.7	48 100
20.0	64.2	37.7	39 400
22.0	60.9	36.6	32 500
24.0	57.5	35.4	27 100
26.0	54.0	34.0	22 500
28.0	50.3	32.3	18 700
30.0	46.3	30.5	15 500
32.0	42.0	28.3	12 700
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	135 900 *
8.5	82.4	44.6	135 100 *
9.0	81.7	44.5	133 800 *
10.0	80.4	44.4	130 500
11.0	79.0	44.2	115 200
12.0	77.6	43.9	98 900
13.0	76.2	43.7	86 000
14.0	74.8	43.4	75 600
15.0	73.4	43.1	67 000
16.0	72.0	42.8	59 700
18.0	69.1	42.0	48 200
20.0	66.2	41.1	39 500
22.0	63.2	40.1	32 600
24.0	60.1	39.0	27 100
26.0	56.9	37.7	22 600
28.0	53.6	36.3	18 800
30.0	50.2	34.6	15 500
32.0	46.5	32.8	12 800

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

33.5m (110 Ft.) Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	118 100 *
9.0	82.3	47.6	116 700 *
10.0	81.0	47.5	113 700 *
11.0	79.7	47.3	108 300 *
12.0	78.5	47.1	99 700
13.0	77.2	46.8	86 100
14.0	75.9	46.6	75 700
15.0	74.6	46.3	67 100
16.0	73.3	46.0	59 800
18.0	70.6	45.3	48 300
20.0	67.9	44.5	39 500
22.0	65.2	43.6	32 700
24.0	62.3	42.5	27 200
26.0	59.4	41.4	22 700
28.0	56.4	40.0	18 800
30.0	53.3	38.6	15 600
32.0	50.1	36.9	12 800
34.0	46.7	35.1	10 400
36.0	43.0	33.0	8 300
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	114 000 *
9.0	82.8	50.7	113 600 *
10.0	81.6	50.6	109 300 *
11.0	80.4	50.4	103 500 *
12.0	79.2	50.2	97 800
13.0	78.0	50.0	86 200
14.0	76.8	49.7	75 800
15.0	75.6	49.4	67 100
16.0	74.3	49.2	59 800
18.0	71.9	48.5	48 300
20.0	69.4	47.8	39 600
22.0	66.8	46.9	32 700
24.0	64.2	46.0	27 200
26.0	61.5	44.9	22 600
28.0	58.8	43.7	18 800
30.0	56.0	42.4	15 600
32.0	53.1	40.9	12 800
34.0	50.0	39.2	10 300
36.0	46.8	37.4	8 200
38.0	43.4	35.3	6 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	109 900 *
10.0	82.1	53.6	104 800 *
11.0	81.0	53.5	99 200 *
12.0	79.8	53.3	94 100 *
13.0	78.7	53.1	86 700
14.0	77.6	52.9	75 900
15.0	76.4	52.6	67 300
16.0	75.3	52.3	59 900
18.0	73.0	51.7	48 400
20.0	70.6	51.0	39 700
22.0	68.3	50.2	32 800
24.0	65.8	49.4	27 300
26.0	63.4	48.4	22 800
28.0	60.8	47.3	18 900
30.0	58.3	46.0	15 700
32.0	55.6	44.7	12 900
34.0	52.8	43.2	10 500
36.0	50.0	41.5	8 400
38.0	47.0	39.7	6 500
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	101 000 *
10.0	82.5	56.7	99 700 *
11.0	81.5	56.6	94 300 *
12.0	80.4	56.4	89 300 *
13.0	79.3	56.2	84 400
14.0	78.3	56.0	76 000
15.0	77.2	55.7	67 300
16.0	76.1	55.5	59 900
18.0	74.0	54.9	48 400
20.0	71.8	54.3	39 600
22.0	69.5	53.5	32 800
24.0	67.3	52.7	27 200
26.0	65.0	51.8	22 700
28.0	62.6	50.7	18 800
30.0	60.2	49.6	15 600
32.0	57.8	48.4	12 800
34.0	55.2	47.0	10 400
36.0	52.6	45.5	8 200
38.0	49.9	43.8	6 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	86 900 *
11.0	81.9	59.7	84 500 *
12.0	80.9	59.5	81 000 *
13.0	79.9	59.3	77 600 *
14.0	78.9	59.1	74 100 *
15.0	77.9	58.9	67 500
16.0	76.9	58.6	59 900
18.0	74.8	58.1	48 300
20.0	72.8	57.5	39 600
22.0	70.7	56.8	32 700
24.0	68.5	56.0	27 100
26.0	66.4	55.1	22 600
28.0	64.2	54.2	18 700
30.0	61.9	53.1	15 500
32.0	59.7	52.0	12 700
34.0	57.3	50.7	10 300
36.0	54.9	49.3	8 100
38.0	52.4	47.8	6 300
61.0m (200 Ft.) BOOM			
10.4	82.9	62.8	81 600 *
11.0	82.3	62.7	79 700 *
12.0	81.4	62.6	76 300 *
13.0	80.4	62.4	73 000 *
14.0	79.5	62.2	69 700 *
15.0	78.5	62.0	66 300
16.0	77.5	61.8	61 000
18.0	75.6	61.3	48 300
20.0	73.6	60.7	39 500
22.0	71.7	60.0	32 600
24.0	69.7	59.3	27 000
26.0	67.6	58.5	22 400
28.0	65.6	57.6	18 600
30.0	63.5	56.6	15 400
32.0	61.3	55.5	12 600
34.0	59.2	54.3	10 200
36.0	56.9	53.0	8 000
38.0	54.6	51.6	6 100



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

36.6m (120 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	215 500 *
6.5	81.4	26.4	213 300 *
7.0	80.2	26.3	210 600 *
7.5	79.0	26.2	197 900 *
8.0	77.8	26.1	184 600 *
8.5	76.6	26.0	173 100 *
9.0	75.4	25.8	162 200
10.0	72.9	25.5	134 300
11.0	70.4	25.1	112 800
12.0	67.8	24.7	96 400
13.0	65.2	24.2	83 500
14.0	62.6	23.7	72 900
15.0	59.8	23.1	64 200
16.0	57.0	22.4	56 800
18.0	51.1	20.8	45 200
20.0	44.5	18.9	36 400
22.0	37.0	16.4	28 400
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	210 000 *
6.5	82.4	29.5	209 300 *
7.0	81.3	29.4	206 200 *
7.5	80.3	29.3	198 700 *
8.0	79.2	29.2	185 000 *
8.5	78.1	29.1	173 400 *
9.0	77.0	29.0	162 800
10.0	74.9	28.7	135 300
11.0	72.7	28.4	113 900
12.0	70.4	28.0	97 400
13.0	68.2	27.6	84 400
14.0	65.9	27.1	73 900
15.0	63.5	26.6	65 200
16.0	61.1	26.0	57 800
18.0	56.1	24.7	46 200
20.0	50.8	23.1	37 400
22.0	45.0	21.2	30 400
24.0	38.5	18.8	24 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	200 000 *
7.0	82.2	32.5	198 300 *
7.5	81.2	32.4	195 300 *
8.0	80.3	32.3	185 100 *
8.5	79.3	32.2	173 500 *
9.0	78.4	32.1	163 200 *
10.0	76.4	31.9	136 200
11.0	74.5	31.6	114 700
12.0	72.5	31.2	98 200
13.0	70.5	30.9	85 200
14.0	68.5	30.5	74 600
15.0	66.4	30.0	65 800
16.0	64.3	29.5	58 400
18.0	60.0	28.4	46 800
20.0	55.4	27.0	37 900
22.0	50.6	25.4	31 000
24.0	45.4	23.5	25 400
26.0	39.7	21.2	20 700
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	154 300 *
7.5	82.0	35.5	152 100 *
8.0	81.2	35.4	150 000 *
8.5	80.3	35.3	148 000 *
9.0	79.4	35.2	146 000 *
10.0	77.7	35.0	138 700
11.0	75.9	34.7	115 300
12.0	74.1	34.4	98 800
13.0	72.3	34.1	85 800
14.0	70.5	33.8	75 200
15.0	68.7	33.3	66 400
16.0	66.8	32.9	59 000
18.0	63.0	31.9	47 300
20.0	59.0	30.7	38 500
22.0	54.9	29.3	31 500
24.0	50.5	27.7	25 900
26.0	45.8	25.8	21 300
28.0	40.6	23.6	17 400
30.0	34.9	20.9	13 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	149 000 *
7.5	82.7	38.6	148 400 *
8.0	81.9	38.5	146 600 *
8.5	81.1	38.4	144 900 *
9.0	80.3	38.3	143 300 *
10.0	78.7	38.1	137 300
11.0	77.1	37.9	115 800
12.0	75.5	37.6	99 200
13.0	73.9	37.3	86 200
14.0	72.2	37.0	75 500
15.0	70.5	36.6	66 800
16.0	68.9	36.2	59 400
18.0	65.4	35.3	47 700
20.0	61.9	34.3	38 800
22.0	58.2	33.1	31 800
24.0	54.4	31.7	26 200
26.0	50.4	30.0	21 600
28.0	46.1	28.2	17 700
30.0	41.4	26.0	14 400
32.0	36.3	23.4	11 400
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	143 200 *
8.0	82.6	41.6	143 000 *
8.5	81.8	41.5	141 300 *
9.0	81.1	41.4	139 600 *
10.0	79.6	41.3	134 800
11.0	78.1	41.0	116 300
12.0	76.6	40.8	99 700
13.0	75.1	40.5	86 600
14.0	73.6	40.2	76 000
15.0	72.1	39.9	67 300
16.0	70.6	39.5	59 900
18.0	67.4	38.7	48 200
20.0	64.2	37.7	39 300
22.0	60.9	36.6	32 300
24.0	57.5	35.4	26 700
26.0	54.0	34.0	22 100
28.0	50.3	32.3	18 200
30.0	46.3	30.5	14 900
32.0	42.0	28.3	12 100
34.0	37.4	25.8	9 400

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

36.6m (120 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	139 000 *
8.5	82.4	44.6	138 200 *
9.0	81.7	44.5	136 700 *
10.0	80.4	44.4	133 000
11.0	79.0	44.2	116 600
12.0	77.6	43.9	100 000
13.0	76.2	43.7	86 900
14.0	74.8	43.4	76 300
15.0	73.4	43.1	67 500
16.0	72.0	42.8	60 100
18.0	69.1	42.0	48 300
20.0	66.2	41.1	39 500
22.0	63.2	40.1	32 500
24.0	60.1	39.0	26 900
26.0	56.9	37.7	22 200
28.0	53.6	36.3	18 300
30.0	50.2	34.6	15 000
32.0	46.5	32.8	12 200
34.0	42.6	30.7	9 700
36.0	38.3	28.2	7 200
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	121 500 *
9.0	82.3	47.6	120 100 *
10.0	81.0	47.5	116 800 *
11.0	79.7	47.3	111 400
12.0	78.5	47.1	100 800
13.0	77.2	46.8	87 100
14.0	75.9	46.6	76 400
15.0	74.6	46.3	67 600
16.0	73.3	46.0	60 200
18.0	70.6	45.3	48 500
20.0	67.9	44.5	39 600
22.0	65.2	43.6	32 600
24.0	62.3	42.5	27 000
26.0	59.4	41.4	22 300
28.0	56.4	40.0	18 500
30.0	53.3	38.6	15 100
32.0	50.1	36.9	12 300
34.0	46.7	35.1	9 800
36.0	43.0	33.0	7 700
38.0	39.1	30.6	5 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	117 400 *
9.0	82.8	50.7	117 000 *
10.0	81.6	50.6	113 300 *
11.0	80.4	50.4	107 100 *
12.0	79.2	50.2	99 900
13.0	78.0	50.0	87 200
14.0	76.8	49.7	76 600
15.0	75.6	49.4	67 800
16.0	74.3	49.2	60 300
18.0	71.9	48.5	48 600
20.0	69.4	47.8	39 700
22.0	66.8	46.9	32 700
24.0	64.2	46.0	27 000
26.0	61.5	44.9	22 400
28.0	58.8	43.7	18 500
30.0	56.0	42.4	15 100
32.0	53.1	40.9	12 300
34.0	50.0	39.2	9 800
36.0	46.8	37.4	7 700
38.0	43.4	35.3	5 700
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	113 500 *
10.0	82.1	53.6	109 100 *
11.0	81.0	53.5	103 100 *
12.0	79.8	53.3	97 700 *
13.0	78.7	53.1	87 500
14.0	77.6	52.9	76 800
15.0	76.4	52.6	67 900
16.0	75.3	52.3	60 500
18.0	73.0	51.7	48 700
20.0	70.6	51.0	39 800
22.0	68.3	50.2	32 800
24.0	65.8	49.4	27 200
26.0	63.4	48.4	22 500
28.0	60.8	47.3	18 600
30.0	58.3	46.0	15 300
32.0	55.6	44.7	12 500
34.0	52.8	43.2	10 000
36.0	50.0	41.5	7 800
38.0	47.0	39.7	5 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	105 600 *
10.0	82.5	56.7	104 100 *
11.0	81.5	56.6	98 500 *
12.0	80.4	56.4	93 100 *
13.0	79.3	56.2	87 400
14.0	78.3	56.0	76 800
15.0	77.2	55.7	68 000
16.0	76.1	55.5	60 500
18.0	74.0	54.9	48 800
20.0	71.8	54.3	39 800
22.0	69.5	53.5	32 800
24.0	67.3	52.7	27 200
26.0	65.0	51.8	22 500
28.0	62.6	50.7	18 600
30.0	60.2	49.6	15 300
32.0	57.8	48.4	12 400
34.0	55.2	47.0	10 000
36.0	52.6	45.5	7 800
38.0	49.9	43.8	5 800
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	90 800 *
11.0	81.9	59.7	88 200 *
12.0	80.9	59.5	84 400 *
13.0	79.9	59.3	80 800 *
14.0	78.9	59.1	76 800
15.0	77.9	58.9	68 000
16.0	76.9	58.6	60 500
18.0	74.8	58.1	48 700
20.0	72.8	57.5	39 800
22.0	70.7	56.8	32 800
24.0	68.5	56.0	27 100
26.0	66.4	55.1	22 400
28.0	64.2	54.2	18 600
30.0	61.9	53.1	15 200
32.0	59.7	52.0	12 400
34.0	57.3	50.7	9 900
36.0	54.9	49.3	7 700
38.0	52.4	47.8	5 800



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

36.6m (120 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
10.4	82.9	62.8	81 600 *
11.0	82.3	62.7	81 600 *
12.0	81.4	62.6	80 200 *
13.0	80.4	62.4	76 500 *
14.0	79.5	62.2	73 000 *
15.0	78.5	62.0	68 300
16.0	77.5	61.8	60 600
18.0	75.6	61.3	48 700
20.0	73.6	60.7	39 700
22.0	71.7	60.0	32 700
24.0	69.7	59.3	27 000
26.0	67.6	58.5	22 400
28.0	65.6	57.6	18 500
30.0	63.5	56.6	15 100
32.0	61.3	55.5	12 300
34.0	59.2	54.3	9 800
36.0	56.9	53.0	7 600
38.0	54.6	51.6	5 700

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

39.6m (130 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	214 000 *
6.5	81.4	26.4	211 600 *
7.0	80.2	26.3	208 400 *
7.5	79.0	26.2	196 800 *
8.0	77.8	26.1	183 500 *
8.5	76.6	26.0	171 900 *
9.0	75.4	25.8	160 700 *
10.0	72.9	25.5	132 500 *
11.0	70.4	25.1	111 200 *
12.0	67.8	24.7	94 800 *
13.0	65.2	24.2	81 900 *
14.0	62.6	23.7	71 500 *
15.0	59.8	23.1	62 800 *
16.0	57.0	22.4	55 500 *
18.0	51.1	20.8	43 900 *
20.0	44.5	18.9	35 200 *
22.0	37.0	16.4	27 100 *
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	208 100 *
6.5	82.4	29.5	207 500 *
7.0	81.3	29.4	204 200 *
7.5	80.3	29.3	197 700 *
8.0	79.2	29.2	183 900 *
8.5	78.1	29.1	172 300 *
9.0	77.0	29.0	161 500 *
10.0	74.9	28.7	133 700 *
11.0	72.7	28.4	112 300 *
12.0	70.4	28.0	96 000 *
13.0	68.2	27.6	83 000 *
14.0	65.9	27.1	72 500 *
15.0	63.5	26.6	63 900 *
16.0	61.1	26.0	56 500 *
18.0	56.1	24.7	45 000 *
20.0	50.8	23.1	36 200 *
22.0	45.0	21.2	29 300 *
24.0	38.5	18.8	23 700 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	198 400 *
7.0	82.2	32.5	196 500 *
7.5	81.2	32.4	193 500 *
8.0	80.3	32.3	184 100 *
8.5	79.3	32.2	172 500 *
9.0	78.4	32.1	162 000 *
10.0	76.4	31.9	134 600 *
11.0	74.5	31.6	113 200 *
12.0	72.5	31.2	96 800 *
13.0	70.5	30.9	83 800 *
14.0	68.5	30.5	73 300 *
15.0	66.4	30.0	64 600 *
16.0	64.3	29.5	57 200 *
18.0	60.0	28.4	45 600 *
20.0	55.4	27.0	36 900 *
22.0	50.6	25.4	29 900 *
24.0	45.4	23.5	24 300 *
26.0	39.7	21.2	19 700 *
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	153 200 *
7.5	82.0	35.5	150 900 *
8.0	81.2	35.4	148 800 *
8.5	80.3	35.3	146 800 *
9.0	79.4	35.2	144 800 *
10.0	77.7	35.0	137 200 *
11.0	75.9	34.7	113 900 *
12.0	74.1	34.4	97 400 *
13.0	72.3	34.1	84 400 *
14.0	70.5	33.8	73 900 *
15.0	68.7	33.3	65 200 *
16.0	66.8	32.9	57 900 *
18.0	63.0	31.9	46 200 *
20.0	59.0	30.7	37 400 *
22.0	54.9	29.3	30 500 *
24.0	50.5	27.7	24 900 *
26.0	45.8	25.8	20 300 *
28.0	40.6	23.6	16 500 *
30.0	34.9	20.9	12 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	148 200 *
7.5	82.7	38.6	147 500 *
8.0	81.9	38.5	145 700 *
8.5	81.1	38.4	144 000 *
9.0	80.3	38.3	142 400 *
10.0	78.7	38.1	136 300 *
11.0	77.1	37.9	114 400 *
12.0	75.5	37.6	97 900 *
13.0	73.9	37.3	84 900 *
14.0	72.2	37.0	74 400 *
15.0	70.5	36.6	65 700 *
16.0	68.9	36.2	58 300 *
18.0	65.4	35.3	46 700 *
20.0	61.9	34.3	37 800 *
22.0	58.2	33.1	30 900 *
24.0	54.4	31.7	25 300 *
26.0	50.4	30.0	20 700 *
28.0	46.1	28.2	16 800 *
30.0	41.4	26.0	13 500 *
32.0	36.3	23.4	10 300 *
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	142 200 *
8.0	82.6	41.6	141 900 *
8.5	81.8	41.5	140 200 *
9.0	81.1	41.4	138 600 *
10.0	79.6	41.3	133 700 *
11.0	78.1	41.0	115 000 *
12.0	76.6	40.8	98 500 *
13.0	75.1	40.5	85 400 *
14.0	73.6	40.2	74 900 *
15.0	72.1	39.9	66 200 *
16.0	70.6	39.5	58 800 *
18.0	67.4	38.7	47 200 *
20.0	64.2	37.7	38 400 *
22.0	60.9	36.6	31 400 *
24.0	57.5	35.4	25 800 *
26.0	54.0	34.0	21 200 *
28.0	50.3	32.3	17 400 *
30.0	46.3	30.5	14 100 *
32.0	42.0	28.3	11 200 *
34.0	37.4	25.8	8 400 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

39.6m (130 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	138 000 *
8.5	82.4	44.6	137 200 *
9.0	81.7	44.5	135 700 *
10.0	80.4	44.4	131 800
11.0	79.0	44.2	115 300
12.0	77.6	43.9	98 800
13.0	76.2	43.7	85 800
14.0	74.8	43.4	75 200
15.0	73.4	43.1	66 400
16.0	72.0	42.8	59 000
18.0	69.1	42.0	47 400
20.0	66.2	41.1	38 500
22.0	63.2	40.1	31 600
24.0	60.1	39.0	26 000
26.0	56.9	37.7	21 400
28.0	53.6	36.3	17 500
30.0	50.2	34.6	14 200
32.0	46.5	32.8	11 400
34.0	42.6	30.7	8 900
36.0	38.3	28.2	6 200 *
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	120 500 *
9.0	82.3	47.6	119 100 *
10.0	81.0	47.5	115 800 *
11.0	79.7	47.3	110 300
12.0	78.5	47.1	99 700
13.0	77.2	46.8	86 000
14.0	75.9	46.6	75 400
15.0	74.6	46.3	66 600
16.0	73.3	46.0	59 200
18.0	70.6	45.3	47 600
20.0	67.9	44.5	38 700
22.0	65.2	43.6	31 800
24.0	62.3	42.5	26 200
26.0	59.4	41.4	21 500
28.0	56.4	40.0	17 700
30.0	53.3	38.6	14 400
32.0	50.1	36.9	11 600
34.0	46.7	35.1	9 100
36.0	43.0	33.0	6 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	116 400 *
9.0	82.8	50.7	116 000 *
10.0	81.6	50.6	112 200 *
11.0	80.4	50.4	105 900 *
12.0	79.2	50.2	98 700
13.0	78.0	50.0	86 200
14.0	76.8	49.7	75 500
15.0	75.6	49.4	66 800
16.0	74.3	49.2	59 400
18.0	71.9	48.5	47 700
20.0	69.4	47.8	38 800
22.0	66.8	46.9	31 800
24.0	64.2	46.0	26 200
26.0	61.5	44.9	21 600
28.0	58.8	43.7	17 700
30.0	56.0	42.4	14 400
32.0	53.1	40.9	11 600
34.0	50.0	39.2	9 100
36.0	46.8	37.4	7 000
38.0	43.4	35.3	4 800
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	112 600 *
10.0	82.1	53.6	108 000 *
11.0	81.0	53.5	101 900 *
12.0	79.8	53.3	96 500 *
13.0	78.7	53.1	86 500
14.0	77.6	52.9	75 700
15.0	76.4	52.6	67 000
16.0	75.3	52.3	59 600
18.0	73.0	51.7	47 800
20.0	70.6	51.0	39 000
22.0	68.3	50.2	32 000
24.0	65.8	49.4	26 400
26.0	63.4	48.4	21 800
28.0	60.8	47.3	17 900
30.0	58.3	46.0	14 600
32.0	55.6	44.7	11 800
34.0	52.8	43.2	9 300
36.0	50.0	41.5	7 200
38.0	47.0	39.7	5 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	104 500 *
10.0	82.5	56.7	103 000 *
11.0	81.5	56.6	97 300 *
12.0	80.4	56.4	92 000 *
13.0	79.3	56.2	86 400
14.0	78.3	56.0	75 900
15.0	77.2	55.7	67 000
16.0	76.1	55.5	59 600
18.0	74.0	54.9	47 900
20.0	71.8	54.3	39 000
22.0	69.5	53.5	32 000
24.0	67.3	52.7	26 400
26.0	65.0	51.8	21 800
28.0	62.6	50.7	17 900
30.0	60.2	49.6	14 600
32.0	57.8	48.4	11 700
34.0	55.2	47.0	9 300
36.0	52.6	45.5	7 100
38.0	49.9	43.8	5 200
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	89 700 *
11.0	81.9	59.7	87 200 *
12.0	80.9	59.5	83 400 *
13.0	79.9	59.3	79 800 *
14.0	78.9	59.1	75 800
15.0	77.9	58.9	67 100
16.0	76.9	58.6	59 600
18.0	74.8	58.1	47 900
20.0	72.8	57.5	39 000
22.0	70.7	56.8	32 000
24.0	68.5	56.0	26 400
26.0	66.4	55.1	21 800
28.0	64.2	54.2	17 900
30.0	61.9	53.1	14 600
32.0	59.7	52.0	11 700
34.0	57.3	50.7	9 200
36.0	54.9	49.3	7 100
38.0	52.4	47.8	5 200



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

39.6m (130 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
10.4	82.9	62.8	81 600 *
11.0	82.3	62.7	81 500 *
12.0	81.4	62.6	79 100 *
13.0	80.4	62.4	75 400 *
14.0	79.5	62.2	72 000 *
15.0	78.5	62.0	67 300
16.0	77.5	61.8	59 700
18.0	75.6	61.3	47 800
20.0	73.6	60.7	39 000
22.0	71.7	60.0	31 900
24.0	69.7	59.3	26 300
26.0	67.6	58.5	21 700
28.0	65.6	57.6	17 800
30.0	63.5	56.6	14 500
32.0	61.3	55.5	11 700
34.0	59.2	54.3	9 100
36.0	56.9	53.0	7 000
38.0	54.6	51.6	5 100



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

42.7m (140 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	211 500 *
6.5	81.4	26.4	208 700 *
7.0	80.2	26.3	205 400 *
7.5	79.0	26.2	195 400 *
8.0	77.8	26.1	181 900 *
8.5	76.6	26.0	170 300 *
9.0	75.4	25.8	158 900
10.0	72.9	25.5	130 300
11.0	70.4	25.1	109 100
12.0	67.8	24.7	92 800
13.0	65.2	24.2	80 000
14.0	62.6	23.7	69 600
15.0	59.8	23.1	60 900
16.0	57.0	22.4	53 700
18.0	51.1	20.8	42 100
20.0	44.5	18.9	33 500
22.0	37.0	16.4	25 300
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	205 500 *
6.5	82.4	29.5	204 900 *
7.0	81.3	29.4	201 500 *
7.5	80.3	29.3	195 700 *
8.0	79.2	29.2	182 400 *
8.5	78.1	29.1	170 800 *
9.0	77.0	29.0	159 700
10.0	74.9	28.7	131 600
11.0	72.7	28.4	110 400
12.0	70.4	28.0	94 100
13.0	68.2	27.6	81 200
14.0	65.9	27.1	70 800
15.0	63.5	26.6	62 100
16.0	61.1	26.0	54 800
18.0	56.1	24.7	43 300
20.0	50.8	23.1	34 600
22.0	45.0	21.2	27 700
24.0	38.5	18.8	22 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	195 900 *
7.0	82.2	32.5	194 000 *
7.5	81.2	32.4	191 000 *
8.0	80.3	32.3	182 800 *
8.5	79.3	32.2	171 100 *
9.0	78.4	32.1	160 300
10.0	76.4	31.9	132 600
11.0	74.5	31.6	111 300
12.0	72.5	31.2	95 000
13.0	70.5	30.9	82 100
14.0	68.5	30.5	71 600
15.0	66.4	30.0	63 000
16.0	64.3	29.5	55 600
18.0	60.0	28.4	44 100
20.0	55.4	27.0	35 400
22.0	50.6	25.4	28 400
24.0	45.4	23.5	22 900
26.0	39.7	21.2	18 300
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	151 500 *
7.5	82.0	35.5	149 300 *
8.0	81.2	35.4	147 100 *
8.5	80.3	35.3	145 100 *
9.0	79.4	35.2	143 100 *
10.0	77.7	35.0	135 200
11.0	75.9	34.7	112 100
12.0	74.1	34.4	95 700
13.0	72.3	34.1	82 800
14.0	70.5	33.8	72 300
15.0	68.7	33.3	63 600
16.0	66.8	32.9	56 300
18.0	63.0	31.9	44 800
20.0	59.0	30.7	36 000
22.0	54.9	29.3	29 100
24.0	50.5	27.7	23 600
26.0	45.8	25.8	19 000
28.0	40.6	23.6	15 100
30.0	34.9	20.9	11 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	146 900 *
7.5	82.7	38.6	146 200 *
8.0	81.9	38.5	144 400 *
8.5	81.1	38.4	142 700 *
9.0	80.3	38.3	141 000 *
10.0	78.7	38.1	134 800
11.0	77.1	37.9	112 700
12.0	75.5	37.6	96 300
13.0	73.9	37.3	83 300
14.0	72.2	37.0	72 800
15.0	70.5	36.6	64 100
16.0	68.9	36.2	56 800
18.0	65.4	35.3	45 200
20.0	61.9	34.3	36 400
22.0	58.2	33.1	29 500
24.0	54.4	31.7	24 000
26.0	50.4	30.0	19 400
28.0	46.1	28.2	15 500
30.0	41.4	26.0	12 300
32.0	36.3	23.4	8 700
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	140 700 *
8.0	82.6	41.6	140 400 *
8.5	81.8	41.5	138 600 *
9.0	81.1	41.4	137 000 *
10.0	79.6	41.3	132 000
11.0	78.1	41.0	113 300
12.0	76.6	40.8	96 900
13.0	75.1	40.5	83 900
14.0	73.6	40.2	73 400
15.0	72.1	39.9	64 700
16.0	70.6	39.5	57 400
18.0	67.4	38.7	45 800
20.0	64.2	37.7	37 000
22.0	60.9	36.6	30 100
24.0	57.5	35.4	24 500
26.0	54.0	34.0	20 000
28.0	50.3	32.3	16 100
30.0	46.3	30.5	12 900
32.0	42.0	28.3	10 100
34.0	37.4	25.8	6 800 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

42.7m (140 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	136 500 *
8.5	82.4	44.6	135 600 *
9.0	81.7	44.5	134 100 *
10.0	80.4	44.4	130 300
11.0	79.0	44.2	113 700
12.0	77.6	43.9	97 200
13.0	76.2	43.7	84 200
14.0	74.8	43.4	73 700
15.0	73.4	43.1	65 000
16.0	72.0	42.8	57 700
18.0	69.1	42.0	46 100
20.0	66.2	41.1	37 300
22.0	63.2	40.1	30 300
24.0	60.1	39.0	24 800
26.0	56.9	37.7	20 200
28.0	53.6	36.3	16 300
30.0	50.2	34.6	13 000
32.0	46.5	32.8	10 300
34.0	42.6	30.7	7 700
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	119 100 *
9.0	82.3	47.6	117 600 *
10.0	81.0	47.5	114 300 *
11.0	79.7	47.3	108 600
12.0	78.5	47.1	98 100
13.0	77.2	46.8	84 500
14.0	75.9	46.6	74 000
15.0	74.6	46.3	65 300
16.0	73.3	46.0	57 900
18.0	70.6	45.3	46 200
20.0	67.9	44.5	37 400
22.0	65.2	43.6	30 500
24.0	62.3	42.5	24 900
26.0	59.4	41.4	20 300
28.0	56.4	40.0	16 500
30.0	53.3	38.6	13 200
32.0	50.1	36.9	10 400
34.0	46.7	35.1	8 000
36.0	43.0	33.0	5 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	115 000 *
9.0	82.8	50.7	114 600 *
10.0	81.6	50.6	110 500 *
11.0	80.4	50.4	104 300 *
12.0	79.2	50.2	97 200
13.0	78.0	50.0	84 700
14.0	76.8	49.7	74 200
15.0	75.6	49.4	65 400
16.0	74.3	49.2	58 000
18.0	71.9	48.5	46 400
20.0	69.4	47.8	37 600
22.0	66.8	46.9	30 600
24.0	64.2	46.0	25 000
26.0	61.5	44.9	20 400
28.0	58.8	43.7	16 600
30.0	56.0	42.4	13 300
32.0	53.1	40.9	10 500
34.0	50.0	39.2	8 100
36.0	46.8	37.4	5 900
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	111 200 *
10.0	82.1	53.6	106 300 *
11.0	81.0	53.5	100 300 *
12.0	79.8	53.3	94 900 *
13.0	78.7	53.1	85 100
14.0	77.6	52.9	74 400
15.0	76.4	52.6	65 600
16.0	75.3	52.3	58 300
18.0	73.0	51.7	46 600
20.0	70.6	51.0	37 800
22.0	68.3	50.2	30 800
24.0	65.8	49.4	25 200
26.0	63.4	48.4	20 700
28.0	60.8	47.3	16 800
30.0	58.3	46.0	13 500
32.0	55.6	44.7	10 700
34.0	52.8	43.2	8 300
36.0	50.0	41.5	6 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	102 800 *
10.0	82.5	56.7	101 300 *
11.0	81.5	56.6	95 600 *
12.0	80.4	56.4	90 400 *
13.0	79.3	56.2	84 800
14.0	78.3	56.0	74 500
15.0	77.2	55.7	65 700
16.0	76.1	55.5	58 300
18.0	74.0	54.9	46 700
20.0	71.8	54.3	37 800
22.0	69.5	53.5	30 900
24.0	67.3	52.7	25 300
26.0	65.0	51.8	20 700
28.0	62.6	50.7	16 800
30.0	60.2	49.6	13 500
32.0	57.8	48.4	10 700
34.0	55.2	47.0	8 200
36.0	52.6	45.5	6 100
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	88 200 *
11.0	81.9	59.7	85 700 *
12.0	80.9	59.5	81 900 *
13.0	79.9	59.3	78 300 *
14.0	78.9	59.1	74 400
15.0	77.9	58.9	65 800
16.0	76.9	58.6	58 400
18.0	74.8	58.1	46 700
20.0	72.8	57.5	37 800
22.0	70.7	56.8	30 900
24.0	68.5	56.0	25 300
26.0	66.4	55.1	20 700
28.0	64.2	54.2	16 800
30.0	61.9	53.1	13 500
32.0	59.7	52.0	10 700
34.0	57.3	50.7	8 200
36.0	54.9	49.3	6 100



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

42.7m (140 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
10.4	82.9	62.8	81 600 *
11.0	82.3	62.7	81 200 *
12.0	81.4	62.6	77 500 *
13.0	80.4	62.4	74 000 *
14.0	79.5	62.2	70 600 *
15.0	78.5	62.0	66 000
16.0	77.5	61.8	58 600
18.0	75.6	61.3	46 700
20.0	73.6	60.7	37 800
22.0	71.7	60.0	30 900
24.0	69.7	59.3	25 200
26.0	67.6	58.5	20 600
28.0	65.6	57.6	16 700
30.0	63.5	56.6	13 400
32.0	61.3	55.5	10 600
34.0	59.2	54.3	8 200
36.0	56.9	53.0	6 000

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

45.7m (150 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	208 800 *
6.5	81.4	26.4	206 000 *
7.0	80.2	26.3	202 600 *
7.5	79.0	26.2	194 000 *
8.0	77.8	26.1	180 300 *
8.5	76.6	26.0	168 800 *
9.0	75.4	25.8	157 000
10.0	72.9	25.5	128 000
11.0	70.4	25.1	106 900
12.0	67.8	24.7	90 800
13.0	65.2	24.2	78 000
14.0	62.6	23.7	67 600
15.0	59.8	23.1	59 100
16.0	57.0	22.4	51 800
18.0	51.1	20.8	40 400
20.0	44.5	18.9	31 700
22.0	37.0	16.4	23 400 *
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	203 100 *
6.5	82.4	29.5	202 400 *
7.0	81.3	29.4	199 000 *
7.5	80.3	29.3	193 600 *
8.0	79.2	29.2	180 900 *
8.5	78.1	29.1	169 300 *
9.0	77.0	29.0	157 900
10.0	74.9	28.7	129 500
11.0	72.7	28.4	108 400
12.0	70.4	28.0	92 100
13.0	68.2	27.6	79 300
14.0	65.9	27.1	69 000
15.0	63.5	26.6	60 400
16.0	61.1	26.0	53 100
18.0	56.1	24.7	41 700
20.0	50.8	23.1	33 000
22.0	45.0	21.2	26 200
24.0	38.5	18.8	20 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	193 600 *
7.0	82.2	32.5	191 700 *
7.5	81.2	32.4	188 600 *
8.0	80.3	32.3	181 400 *
8.5	79.3	32.2	169 600 *
9.0	78.4	32.1	158 500
10.0	76.4	31.9	130 500
11.0	74.5	31.6	109 400
12.0	72.5	31.2	93 100
13.0	70.5	30.9	80 300
14.0	68.5	30.5	69 900
15.0	66.4	30.0	61 300
16.0	64.3	29.5	54 000
18.0	60.0	28.4	42 500
20.0	55.4	27.0	33 800
22.0	50.6	25.4	27 000
24.0	45.4	23.5	21 500
26.0	39.7	21.2	16 900
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	150 000 *
7.5	82.0	35.5	147 800 *
8.0	81.2	35.4	145 500 *
8.5	80.3	35.3	143 500 *
9.0	79.4	35.2	141 500 *
10.0	77.7	35.0	133 200
11.0	75.9	34.7	110 300
12.0	74.1	34.4	93 900
13.0	72.3	34.1	81 100
14.0	70.5	33.8	70 700
15.0	68.7	33.3	62 100
16.0	66.8	32.9	54 800
18.0	63.0	31.9	43 300
20.0	59.0	30.7	34 600
22.0	54.9	29.3	27 700
24.0	50.5	27.7	22 200
26.0	45.8	25.8	17 700
28.0	40.6	23.6	13 700
30.0	34.9	20.9	9 300 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	145 700 *
7.5	82.7	38.6	145 000 *
8.0	81.9	38.5	143 200 *
8.5	81.1	38.4	141 400 *
9.0	80.3	38.3	139 700 *
10.0	78.7	38.1	133 300
11.0	77.1	37.9	110 900
12.0	75.5	37.6	94 600
13.0	73.9	37.3	81 700
14.0	72.2	37.0	71 200
15.0	70.5	36.6	62 600
16.0	68.9	36.2	55 300
18.0	65.4	35.3	43 800
20.0	61.9	34.3	35 000
22.0	58.2	33.1	28 200
24.0	54.4	31.7	22 700
26.0	50.4	30.0	18 100
28.0	46.1	28.2	14 300
30.0	41.4	26.0	10 900
32.0	36.3	23.4	7 100 *
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	139 200 *
8.0	82.6	41.6	138 900 *
8.5	81.8	41.5	137 200 *
9.0	81.1	41.4	135 500 *
10.0	79.6	41.3	130 500
11.0	78.1	41.0	111 500
12.0	76.6	40.8	95 200
13.0	75.1	40.5	82 300
14.0	73.6	40.2	71 900
15.0	72.1	39.9	63 200
16.0	70.6	39.5	55 900
18.0	67.4	38.7	44 400
20.0	64.2	37.7	35 700
22.0	60.9	36.6	28 800
24.0	57.5	35.4	23 300
26.0	54.0	34.0	18 800
28.0	50.3	32.3	14 900
30.0	46.3	30.5	11 700
32.0	42.0	28.3	8 800



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

45.7m (150 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	135 100 *
8.5	82.4	44.6	134 200 *
9.0	81.7	44.5	132 700 *
10.0	80.4	44.4	128 700
11.0	79.0	44.2	112 000
12.0	77.6	43.9	95 600
13.0	76.2	43.7	82 700
14.0	74.8	43.4	72 300
15.0	73.4	43.1	63 600
16.0	72.0	42.8	56 300
18.0	69.1	42.0	44 700
20.0	66.2	41.1	36 000
22.0	63.2	40.1	29 100
24.0	60.1	39.0	23 600
26.0	56.9	37.7	19 000
28.0	53.6	36.3	15 200
30.0	50.2	34.6	11 900
32.0	46.5	32.8	9 100
34.0	42.6	30.7	6 400 *
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	117 700 *
9.0	82.3	47.6	116 200 *
10.0	81.0	47.5	112 800 *
11.0	79.7	47.3	107 100
12.0	78.5	47.1	96 600
13.0	77.2	46.8	83 000
14.0	75.9	46.6	72 500
15.0	74.6	46.3	63 900
16.0	73.3	46.0	56 500
18.0	70.6	45.3	45 000
20.0	67.9	44.5	36 200
22.0	65.2	43.6	29 300
24.0	62.3	42.5	23 800
26.0	59.4	41.4	19 200
28.0	56.4	40.0	15 400
30.0	53.3	38.6	12 100
32.0	50.1	36.9	9 300
34.0	46.7	35.1	6 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	113 700 *
9.0	82.8	50.7	113 200 *
10.0	81.6	50.6	108 900 *
11.0	80.4	50.4	102 700 *
12.0	79.2	50.2	95 600
13.0	78.0	50.0	83 300
14.0	76.8	49.7	72 800
15.0	75.6	49.4	64 100
16.0	74.3	49.2	56 700
18.0	71.9	48.5	45 100
20.0	69.4	47.8	36 400
22.0	66.8	46.9	29 500
24.0	64.2	46.0	23 900
26.0	61.5	44.9	19 400
28.0	58.8	43.7	15 500
30.0	56.0	42.4	12 300
32.0	53.1	40.9	9 400
34.0	50.0	39.2	7 000
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	109 900 *
10.0	82.1	53.6	104 600 *
11.0	81.0	53.5	98 700 *
12.0	79.8	53.3	93 300 *
13.0	78.7	53.1	83 700
14.0	77.6	52.9	73 000
15.0	76.4	52.6	64 300
16.0	75.3	52.3	57 000
18.0	73.0	51.7	45 400
20.0	70.6	51.0	36 600
22.0	68.3	50.2	29 700
24.0	65.8	49.4	24 200
26.0	63.4	48.4	19 600
28.0	60.8	47.3	15 800
30.0	58.3	46.0	12 500
32.0	55.6	44.7	9 700
34.0	52.8	43.2	7 300
36.0	50.0	41.5	5 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	101 200 *
10.0	82.5	56.7	99 700 *
11.0	81.5	56.6	94 100 *
12.0	80.4	56.4	88 800 *
13.0	79.3	56.2	83 300
14.0	78.3	56.0	73 200
15.0	77.2	55.7	64 400
16.0	76.1	55.5	57 100
18.0	74.0	54.9	45 500
20.0	71.8	54.3	36 700
22.0	69.5	53.5	29 800
24.0	67.3	52.7	24 200
26.0	65.0	51.8	19 600
28.0	62.6	50.7	15 800
30.0	60.2	49.6	12 500
32.0	57.8	48.4	9 700
34.0	55.2	47.0	7 300
36.0	52.6	45.5	5 100
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	86 800 *
11.0	81.9	59.7	84 300 *
12.0	80.9	59.5	80 500 *
13.0	79.9	59.3	76 900 *
14.0	78.9	59.1	73 100
15.0	77.9	58.9	64 500
16.0	76.9	58.6	57 200
18.0	74.8	58.1	45 500
20.0	72.8	57.5	36 700
22.0	70.7	56.8	29 800
24.0	68.5	56.0	24 300
26.0	66.4	55.1	19 700
28.0	64.2	54.2	15 800
30.0	61.9	53.1	12 500
32.0	59.7	52.0	9 800
34.0	57.3	50.7	7 300
36.0	54.9	49.3	5 100



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

45.7m (150 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
61.0m (200 Ft.) BOOM			
10.4	82.9	62.8	81 600 *
11.0	82.3	62.7	79 800 *
12.0	81.4	62.6	76 100 *
13.0	80.4	62.4	72 600 *
14.0	79.5	62.2	69 100 *
15.0	78.5	62.0	64 700
16.0	77.5	61.8	57 500
18.0	75.6	61.3	45 600
20.0	73.6	60.7	36 800
22.0	71.7	60.0	29 800
24.0	69.7	59.3	24 200
26.0	67.6	58.5	19 600
28.0	65.6	57.6	15 800
30.0	63.5	56.6	12 500
32.0	61.3	55.5	9 700
34.0	59.2	54.3	7 200
36.0	56.9	53.0	5 100



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

48.8m (160 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	205 800 *
6.5	81.4	26.4	203 000 *
7.0	80.2	26.3	199 500 *
7.5	79.0	26.2	192 500 *
8.0	77.8	26.1	178 700 *
8.5	76.6	26.0	167 100 *
9.0	75.4	25.8	154 900
10.0	72.9	25.5	125 700
11.0	70.4	25.1	104 700
12.0	67.8	24.7	88 600
13.0	65.2	24.2	75 900
14.0	62.6	23.7	65 600
15.0	59.8	23.1	57 100
16.0	57.0	22.4	49 900
18.0	51.1	20.8	38 500
20.0	44.5	18.9	29 900
22.0	37.0	16.4	21 100 *
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	200 300 *
6.5	82.4	29.5	199 600 *
7.0	81.3	29.4	196 100 *
7.5	80.3	29.3	191 300 *
8.0	79.2	29.2	179 300 *
8.5	78.1	29.1	167 800 *
9.0	77.0	29.0	156 000
10.0	74.9	28.7	127 200
11.0	72.7	28.4	106 200
12.0	70.4	28.0	90 100
13.0	68.2	27.6	77 300
14.0	65.9	27.1	67 000
15.0	63.5	26.6	58 500
16.0	61.1	26.0	51 300
18.0	56.1	24.7	39 900
20.0	50.8	23.1	31 300
22.0	45.0	21.2	24 500
24.0	38.5	18.8	18 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	191 000 *
7.0	82.2	32.5	189 100 *
7.5	81.2	32.4	185 900 *
8.0	80.3	32.3	180 000 *
8.5	79.3	32.2	168 100 *
9.0	78.4	32.1	156 700
10.0	76.4	31.9	128 400
11.0	74.5	31.6	107 400
12.0	72.5	31.2	91 200
13.0	70.5	30.9	78 400
14.0	68.5	30.5	68 000
15.0	66.4	30.0	59 500
16.0	64.3	29.5	52 200
18.0	60.0	28.4	40 900
20.0	55.4	27.0	32 200
22.0	50.6	25.4	25 400
24.0	45.4	23.5	19 900
26.0	39.7	21.2	15 300 *
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	148 300 *
7.5	82.0	35.5	146 000 *
8.0	81.2	35.4	143 800 *
8.5	80.3	35.3	141 700 *
9.0	79.4	35.2	139 600 *
10.0	77.7	35.0	131 100
11.0	75.9	34.7	108 300
12.0	74.1	34.4	92 100
13.0	72.3	34.1	79 300
14.0	70.5	33.8	69 000
15.0	68.7	33.3	60 400
16.0	66.8	32.9	53 100
18.0	63.0	31.9	41 700
20.0	59.0	30.7	33 000
22.0	54.9	29.3	26 200
24.0	50.5	27.7	20 700
26.0	45.8	25.8	16 200
28.0	40.6	23.6	12 200
30.0	34.9	20.9	7 400 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	144 200 *
7.5	82.7	38.6	143 600 *
8.0	81.9	38.5	141 700 *
8.5	81.1	38.4	139 900 *
9.0	80.3	38.3	138 300 *
10.0	78.7	38.1	131 700
11.0	77.1	37.9	109 000
12.0	75.5	37.6	92 800
13.0	73.9	37.3	79 900
14.0	72.2	37.0	69 500
15.0	70.5	36.6	61 000
16.0	68.9	36.2	53 700
18.0	65.4	35.3	42 200
20.0	61.9	34.3	33 600
22.0	58.2	33.1	26 700
24.0	54.4	31.7	21 300
26.0	50.4	30.0	16 700
28.0	46.1	28.2	12 900
30.0	41.4	26.0	9 300
32.0	36.3	23.4	5 400 *
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	137 600 *
8.0	82.6	41.6	137 300 *
8.5	81.8	41.5	135 600 *
9.0	81.1	41.4	133 900 *
10.0	79.6	41.3	128 700
11.0	78.1	41.0	109 700
12.0	76.6	40.8	93 500
13.0	75.1	40.5	80 700
14.0	73.6	40.2	70 300
15.0	72.1	39.9	61 700
16.0	70.6	39.5	54 400
18.0	67.4	38.7	43 000
20.0	64.2	37.7	34 300
22.0	60.9	36.6	27 400
24.0	57.5	35.4	21 900
26.0	54.0	34.0	17 400
28.0	50.3	32.3	13 600
30.0	46.3	30.5	10 400
32.0	42.0	28.3	7 200

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

48.8m (160 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	133 500 *
8.5	82.4	44.6	132 600 *
9.0	81.7	44.5	131 100 *
10.0	80.4	44.4	127 000
11.0	79.0	44.2	110 200
12.0	77.6	43.9	93 900
13.0	76.2	43.7	81 100
14.0	74.8	43.4	70 700
15.0	73.4	43.1	62 100
16.0	72.0	42.8	54 800
18.0	69.1	42.0	43 300
20.0	66.2	41.1	34 600
22.0	63.2	40.1	27 700
24.0	60.1	39.0	22 200
26.0	56.9	37.7	17 700
28.0	53.6	36.3	13 900
30.0	50.2	34.6	10 700
32.0	46.5	32.8	7 900
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	116 100 *
9.0	82.3	47.6	114 700 *
10.0	81.0	47.5	111 200 *
11.0	79.7	47.3	105 400
12.0	78.5	47.1	94 900
13.0	77.2	46.8	81 400
14.0	75.9	46.6	71 000
15.0	74.6	46.3	62 400
16.0	73.3	46.0	55 100
18.0	70.6	45.3	43 600
20.0	67.9	44.5	34 900
22.0	65.2	43.6	28 000
24.0	62.3	42.5	22 500
26.0	59.4	41.4	18 000
28.0	56.4	40.0	14 200
30.0	53.3	38.6	10 900
32.0	50.1	36.9	8 200

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	112 100 *
9.0	82.8	50.7	111 700 *
10.0	81.6	50.6	107 100 *
11.0	80.4	50.4	101 000 *
12.0	79.2	50.2	94 000
13.0	78.0	50.0	81 700
14.0	76.8	49.7	71 300
15.0	75.6	49.4	62 600
16.0	74.3	49.2	55 300
18.0	71.9	48.5	43 800
20.0	69.4	47.8	35 100
22.0	66.8	46.9	28 200
24.0	64.2	46.0	22 700
26.0	61.5	44.9	18 100
28.0	58.8	43.7	14 300
30.0	56.0	42.4	11 100
32.0	53.1	40.9	8 300
34.0	50.0	39.2	5 800
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	108 200 *
10.0	82.1	53.6	102 800 *
11.0	81.0	53.5	97 000 *
12.0	79.8	53.3	91 600 *
13.0	78.7	53.1	82 200
14.0	77.6	52.9	71 500
15.0	76.4	52.6	62 900
16.0	75.3	52.3	55 600
18.0	73.0	51.7	44 100
20.0	70.6	51.0	35 400
22.0	68.3	50.2	28 500
24.0	65.8	49.4	23 000
26.0	63.4	48.4	18 400
28.0	60.8	47.3	14 600
30.0	58.3	46.0	11 400
32.0	55.6	44.7	8 600
34.0	52.8	43.2	6 200
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	99 400 *
10.0	82.5	56.7	98 000 *
11.0	81.5	56.6	92 300 *
12.0	80.4	56.4	87 100 *
13.0	79.3	56.2	81 600
14.0	78.3	56.0	71 700
15.0	77.2	55.7	63 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
16.0	76.1	55.5	55 800
18.0	74.0	54.9	44 200
20.0	71.8	54.3	35 500
22.0	69.5	53.5	28 600
24.0	67.3	52.7	23 000
26.0	65.0	51.8	18 500
28.0	62.6	50.7	14 700
30.0	60.2	49.6	11 400
32.0	57.8	48.4	8 600
34.0	55.2	47.0	6 200
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	85 200 *
11.0	81.9	59.7	82 700 *
12.0	80.9	59.5	78 900 *
13.0	79.9	59.3	75 300 *
14.0	78.9	59.1	71 700 *
15.0	77.9	58.9	63 200
16.0	76.9	58.6	55 900
18.0	74.8	58.1	44 300
20.0	72.8	57.5	35 500
22.0	70.7	56.8	28 600
24.0	68.5	56.0	23 100
26.0	66.4	55.1	18 500
28.0	64.2	54.2	14 700
30.0	61.9	53.1	11 400
32.0	59.7	52.0	8 700
34.0	57.3	50.7	6 200
61.0m (200 Ft.) BOOM			
10.4	82.9	62.8	80 600 *
11.0	82.3	62.7	78 200 *
12.0	81.4	62.6	74 500 *
13.0	80.4	62.4	71 000 *
14.0	79.5	62.2	67 500 *
15.0	78.5	62.0	63 200
16.0	77.5	61.8	56 300
18.0	75.6	61.3	44 300
20.0	73.6	60.7	35 500
22.0	71.7	60.0	28 600
24.0	69.7	59.3	23 100
26.0	67.6	58.5	18 500
28.0	65.6	57.6	14 700
30.0	63.5	56.6	11 400
32.0	61.3	55.5	8 600
34.0	59.2	54.3	6 200



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

51.8m (170 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	203 400 *
6.5	81.4	26.4	200 400 *
7.0	80.2	26.3	196 900 *
7.5	79.0	26.2	190 700 *
8.0	77.8	26.1	177 300 *
8.5	76.6	26.0	165 800 *
9.0	75.4	25.8	152 500
10.0	72.9	25.5	123 600
11.0	70.4	25.1	102 700
12.0	67.8	24.7	86 800
13.0	65.2	24.2	74 100
14.0	62.6	23.7	63 900
15.0	59.8	23.1	55 400
16.0	57.0	22.4	48 300
18.0	51.1	20.8	37 000
20.0	44.5	18.9	28 400
22.0	37.0	16.4	19 300 *
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	197 700 *
6.5	82.4	29.5	196 900 *
7.0	81.3	29.4	193 300 *
7.5	80.3	29.3	189 200 *
8.0	79.2	29.2	177 900 *
8.5	78.1	29.1	166 400 *
9.0	77.0	29.0	154 400
10.0	74.9	28.7	125 200
11.0	72.7	28.4	104 400
12.0	70.4	28.0	88 300
13.0	68.2	27.6	75 700
14.0	65.9	27.1	65 400
15.0	63.5	26.6	57 000
16.0	61.1	26.0	49 800
18.0	56.1	24.7	38 500
20.0	50.8	23.1	29 900
22.0	45.0	21.2	23 200
24.0	38.5	18.8	16 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	188 600 *
7.0	82.2	32.5	186 600 *
7.5	81.2	32.4	183 400 *
8.0	80.3	32.3	178 800 *
8.5	79.3	32.2	166 800 *
9.0	78.4	32.1	155 200
10.0	76.4	31.9	126 500
11.0	74.5	31.6	105 600
12.0	72.5	31.2	89 500
13.0	70.5	30.9	76 800
14.0	68.5	30.5	66 500
15.0	66.4	30.0	58 000
16.0	64.3	29.5	50 900
18.0	60.0	28.4	39 500
20.0	55.4	27.0	30 900
22.0	50.6	25.4	24 200
24.0	45.4	23.5	18 700
26.0	39.7	21.2	13 800 *
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	146 700 *
7.5	82.0	35.5	144 400 *
8.0	81.2	35.4	142 200 *
8.5	80.3	35.3	140 000 *
9.0	79.4	35.2	138 000 *
10.0	77.7	35.0	129 300
11.0	75.9	34.7	106 600
12.0	74.1	34.4	90 500
13.0	72.3	34.1	77 800
14.0	70.5	33.8	67 500
15.0	68.7	33.3	59 000
16.0	66.8	32.9	51 800
18.0	63.0	31.9	40 400
20.0	59.0	30.7	31 800
22.0	54.9	29.3	25 000
24.0	50.5	27.7	19 600
26.0	45.8	25.8	15 100
28.0	40.6	23.6	10 900 *
30.0	34.9	20.9	6 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	143 200 *
7.5	82.7	38.6	142 500 *
8.0	81.9	38.5	140 700 *
8.5	81.1	38.4	138 900 *
9.0	80.3	38.3	137 200 *
10.0	78.7	38.1	130 300
11.0	77.1	37.9	107 400
12.0	75.5	37.6	91 200
13.0	73.9	37.3	78 500
14.0	72.2	37.0	68 200
15.0	70.5	36.6	59 700
16.0	68.9	36.2	52 400
18.0	65.4	35.3	41 000
20.0	61.9	34.3	32 400
22.0	58.2	33.1	25 600
24.0	54.4	31.7	20 200
26.0	50.4	30.0	15 700
28.0	46.1	28.2	11 900
30.0	41.4	26.0	8 200
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	136 100 *
8.0	82.6	41.6	135 800 *
8.5	81.8	41.5	134 100 *
9.0	81.1	41.4	132 300 *
10.0	79.6	41.3	127 100
11.0	78.1	41.0	108 200
12.0	76.6	40.8	92 000
13.0	75.1	40.5	79 300
14.0	73.6	40.2	69 000
15.0	72.1	39.9	60 400
16.0	70.6	39.5	53 200
18.0	67.4	38.7	41 800
20.0	64.2	37.7	33 100
22.0	60.9	36.6	26 300
24.0	57.5	35.4	20 900
26.0	54.0	34.0	16 400
28.0	50.3	32.3	12 600
30.0	46.3	30.5	9 400
32.0	42.0	28.3	5 900

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

51.8m (170 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	132 100 *
8.5	82.4	44.6	131 200 *
9.0	81.7	44.5	129 600 *
10.0	80.4	44.4	125 500
11.0	79.0	44.2	108 700
12.0	77.6	43.9	92 500
13.0	76.2	43.7	79 800
14.0	74.8	43.4	69 400
15.0	73.4	43.1	60 800
16.0	72.0	42.8	53 600
18.0	69.1	42.0	42 200
20.0	66.2	41.1	33 500
22.0	63.2	40.1	26 700
24.0	60.1	39.0	21 200
26.0	56.9	37.7	16 700
28.0	53.6	36.3	13 000
30.0	50.2	34.6	9 800
32.0	46.5	32.8	7 000
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	114 800 *
9.0	82.3	47.6	113 200 *
10.0	81.0	47.5	109 700 *
11.0	79.7	47.3	103 800
12.0	78.5	47.1	93 500
13.0	77.2	46.8	80 100
14.0	75.9	46.6	69 800
15.0	74.6	46.3	61 200
16.0	73.3	46.0	54 000
18.0	70.6	45.3	42 500
20.0	67.9	44.5	33 900
22.0	65.2	43.6	27 000
24.0	62.3	42.5	21 500
26.0	59.4	41.4	17 000
28.0	56.4	40.0	13 300
30.0	53.3	38.6	10 000
32.0	50.1	36.9	7 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	110 800 *
9.0	82.8	50.7	110 300 *
10.0	81.6	50.6	105 500 *
11.0	80.4	50.4	99 400 *
12.0	79.2	50.2	92 600
13.0	78.0	50.0	80 400
14.0	76.8	49.7	70 100
15.0	75.6	49.4	61 500
16.0	74.3	49.2	54 200
18.0	71.9	48.5	42 700
20.0	69.4	47.8	34 100
22.0	66.8	46.9	27 200
24.0	64.2	46.0	21 700
26.0	61.5	44.9	17 200
28.0	58.8	43.7	13 400
30.0	56.0	42.4	10 200
32.0	53.1	40.9	7 400
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	106 600 *
10.0	82.1	53.6	101 200 *
11.0	81.0	53.5	95 400 *
12.0	79.8	53.3	90 000 *
13.0	78.7	53.1	81 000
14.0	77.6	52.9	70 400
15.0	76.4	52.6	61 800
16.0	75.3	52.3	54 500
18.0	73.0	51.7	43 000
20.0	70.6	51.0	34 400
22.0	68.3	50.2	27 600
24.0	65.8	49.4	22 100
26.0	63.4	48.4	17 500
28.0	60.8	47.3	13 800
30.0	58.3	46.0	10 500
32.0	55.6	44.7	7 800
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	97 800 *
10.0	82.5	56.7	96 400 *
11.0	81.5	56.6	90 700 *
12.0	80.4	56.4	85 500 *
13.0	79.3	56.2	80 100
14.0	78.3	56.0	70 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
15.0	77.2	55.7	62 000
16.0	76.1	55.5	54 700
18.0	74.0	54.9	43 200
20.0	71.8	54.3	34 500
22.0	69.5	53.5	27 600
24.0	67.3	52.7	22 200
26.0	65.0	51.8	17 600
28.0	62.6	50.7	13 800
30.0	60.2	49.6	10 600
32.0	57.8	48.4	7 800
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	83 800 *
11.0	81.9	59.7	81 300 *
12.0	80.9	59.5	77 500 *
13.0	79.9	59.3	73 900 *
14.0	78.9	59.1	70 200 *
15.0	77.9	58.9	62 100
16.0	76.9	58.6	54 800
18.0	74.8	58.1	43 300
20.0	72.8	57.5	34 600
22.0	70.7	56.8	27 700
24.0	68.5	56.0	22 200
26.0	66.4	55.1	17 700
28.0	64.2	54.2	13 900
30.0	61.9	53.1	10 700
32.0	59.7	52.0	7 900
61.0m (200 Ft.) BOOM			
10.4	82.9	62.8	79 100 *
11.0	82.3	62.7	76 700 *
12.0	81.4	62.6	73 100 *
13.0	80.4	62.4	69 600 *
14.0	79.5	62.2	66 100 *
15.0	78.5	62.0	61 900
16.0	77.5	61.8	55 400
18.0	75.6	61.3	43 400
20.0	73.6	60.7	34 600
22.0	71.7	60.0	27 800
24.0	69.7	59.3	22 200
26.0	67.6	58.5	17 700
28.0	65.6	57.6	13 900
30.0	63.5	56.6	10 700
32.0	61.3	55.5	7 900



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

54.9m (180 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	200 300 *
6.5	81.4	26.4	197 200 *
7.0	80.2	26.3	193 500 *
7.5	79.0	26.2	188 100 *
8.0	77.8	26.1	175 500 *
8.5	76.6	26.0	164 000 *
9.0	75.4	25.8	149 700
10.0	72.9	25.5	121 100
11.0	70.4	25.1	100 300
12.0	67.8	24.7	84 400
13.0	65.2	24.2	71 900
14.0	62.6	23.7	61 700
15.0	59.8	23.1	53 300
16.0	57.0	22.4	46 200
18.0	51.1	20.8	35 000
20.0	44.5	18.9	26 400
22.0	37.0	16.4	16 800 *
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	195 100 *
6.5	82.4	29.5	194 300 *
7.0	81.3	29.4	190 700 *
7.5	80.3	29.3	187 000 *
8.0	79.2	29.2	176 300 *
8.5	78.1	29.1	164 800 *
9.0	77.0	29.0	151 700
10.0	74.9	28.7	122 900
11.0	72.7	28.4	102 100
12.0	70.4	28.0	86 200
13.0	68.2	27.6	73 600
14.0	65.9	27.1	63 400
15.0	63.5	26.6	55 000
16.0	61.1	26.0	47 800
18.0	56.1	24.7	36 600
20.0	50.8	23.1	28 100
22.0	45.0	21.2	21 400
24.0	38.5	18.8	14 700 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	186 200 *
7.0	82.2	32.5	184 200 *
7.5	81.2	32.4	180 900 *
8.0	80.3	32.3	176 900 *
8.5	79.3	32.2	165 200 *
9.0	78.4	32.1	153 300
10.0	76.4	31.9	124 200
11.0	74.5	31.6	103 500
12.0	72.5	31.2	87 400
13.0	70.5	30.9	74 900
14.0	68.5	30.5	64 600
15.0	66.4	30.0	56 200
16.0	64.3	29.5	49 000
18.0	60.0	28.4	37 800
20.0	55.4	27.0	29 200
22.0	50.6	25.4	22 500
24.0	45.4	23.5	17 100
26.0	39.7	21.2	11 700 *
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	145 200 *
7.5	82.0	35.5	142 900 *
8.0	81.2	35.4	140 600 *
8.5	80.3	35.3	138 400 *
9.0	79.4	35.2	136 300 *
10.0	77.7	35.0	127 000
11.0	75.9	34.7	104 500
12.0	74.1	34.4	88 500
13.0	72.3	34.1	75 900
14.0	70.5	33.8	65 600
15.0	68.7	33.3	57 200
16.0	66.8	32.9	50 000
18.0	63.0	31.9	38 700
20.0	59.0	30.7	30 200
22.0	54.9	29.3	23 500
24.0	50.5	27.7	18 000
26.0	45.8	25.8	13 600
28.0	40.6	23.6	9 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	141 800 *
7.5	82.7	38.6	141 100 *
8.0	81.9	38.5	139 100 *
8.5	81.1	38.4	137 300 *
9.0	80.3	38.3	135 600 *
10.0	78.7	38.1	128 100
11.0	77.1	37.9	105 400
12.0	75.5	37.6	89 300
13.0	73.9	37.3	76 700
14.0	72.2	37.0	66 400
15.0	70.5	36.6	57 900
16.0	68.9	36.2	50 800
18.0	65.4	35.3	39 400
20.0	61.9	34.3	30 800
22.0	58.2	33.1	24 100
24.0	54.4	31.7	18 700
26.0	50.4	30.0	14 200
28.0	46.1	28.2	10 400
30.0	41.4	26.0	6 300 *
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	134 700 *
8.0	82.6	41.6	134 400 *
8.5	81.8	41.5	132 600 *
9.0	81.1	41.4	130 900 *
10.0	79.6	41.3	125 400
11.0	78.1	41.0	106 200
12.0	76.6	40.8	90 200
13.0	75.1	40.5	77 500
14.0	73.6	40.2	67 200
15.0	72.1	39.9	58 700
16.0	70.6	39.5	51 600
18.0	67.4	38.7	40 200
20.0	64.2	37.7	31 700
22.0	60.9	36.6	24 900
24.0	57.5	35.4	19 500
26.0	54.0	34.0	15 000
28.0	50.3	32.3	11 300
30.0	46.3	30.5	7 900

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

54.9m (180 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	130 700 *
8.5	82.4	44.6	129 800 *
9.0	81.7	44.5	128 200 *
10.0	80.4	44.4	123 900
11.0	79.0	44.2	106 900
12.0	77.6	43.9	90 700
13.0	76.2	43.7	78 100
14.0	74.8	43.4	67 700
15.0	73.4	43.1	59 200
16.0	72.0	42.8	52 000
18.0	69.1	42.0	40 700
20.0	66.2	41.1	32 100
22.0	63.2	40.1	25 300
24.0	60.1	39.0	19 900
26.0	56.9	37.7	15 400
28.0	53.6	36.3	11 600
30.0	50.2	34.6	8 500
32.0	46.5	32.8	5 400
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	113 300 *
9.0	82.3	47.6	111 800 *
10.0	81.0	47.5	108 300 *
11.0	79.7	47.3	102 200
12.0	78.5	47.1	91 800
13.0	77.2	46.8	78 500
14.0	75.9	46.6	68 200
15.0	74.6	46.3	59 600
16.0	73.3	46.0	52 400
18.0	70.6	45.3	41 000
20.0	67.9	44.5	32 400
22.0	65.2	43.6	25 700
24.0	62.3	42.5	20 200
26.0	59.4	41.4	15 700
28.0	56.4	40.0	12 000
30.0	53.3	38.6	8 800
32.0	50.1	36.9	6 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	109 400 *
9.0	82.8	50.7	109 000 *
10.0	81.6	50.6	103 900 *
11.0	80.4	50.4	97 900 *
12.0	79.2	50.2	91 000
13.0	78.0	50.0	78 800
14.0	76.8	49.7	68 500
15.0	75.6	49.4	60 000
16.0	74.3	49.2	52 700
18.0	71.9	48.5	41 300
20.0	69.4	47.8	32 700
22.0	66.8	46.9	25 900
24.0	64.2	46.0	20 500
26.0	61.5	44.9	16 000
28.0	58.8	43.7	12 200
30.0	56.0	42.4	9 000
32.0	53.1	40.9	6 300
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	105 000 *
10.0	82.1	53.6	99 700 *
11.0	81.0	53.5	93 900 *
12.0	79.8	53.3	88 400 *
13.0	78.7	53.1	79 400
14.0	77.6	52.9	68 900
15.0	76.4	52.6	60 300
16.0	75.3	52.3	53 100
18.0	73.0	51.7	41 700
20.0	70.6	51.0	33 100
22.0	68.3	50.2	26 200
24.0	65.8	49.4	20 800
26.0	63.4	48.4	16 300
28.0	60.8	47.3	12 500
30.0	58.3	46.0	9 300
32.0	55.6	44.7	6 600
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	96 200 *
10.0	82.5	56.7	94 800 *
11.0	81.5	56.6	89 200 *
12.0	80.4	56.4	84 000 *
13.0	79.3	56.2	78 600
14.0	78.3	56.0	69 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
15.0	77.2	55.7	60 500
16.0	76.1	55.5	53 300
18.0	74.0	54.9	41 900
20.0	71.8	54.3	33 200
22.0	69.5	53.5	26 400
24.0	67.3	52.7	20 900
26.0	65.0	51.8	16 400
28.0	62.6	50.7	12 600
30.0	60.2	49.6	9 400
32.0	57.8	48.4	6 700
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	82 400 *
11.0	81.9	59.7	79 900 *
12.0	80.9	59.5	76 200 *
13.0	79.9	59.3	72 500 *
14.0	78.9	59.1	68 800 *
15.0	77.9	58.9	60 700
16.0	76.9	58.6	53 400
18.0	74.8	58.1	42 000
20.0	72.8	57.5	33 300
22.0	70.7	56.8	26 500
24.0	68.5	56.0	21 000
26.0	66.4	55.1	16 500
28.0	64.2	54.2	12 700
30.0	61.9	53.1	9 500
32.0	59.7	52.0	6 800



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
 Luffing Jib No. 133 or No. 133A
 93 890 kg Crane Counterweight
 27 220 kg Carbody Counterweight
 360 Degree Rating

Meets
 ANSI B30.5
 Requirements

57.9m (190 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	197 300 *
6.5	81.4	26.4	194 100 *
7.0	80.2	26.3	190 200 *
7.5	79.0	26.2	185 500 *
8.0	77.8	26.1	173 800 *
8.5	76.6	26.0	162 300 *
9.0	75.4	25.8	146 800
10.0	72.9	25.5	118 500
11.0	70.4	25.1	97 900
12.0	67.8	24.7	82 200
13.0	65.2	24.2	69 700
14.0	62.6	23.7	59 600
15.0	59.8	23.1	51 200
16.0	57.0	22.4	44 200
18.0	51.1	20.8	33 100
20.0	44.5	18.9	24 500
22.0	37.0	16.4	14 400 *
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	192 200 *
6.5	82.4	29.5	191 500 *
7.0	81.3	29.4	187 700 *
7.5	80.3	29.3	184 100 *
8.0	79.2	29.2	174 700 *
8.5	78.1	29.1	163 100 *
9.0	77.0	29.0	149 000
10.0	74.9	28.7	120 400
11.0	72.7	28.4	99 800
12.0	70.4	28.0	84 000
13.0	68.2	27.6	71 500
14.0	65.9	27.1	61 400
15.0	63.5	26.6	53 000
16.0	61.1	26.0	46 000
18.0	56.1	24.7	34 800
20.0	50.8	23.1	26 400
22.0	45.0	21.2	19 600
24.0	38.5	18.8	12 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	183 500 *
7.0	82.2	32.5	181 500 *
7.5	81.2	32.4	178 100 *
8.0	80.3	32.3	174 200 *
8.5	79.3	32.2	163 700 *
9.0	78.4	32.1	150 800
10.0	76.4	31.9	122 000
11.0	74.5	31.6	101 300
12.0	72.5	31.2	85 400
13.0	70.5	30.9	72 900
14.0	68.5	30.5	62 700
15.0	66.4	30.0	54 300
16.0	64.3	29.5	47 200
18.0	60.0	28.4	36 000
20.0	55.4	27.0	27 600
22.0	50.6	25.4	20 900
24.0	45.4	23.5	15 500
26.0	39.7	21.2	9 700 *
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	143 500 *
7.5	82.0	35.5	141 100 *
8.0	81.2	35.4	138 800 *
8.5	80.3	35.3	136 600 *
9.0	79.4	35.2	134 500 *
10.0	77.7	35.0	124 800
11.0	75.9	34.7	102 500
12.0	74.1	34.4	86 600
13.0	72.3	34.1	74 000
14.0	70.5	33.8	63 900
15.0	68.7	33.3	55 400
16.0	66.8	32.9	48 300
18.0	63.0	31.9	37 100
20.0	59.0	30.7	28 600
22.0	54.9	29.3	21 900
24.0	50.5	27.7	16 600
26.0	45.8	25.8	12 100
28.0	40.6	23.6	7 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	140 400 *
7.5	82.7	38.6	139 600 *
8.0	81.9	38.5	137 700 *
8.5	81.1	38.4	135 900 *
9.0	80.3	38.3	134 200 *
10.0	78.7	38.1	125 900
11.0	77.1	37.9	103 400
12.0	75.5	37.6	87 500
13.0	73.9	37.3	74 900
14.0	72.2	37.0	64 700
15.0	70.5	36.6	56 200
16.0	68.9	36.2	49 100
18.0	65.4	35.3	37 900
20.0	61.9	34.3	29 300
22.0	58.2	33.1	22 700
24.0	54.4	31.7	17 300
26.0	50.4	30.0	12 900
28.0	46.1	28.2	8 900
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	134 700 *
8.0	82.6	41.6	134 400 *
8.5	81.8	41.5	132 600 *
9.0	81.1	41.4	130 800 *
10.0	79.6	41.3	124 900
11.0	78.1	41.0	104 300
12.0	76.6	40.8	88 400
13.0	75.1	40.5	75 800
14.0	73.6	40.2	65 500
15.0	72.1	39.9	57 100
16.0	70.6	39.5	50 000
18.0	67.4	38.7	38 700
20.0	64.2	37.7	30 200
22.0	60.9	36.6	23 500
24.0	57.5	35.4	18 100
26.0	54.0	34.0	13 700
28.0	50.3	32.3	10 000
30.0	46.3	30.5	6 500

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

57.9m (190 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	129 100 *
8.5	82.4	44.6	128 200 *
9.0	81.7	44.5	126 600 *
10.0	80.4	44.4	122 200
11.0	79.0	44.2	105 000
12.0	77.6	43.9	89 000
13.0	76.2	43.7	76 300
14.0	74.8	43.4	66 100
15.0	73.4	43.1	57 600
16.0	72.0	42.8	50 500
18.0	69.1	42.0	39 200
20.0	66.2	41.1	30 700
22.0	63.2	40.1	24 000
24.0	60.1	39.0	18 500
26.0	56.9	37.7	14 100
28.0	53.6	36.3	10 400
30.0	50.2	34.6	7 200
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	111 800 *
9.0	82.3	47.6	110 300 *
10.0	81.0	47.5	106 700 *
11.0	79.7	47.3	100 500
12.0	78.5	47.1	90 100
13.0	77.2	46.8	76 800
14.0	75.9	46.6	66 600
15.0	74.6	46.3	58 100
16.0	73.3	46.0	50 900
18.0	70.6	45.3	39 700
20.0	67.9	44.5	31 100
22.0	65.2	43.6	24 400
24.0	62.3	42.5	19 000
26.0	59.4	41.4	14 500
28.0	56.4	40.0	10 800
30.0	53.3	38.6	7 600
32.0	50.1	36.9	4 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	108 000 *
9.0	82.8	50.7	107 500 *
10.0	81.6	50.6	102 200 *
11.0	80.4	50.4	96 100 *
12.0	79.2	50.2	89 300
13.0	78.0	50.0	77 300
14.0	76.8	49.7	67 000
15.0	75.6	49.4	58 500
16.0	74.3	49.2	51 300
18.0	71.9	48.5	39 900
20.0	69.4	47.8	31 400
22.0	66.8	46.9	24 600
24.0	64.2	46.0	19 200
26.0	61.5	44.9	14 800
28.0	58.8	43.7	11 000
30.0	56.0	42.4	7 800
32.0	53.1	40.9	5 100
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	103 300 *
10.0	82.1	53.6	98 000 *
11.0	81.0	53.5	92 100 *
12.0	79.8	53.3	86 800 *
13.0	78.7	53.1	77 800
14.0	77.6	52.9	67 400
15.0	76.4	52.6	58 800
16.0	75.3	52.3	51 700
18.0	73.0	51.7	40 400
20.0	70.6	51.0	31 800
22.0	68.3	50.2	25 000
24.0	65.8	49.4	19 600
26.0	63.4	48.4	15 100
28.0	60.8	47.3	11 400
30.0	58.3	46.0	8 200
32.0	55.6	44.7	5 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	94 500 *
10.0	82.5	56.7	93 100 *
11.0	81.5	56.6	87 500 *
12.0	80.4	56.4	82 300 *
13.0	79.3	56.2	77 000
14.0	78.3	56.0	67 700
15.0	77.2	55.7	59 100
16.0	76.1	55.5	51 900
18.0	74.0	54.9	40 500
20.0	71.8	54.3	32 000
22.0	69.5	53.5	25 200
24.0	67.3	52.7	19 700
26.0	65.0	51.8	15 300
28.0	62.6	50.7	11 500
30.0	60.2	49.6	8 300
32.0	57.8	48.4	5 600
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	80 900 *
11.0	81.9	59.7	78 400 *
12.0	80.9	59.5	74 600 *
13.0	79.9	59.3	70 900 *
14.0	78.9	59.1	67 200 *
15.0	77.9	58.9	59 300
16.0	76.9	58.6	52 100
18.0	74.8	58.1	40 700
20.0	72.8	57.5	32 100
22.0	70.7	56.8	25 300
24.0	68.5	56.0	19 900
26.0	66.4	55.1	15 400
28.0	64.2	54.2	11 600
30.0	61.9	53.1	8 500
32.0	59.7	52.0	5 700



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

61.0m (200 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
24.4m (80 Ft.) BOOM			
6.1	82.4	26.5	193 900 *
6.5	81.4	26.4	190 600 *
7.0	80.2	26.3	186 600 *
7.5	79.0	26.2	182 700 *
8.0	77.8	26.1	171 900 *
8.5	76.6	26.0	160 400 *
9.0	75.4	25.8	143 800
10.0	72.9	25.5	115 800
11.0	70.4	25.1	95 400
12.0	67.8	24.7	79 700
13.0	65.2	24.2	67 300
14.0	62.6	23.7	57 300
15.0	59.8	23.1	49 000
16.0	57.0	22.4	42 000
18.0	51.1	20.8	30 900
20.0	44.5	18.9	22 200 *
22.0	37.0	16.4	11 800 *
27.4m (90 Ft.) BOOM			
6.4	82.6	29.5	189 100 *
6.5	82.4	29.5	188 300 *
7.0	81.3	29.4	184 400 *
7.5	80.3	29.3	180 700 *
8.0	79.2	29.2	173 100 *
8.5	78.1	29.1	161 300 *
9.0	77.0	29.0	146 100
10.0	74.9	28.7	117 900
11.0	72.7	28.4	97 400
12.0	70.4	28.0	81 700
13.0	68.2	27.6	69 300
14.0	65.9	27.1	59 200
15.0	63.5	26.6	50 900
16.0	61.1	26.0	43 900
18.0	56.1	24.7	32 800
20.0	50.8	23.1	24 400
22.0	45.0	21.2	17 500
24.0	38.5	18.8	10 200 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	180 600 *
7.0	82.2	32.5	178 500 *
7.5	81.2	32.4	175 000 *
8.0	80.3	32.3	171 300 *
8.5	79.3	32.2	162 100 *
9.0	78.4	32.1	148 000
10.0	76.4	31.9	119 600
11.0	74.5	31.6	99 000
12.0	72.5	31.2	83 200
13.0	70.5	30.9	70 800
14.0	68.5	30.5	60 700
15.0	66.4	30.0	52 300
16.0	64.3	29.5	45 300
18.0	60.0	28.4	34 200
20.0	55.4	27.0	25 700
22.0	50.6	25.4	19 100
24.0	45.4	23.5	13 400
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	141 600 *
7.5	82.0	35.5	139 200 *
8.0	81.2	35.4	136 800 *
8.5	80.3	35.3	134 500 *
9.0	79.4	35.2	132 400 *
10.0	77.7	35.0	122 400
11.0	75.9	34.7	100 300
12.0	74.1	34.4	84 500
13.0	72.3	34.1	72 000
14.0	70.5	33.8	61 900
15.0	68.7	33.3	53 500
16.0	66.8	32.9	46 400
18.0	63.0	31.9	35 300
20.0	59.0	30.7	26 900
22.0	54.9	29.3	20 300
24.0	50.5	27.7	14 900
26.0	45.8	25.8	10 200 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	138 800 *
7.5	82.7	38.6	138 100 *
8.0	81.9	38.5	136 100 *
8.5	81.1	38.4	134 300 *
9.0	80.3	38.3	132 500 *
10.0	78.7	38.1	123 600
11.0	77.1	37.9	101 300
12.0	75.5	37.6	85 400
13.0	73.9	37.3	72 900
14.0	72.2	37.0	62 800
15.0	70.5	36.6	54 400
16.0	68.9	36.2	47 300
18.0	65.4	35.3	36 200
20.0	61.9	34.3	27 700
22.0	58.2	33.1	21 000
24.0	54.4	31.7	15 700
26.0	50.4	30.0	11 300
28.0	46.1	28.2	7 100 *
39.6m (130 Ft.) BOOM			
7.9	82.7	41.6	131 300 *
8.0	82.6	41.6	131 000 *
8.5	81.8	41.5	129 100 *
9.0	81.1	41.4	127 300 *
10.0	79.6	41.3	121 700
11.0	78.1	41.0	102 200
12.0	76.6	40.8	86 400
13.0	75.1	40.5	73 900
14.0	73.6	40.2	63 700
15.0	72.1	39.9	55 400
16.0	70.6	39.5	48 300
18.0	67.4	38.7	37 100
20.0	64.2	37.7	28 600
22.0	60.9	36.6	21 900
24.0	57.5	35.4	16 600
26.0	54.0	34.0	12 200
28.0	50.3	32.3	8 500

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
93 890 kg Crane Counterweight
27 220 kg Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

61.0m (200 Ft.) Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	127 400 *
8.5	82.4	44.6	126 400 *
9.0	81.7	44.5	124 800 *
10.0	80.4	44.4	120 300
11.0	79.0	44.2	103 000
12.0	77.6	43.9	87 100
13.0	76.2	43.7	74 500
14.0	74.8	43.4	64 400
15.0	73.4	43.1	55 900
16.0	72.0	42.8	48 900
18.0	69.1	42.0	37 600
20.0	66.2	41.1	29 100
22.0	63.2	40.1	22 500
24.0	60.1	39.0	17 100
26.0	56.9	37.7	12 700
28.0	53.6	36.3	9 000
30.0	50.2	34.6	5 700
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	110 100 *
9.0	82.3	47.6	108 600 *
10.0	81.0	47.5	104 900 *
11.0	79.7	47.3	98 600
12.0	78.5	47.1	88 200
13.0	77.2	46.8	75 100
14.0	75.9	46.6	64 900
15.0	74.6	46.3	56 500
16.0	73.3	46.0	49 300
18.0	70.6	45.3	38 100
20.0	67.9	44.5	29 600
22.0	65.2	43.6	22 900
24.0	62.3	42.5	17 600
26.0	59.4	41.4	13 100
28.0	56.4	40.0	9 400
30.0	53.3	38.6	6 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	106 300 *
9.0	82.8	50.7	105 800 *
10.0	81.6	50.6	100 200 *
11.0	80.4	50.4	94 200 *
12.0	79.2	50.2	87 500
13.0	78.0	50.0	75 500
14.0	76.8	49.7	65 300
15.0	75.6	49.4	56 900
16.0	74.3	49.2	49 700
18.0	71.9	48.5	38 400
20.0	69.4	47.8	29 900
22.0	66.8	46.9	23 200
24.0	64.2	46.0	17 800
26.0	61.5	44.9	13 400
28.0	58.8	43.7	9 700
30.0	56.0	42.4	6 500
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	101 300 *
10.0	82.1	53.6	96 000 *
11.0	81.0	53.5	90 200 *
12.0	79.8	53.3	84 800 *
13.0	78.7	53.1	76 200
14.0	77.6	52.9	65 700
15.0	76.4	52.6	57 300
16.0	75.3	52.3	50 100
18.0	73.0	51.7	38 900
20.0	70.6	51.0	30 300
22.0	68.3	50.2	23 700
24.0	65.8	49.4	18 300
26.0	63.4	48.4	13 800
28.0	60.8	47.3	10 100
30.0	58.3	46.0	6 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	92 600 *
10.0	82.5	56.7	91 200 *
11.0	81.5	56.6	85 600 *
12.0	80.4	56.4	80 400 *
13.0	79.3	56.2	75 100
14.0	78.3	56.0	66 100
15.0	77.2	55.7	57 500
16.0	76.1	55.5	50 400
18.0	74.0	54.9	39 100
20.0	71.8	54.3	30 600
22.0	69.5	53.5	23 900
24.0	67.3	52.7	18 500
26.0	65.0	51.8	14 000
28.0	62.6	50.7	10 300
30.0	60.2	49.6	7 100
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	79 100 *
11.0	81.9	59.7	76 600 *
12.0	80.9	59.5	72 900 *
13.0	79.9	59.3	69 200 *
14.0	78.9	59.1	65 500 *
15.0	77.9	58.9	57 900
16.0	76.9	58.6	50 600
18.0	74.8	58.1	39 300
20.0	72.8	57.5	30 700
22.0	70.7	56.8	24 000
24.0	68.5	56.0	18 600
26.0	66.4	55.1	14 100
28.0	64.2	54.2	10 400
30.0	61.9	53.1	7 300
32.0	59.7	52.0	4 500