

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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. 7638-A**, 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, 112 810 kg crane counterweight, two 13 610 kg and four 6 800 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

Consult Chart **No. 8047-AM** for luffing jib capacities.

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.	



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54 430 kg Carbody Counterweight
360 Degree Rating

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	207 200 *
8.0	77.8	26.1	195 800 *
8.5	76.6	26.0	184 000 *
9.0	75.4	25.8	173 300 *
10.0	72.9	25.5	155 100 *
11.0	70.4	25.1	137 700 *
12.0	67.8	24.7	119 200 *
13.0	65.2	24.2	104 400 *
14.0	62.6	23.7	92 000 *
15.0	59.8	23.1	81 600 *
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	199 700 *
8.0	79.2	29.2	196 400 *
8.5	78.1	29.1	184 000 *
9.0	77.0	29.0	173 400 *
10.0	74.9	28.7	155 200 *
11.0	72.7	28.4	140 000 *
12.0	70.4	28.0	123 000 *
13.0	68.2	27.6	107 600 *
14.0	65.9	27.1	95 000 *
15.0	63.5	26.6	84 500 *
16.0	61.1	26.0	75 500 *
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	187 200 *
8.5	79.3	32.2	183 400 *
9.0	78.4	32.1	173 200 *
10.0	76.4	31.9	155 000 *
11.0	74.5	31.6	140 000 *
12.0	72.5	31.2	125 600 *
13.0	70.5	30.9	110 200 *
14.0	68.5	30.5	97 700 *
15.0	66.4	30.0	86 900 *
16.0	64.3	29.5	77 700 *
18.0	60.0	28.4	62 900 *

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	142 400 *
11.0	75.9	34.7	139 500 *
12.0	74.1	34.4	124 600 *
13.0	72.3	34.1	110 400 *
14.0	70.5	33.8	98 000 *
15.0	68.7	33.3	87 700 *
16.0	66.8	32.9	79 100 *
18.0	63.0	31.9	64 900 *
20.0	59.0	30.7	53 400 *
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	135 000 *
11.0	77.1	37.9	132 600 *
12.0	75.5	37.6	122 500 *
13.0	73.9	37.3	109 500 *
14.0	72.2	37.0	98 000 *
15.0	70.5	36.6	87 800 *
16.0	68.9	36.2	79 100 *
18.0	65.4	35.3	65 400 *
20.0	61.9	34.3	54 700 *
22.0	58.2	33.1	45 400 *
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	135 900 *
11.0	78.1	41.0	129 900 *
12.0	76.6	40.8	120 100 *
13.0	75.1	40.5	107 400 *
14.0	73.6	40.2	97 200 *
15.0	72.1	39.9	88 100 *
16.0	70.6	39.5	79 400 *
18.0	67.4	38.7	65 700 *
20.0	64.2	37.7	55 300 *
22.0	60.9	36.6	46 800 *
24.0	57.5	35.4	39 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	124 800 *
12.0	77.6	43.9	116 500 *
13.0	76.2	43.7	105 000 *
14.0	74.8	43.4	95 000 *
15.0	73.4	43.1	86 500 *
16.0	72.0	42.8	79 000 *
18.0	69.1	42.0	65 700 *
20.0	66.2	41.1	55 200 *
22.0	63.2	40.1	47 000 *
24.0	60.1	39.0	39 800 *
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	105 000 *
13.0	77.2	46.8	100 300 *
14.0	75.9	46.6	93 700 *
15.0	74.6	46.3	85 300 *
16.0	73.3	46.0	78 000 *
18.0	70.6	45.3	65 600 *
20.0	67.9	44.5	55 200 *
22.0	65.2	43.6	47 000 *
24.0	62.3	42.5	40 400 *
26.0	59.4	41.4	34 100 *
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	95 400 *
14.0	76.8	49.7	91 100 *
15.0	75.6	49.4	83 400 *
16.0	74.3	49.2	76 200 *
18.0	71.9	48.5	64 600 *
20.0	69.4	47.8	55 100 *
22.0	66.8	46.9	46 900 *
24.0	64.2	46.0	40 300 *
26.0	61.5	44.9	34 600 *
28.0	58.8	43.7	29 100 *

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Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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
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	90 900 *
14.0	77.6	52.9	86 700 *
15.0	76.4	52.6	81 900 *
16.0	75.3	52.3	75 000 *
18.0	73.0	51.7	63 400 *
20.0	70.6	51.0	54 400 *
22.0	68.3	50.2	47 000
24.0	65.8	49.4	40 300
26.0	63.4	48.4	34 900
28.0	60.8	47.3	29 700 *
30.0	58.3	46.0	25 000 *
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	81 800 *
15.0	77.2	55.7	78 000 *
16.0	76.1	55.5	73 500 *
18.0	74.0	54.9	62 300 *
20.0	71.8	54.3	53 300 *
22.0	69.5	53.5	46 100 *
24.0	67.3	52.7	40 100
26.0	65.0	51.8	34 700
28.0	62.6	50.7	30 000
30.0	60.2	49.6	25 300 *
32.0	57.8	48.4	21 100 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	72 200 *
16.0	76.9	58.6	69 000 *
18.0	74.8	58.1	61 200 *
20.0	72.8	57.5	52 300 *
22.0	70.7	56.8	45 200 *
24.0	68.5	56.0	39 300 *
26.0	66.4	55.1	34 300 *
28.0	64.2	54.2	30 000 *
30.0	61.9	53.1	25 700 *
32.0	59.7	52.0	21 500 *
34.0	57.3	50.7	17 800 *
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	64 700 *
18.0	75.6	61.3	59 100 *
20.0	73.6	60.7	51 400 *
22.0	71.7	60.0	44 300 *
24.0	69.7	59.3	38 400 *
26.0	67.6	58.5	33 500 *
28.0	65.6	57.6	29 200 *
30.0	63.5	56.6	25 600 *
32.0	61.3	55.5	21 600 *
34.0	59.2	54.3	18 000 *
36.0	56.9	53.0	14 800 *



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112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	206 300 *
8.0	77.8	26.1	194 800 *
8.5	76.6	26.0	182 900 *
9.0	75.4	25.8	172 300 *
10.0	72.9	25.5	154 000 *
11.0	70.4	25.1	136 000 *
12.0	67.8	24.7	117 500 *
13.0	65.2	24.2	102 600 *
14.0	62.6	23.7	90 300 *
15.0	59.8	23.1	79 900 *
16.0	57.0	22.4	71 100 *
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	199 200 *
8.0	79.2	29.2	195 400 *
8.5	78.1	29.1	183 000 *
9.0	77.0	29.0	172 400 *
10.0	74.9	28.7	154 200 *
11.0	72.7	28.4	139 000 *
12.0	70.4	28.0	121 300 *
13.0	68.2	27.6	106 000 *
14.0	65.9	27.1	93 400 *
15.0	63.5	26.6	82 900 *
16.0	61.1	26.0	73 900 *
18.0	56.1	24.7	59 400 *
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	188 500 *
8.5	79.3	32.2	182 900 *
9.0	78.4	32.1	172 300 *
10.0	76.4	31.9	154 100 *
11.0	74.5	31.6	139 000 *
12.0	72.5	31.2	124 300 *
13.0	70.5	30.9	108 900 *
14.0	68.5	30.5	96 200 *
15.0	66.4	30.0	85 400 *
16.0	64.3	29.5	76 200 *
18.0	60.0	28.4	61 400 *
20.0	55.4	27.0	50 100 *

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	141 700 *
11.0	75.9	34.7	138 800 *
12.0	74.1	34.4	123 000 *
13.0	72.3	34.1	109 400 *
14.0	70.5	33.8	96 800 *
15.0	68.7	33.3	86 600 *
16.0	66.8	32.9	78 000 *
18.0	63.0	31.9	63 600 *
20.0	59.0	30.7	51 900 *
22.0	54.9	29.3	42 800 *
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	134 400 *
11.0	77.1	37.9	131 900 *
12.0	75.5	37.6	121 100 *
13.0	73.9	37.3	108 100 *
14.0	72.2	37.0	97 000 *
15.0	70.5	36.6	86 700 *
16.0	68.9	36.2	78 000 *
18.0	65.4	35.3	64 400 *
20.0	61.9	34.3	53 400 *
22.0	58.2	33.1	44 000 *
24.0	54.4	31.7	36 400 *
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	135 300 *
11.0	78.1	41.0	129 200 *
12.0	76.6	40.8	118 700 *
13.0	75.1	40.5	106 100 *
14.0	73.6	40.2	95 900 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
15.0	72.1	39.9	86 900 *
16.0	70.6	39.5	78 500 *
18.0	67.4	38.7	64 700 *
20.0	64.2	37.7	54 300 *
22.0	60.9	36.6	45 500 *
24.0	57.5	35.4	37 700 *
26.0	54.0	34.0	31 400 *
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	124 200 *
12.0	77.6	43.9	115 500 *
13.0	76.2	43.7	103 700 *
14.0	74.8	43.4	93 700 *
15.0	73.4	43.1	85 200 *
16.0	72.0	42.8	77 800 *
18.0	69.1	42.0	64 700 *
20.0	66.2	41.1	54 300 *
22.0	63.2	40.1	46 000 *
24.0	60.1	39.0	38 600 *
26.0	56.9	37.7	32 100 *
28.0	53.6	36.3	26 700 *
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	104 400 *
13.0	77.2	46.8	99 700 *
14.0	75.9	46.6	92 500 *
15.0	74.6	46.3	84 000 *
16.0	73.3	46.0	76 700 *
18.0	70.6	45.3	64 600 *
20.0	67.9	44.5	54 200 *
22.0	65.2	43.6	46 100 *
24.0	62.3	42.5	39 300 *
26.0	59.4	41.4	32 900 *
28.0	56.4	40.0	27 500 *
30.0	53.3	38.6	22 800 *

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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	94 800 *
14.0	76.8	49.7	90 400 *
15.0	75.6	49.4	82 100 *
16.0	74.3	49.2	75 000 *
18.0	71.9	48.5	63 400 *
20.0	69.4	47.8	54 200 *
22.0	66.8	46.9	46 000 *
24.0	64.2	46.0	39 400 *
26.0	61.5	44.9	33 400 *
28.0	58.8	43.7	27 900 *
30.0	56.0	42.4	23 200 *
32.0	53.1	40.9	19 200 *
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	90 400 *
14.0	77.6	52.9	86 200 *
15.0	76.4	52.6	80 900 *
16.0	75.3	52.3	73 600 *
18.0	73.0	51.7	62 200 *
20.0	70.6	51.0	53 300 *
22.0	68.3	50.2	45 900 *
24.0	65.8	49.4	39 500 *
26.0	63.4	48.4	34 000 *
28.0	60.8	47.3	28 600 *
30.0	58.3	46.0	23 800 *
32.0	55.6	44.7	19 800 *
34.0	52.8	43.2	16 300 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	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	81 400 *
15.0	77.2	55.7	77 500 *
16.0	76.1	55.5	72 700 *
18.0	74.0	54.9	61 100 *
20.0	71.8	54.3	52 200 *
22.0	69.5	53.5	45 000 *
24.0	67.3	52.7	39 000 *
26.0	65.0	51.8	33 900 *
28.0	62.6	50.7	29 000 *
30.0	60.2	49.6	24 200 *
32.0	57.8	48.4	20 100 *
34.0	55.2	47.0	16 500 *
36.0	52.6	45.5	13 300 *
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	71 700 *
16.0	76.9	58.6	68 600 *
18.0	74.8	58.1	60 300 *
20.0	72.8	57.5	51 200 *
22.0	70.7	56.8	44 000 *
24.0	68.5	56.0	38 200 *
26.0	66.4	55.1	33 200 *
28.0	64.2	54.2	28 900 *
30.0	61.9	53.1	24 600 *
32.0	59.7	52.0	20 400 *
34.0	57.3	50.7	16 700 *
36.0	54.9	49.3	13 600 *
38.0	52.4	47.8	10 800 *

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	64 300 *
18.0	75.6	61.3	58 500 *
20.0	73.6	60.7	50 300 *
22.0	71.7	60.0	43 200 *
24.0	69.7	59.3	37 300 *
26.0	67.6	58.5	32 400 *
28.0	65.6	57.6	28 200 *
30.0	63.5	56.6	24 500 *
32.0	61.3	55.5	20 600 *
34.0	59.2	54.3	16 900 *
36.0	56.9	53.0	13 700 *
38.0	54.6	51.6	10 900 *
40.0	52.3	50.1	8 400 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	203 200 *
8.0	77.8	26.1	193 100 *
8.5	76.6	26.0	181 200 *
9.0	75.4	25.8	170 600 *
10.0	72.9	25.5	152 500 *
11.0	70.4	25.1	133 300 *
12.0	67.8	24.7	115 000 *
13.0	65.2	24.2	100 300 *
14.0	62.6	23.7	88 100 *
15.0	59.8	23.1	77 800 *
16.0	57.0	22.4	69 000 *
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	195 500 *
8.0	79.2	29.2	192 400 *
8.5	78.1	29.1	181 400 *
9.0	77.0	29.0	170 800 *
10.0	74.9	28.7	152 600 *
11.0	72.7	28.4	137 500 *
12.0	70.4	28.0	118 800 *
13.0	68.2	27.6	103 700 *
14.0	65.9	27.1	91 300 *
15.0	63.5	26.6	80 800 *
16.0	61.1	26.0	71 900 *
18.0	56.1	24.7	57 500 *
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	185 000 *
8.5	79.3	32.2	181 000 *
9.0	78.4	32.1	170 700 *
10.0	76.4	31.9	152 500 *
11.0	74.5	31.6	137 500 *
12.0	72.5	31.2	122 000 *
13.0	70.5	30.9	106 800 *
14.0	68.5	30.5	94 000 *
15.0	66.4	30.0	83 400 *
16.0	64.3	29.5	74 200 *
18.0	60.0	28.4	59 600 *
20.0	55.4	27.0	48 300 *

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	139 600 *
11.0	75.9	34.7	136 400 *
12.0	74.1	34.4	120 700 *
13.0	72.3	34.1	107 600 *
14.0	70.5	33.8	95 200 *
15.0	68.7	33.3	85 000 *
16.0	66.8	32.9	76 400 *
18.0	63.0	31.9	61 800 *
20.0	59.0	30.7	50 300 *
22.0	54.9	29.3	41 200 *
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	132 400 *
11.0	77.1	37.9	129 900 *
12.0	75.5	37.6	118 800 *
13.0	73.9	37.3	106 000 *
14.0	72.2	37.0	95 300 *
15.0	70.5	36.6	85 200 *
16.0	68.9	36.2	76 600 *
18.0	65.4	35.3	63 000 *
20.0	61.9	34.3	51 700 *
22.0	58.2	33.1	42 400 *
24.0	54.4	31.7	34 900 *
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	133 200 *
11.0	78.1	41.0	127 000 *
12.0	76.6	40.8	116 500 *
13.0	75.1	40.5	104 000 *
14.0	73.6	40.2	93 900 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
15.0	72.1	39.9	85 200 *
16.0	70.6	39.5	77 200 *
18.0	67.4	38.7	63 300 *
20.0	64.2	37.7	53 000 *
22.0	60.9	36.6	43 900 *
24.0	57.5	35.4	36 300 *
26.0	54.0	34.0	30 000 *
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	121 900 *
12.0	77.6	43.9	113 400 *
13.0	76.2	43.7	101 600 *
14.0	74.8	43.4	91 800 *
15.0	73.4	43.1	83 400 *
16.0	72.0	42.8	76 100 *
18.0	69.1	42.0	63 400 *
20.0	66.2	41.1	53 000 *
22.0	63.2	40.1	44 700 *
24.0	60.1	39.0	37 100 *
26.0	56.9	37.7	30 700 *
28.0	53.6	36.3	25 400 *
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	102 500 *
13.0	77.2	46.8	97 800 *
14.0	75.9	46.6	90 600 *
15.0	74.6	46.3	82 200 *
16.0	73.3	46.0	75 000 *
18.0	70.6	45.3	63 200 *
20.0	67.9	44.5	53 000 *
22.0	65.2	43.6	44 900 *
24.0	62.3	42.5	38 000 *
26.0	59.4	41.4	31 500 *
28.0	56.4	40.0	26 100 *
30.0	53.3	38.6	21 500 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	92 900 *
14.0	76.8	49.7	88 400 *
15.0	75.6	49.4	80 300 *
16.0	74.3	49.2	73 200 *
18.0	71.9	48.5	61 700 *
20.0	69.4	47.8	52 700 *
22.0	66.8	46.9	44 900 *
24.0	64.2	46.0	38 300 *
26.0	61.5	44.9	32 000 *
28.0	58.8	43.7	26 600 *
30.0	56.0	42.4	21 900 *
32.0	53.1	40.9	18 000 *
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	88 500 *
14.0	77.6	52.9	84 300 *
15.0	76.4	52.6	79 100 *
16.0	75.3	52.3	71 800 *
18.0	73.0	51.7	60 600 *
20.0	70.6	51.0	51 700 *
22.0	68.3	50.2	44 500 *
24.0	65.8	49.4	38 400 *
26.0	63.4	48.4	32 800 *
28.0	60.8	47.3	27 300 *
30.0	58.3	46.0	22 600 *
32.0	55.6	44.7	18 600 *
34.0	52.8	43.2	15 000 *

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	79 500 *
15.0	77.2	55.7	75 600 *
16.0	76.1	55.5	70 900 *
18.0	74.0	54.9	59 500 *
20.0	71.8	54.3	50 600 *
22.0	69.5	53.5	43 500 *
24.0	67.3	52.7	37 600 *
26.0	65.0	51.8	32 700 *
28.0	62.6	50.7	27 700 *
30.0	60.2	49.6	22 900 *
32.0	57.8	48.4	18 900 *
34.0	55.2	47.0	15 300 *
36.0	52.6	45.5	12 200 *
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	69 900 *
16.0	76.9	58.6	66 800 *
18.0	74.8	58.1	58 600 *
20.0	72.8	57.5	49 700 *
22.0	70.7	56.8	42 600 *
24.0	68.5	56.0	36 800 *
26.0	66.4	55.1	31 900 *
28.0	64.2	54.2	27 600 *
30.0	61.9	53.1	23 300 *
32.0	59.7	52.0	19 100 *
34.0	57.3	50.7	15 600 *
36.0	54.9	49.3	12 400 *
38.0	52.4	47.8	9 700 *

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	62 500 *
18.0	75.6	61.3	56 800 *
20.0	73.6	60.7	48 800 *
22.0	71.7	60.0	41 800 *
24.0	69.7	59.3	36 000 *
26.0	67.6	58.5	31 100 *
28.0	65.6	57.6	26 900 *
30.0	63.5	56.6	23 300 *
32.0	61.3	55.5	19 400 *
34.0	59.2	54.3	15 800 *
36.0	56.9	53.0	12 600 *
38.0	54.6	51.6	9 800 *
40.0	52.3	50.1	7 300 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	206 400 *
8.0	77.8	26.1	193 700 *
8.5	76.6	26.0	181 700 *
9.0	75.4	25.8	171 000 *
10.0	72.9	25.5	152 600 *
11.0	70.4	25.1	133 500 *
12.0	67.8	24.7	115 000 *
13.0	65.2	24.2	100 000 *
14.0	62.6	23.7	87 600 *
15.0	59.8	23.1	77 100 *
16.0	57.0	22.4	68 200 *
18.0	51.1	20.8	53 800 *
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	200 800 *
8.0	79.2	29.2	194 200 *
8.5	78.1	29.1	181 900 *
9.0	77.0	29.0	171 300 *
10.0	74.9	28.7	152 900 *
11.0	72.7	28.4	137 600 *
12.0	70.4	28.0	119 000 *
13.0	68.2	27.6	103 700 *
14.0	65.9	27.1	91 000 *
15.0	63.5	26.6	80 400 *
16.0	61.1	26.0	71 300 *
18.0	56.1	24.7	56 700 *
20.0	50.8	23.1	45 400 *
22.0	45.0	21.2	36 400 *
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	190 000 *
8.5	79.3	32.2	182 200 *
9.0	78.4	32.1	171 300 *
10.0	76.4	31.9	152 900 *
11.0	74.5	31.6	137 800 *
12.0	72.5	31.2	122 300 *
13.0	70.5	30.9	106 900 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
14.0	68.5	30.5	94 000 *
15.0	66.4	30.0	83 100 *
16.0	64.3	29.5	73 900 *
18.0	60.0	28.4	59 000 *
20.0	55.4	27.0	47 600 *
22.0	50.6	25.4	38 500 *
24.0	45.4	23.5	31 000 *
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	141 800 *
11.0	75.9	34.7	137 000 *
12.0	74.1	34.4	121 200 *
13.0	72.3	34.1	107 800 *
14.0	70.5	33.8	95 300 *
15.0	68.7	33.3	85 000 *
16.0	66.8	32.9	76 200 *
18.0	63.0	31.9	61 400 *
20.0	59.0	30.7	49 600 *
22.0	54.9	29.3	40 300 *
24.0	50.5	27.7	32 800 *
26.0	45.8	25.8	26 500 *
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	134 600 *
11.0	77.1	37.9	131 800 *
12.0	75.5	37.6	119 200 *
13.0	73.9	37.3	106 300 *
14.0	72.2	37.0	95 500 *
15.0	70.5	36.6	85 200 *
16.0	68.9	36.2	76 500 *
18.0	65.4	35.3	62 800 *
20.0	61.9	34.3	51 200 *
22.0	58.2	33.1	41 800 *
24.0	54.4	31.7	34 100 *
26.0	50.4	30.0	27 800 *
28.0	46.1	28.2	22 500 *

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	135 700 *
11.0	78.1	41.0	129 500 *
12.0	76.6	40.8	116 900 *
13.0	75.1	40.5	104 300 *
14.0	73.6	40.2	94 100 *
15.0	72.1	39.9	85 300 *
16.0	70.6	39.5	77 200 *
18.0	67.4	38.7	63 100 *
20.0	64.2	37.7	52 700 *
22.0	60.9	36.6	43 300 *
24.0	57.5	35.4	35 600 *
26.0	54.0	34.0	29 200 *
28.0	50.3	32.3	23 800 *
30.0	46.3	30.5	19 200 *
32.0	42.0	28.3	15 200 *
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	124 900 *
12.0	77.6	43.9	114 600 *
13.0	76.2	43.7	102 100 *
14.0	74.8	43.4	92 000 *
15.0	73.4	43.1	83 500 *
16.0	72.0	42.8	76 100 *
18.0	69.1	42.0	63 300 *
20.0	66.2	41.1	52 800 *
22.0	63.2	40.1	44 300 *
24.0	60.1	39.0	36 500 *
26.0	56.9	37.7	30 000 *
28.0	53.6	36.3	24 600 *
30.0	50.2	34.6	20 000 *
32.0	46.5	32.8	16 000 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	104 700 *
13.0	77.2	46.8	99 500 *
14.0	75.9	46.6	90 900 *
15.0	74.6	46.3	82 400 *
16.0	73.3	46.0	75 100 *
18.0	70.6	45.3	63 100
20.0	67.9	44.5	52 900
22.0	65.2	43.6	44 600
24.0	62.3	42.5	37 500
26.0	59.4	41.4	30 900 *
28.0	56.4	40.0	25 400 *
30.0	53.3	38.6	20 700 *
32.0	50.1	36.9	16 700 *
34.0	46.7	35.1	13 200 *
36.0	43.0	33.0	10 000 *
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	100 100 *
13.0	78.0	50.0	95 200 *
14.0	76.8	49.7	88 900 *
15.0	75.6	49.4	80 600 *
16.0	74.3	49.2	73 400 *
18.0	71.9	48.5	61 700 *
20.0	69.4	47.8	52 500
22.0	66.8	46.9	44 600
24.0	64.2	46.0	37 900
26.0	61.5	44.9	31 500 *
28.0	58.8	43.7	26 000 *
30.0	56.0	42.4	21 300 *
32.0	53.1	40.9	17 200 *
34.0	50.0	39.2	13 600 *
36.0	46.8	37.4	10 500 *
38.0	43.4	35.3	7 700 *

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	91 100 *
14.0	77.6	52.9	86 600 *
15.0	76.4	52.6	79 200 *
16.0	75.3	52.3	72 100 *
18.0	73.0	51.7	60 600 *
20.0	70.6	51.0	51 500 *
22.0	68.3	50.2	44 200 *
24.0	65.8	49.4	38 000
26.0	63.4	48.4	32 300 *
28.0	60.8	47.3	26 700 *
30.0	58.3	46.0	22 000 *
32.0	55.6	44.7	17 900 *
34.0	52.8	43.2	14 300 *
36.0	50.0	41.5	11 200 *
38.0	47.0	39.7	8 400 *
40.0	43.8	37.7	5 900 *
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	86 400 *
14.0	78.3	56.0	82 100 *
15.0	77.2	55.7	77 600 *
16.0	76.1	55.5	71 500 *
18.0	74.0	54.9	59 400 *
20.0	71.8	54.3	50 500 *
22.0	69.5	53.5	43 300 *
24.0	67.3	52.7	37 300 *
26.0	65.0	51.8	32 200 *
28.0	62.6	50.7	27 200 *
30.0	60.2	49.6	22 300 *
32.0	57.8	48.4	18 200 *
34.0	55.2	47.0	14 600 *
36.0	52.6	45.5	11 500 *
38.0	49.9	43.8	8 700 *
40.0	47.1	42.0	6 200 *

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	72 400 *
16.0	76.9	58.6	68 600 *
18.0	74.8	58.1	58 800 *
20.0	72.8	57.5	49 600 *
22.0	70.7	56.8	42 400 *
24.0	68.5	56.0	36 500 *
26.0	66.4	55.1	31 500 *
28.0	64.2	54.2	27 100 *
30.0	61.9	53.1	22 800 *
32.0	59.7	52.0	18 600 *
34.0	57.3	50.7	14 900 *
36.0	54.9	49.3	11 700 *
38.0	52.4	47.8	8 900 *
40.0	49.9	46.1	6 400 *
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	68 100 *
16.0	77.5	61.8	65 000 *
18.0	75.6	61.3	57 500 *
20.0	73.6	60.7	48 700 *
22.0	71.7	60.0	41 600 *
24.0	69.7	59.3	35 700 *
26.0	67.6	58.5	30 700 *
28.0	65.6	57.6	26 500 *
30.0	63.5	56.6	22 800 *
32.0	61.3	55.5	18 800 *
34.0	59.2	54.3	15 100 *
36.0	56.9	53.0	11 900 *
38.0	54.6	51.6	9 100 *
40.0	52.3	50.1	6 600 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	203 900 *
8.0	77.8	26.1	192 000 *
8.5	76.6	26.0	180 100 *
9.0	75.4	25.8	169 400 *
10.0	72.9	25.5	151 000 *
11.0	70.4	25.1	130 900 *
12.0	67.8	24.7	112 500 *
13.0	65.2	24.2	97 600 *
14.0	62.6	23.7	85 300 *
15.0	59.8	23.1	74 900 *
16.0	57.0	22.4	66 000 *
18.0	51.1	20.8	51 800 *
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	197 800 *
8.0	79.2	29.2	192 700 *
8.5	78.1	29.1	180 300 *
9.0	77.0	29.0	169 700 *
10.0	74.9	28.7	151 400 *
11.0	72.7	28.4	135 400 *
12.0	70.4	28.0	116 500 *
13.0	68.2	27.6	101 400 *
14.0	65.9	27.1	88 800 *
15.0	63.5	26.6	78 300 *
16.0	61.1	26.0	69 200 *
18.0	56.1	24.7	54 700 *
20.0	50.8	23.1	43 500 *
22.0	45.0	21.2	34 600 *
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	187 300 *
8.5	79.3	32.2	180 600 *
9.0	78.4	32.1	169 700 *
10.0	76.4	31.9	151 400 *
11.0	74.5	31.6	136 200 *
12.0	72.5	31.2	119 900 *
13.0	70.5	30.9	104 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
14.0	68.5	30.5	91 800 *
15.0	66.4	30.0	81 100 *
16.0	64.3	29.5	71 900 *
18.0	60.0	28.4	57 100 *
20.0	55.4	27.0	45 800 *
22.0	50.6	25.4	36 700 *
24.0	45.4	23.5	29 300 *
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	139 900 *
11.0	75.9	34.7	134 700 *
12.0	74.1	34.4	118 900 *
13.0	72.3	34.1	105 900 *
14.0	70.5	33.8	93 600 *
15.0	68.7	33.3	83 400 *
16.0	66.8	32.9	74 500 *
18.0	63.0	31.9	59 500 *
20.0	59.0	30.7	47 900 *
22.0	54.9	29.3	38 600 *
24.0	50.5	27.7	31 200 *
26.0	45.8	25.8	25 000 *
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	132 900 *
11.0	77.1	37.9	130 100 *
12.0	75.5	37.6	116 900 *
13.0	73.9	37.3	104 200 *
14.0	72.2	37.0	93 800 *
15.0	70.5	36.6	83 700 *
16.0	68.9	36.2	75 000 *
18.0	65.4	35.3	61 100 *
20.0	61.9	34.3	49 400 *
22.0	58.2	33.1	40 100 *
24.0	54.4	31.7	32 500 *
26.0	50.4	30.0	26 300 *
28.0	46.1	28.2	20 900 *

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	133 900 *
11.0	78.1	41.0	127 400 *
12.0	76.6	40.8	114 700 *
13.0	75.1	40.5	102 300 *
14.0	73.6	40.2	92 100 *
15.0	72.1	39.9	83 400 *
16.0	70.6	39.5	75 500 *
18.0	67.4	38.7	61 800 *
20.0	64.2	37.7	51 200 *
22.0	60.9	36.6	41 700 *
24.0	57.5	35.4	34 000 *
26.0	54.0	34.0	27 700 *
28.0	50.3	32.3	22 300 *
30.0	46.3	30.5	17 800 *
32.0	42.0	28.3	13 800 *
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	130 600 *
11.0	79.0	44.2	122 800 *
12.0	77.6	43.9	112 500 *
13.0	76.2	43.7	100 100 *
14.0	74.8	43.4	90 100 *
15.0	73.4	43.1	81 600 *
16.0	72.0	42.8	74 300 *
18.0	69.1	42.0	61 900 *
20.0	66.2	41.1	51 500 *
22.0	63.2	40.1	42 800 *
24.0	60.1	39.0	34 900 *
26.0	56.9	37.7	28 600 *
28.0	53.6	36.3	23 100 *
30.0	50.2	34.6	18 500 *
32.0	46.5	32.8	14 600 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	102 900 *
13.0	77.2	46.8	97 700 *
14.0	75.9	46.6	89 000 *
15.0	74.6	46.3	80 500 *
16.0	73.3	46.0	73 300 *
18.0	70.6	45.3	61 400 *
20.0	67.9	44.5	51 600 *
22.0	65.2	43.6	43 400 *
24.0	62.3	42.5	36 000 *
26.0	59.4	41.4	29 500 *
28.0	56.4	40.0	24 000 *
30.0	53.3	38.6	19 400 *
32.0	50.1	36.9	15 400 *
34.0	46.7	35.1	11 900 *
36.0	43.0	33.0	8 800 *
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	98 300 *
13.0	78.0	50.0	93 400 *
14.0	76.8	49.7	87 000 *
15.0	75.6	49.4	78 800 *
16.0	74.3	49.2	71 600 *
18.0	71.9	48.5	60 000 *
20.0	69.4	47.8	50 900 *
22.0	66.8	46.9	43 400 *
24.0	64.2	46.0	36 600 *
26.0	61.5	44.9	30 100 *
28.0	58.8	43.7	24 600 *
30.0	56.0	42.4	19 900 *
32.0	53.1	40.9	15 900 *
34.0	50.0	39.2	12 400 *
36.0	46.8	37.4	9 300 *
38.0	43.4	35.3	6 500 *

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	89 300 *
14.0	77.6	52.9	84 900 *
15.0	76.4	52.6	77 400 *
16.0	75.3	52.3	70 400 *
18.0	73.0	51.7	59 000 *
20.0	70.6	51.0	50 000 *
22.0	68.3	50.2	42 700 *
24.0	65.8	49.4	36 700 *
26.0	63.4	48.4	30 900 *
28.0	60.8	47.3	25 300 *
30.0	58.3	46.0	20 600 *
32.0	55.6	44.7	16 600 *
34.0	52.8	43.2	13 000 *
36.0	50.0	41.5	9 900 *
38.0	47.0	39.7	7 200 *
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	84 600 *
14.0	78.3	56.0	80 300 *
15.0	77.2	55.7	75 800 *
16.0	76.1	55.5	69 800 *
18.0	74.0	54.9	57 900 *
20.0	71.8	54.3	49 000 *
22.0	69.5	53.5	41 800 *
24.0	67.3	52.7	35 900 *
26.0	65.0	51.8	30 800 *
28.0	62.6	50.7	25 900 *
30.0	60.2	49.6	21 000 *
32.0	57.8	48.4	16 900 *
34.0	55.2	47.0	13 400 *
36.0	52.6	45.5	10 200 *
38.0	49.9	43.8	7 500 *

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	70 700 *
16.0	76.9	58.6	67 000 *
18.0	74.8	58.1	57 200 *
20.0	72.8	57.5	48 100 *
22.0	70.7	56.8	41 000 *
24.0	68.5	56.0	35 100 *
26.0	66.4	55.1	30 100 *
28.0	64.2	54.2	25 800 *
30.0	61.9	53.1	21 500 *
32.0	59.7	52.0	17 300 *
34.0	57.3	50.7	13 700 *
36.0	54.9	49.3	10 600 *
38.0	52.4	47.8	7 700 *
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	66 500 *
16.0	77.5	61.8	63 400 *
18.0	75.6	61.3	56 000 *
20.0	73.6	60.7	47 200 *
22.0	71.7	60.0	40 200 *
24.0	69.7	59.3	34 300 *
26.0	67.6	58.5	29 400 *
28.0	65.6	57.6	25 200 *
30.0	63.5	56.6	21 500 *
32.0	61.3	55.5	17 600 *
34.0	59.2	54.3	14 000 *
36.0	56.9	53.0	10 700 *
38.0	54.6	51.6	7 900 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	205 900 *
8.0	77.8	26.1	193 100 *
8.5	76.6	26.0	181 000 *
9.0	75.4	25.8	170 200 *
10.0	72.9	25.5	151 600 *
11.0	70.4	25.1	131 700 *
12.0	67.8	24.7	113 000 *
13.0	65.2	24.2	97 800 *
14.0	62.6	23.7	85 200 *
15.0	59.8	23.1	74 600 *
16.0	57.0	22.4	65 600 *
18.0	51.1	20.8	51 000 *
20.0	44.5	18.9	39 600 *
22.0	37.0	16.4	28 900 *
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	203 200 *
8.0	79.2	29.2	193 500 *
8.5	78.1	29.1	181 400 *
9.0	77.0	29.0	170 600 *
10.0	74.9	28.7	152 000 *
11.0	72.7	28.4	136 400 *
12.0	70.4	28.0	117 200 *
13.0	68.2	27.6	101 800 *
14.0	65.9	27.1	89 000 *
15.0	63.5	26.6	78 200 *
16.0	61.1	26.0	69 000 *
18.0	56.1	24.7	54 200 *
20.0	50.8	23.1	42 800 *
22.0	45.0	21.2	33 600 *
24.0	38.5	18.8	25 800 *
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	192 000 *
8.5	79.3	32.2	181 600 *
9.0	78.4	32.1	170 700 *
10.0	76.4	31.9	152 200 *
11.0	74.5	31.6	136 800 *
12.0	72.5	31.2	120 800 *
13.0	70.5	30.9	105 200 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
14.0	68.5	30.5	92 200 *
15.0	66.4	30.0	81 200 *
16.0	64.3	29.5	71 800 *
18.0	60.0	28.4	56 800 *
20.0	55.4	27.0	45 200 *
22.0	50.6	25.4	35 900 *
24.0	45.4	23.5	28 400 *
26.0	39.7	21.2	22 000 *
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	142 500 *
11.0	75.9	34.7	136 000 *
12.0	74.1	34.4	119 900 *
13.0	72.3	34.1	106 600 *
14.0	70.5	33.8	94 100 *
15.0	68.7	33.3	83 700 *
16.0	66.8	32.9	74 600 *
18.0	63.0	31.9	59 300 *
20.0	59.0	30.7	47 500 *
22.0	54.9	29.3	38 100 *
24.0	50.5	27.7	30 400 *
26.0	45.8	25.8	24 000 *
28.0	40.6	23.6	18 600 *
30.0	34.9	20.9	13 700 *
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	140 300 *
11.0	77.1	37.9	133 500 *
12.0	75.5	37.6	117 800 *
13.0	73.9	37.3	105 000 *
14.0	72.2	37.0	94 400 *
15.0	70.5	36.6	84 100 *
16.0	68.9	36.2	75 300 *
18.0	65.4	35.3	61 000 *
20.0	61.9	34.3	49 200 *
22.0	58.2	33.1	39 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
24.0	54.4	31.7	31 900 *
26.0	50.4	30.0	25 500 *
28.0	46.1	28.2	20 100 *
30.0	41.4	26.0	15 400 *
32.0	36.3	23.4	11 300 *
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	136 600 *
11.0	78.1	41.0	130 800 *
12.0	76.6	40.8	115 700 *
13.0	75.1	40.5	103 200 *
14.0	73.6	40.2	92 800 *
15.0	72.1	39.9	83 900 *
16.0	70.6	39.5	75 900 *
18.0	67.4	38.7	61 900 *
20.0	64.2	37.7	51 000 *
22.0	60.9	36.6	41 300 *
24.0	57.5	35.4	33 500 *
26.0	54.0	34.0	27 100 *
28.0	50.3	32.3	21 600 *
30.0	46.3	30.5	17 000 *
32.0	42.0	28.3	12 900 *
34.0	37.4	25.8	9 300 *
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	133 700 *
11.0	79.0	44.2	126 600 *
12.0	77.6	43.9	113 500 *
13.0	76.2	43.7	101 100 *
14.0	74.8	43.4	90 900 *
15.0	73.4	43.1	82 200 *
16.0	72.0	42.8	74 700 *
18.0	69.1	42.0	62 000 *
20.0	66.2	41.1	51 500 *
22.0	63.2	40.1	42 500 *
24.0	60.1	39.0	34 600 *
26.0	56.9	37.7	28 100 *
28.0	53.6	36.3	22 600 *
30.0	50.2	34.6	17 900 *
32.0	46.5	32.8	13 800 *
34.0	42.6	30.7	10 300 *
36.0	38.3	28.2	7 100 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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
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	105 800 *
13.0	77.2	46.8	100 000 *
14.0	75.9	46.6	89 800 *
15.0	74.6	46.3	81 200 *
16.0	73.3	46.0	73 800 *
18.0	70.6	45.3	61 600 *
20.0	67.9	44.5	51 700 *
22.0	65.2	43.6	43 200 *
24.0	62.3	42.5	35 700 *
26.0	59.4	41.4	29 100 *
28.0	56.4	40.0	23 500 *
30.0	53.3	38.6	18 800 *
32.0	50.1	36.9	14 700 *
34.0	46.7	35.1	11 100 *
36.0	43.0	33.0	7 900 *
38.0	39.1	30.6	5 100 *
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	101 500 *
13.0	78.0	50.0	96 200 *
14.0	76.8	49.7	88 000 *
15.0	75.6	49.4	79 500 *
16.0	74.3	49.2	72 200 *
18.0	71.9	48.5	60 300 *
20.0	69.4	47.8	51 000 *
22.0	66.8	46.9	43 300 *
24.0	64.2	46.0	36 400 *
26.0	61.5	44.9	29 700 *
28.0	58.8	43.7	24 100 *
30.0	56.0	42.4	19 400 *
32.0	53.1	40.9	15 200 *
34.0	50.0	39.2	11 700 *
36.0	46.8	37.4	8 500 *
38.0	43.4	35.3	5 700 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	92 600 *
14.0	77.6	52.9	86 500 *
15.0	76.4	52.6	78 100 *
16.0	75.3	52.3	71 000 *
18.0	73.0	51.7	59 300 *
20.0	70.6	51.0	50 100 *
22.0	68.3	50.2	42 700 *
24.0	65.8	49.4	36 500 *
26.0	63.4	48.4	30 600 *
28.0	60.8	47.3	24 900 *
30.0	58.3	46.0	20 200 *
32.0	55.6	44.7	16 000 *
34.0	52.8	43.2	12 400 *
36.0	50.0	41.5	9 200 *
38.0	47.0	39.7	6 400 *
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	88 200 *
14.0	78.3	56.0	83 600 *
15.0	77.2	55.7	77 200 *
16.0	76.1	55.5	69 900 *
18.0	74.0	54.9	58 200 *
20.0	71.8	54.3	49 200 *
22.0	69.5	53.5	41 800 *
24.0	67.3	52.7	35 700 *
26.0	65.0	51.8	30 600 *
28.0	62.6	50.7	25 500 *
30.0	60.2	49.6	20 600 *
32.0	57.8	48.4	16 400 *
34.0	55.2	47.0	12 800 *
36.0	52.6	45.5	9 600 *
38.0	49.9	43.8	6 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	77 200 *
15.0	77.9	58.9	73 700 *
16.0	76.9	58.6	69 100 *
18.0	74.8	58.1	57 400 *
20.0	72.8	57.5	48 300 *
22.0	70.7	56.8	41 000 *
24.0	68.5	56.0	35 000 *
26.0	66.4	55.1	29 900 *
28.0	64.2	54.2	25 500 *
30.0	61.9	53.1	21 100 *
32.0	59.7	52.0	16 900 *
34.0	57.3	50.7	13 200 *
36.0	54.9	49.3	10 000 *
38.0	52.4	47.8	7 100 *
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	69 700 *
16.0	77.5	61.8	66 200 *
18.0	75.6	61.3	56 800 *
20.0	73.6	60.7	47 500 *
22.0	71.7	60.0	40 200 *
24.0	69.7	59.3	34 300 *
26.0	67.6	58.5	29 300 *
28.0	65.6	57.6	25 000 *
30.0	63.5	56.6	21 200 *
32.0	61.3	55.5	17 200 *
34.0	59.2	54.3	13 500 *
36.0	56.9	53.0	10 200 *
38.0	54.6	51.6	7 300 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	204 100 *
8.0	77.8	26.1	191 900 *
8.5	76.6	26.0	179 900 *
9.0	75.4	25.8	169 100 *
10.0	72.9	25.5	150 400 *
11.0	70.4	25.1	129 800 *
12.0	67.8	24.7	111 100 *
13.0	65.2	24.2	96 000 *
14.0	62.6	23.7	83 500 *
15.0	59.8	23.1	72 900 *
16.0	57.0	22.4	63 900 *
18.0	51.1	20.8	49 400 *
20.0	44.5	18.9	38 000 *
22.0	37.0	16.4	27 400 *
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	201 100 *
8.0	79.2	29.2	192 500 *
8.5	78.1	29.1	180 300 *
9.0	77.0	29.0	169 500 *
10.0	74.9	28.7	151 000 *
11.0	72.7	28.4	134 600 *
12.0	70.4	28.0	115 500 *
13.0	68.2	27.6	100 100 *
14.0	65.9	27.1	87 300 *
15.0	63.5	26.6	76 600 *
16.0	61.1	26.0	67 400 *
18.0	56.1	24.7	52 700 *
20.0	50.8	23.1	41 300 *
22.0	45.0	21.2	32 200 *
24.0	38.5	18.8	24 400 *

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	190 200 *
8.5	79.3	32.2	180 600 *
9.0	78.4	32.1	169 700 *
10.0	76.4	31.9	151 200 *
11.0	74.5	31.6	135 600 *
12.0	72.5	31.2	119 100 *
13.0	70.5	30.9	103 600 *
14.0	68.5	30.5	90 600 *
15.0	66.4	30.0	79 700 *
16.0	64.3	29.5	70 400 *
18.0	60.0	28.4	55 300 *
20.0	55.4	27.0	43 800 *
22.0	50.6	25.4	34 600 *
24.0	45.4	23.5	27 100 *
26.0	39.7	21.2	20 800 *
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	141 300 *
11.0	75.9	34.7	134 300 *
12.0	74.1	34.4	118 300 *
13.0	72.3	34.1	105 100 *
14.0	70.5	33.8	92 900 *
15.0	68.7	33.3	82 500 *
16.0	66.8	32.9	73 400 *
18.0	63.0	31.9	57 900 *
20.0	59.0	30.7	46 200 *
22.0	54.9	29.3	36 800 *
24.0	50.5	27.7	29 200 *
26.0	45.8	25.8	22 900 *
28.0	40.6	23.6	17 500 *
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	139 400 *
11.0	77.1	37.9	131 800 *
12.0	75.5	37.6	116 200 *
13.0	73.9	37.3	103 500 *
14.0	72.2	37.0	92 900 *
15.0	70.5	36.6	83 000 *
16.0	68.9	36.2	74 200 *
18.0	65.4	35.3	59 800 *
20.0	61.9	34.3	47 900 *
22.0	58.2	33.1	38 400 *
24.0	54.4	31.7	30 700 *
26.0	50.4	30.0	24 400 *
28.0	46.1	28.2	19 000 *
30.0	41.4	26.0	14 300 *
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	135 500 *
11.0	78.1	41.0	129 400 *
12.0	76.6	40.8	114 100 *
13.0	75.1	40.5	101 800 *
14.0	73.6	40.2	91 400 *
15.0	72.1	39.9	82 600 *
16.0	70.6	39.5	74 700 *
18.0	67.4	38.7	60 900 *
20.0	64.2	37.7	49 800 *
22.0	60.9	36.6	40 200 *
24.0	57.5	35.4	32 400 *
26.0	54.0	34.0	26 000 *
28.0	50.3	32.3	20 500 *
30.0	46.3	30.5	15 900 *
32.0	42.0	28.3	11 900 *
34.0	37.4	25.8	8 300 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	132 500 *
11.0	79.0	44.2	125 200 *
12.0	77.6	43.9	112 000 *
13.0	76.2	43.7	99 700 *
14.0	74.8	43.4	89 500 *
15.0	73.4	43.1	80 900 *
16.0	72.0	42.8	73 400 *
18.0	69.1	42.0	61 000 *
20.0	66.2	41.1	50 600 *
22.0	63.2	40.1	41 400 *
24.0	60.1	39.0	33 400 *
26.0	56.9	37.7	27 000 *
28.0	53.6	36.3	21 500 *
30.0	50.2	34.6	16 800 *
32.0	46.5	32.8	12 800 *
34.0	42.6	30.7	9 300 *
36.0	38.3	28.2	6 100 *
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	104 700 *
13.0	77.2	46.8	98 800 *
14.0	75.9	46.6	88 500 *
15.0	74.6	46.3	79 900 *
16.0	73.3	46.0	72 500 *
18.0	70.6	45.3	60 400 *
20.0	67.9	44.5	50 800 *
22.0	65.2	43.6	42 300 *
24.0	62.3	42.5	34 600 *
26.0	59.4	41.4	28 000 *
28.0	56.4	40.0	22 500 *
30.0	53.3	38.6	17 800 *
32.0	50.1	36.9	13 700 *
34.0	46.7	35.1	10 100 *
36.0	43.0	33.0	7 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	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	100 400 *
13.0	78.0	50.0	95 100 *
14.0	76.8	49.7	86 700 *
15.0	75.6	49.4	78 200 *
16.0	74.3	49.2	71 000 *
18.0	71.9	48.5	59 100 *
20.0	69.4	47.8	49 900 *
22.0	66.8	46.9	42 300 *
24.0	64.2	46.0	35 400 *
26.0	61.5	44.9	28 700 *
28.0	58.8	43.7	23 100 *
30.0	56.0	42.4	18 400 *
32.0	53.1	40.9	14 300 *
34.0	50.0	39.2	10 700 *
36.0	46.8	37.4	7 600 *
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	91 500 *
14.0	77.6	52.9	85 200 *
15.0	76.4	52.6	76 900 *
16.0	75.3	52.3	69 800 *
18.0	73.0	51.7	58 200 *
20.0	70.6	51.0	49 100 *
22.0	68.3	50.2	41 600 *
24.0	65.8	49.4	35 500 *
26.0	63.4	48.4	29 600 *
28.0	60.8	47.3	24 000 *
30.0	58.3	46.0	19 200 *
32.0	55.6	44.7	15 100 *
34.0	52.8	43.2	11 500 *
36.0	50.0	41.5	8 400 *
38.0	47.0	39.7	5 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	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	87 100 *
14.0	78.3	56.0	82 500 *
15.0	77.2	55.7	76 000 *
16.0	76.1	55.5	68 700 *
18.0	74.0	54.9	57 200 *
20.0	71.8	54.3	48 100 *
22.0	69.5	53.5	40 800 *
24.0	67.3	52.7	34 800 *
26.0	65.0	51.8	29 700 *
28.0	62.6	50.7	24 600 *
30.0	60.2	49.6	19 700 *
32.0	57.8	48.4	15 600 *
34.0	55.2	47.0	11 900 *
36.0	52.6	45.5	8 700 *
38.0	49.9	43.8	5 900 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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
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	76 200 *
15.0	77.9	58.9	72 700 *
16.0	76.9	58.6	68 100 *
18.0	74.8	58.1	56 300 *
20.0	72.8	57.5	47 300 *
22.0	70.7	56.8	40 100 *
24.0	68.5	56.0	34 100 *
26.0	66.4	55.1	29 000 *
28.0	64.2	54.2	24 600 *
30.0	61.9	53.1	20 300 *
32.0	59.7	52.0	16 000 *
34.0	57.3	50.7	12 300 *
36.0	54.9	49.3	9 100 *
38.0	52.4	47.8	6 300 *

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	68 700 *
16.0	77.5	61.8	65 100 *
18.0	75.6	61.3	55 800 *
20.0	73.6	60.7	46 500 *
22.0	71.7	60.0	39 300 *
24.0	69.7	59.3	33 400 *
26.0	67.6	58.5	28 400 *
28.0	65.6	57.6	24 100 *
30.0	63.5	56.6	20 300 *
32.0	61.3	55.5	16 300 *
34.0	59.2	54.3	12 600 *
36.0	56.9	53.0	9 400 *
38.0	54.6	51.6	6 500 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	201 800 *
8.0	77.8	26.1	190 400 *
8.5	76.6	26.0	178 300 *
9.0	75.4	25.8	167 500 *
10.0	72.9	25.5	148 500 *
11.0	70.4	25.1	127 200 *
12.0	67.8	24.7	108 700 *
13.0	65.2	24.2	93 600 *
14.0	62.6	23.7	81 100 *
15.0	59.8	23.1	70 600 *
16.0	57.0	22.4	61 600 *
18.0	51.1	20.8	47 200 *
20.0	44.5	18.9	35 900 *
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	198 400 *
8.0	79.2	29.2	191 100 *
8.5	78.1	29.1	178 800 *
9.0	77.0	29.0	168 000 *
10.0	74.9	28.7	149 500 *
11.0	72.7	28.4	132 200 *
12.0	70.4	28.0	113 100 *
13.0	68.2	27.6	97 800 *
14.0	65.9	27.1	85 100 *
15.0	63.5	26.6	74 400 *
16.0	61.1	26.0	65 300 *
18.0	56.1	24.7	50 600 *
20.0	50.8	23.1	39 300 *
22.0	45.0	21.2	30 200 *
24.0	38.5	18.8	22 500 *

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	187 800 *
8.5	79.3	32.2	179 300 *
9.0	78.4	32.1	168 300 *
10.0	76.4	31.9	149 800 *
11.0	74.5	31.6	133 400 *
12.0	72.5	31.2	116 800 *
13.0	70.5	30.9	101 400 *
14.0	68.5	30.5	88 500 *
15.0	66.4	30.0	77 600 *
16.0	64.3	29.5	68 300 *
18.0	60.0	28.4	53 400 *
20.0	55.4	27.0	41 900 *
22.0	50.6	25.4	32 700 *
24.0	45.4	23.5	25 200 *
26.0	39.7	21.2	18 900 *
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	139 500 *
11.0	75.9	34.7	132 000 *
12.0	74.1	34.4	116 100 *
13.0	72.3	34.1	103 100 *
14.0	70.5	33.8	91 200 *
15.0	68.7	33.3	80 800 *
16.0	66.8	32.9	71 300 *
18.0	63.0	31.9	56 000 *
20.0	59.0	30.7	44 300 *
22.0	54.9	29.3	35 000 *
24.0	50.5	27.7	27 400 *
26.0	45.8	25.8	21 100 *
28.0	40.6	23.6	15 700 *
30.0	34.9	20.9	10 900 *

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	138 000 *
11.0	77.1	37.9	129 700 *
12.0	75.5	37.6	114 100 *
13.0	73.9	37.3	101 500 *
14.0	72.2	37.0	90 900 *
15.0	70.5	36.6	81 500 *
16.0	68.9	36.2	72 700 *
18.0	65.4	35.3	58 100 *
20.0	61.9	34.3	46 100 *
22.0	58.2	33.1	36 700 *
24.0	54.4	31.7	29 000 *
26.0	50.4	30.0	22 700 *
28.0	46.1	28.2	17 300 *
30.0	41.4	26.0	12 700 *
32.0	36.3	23.4	8 600 *
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	133 900 *
11.0	78.1	41.0	127 300 *
12.0	76.6	40.8	112 100 *
13.0	75.1	40.5	99 800 *
14.0	73.6	40.2	89 500 *
15.0	72.1	39.9	80 700 *
16.0	70.6	39.5	73 000 *
18.0	67.4	38.7	59 500 *
20.0	64.2	37.7	48 000 *
22.0	60.9	36.6	38 500 *
24.0	57.5	35.4	30 700 *
26.0	54.0	34.0	24 300 *
28.0	50.3	32.3	18 900 *
30.0	46.3	30.5	14 300 *
32.0	42.0	28.3	10 300 *
34.0	37.4	25.8	6 700 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	130 900 *
11.0	79.0	44.2	123 300 *
12.0	77.6	43.9	110 000 *
13.0	76.2	43.7	97 800 *
14.0	74.8	43.4	87 700 *
15.0	73.4	43.1	79 100 *
16.0	72.0	42.8	71 700 *
18.0	69.1	42.0	59 500 *
20.0	66.2	41.1	49 200 *
22.0	63.2	40.1	39 700 *
24.0	60.1	39.0	31 800 *
26.0	56.9	37.7	25 400 *
28.0	53.6	36.3	19 900 *
30.0	50.2	34.6	15 300 *
32.0	46.5	32.8	11 300 *
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	108 700 *
12.0	78.5	47.1	103 100 *
13.0	77.2	46.8	97 100 *
14.0	75.9	46.6	86 700 *
15.0	74.6	46.3	78 100 *
16.0	73.3	46.0	70 800 *
18.0	70.6	45.3	58 800 *
20.0	67.9	44.5	49 300 *
22.0	65.2	43.6	41 000 *
24.0	62.3	42.5	33 000 *
26.0	59.4	41.4	26 400 *
28.0	56.4	40.0	20 900 *
30.0	53.3	38.6	16 300 *
32.0	50.1	36.9	12 200 *
34.0	46.7	35.1	8 600 *
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	98 800 *
13.0	78.0	50.0	93 400 *
14.0	76.8	49.7	84 900 *
15.0	75.6	49.4	76 500 *
16.0	74.3	49.2	69 300 *
18.0	71.9	48.5	57 500 *
20.0	69.4	47.8	48 300 *
22.0	66.8	46.9	40 800 *
24.0	64.2	46.0	33 900 *
26.0	61.5	44.9	27 200 *
28.0	58.8	43.7	21 600 *
30.0	56.0	42.4	16 900 *
32.0	53.1	40.9	12 800 *
34.0	50.0	39.2	9 300 *
36.0	46.8	37.4	6 200 *
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	89 800 *
14.0	77.6	52.9	83 500 *
15.0	76.4	52.6	75 200 *
16.0	75.3	52.3	68 100 *
18.0	73.0	51.7	56 600 *
20.0	70.6	51.0	47 500 *
22.0	68.3	50.2	40 100 *
24.0	65.8	49.4	34 000 *
26.0	63.4	48.4	28 200 *
28.0	60.8	47.3	22 500 *
30.0	58.3	46.0	17 800 *
32.0	55.6	44.7	13 700 *
34.0	52.8	43.2	10 100 *
36.0	50.0	41.5	7 000 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	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	85 500 *
14.0	78.3	56.0	80 900 *
15.0	77.2	55.7	74 300 *
16.0	76.1	55.5	67 000 *
18.0	74.0	54.9	55 600 *
20.0	71.8	54.3	46 600 *
22.0	69.5	53.5	39 300 *
24.0	67.3	52.7	33 300 *
26.0	65.0	51.8	28 200 *
28.0	62.6	50.7	23 200 *
30.0	60.2	49.6	18 300 *
32.0	57.8	48.4	14 200 *
34.0	55.2	47.0	10 600 *
36.0	52.6	45.5	7 400 *
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	74 700 *
15.0	77.9	58.9	71 200 *
16.0	76.9	58.6	66 500 *
18.0	74.8	58.1	54 800 *
20.0	72.8	57.5	45 800 *
22.0	70.7	56.8	38 600 *
24.0	68.5	56.0	32 600 *
26.0	66.4	55.1	27 600 *
28.0	64.2	54.2	23 200 *
30.0	61.9	53.1	18 900 *
32.0	59.7	52.0	14 700 *
34.0	57.3	50.7	11 000 *
36.0	54.9	49.3	7 800 *
38.0	52.4	47.8	5 000 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	67 200 *
16.0	77.5	61.8	63 600 *
18.0	75.6	61.3	54 200 *
20.0	73.6	60.7	45 000 *
22.0	71.7	60.0	37 800 *
24.0	69.7	59.3	31 900 *
26.0	67.6	58.5	27 000 *
28.0	65.6	57.6	22 700 *
30.0	63.5	56.6	18 900 *
32.0	61.3	55.5	15 000 *
34.0	59.2	54.3	11 300 *
36.0	56.9	53.0	8 100 *
38.0	54.6	51.6	5 300 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	199 500 *
8.0	77.8	26.1	188 800 *
8.5	76.6	26.0	176 800 *
9.0	75.4	25.8	166 000 *
10.0	72.9	25.5	146 700 *
11.0	70.4	25.1	124 700 *
12.0	67.8	24.7	106 200 *
13.0	65.2	24.2	91 200 *
14.0	62.6	23.7	78 700 *
15.0	59.8	23.1	68 300 *
16.0	57.0	22.4	59 300 *
18.0	51.1	20.8	44 900 *
20.0	44.5	18.9	33 700 *
22.0	37.0	16.4	23 100 *
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	195 800 *
8.0	79.2	29.2	189 800 *
8.5	78.1	29.1	177 300 *
9.0	77.0	29.0	166 600 *
10.0	74.9	28.7	148 100 *
11.0	72.7	28.4	129 700 *
12.0	70.4	28.0	110 800 *
13.0	68.2	27.6	95 500 *
14.0	65.9	27.1	82 900 *
15.0	63.5	26.6	72 200 *
16.0	61.1	26.0	63 100 *
18.0	56.1	24.7	48 500 *
20.0	50.8	23.1	37 300 *
22.0	45.0	21.2	28 200 *
24.0	38.5	18.8	20 500 *

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	185 600 *
8.5	79.3	32.2	177 800 *
9.0	78.4	32.1	166 900 *
10.0	76.4	31.9	148 400 *
11.0	74.5	31.6	131 000 *
12.0	72.5	31.2	114 600 *
13.0	70.5	30.9	99 200 *
14.0	68.5	30.5	86 300 *
15.0	66.4	30.0	75 500 *
16.0	64.3	29.5	66 200 *
18.0	60.0	28.4	51 400 *
20.0	55.4	27.0	39 900 *
22.0	50.6	25.4	30 800 *
24.0	45.4	23.5	23 400 *
26.0	39.7	21.2	17 100 *
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	137 800 *
11.0	75.9	34.7	129 800 *
12.0	74.1	34.4	113 900 *
13.0	72.3	34.1	101 000 *
14.0	70.5	33.8	89 600 *
15.0	68.7	33.3	78 800 *
16.0	66.8	32.9	69 300 *
18.0	63.0	31.9	54 100 *
20.0	59.0	30.7	42 500 *
22.0	54.9	29.3	33 200 *
24.0	50.5	27.7	25 600 *
26.0	45.8	25.8	19 400 *
28.0	40.6	23.6	14 000 *
30.0	34.9	20.9	9 200 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	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	136 700 *
11.0	77.1	37.9	127 500 *
12.0	75.5	37.6	112 000 *
13.0	73.9	37.3	99 500 *
14.0	72.2	37.0	89 000 *
15.0	70.5	36.6	79 800 *
16.0	68.9	36.2	71 200 *
18.0	65.4	35.3	56 300 *
20.0	61.9	34.3	44 400 *
22.0	58.2	33.1	35 000 *
24.0	54.4	31.7	27 300 *
26.0	50.4	30.0	21 000 *
28.0	46.1	28.2	15 700 *
30.0	41.4	26.0	11 100 *
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	132 400 *
11.0	78.1	41.0	125 200 *
12.0	76.6	40.8	110 100 *
13.0	75.1	40.5	97 800 *
14.0	73.6	40.2	87 600 *
15.0	72.1	39.9	78 800 *
16.0	70.6	39.5	71 300 *
18.0	67.4	38.7	58 200 *
20.0	64.2	37.7	46 300 *
22.0	60.9	36.6	36 800 *
24.0	57.5	35.4	29 100 *
26.0	54.0	34.0	22 700 *
28.0	50.3	32.3	17 400 *
30.0	46.3	30.5	12 800 *
32.0	42.0	28.3	8 800 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	129 300 *
11.0	79.0	44.2	121 500 *
12.0	77.6	43.9	108 000 *
13.0	76.2	43.7	95 900 *
14.0	74.8	43.4	85 800 *
15.0	73.4	43.1	77 300 *
16.0	72.0	42.8	69 900 *
18.0	69.1	42.0	57 800 *
20.0	66.2	41.1	47 700 *
22.0	63.2	40.1	38 000 *
24.0	60.1	39.0	30 300 *
26.0	56.9	37.7	23 900 *
28.0	53.6	36.3	18 400 *
30.0	50.2	34.6	13 800 *
32.0	46.5	32.8	9 800 *
34.0	42.6	30.7	6 300 *
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	101 500 *
13.0	77.2	46.8	95 200 *
14.0	75.9	46.6	84 900 *
15.0	74.6	46.3	76 400 *
16.0	73.3	46.0	69 000 *
18.0	70.6	45.3	57 100 *
20.0	67.9	44.5	47 700 *
22.0	65.2	43.6	39 600 *
24.0	62.3	42.5	31 500 *
26.0	59.4	41.4	25 000 *
28.0	56.4	40.0	19 500 *
30.0	53.3	38.6	14 800 *
32.0	50.1	36.9	10 800 *
34.0	46.7	35.1	7 300 *
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	97 200 *
13.0	78.0	50.0	91 700 *
14.0	76.8	49.7	83 100 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
15.0	75.6	49.4	74 800 *
16.0	74.3	49.2	67 600 *
18.0	71.9	48.5	55 900 *
20.0	69.4	47.8	46 700 *
22.0	66.8	46.9	39 300 *
24.0	64.2	46.0	32 400 *
26.0	61.5	44.9	25 800 *
28.0	58.8	43.7	20 200 *
30.0	56.0	42.4	15 500 *
32.0	53.1	40.9	11 500 *
34.0	50.0	39.2	8 000 *
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	88 300 *
14.0	77.6	52.9	81 700 *
15.0	76.4	52.6	73 500 *
16.0	75.3	52.3	66 500 *
18.0	73.0	51.7	55 000 *
20.0	70.6	51.0	46 000 *
22.0	68.3	50.2	38 700 *
24.0	65.8	49.4	32 600 *
26.0	63.4	48.4	26 800 *
28.0	60.8	47.3	21 200 *
30.0	58.3	46.0	16 400 *
32.0	55.6	44.7	12 300 *
34.0	52.8	43.2	8 800 *
36.0	50.0	41.5	5 700 *
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	83 900 *
14.0	78.3	56.0	79 300 *
15.0	77.2	55.7	72 600 *
16.0	76.1	55.5	65 500 *
18.0	74.0	54.9	54 000 *
20.0	71.8	54.3	45 100 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
22.0	69.5	53.5	37 900 *
24.0	67.3	52.7	31 900 *
26.0	65.0	51.8	26 800 *
28.0	62.6	50.7	21 800 *
30.0	60.2	49.6	17 000 *
32.0	57.8	48.4	12 800 *
34.0	55.2	47.0	9 300 *
36.0	52.6	45.5	6 100 *
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	73 300 *
15.0	77.9	58.9	69 700 *
16.0	76.9	58.6	65 100 *
18.0	74.8	58.1	53 200 *
20.0	72.8	57.5	44 300 *
22.0	70.7	56.8	37 100 *
24.0	68.5	56.0	31 200 *
26.0	66.4	55.1	26 200 *
28.0	64.2	54.2	21 900 *
30.0	61.9	53.1	17 600 *
32.0	59.7	52.0	13 300 *
34.0	57.3	50.7	9 800 *
36.0	54.9	49.3	6 600 *
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	65 700 *
16.0	77.5	61.8	62 100 *
18.0	75.6	61.3	52 700 *
20.0	73.6	60.7	43 600 *
22.0	71.7	60.0	36 400 *
24.0	69.7	59.3	30 500 *
26.0	67.6	58.5	25 600 *
28.0	65.6	57.6	21 400 *
30.0	63.5	56.6	17 700 *
32.0	61.3	55.5	13 700 *
34.0	59.2	54.3	10 100 *
36.0	56.9	53.0	6 900 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	196 200 *
8.0	77.8	26.1	187 300 *
8.5	76.6	26.0	175 100 *
9.0	75.4	25.8	164 300 *
10.0	72.9	25.5	144 700 *
11.0	70.4	25.1	121 900 *
12.0	67.8	24.7	103 500 *
13.0	65.2	24.2	88 600 *
14.0	62.6	23.7	76 200 *
15.0	59.8	23.1	65 700 *
16.0	57.0	22.4	56 800 *
18.0	51.1	20.8	42 500 *
20.0	44.5	18.9	31 400 *
22.0	37.0	16.4	20 800 *
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	192 800 *
8.0	79.2	29.2	188 300 *
8.5	78.1	29.1	175 700 *
9.0	77.0	29.0	165 000 *
10.0	74.9	28.7	146 500 *
11.0	72.7	28.4	127 100 *
12.0	70.4	28.0	108 300 *
13.0	68.2	27.6	93 000 *
14.0	65.9	27.1	80 500 *
15.0	63.5	26.6	69 900 *
16.0	61.1	26.0	60 800 *
18.0	56.1	24.7	46 300 *
20.0	50.8	23.1	35 100 *
22.0	45.0	21.2	26 000 *
24.0	38.5	18.8	18 400 *

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	182 800 *
8.5	79.3	32.2	176 200 *
9.0	78.4	32.1	165 300 *
10.0	76.4	31.9	146 800 *
11.0	74.5	31.6	128 500 *
12.0	72.5	31.2	112 200 *
13.0	70.5	30.9	96 900 *
14.0	68.5	30.5	84 100 *
15.0	66.4	30.0	73 300 *
16.0	64.3	29.5	64 000 *
18.0	60.0	28.4	49 200 *
20.0	55.4	27.0	37 900 *
22.0	50.6	25.4	28 800 *
24.0	45.4	23.5	21 400 *
26.0	39.7	21.2	15 100 *
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	135 900 *
11.0	75.9	34.7	127 300 *
12.0	74.1	34.4	111 600 *
13.0	72.3	34.1	98 800 *
14.0	70.5	33.8	87 600 *
15.0	68.7	33.3	76 600 *
16.0	66.8	32.9	67 200 *
18.0	63.0	31.9	52 000 *
20.0	59.0	30.7	40 500 *
22.0	54.9	29.3	31 200 *
24.0	50.5	27.7	23 700 *
26.0	45.8	25.8	17 500 *
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	135 100 *
11.0	77.1	37.9	125 100 *
12.0	75.5	37.6	109 800 *
13.0	73.9	37.3	97 200 *
14.0	72.2	37.0	86 800 *
15.0	70.5	36.6	77 900 *
16.0	68.9	36.2	69 600 *
18.0	65.4	35.3	54 300 *
20.0	61.9	34.3	42 500 *
22.0	58.2	33.1	33 100 *
24.0	54.4	31.7	25 500 *
26.0	50.4	30.0	19 200 *
28.0	46.1	28.2	13 900 *
30.0	41.4	26.0	9 300 *
32.0	36.3	23.4	5 300 *
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	130 600 *
11.0	78.1	41.0	122 900 *
12.0	76.6	40.8	107 900 *
13.0	75.1	40.5	95 700 *
14.0	73.6	40.2	85 500 *
15.0	72.1	39.9	76 800 *
16.0	70.6	39.5	69 300 *
18.0	67.4	38.7	56 300 *
20.0	64.2	37.7	44 400 *
22.0	60.9	36.6	35 000 *
24.0	57.5	35.4	27 300 *
26.0	54.0	34.0	21 000 *
28.0	50.3	32.3	15 700 *
30.0	46.3	30.5	11 100 *
32.0	42.0	28.3	7 100 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	127 600 *
11.0	79.0	44.2	119 500 *
12.0	77.6	43.9	105 900 *
13.0	76.2	43.7	93 800 *
14.0	74.8	43.4	83 800 *
15.0	73.4	43.1	75 300 *
16.0	72.0	42.8	68 000 *
18.0	69.1	42.0	56 000 *
20.0	66.2	41.1	45 900 *
22.0	63.2	40.1	36 300 *
24.0	60.1	39.0	28 600 *
26.0	56.9	37.7	22 200 *
28.0	53.6	36.3	16 800 *
30.0	50.2	34.6	12 100 *
32.0	46.5	32.8	8 200 *
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	99 800 *
13.0	77.2	46.8	93 200 *
14.0	75.9	46.6	82 900 *
15.0	74.6	46.3	74 400 *
16.0	73.3	46.0	67 200 *
18.0	70.6	45.3	55 300 *
20.0	67.9	44.5	46 000 *
22.0	65.2	43.6	37 900 *
24.0	62.3	42.5	29 800 *
26.0	59.4	41.4	23 300 *
28.0	56.4	40.0	17 900 *
30.0	53.3	38.6	13 200 *
32.0	50.1	36.9	9 200 *
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	95 400 *
13.0	78.0	50.0	90 000 *
14.0	76.8	49.7	81 200 *
15.0	75.6	49.4	72 900 *
16.0	74.3	49.2	65 800 *
18.0	71.9	48.5	54 100 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
20.0	69.4	47.8	45 000 *
22.0	66.8	46.9	37 600 *
24.0	64.2	46.0	30 700 *
26.0	61.5	44.9	24 200 *
28.0	58.8	43.7	18 700 *
30.0	56.0	42.4	14 000 *
32.0	53.1	40.9	9 900 *
34.0	50.0	39.2	6 400 *
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	86 500 *
14.0	77.6	52.9	79 900 *
15.0	76.4	52.6	71 700 *
16.0	75.3	52.3	64 700 *
18.0	73.0	51.7	53 300 *
20.0	70.6	51.0	44 300 *
22.0	68.3	50.2	37 100 *
24.0	65.8	49.4	31 000 *
26.0	63.4	48.4	25 200 *
28.0	60.8	47.3	19 600 *
30.0	58.3	46.0	14 900 *
32.0	55.6	44.7	10 800 *
34.0	52.8	43.2	7 300 *
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	82 200 *
14.0	78.3	56.0	77 700 *
15.0	77.2	55.7	70 800 *
16.0	76.1	55.5	63 700 *
18.0	74.0	54.9	52 300 *
20.0	71.8	54.3	43 500 *
22.0	69.5	53.5	36 300 *
24.0	67.3	52.7	30 300 *
26.0	65.0	51.8	25 300 *
28.0	62.6	50.7	20 300 *
30.0	60.2	49.6	15 500 *
32.0	57.8	48.4	11 400 *
34.0	55.2	47.0	7 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	68 100 *
16.0	76.9	58.6	63 400 *
18.0	74.8	58.1	51 600 *
20.0	72.8	57.5	42 700 *
22.0	70.7	56.8	35 600 *
24.0	68.5	56.0	29 700 *
26.0	66.4	55.1	24 700 *
28.0	64.2	54.2	20 400 *
30.0	61.9	53.1	16 100 *
32.0	59.7	52.0	11 900 *
34.0	57.3	50.7	8 300 *
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	64 100 *
16.0	77.5	61.8	60 500 *
18.0	75.6	61.3	51 000 *
20.0	73.6	60.7	42 000 *
22.0	71.7	60.0	34 900 *
24.0	69.7	59.3	29 000 *
26.0	67.6	58.5	24 100 *
28.0	65.6	57.6	19 900 *
30.0	63.5	56.6	16 200 *
32.0	61.3	55.5	12 300 *
34.0	59.2	54.3	8 700 *
36.0	56.9	53.0	5 500 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	193 500 *
8.0	77.8	26.1	186 100 *
8.5	76.6	26.0	173 700 *
9.0	75.4	25.8	162 900 *
10.0	72.9	25.5	143 100 *
11.0	70.4	25.1	119 600 *
12.0	67.8	24.7	101 300 *
13.0	65.2	24.2	86 400 *
14.0	62.6	23.7	74 100 *
15.0	59.8	23.1	63 700 *
16.0	57.0	22.4	54 900 *
18.0	51.1	20.8	40 600 *
20.0	44.5	18.9	29 500 *
22.0	37.0	16.4	19 100 *
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	189 900 *
8.0	79.2	29.2	186 000 *
8.5	78.1	29.1	174 500 *
9.0	77.0	29.0	163 700 *
10.0	74.9	28.7	145 200 *
11.0	72.7	28.4	124 900 *
12.0	70.4	28.0	106 200 *
13.0	68.2	27.6	91 000 *
14.0	65.9	27.1	78 500 *
15.0	63.5	26.6	68 000 *
16.0	61.1	26.0	59 000 *
18.0	56.1	24.7	44 500 *
20.0	50.8	23.1	33 300 *
22.0	45.0	21.2	24 400 *
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	180 200 *
8.5	79.3	32.2	174 700 *
9.0	78.4	32.1	164 100 *
10.0	76.4	31.9	145 300 *
11.0	74.5	31.6	126 400 *
12.0	72.5	31.2	110 200 *
13.0	70.5	30.9	95 000 *
14.0	68.5	30.5	82 200 *
15.0	66.4	30.0	71 500 *
16.0	64.3	29.5	62 300 *
18.0	60.0	28.4	47 500 *
20.0	55.4	27.0	36 200 *
22.0	50.6	25.4	27 200 *
24.0	45.4	23.5	19 900 *
26.0	39.7	21.2	13 700 *
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	134 200 *
11.0	75.9	34.7	125 300 *
12.0	74.1	34.4	109 700 *
13.0	72.3	34.1	97 000 *
14.0	70.5	33.8	85 900 *
15.0	68.7	33.3	74 900 *
16.0	66.8	32.9	65 500 *
18.0	63.0	31.9	50 400 *
20.0	59.0	30.7	38 900 *
22.0	54.9	29.3	29 700 *
24.0	50.5	27.7	22 200 *
26.0	45.8	25.8	16 100 *
28.0	40.6	23.6	10 800 *
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	134 000 *
11.0	77.1	37.9	123 200 *
12.0	75.5	37.6	107 900 *
13.0	73.9	37.3	95 500 *
14.0	72.2	37.0	85 100 *
15.0	70.5	36.6	76 200 *
16.0	68.9	36.2	67 900 *
18.0	65.4	35.3	52 700 *
20.0	61.9	34.3	41 000 *
22.0	58.2	33.1	31 600 *
24.0	54.4	31.7	24 100 *
26.0	50.4	30.0	17 800 *
28.0	46.1	28.2	12 500 *
30.0	41.4	26.0	8 000 *
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	129 000 *
11.0	78.1	41.0	121 100 *
12.0	76.6	40.8	106 200 *
13.0	75.1	40.5	94 000 *
14.0	73.6	40.2	83 900 *
15.0	72.1	39.9	75 200 *
16.0	70.6	39.5	67 700 *
18.0	67.4	38.7	54 800 *
20.0	64.2	37.7	43 000 *
22.0	60.9	36.6	33 600 *
24.0	57.5	35.4	26 000 *
26.0	54.0	34.0	19 700 *
28.0	50.3	32.3	14 400 *
30.0	46.3	30.5	9 800 *
32.0	42.0	28.3	5 900 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	126 000 *
11.0	79.0	44.2	117 700 *
12.0	77.6	43.9	104 200 *
13.0	76.2	43.7	92 200 *
14.0	74.8	43.4	82 200 *
15.0	73.4	43.1	73 800 *
16.0	72.0	42.8	66 500 *
18.0	69.1	42.0	54 500 *
20.0	66.2	41.1	44 600 *
22.0	63.2	40.1	35 000 *
24.0	60.1	39.0	27 300 *
26.0	56.9	37.7	20 900 *
28.0	53.6	36.3	15 500 *
30.0	50.2	34.6	11 000 *
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	98 200 *
13.0	77.2	46.8	91 500 *
14.0	75.9	46.6	81 300 *
15.0	74.6	46.3	73 000 *
16.0	73.3	46.0	65 700 *
18.0	70.6	45.3	53 900 *
20.0	67.9	44.5	44 600 *
22.0	65.2	43.6	36 600 *
24.0	62.3	42.5	28 600 *
26.0	59.4	41.4	22 100 *
28.0	56.4	40.0	16 700 *
30.0	53.3	38.6	12 100 *
32.0	50.1	36.9	8 100 *
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	93 900 *
13.0	78.0	50.0	88 400 *
14.0	76.8	49.7	79 700 *
15.0	75.6	49.4	71 400 *
16.0	74.3	49.2	64 400 *
18.0	71.9	48.5	52 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
20.0	69.4	47.8	43 800 *
22.0	66.8	46.9	36 300 *
24.0	64.2	46.0	29 600 *
26.0	61.5	44.9	23 000 *
28.0	58.8	43.7	17 500 *
30.0	56.0	42.4	12 800 *
32.0	53.1	40.9	8 800 *
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	85 000 *
14.0	77.6	52.9	78 400 *
15.0	76.4	52.6	70 300 *
16.0	75.3	52.3	63 300 *
18.0	73.0	51.7	52 000 *
20.0	70.6	51.0	43 100 *
22.0	68.3	50.2	35 800 *
24.0	65.8	49.4	29 800 *
26.0	63.4	48.4	24 000 *
28.0	60.8	47.3	18 500 *
30.0	58.3	46.0	13 800 *
32.0	55.6	44.7	9 800 *
34.0	52.8	43.2	6 300 *
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	80 600 *
14.0	78.3	56.0	76 100 *
15.0	77.2	55.7	69 400 *
16.0	76.1	55.5	62 300 *
18.0	74.0	54.9	51 000 *
20.0	71.8	54.3	42 200 *
22.0	69.5	53.5	35 100 *
24.0	67.3	52.7	29 200 *
26.0	65.0	51.8	24 200 *
28.0	62.6	50.7	19 300 *
30.0	60.2	49.6	14 400 *
32.0	57.8	48.4	10 300 *
34.0	55.2	47.0	6 800 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	66 600 *
16.0	76.9	58.6	62 000 *
18.0	74.8	58.1	50 300 *
20.0	72.8	57.5	41 500 *
22.0	70.7	56.8	34 400 *
24.0	68.5	56.0	28 600 *
26.0	66.4	55.1	23 600 *
28.0	64.2	54.2	19 400 *
30.0	61.9	53.1	15 100 *
32.0	59.7	52.0	10 900 *
34.0	57.3	50.7	7 300 *
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	62 700 *
16.0	77.5	61.8	59 100 *
18.0	75.6	61.3	49 800 *
20.0	73.6	60.7	40 800 *
22.0	71.7	60.0	33 700 *
24.0	69.7	59.3	27 900 *
26.0	67.6	58.5	23 100 *
28.0	65.6	57.6	18 900 *
30.0	63.5	56.6	15 200 *
32.0	61.3	55.5	11 300 *
34.0	59.2	54.3	7 700 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	190 000 *
8.0	77.8	26.1	184 400 *
8.5	76.6	26.0	172 000 *
9.0	75.4	25.8	161 200 *
10.0	72.9	25.5	140 600 *
11.0	70.4	25.1	116 800 *
12.0	67.8	24.7	98 500 *
13.0	65.2	24.2	83 700 *
14.0	62.6	23.7	71 400 *
15.0	59.8	23.1	61 100 *
16.0	57.0	22.4	52 300 *
18.0	51.1	20.8	38 100 *
20.0	44.5	18.9	27 000 *
22.0	37.0	16.4	16 700 *
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	187 200 *
8.0	79.2	29.2	183 300 *
8.5	78.1	29.1	172 800 *
9.0	77.0	29.0	162 000 *
10.0	74.9	28.7	143 200 *
11.0	72.7	28.4	122 200 *
12.0	70.4	28.0	103 500 *
13.0	68.2	27.6	88 400 *
14.0	65.9	27.1	76 000 *
15.0	63.5	26.6	65 500 *
16.0	61.1	26.0	56 500 *
18.0	56.1	24.7	42 100 *
20.0	50.8	23.1	31 000 *
22.0	45.0	21.2	22 100 *
24.0	38.5	18.8	14 600 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	186 200 *
7.0	82.2	32.5	184 200 *
7.5	81.2	32.4	180 900 *
8.0	80.3	32.3	177 700 *
8.5	79.3	32.2	172 900 *
9.0	78.4	32.1	162 500 *
10.0	76.4	31.9	143 400 *
11.0	74.5	31.6	123 800 *
12.0	72.5	31.2	107 700 *
13.0	70.5	30.9	92 500 *
14.0	68.5	30.5	79 800 *
15.0	66.4	30.0	69 100 *
16.0	64.3	29.5	60 000 *
18.0	60.0	28.4	45 300 *
20.0	55.4	27.0	34 100 *
22.0	50.6	25.4	25 100 *
24.0	45.4	23.5	17 800 *
26.0	39.7	21.2	11 600 *
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	132 400 *
11.0	75.9	34.7	122 800 *
12.0	74.1	34.4	107 300 *
13.0	72.3	34.1	94 600 *
14.0	70.5	33.8	83 500 *
15.0	68.7	33.3	72 600 *
16.0	66.8	32.9	63 300 *
18.0	63.0	31.9	48 300 *
20.0	59.0	30.7	36 800 *
22.0	54.9	29.3	27 600 *
24.0	50.5	27.7	20 200 *
26.0	45.8	25.8	14 100 *
28.0	40.6	23.6	8 800 *

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	132 500 *
11.0	77.1	37.9	120 700 *
12.0	75.5	37.6	105 600 *
13.0	73.9	37.3	93 200 *
14.0	72.2	37.0	82 900 *
15.0	70.5	36.6	74 000 *
16.0	68.9	36.2	65 800 *
18.0	65.4	35.3	50 700 *
20.0	61.9	34.3	38 900 *
22.0	58.2	33.1	29 700 *
24.0	54.4	31.7	22 200 *
26.0	50.4	30.0	15 900 *
28.0	46.1	28.2	10 700 *
30.0	41.4	26.0	6 200 *
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	127 400 *
11.0	78.1	41.0	118 700 *
12.0	76.6	40.8	103 900 *
13.0	75.1	40.5	91 800 *
14.0	73.6	40.2	81 700 *
15.0	72.1	39.9	73 100 *
16.0	70.6	39.5	65 700 *
18.0	67.4	38.7	52 800 *
20.0	64.2	37.7	41 100 *
22.0	60.9	36.6	31 700 *
24.0	57.5	35.4	24 100 *
26.0	54.0	34.0	17 900 *
28.0	50.3	32.3	12 600 *
30.0	46.3	30.5	8 100 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	124 400 *
11.0	79.0	44.2	115 900 *
12.0	77.6	43.9	101 900 *
13.0	76.2	43.7	90 000 *
14.0	74.8	43.4	80 200 *
15.0	73.4	43.1	71 800 *
16.0	72.0	42.8	64 500 *
18.0	69.1	42.0	52 600 *
20.0	66.2	41.1	42 700 *
22.0	63.2	40.1	33 100 *
24.0	60.1	39.0	25 500 *
26.0	56.9	37.7	19 100 *
28.0	53.6	36.3	13 800 *
30.0	50.2	34.6	9 300 *
32.0	46.5	32.8	5 300 *
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	102 300 *
12.0	78.5	47.1	96 700 *
13.0	77.2	46.8	89 300 *
14.0	75.9	46.6	79 300 *
15.0	74.6	46.3	70 900 *
16.0	73.3	46.0	63 700 *
18.0	70.6	45.3	52 100 *
20.0	67.9	44.5	42 800 *
22.0	65.2	43.6	34 800 *
24.0	62.3	42.5	26 800 *
26.0	59.4	41.4	20 400 *
28.0	56.4	40.0	15 000 *
30.0	53.3	38.6	10 400 *
32.0	50.1	36.9	6 400 *

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	92 300 *
13.0	78.0	50.0	86 800 *
14.0	76.8	49.7	77 700 *
15.0	75.6	49.4	69 500 *
16.0	74.3	49.2	62 400 *
18.0	71.9	48.5	51 000 *
20.0	69.4	47.8	42 000 *
22.0	66.8	46.9	34 600 *
24.0	64.2	46.0	27 900 *
26.0	61.5	44.9	21 300 *
28.0	58.8	43.7	15 900 *
30.0	56.0	42.4	11 200 *
32.0	53.1	40.9	7 300 *
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	83 400 *
14.0	77.6	52.9	76 500 *
15.0	76.4	52.6	68 400 *
16.0	75.3	52.3	61 400 *
18.0	73.0	51.7	50 200 *
20.0	70.6	51.0	41 300 *
22.0	68.3	50.2	34 100 *
24.0	65.8	49.4	28 200 *
26.0	63.4	48.4	22 400 *
28.0	60.8	47.3	16 900 *
30.0	58.3	46.0	12 300 *
32.0	55.6	44.7	8 200 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	79 100 *
14.0	78.3	56.0	74 600 *
15.0	77.2	55.7	67 500 *
16.0	76.1	55.5	60 500 *
18.0	74.0	54.9	49 300 *
20.0	71.8	54.3	40 500 *
22.0	69.5	53.5	33 400 *
24.0	67.3	52.7	27 600 *
26.0	65.0	51.8	22 600 *
28.0	62.6	50.7	17 700 *
30.0	60.2	49.6	12 900 *
32.0	57.8	48.4	8 800 *
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	65 200 *
16.0	76.9	58.6	60 400 *
18.0	74.8	58.1	48 600 *
20.0	72.8	57.5	39 800 *
22.0	70.7	56.8	32 800 *
24.0	68.5	56.0	27 000 *
26.0	66.4	55.1	22 100 *
28.0	64.2	54.2	17 800 *
30.0	61.9	53.1	13 600 *
32.0	59.7	52.0	9 400 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	186 600 *
8.0	77.8	26.1	182 300 *
8.5	76.6	26.0	170 300 *
9.0	75.4	25.8	159 500 *
10.0	72.9	25.5	137 500 *
11.0	70.4	25.1	113 900 *
12.0	67.8	24.7	95 700 *
13.0	65.2	24.2	81 000 *
14.0	62.6	23.7	68 800 *
15.0	59.8	23.1	58 500 *
16.0	57.0	22.4	49 700 *
18.0	51.1	20.8	35 700 *
20.0	44.5	18.9	24 700 *
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	180 400 *
8.5	78.1	29.1	171 300 *
9.0	77.0	29.0	160 400 *
10.0	74.9	28.7	141 300 *
11.0	72.7	28.4	119 500 *
12.0	70.4	28.0	101 000 *
13.0	68.2	27.6	85 900 *
14.0	65.9	27.1	73 500 *
15.0	63.5	26.6	63 100 *
16.0	61.1	26.0	54 100 *
18.0	56.1	24.7	39 800 *
20.0	50.8	23.1	28 800 *
22.0	45.0	21.2	20 000 *
24.0	38.5	18.8	12 400 *

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	174 800 *
8.5	79.3	32.2	171 200 *
9.0	78.4	32.1	160 900 *
10.0	76.4	31.9	141 100 *
11.0	74.5	31.6	121 300 *
12.0	72.5	31.2	105 200 *
13.0	70.5	30.9	90 100 *
14.0	68.5	30.5	77 500 *
15.0	66.4	30.0	66 800 *
16.0	64.3	29.5	57 700 *
18.0	60.0	28.4	43 100 *
20.0	55.4	27.0	31 900 *
22.0	50.6	25.4	23 000 *
24.0	45.4	23.5	15 700 *
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	130 500 *
11.0	75.9	34.7	120 300 *
12.0	74.1	34.4	104 900 *
13.0	72.3	34.1	92 300 *
14.0	70.5	33.8	81 300 *
15.0	68.7	33.3	70 400 *
16.0	66.8	32.9	61 100 *
18.0	63.0	31.9	46 200 *
20.0	59.0	30.7	34 800 *
22.0	54.9	29.3	25 700 *
24.0	50.5	27.7	18 300 *
26.0	45.8	25.8	12 200 *
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	130 900 *
11.0	77.1	37.9	118 300 *
12.0	75.5	37.6	103 300 *
13.0	73.9	37.3	91 000 *
14.0	72.2	37.0	80 700 *
15.0	70.5	36.6	71 900 *
16.0	68.9	36.2	63 700 *
18.0	65.4	35.3	48 700 *
20.0	61.9	34.3	37 000 *
22.0	58.2	33.1	27 800 *
24.0	54.4	31.7	20 300 *
26.0	50.4	30.0	14 200 *
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	127 400 *
11.0	78.1	41.0	116 300 *
12.0	76.6	40.8	101 600 *
13.0	75.1	40.5	89 600 *
14.0	73.6	40.2	79 600 *
15.0	72.1	39.9	71 100 *
16.0	70.6	39.5	63 700 *
18.0	67.4	38.7	50 900 *
20.0	64.2	37.7	39 200 *
22.0	60.9	36.6	29 900 *
24.0	57.5	35.4	22 400 *
26.0	54.0	34.0	16 200 *
28.0	50.3	32.3	10 900 *
30.0	46.3	30.5	6 400 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	122 700 *
11.0	79.0	44.2	113 900 *
12.0	77.6	43.9	99 700 *
13.0	76.2	43.7	87 900 *
14.0	74.8	43.4	78 100 *
15.0	73.4	43.1	69 800 *
16.0	72.0	42.8	62 600 *
18.0	69.1	42.0	50 800 *
20.0	66.2	41.1	40 900 *
22.0	63.2	40.1	31 400 *
24.0	60.1	39.0	23 800 *
26.0	56.9	37.7	17 500 *
28.0	53.6	36.3	12 200 *
30.0	50.2	34.6	7 600 *
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	95 000 *
13.0	77.2	46.8	87 200 *
14.0	75.9	46.6	77 300 *
15.0	74.6	46.3	69 000 *
16.0	73.3	46.0	61 900 *
18.0	70.6	45.3	50 200 *
20.0	67.9	44.5	41 100 *
22.0	65.2	43.6	33 100 *
24.0	62.3	42.5	25 200 *
26.0	59.4	41.4	18 800 *
28.0	56.4	40.0	13 400 *
30.0	53.3	38.6	8 800 *
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	90 600 *
13.0	78.0	50.0	85 000 *
14.0	76.8	49.7	75 800 *
15.0	75.6	49.4	67 600 *
16.0	74.3	49.2	60 600 *
18.0	71.9	48.5	49 200 *
20.0	69.4	47.8	40 300 *
22.0	66.8	46.9	33 000 *
24.0	64.2	46.0	26 200 *
26.0	61.5	44.9	19 800 *
28.0	58.8	43.7	14 300 *
30.0	56.0	42.4	9 700 *
32.0	53.1	40.9	5 800 *
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	81 800 *
14.0	77.6	52.9	74 600 *
15.0	76.4	52.6	66 500 *
16.0	75.3	52.3	59 700 *
18.0	73.0	51.7	48 500 *
20.0	70.6	51.0	39 700 *
22.0	68.3	50.2	32 500 *
24.0	65.8	49.4	26 600 *
26.0	63.4	48.4	20 900 *
28.0	60.8	47.3	15 400 *
30.0	58.3	46.0	10 800 *
32.0	55.6	44.7	6 800 *

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	77 400 *
14.0	78.3	56.0	72 900 *
15.0	77.2	55.7	65 700 *
16.0	76.1	55.5	58 700 *
18.0	74.0	54.9	47 600 *
20.0	71.8	54.3	38 900 *
22.0	69.5	53.5	31 900 *
24.0	67.3	52.7	26 000 *
26.0	65.0	51.8	21 100 *
28.0	62.6	50.7	16 200 *
30.0	60.2	49.6	11 500 *
32.0	57.8	48.4	7 400 *
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	63 600 *
16.0	76.9	58.6	58 800 *
18.0	74.8	58.1	46 900 *
20.0	72.8	57.5	38 200 *
22.0	70.7	56.8	31 300 *
24.0	68.5	56.0	25 500 *
26.0	66.4	55.1	20 700 *
28.0	64.2	54.2	16 400 *
30.0	61.9	53.1	12 200 *
32.0	59.7	52.0	8 000 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	182 900 *
8.0	77.8	26.1	178 800 *
8.5	76.6	26.0	168 500 *
9.0	75.4	25.8	157 600 *
10.0	72.9	25.5	134 100 *
11.0	70.4	25.1	110 800 *
12.0	67.8	24.7	92 700 *
13.0	65.2	24.2	78 100 *
14.0	62.6	23.7	65 900 *
15.0	59.8	23.1	55 700 *
16.0	57.0	22.4	47 000 *
18.0	51.1	20.8	33 000 *
20.0	44.5	18.9	22 100 *
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	177 200 *
8.5	78.1	29.1	169 600 *
9.0	77.0	29.0	158 600 *
10.0	74.9	28.7	139 200 *
11.0	72.7	28.4	116 600 *
12.0	70.4	28.0	98 100 *
13.0	68.2	27.6	83 200 *
14.0	65.9	27.1	70 800 *
15.0	63.5	26.6	60 400 *
16.0	61.1	26.0	51 600 *
18.0	56.1	24.7	37 300 *
20.0	50.8	23.1	26 400 *
22.0	45.0	21.2	17 500 *
24.0	38.5	18.8	10 100 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	180 600 *
7.0	82.2	32.5	178 500 *
7.5	81.2	32.4	175 000 *
8.0	80.3	32.3	171 600 *
8.5	79.3	32.2	168 500 *
9.0	78.4	32.1	159 300 *
10.0	76.4	31.9	138 100 *
11.0	74.5	31.6	118 500 *
12.0	72.5	31.2	102 500 *
13.0	70.5	30.9	87 500 *
14.0	68.5	30.5	74 900 *
15.0	66.4	30.0	64 300 *
16.0	64.3	29.5	55 300 *
18.0	60.0	28.4	40 700 *
20.0	55.4	27.0	29 600 *
22.0	50.6	25.4	20 700 *
24.0	45.4	23.5	13 500 *
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	128 400 *
11.0	75.9	34.7	117 600 *
12.0	74.1	34.4	102 300 *
13.0	72.3	34.1	89 800 *
14.0	70.5	33.8	78 800 *
15.0	68.7	33.3	68 000 *
16.0	66.8	32.9	58 800 *
18.0	63.0	31.9	43 900 *
20.0	59.0	30.7	32 600 *
22.0	54.9	29.3	23 500 *
24.0	50.5	27.7	16 200 *
26.0	45.8	25.8	10 100 *

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	128 900 *
11.0	77.1	37.9	115 700 *
12.0	75.5	37.6	100 800 *
13.0	73.9	37.3	88 500 *
14.0	72.2	37.0	78 300 *
15.0	70.5	36.6	69 600 *
16.0	68.9	36.2	61 500 *
18.0	65.4	35.3	46 500 *
20.0	61.9	34.3	34 900 *
22.0	58.2	33.1	25 700 *
24.0	54.4	31.7	18 300 *
26.0	50.4	30.0	12 200 *
28.0	46.1	28.2	6 900 *
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	123 600 *
11.0	78.1	41.0	113 800 *
12.0	76.6	40.8	99 200 *
13.0	75.1	40.5	87 300 *
14.0	73.6	40.2	77 300 *
15.0	72.1	39.9	68 800 *
16.0	70.6	39.5	61 500 *
18.0	67.4	38.7	48 800 *
20.0	64.2	37.7	37 100 *
22.0	60.9	36.6	27 900 *
24.0	57.5	35.4	20 400 *
26.0	54.0	34.0	14 200 *
28.0	50.3	32.3	9 000 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
112 810 kg Crane Counterweight
54 430 kg Carbody Counterweight
360 Degree Rating

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	120 800 *
11.0	79.0	44.2	111 700 *
12.0	77.6	43.9	97 300 *
13.0	76.2	43.7	85 700 *
14.0	74.8	43.4	75 900 *
15.0	73.4	43.1	67 600 *
16.0	72.0	42.8	60 500 *
18.0	69.1	42.0	48 700 *
20.0	66.2	41.1	38 900 *
22.0	63.2	40.1	29 400 *
24.0	60.1	39.0	21 900 *
26.0	56.9	37.7	15 600 *
28.0	53.6	36.3	10 300 *
30.0	50.2	34.6	5 800 *
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	98 700 *
12.0	78.5	47.1	93 100 *
13.0	77.2	46.8	85 000 *
14.0	75.9	46.6	75 100 *
15.0	74.6	46.3	66 900 *
16.0	73.3	46.0	59 800 *
18.0	70.6	45.3	48 200 *
20.0	67.9	44.5	39 100 *
22.0	65.2	43.6	31 200 *
24.0	62.3	42.5	23 300 *
26.0	59.4	41.4	17 000 *
28.0	56.4	40.0	11 600 *
30.0	53.3	38.6	7 100 *

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	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	88 700 *
13.0	78.0	50.0	83 100 *
14.0	76.8	49.7	73 600 *
15.0	75.6	49.4	65 500 *
16.0	74.3	49.2	58 600 *
18.0	71.9	48.5	47 200 *
20.0	69.4	47.8	38 400 *
22.0	66.8	46.9	31 100 *
24.0	64.2	46.0	24 500 *
26.0	61.5	44.9	18 000 *
28.0	58.8	43.7	12 600 *
30.0	56.0	42.4	8 000 *
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	79 800 *
14.0	77.6	52.9	72 500 *
15.0	76.4	52.6	64 500 *
16.0	75.3	52.3	57 700 *
18.0	73.0	51.7	46 500 *
20.0	70.6	51.0	37 900 *
22.0	68.3	50.2	30 700 *
24.0	65.8	49.4	24 900 *
26.0	63.4	48.4	19 200 *
28.0	60.8	47.3	13 700 *
30.0	58.3	46.0	9 100 *
32.0	55.6	44.7	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	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	75 500 *
14.0	78.3	56.0	71 000 *
15.0	77.2	55.7	63 700 *
16.0	76.1	55.5	56 800 *
18.0	74.0	54.9	45 700 *
20.0	71.8	54.3	37 100 *
22.0	69.5	53.5	30 100 *
24.0	67.3	52.7	24 300 *
26.0	65.0	51.8	19 400 *
28.0	62.6	50.7	14 600 *
30.0	60.2	49.6	9 800 *
32.0	57.8	48.4	5 800 *
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	61 900 *
16.0	76.9	58.6	57 000 *
18.0	74.8	58.1	45 000 *
20.0	72.8	57.5	36 500 *
22.0	70.7	56.8	29 500 *
24.0	68.5	56.0	23 800 *
26.0	66.4	55.1	19 000 *
28.0	64.2	54.2	14 800 *
30.0	61.9	53.1	10 600 *
32.0	59.7	52.0	6 400 *