

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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 (*).

57.9m and 61.0m boom lengths require only the middle 3 sheaves to be used on lower boom point. All other sheaves must be removed from lower boom point.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of main boom load. Weight of luffing jib and 2 270 kg suspended beneath luffing jib point sheaves have been included in capacity determination. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with gantry up. During operation, luffing jib must be maintained at proper boom to luffing jib angle shown in table. Refer to luffing jib assembly **No. 172894**, **No. 174308** or **No. 192086**, Wire Rope Specification chart **No. 7581-E**, Counterweight Arrangement chart **No. 7692-A** and Luffing Jib Raising Procedure chart **No. 7604-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating

conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart and luffing jib set at proper boom to luffing jib angle shown in table. Refer to Maximum Allowable Travel Specification chart **No. 7678-A**.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

BOOM POINT ELEVATION: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 9 373 mm crawlers, 1 219 mm treads, 8 534 mm retractable gantry, 12 part boom hoist reeving, four 38 mm boom pendants or boom support straps, 10 part luffing jib hoist reeving, two 38 mm luffing jib pendants and backstays, and 75 750 kg counterweight.

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. 7613-AM** for luffing jib capacities.

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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	205 200 *
7.5	79.0	26.2	188 300
8.0	77.8	26.1	165 100
8.5	76.6	26.0	146 700
9.0	75.4	25.8	131 700
10.0	72.9	25.5	108 300
11.0	70.4	25.1	91 300
12.0	67.8	24.7	78 200
13.0	65.2	24.2	67 800
14.0	62.6	23.7	59 500
15.0	59.8	23.1	52 600
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	189 000
8.0	79.2	29.2	165 800
8.5	78.1	29.1	147 300
9.0	77.0	29.0	132 200
10.0	74.9	28.7	108 800
11.0	72.7	28.4	91 800
12.0	70.4	28.0	78 600
13.0	68.2	27.6	68 300
14.0	65.9	27.1	59 800
15.0	63.5	26.6	52 900
16.0	61.1	26.0	47 100
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	187 600
8.0	80.3	32.3	166 300
8.5	79.3	32.2	147 800
9.0	78.4	32.1	132 600
10.0	76.4	31.9	109 200
11.0	74.5	31.6	92 100
12.0	72.5	31.2	78 900
13.0	70.5	30.9	68 500
14.0	68.5	30.5	60 100
15.0	66.4	30.0	53 100
16.0	64.3	29.5	47 200
18.0	60.0	28.4	37 900

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	132 900
10.0	77.7	35.0	109 500
11.0	75.9	34.7	92 300
12.0	74.1	34.4	79 100
13.0	72.3	34.1	68 700
14.0	70.5	33.8	60 300
15.0	68.7	33.3	53 300
16.0	66.8	32.9	47 400
18.0	63.0	31.9	38 100
20.0	59.0	30.7	31 100
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	134 200
10.0	78.7	38.1	109 700
11.0	77.1	37.9	92 500
12.0	75.5	37.6	79 200
13.0	73.9	37.3	68 800
14.0	72.2	37.0	60 300
15.0	70.5	36.6	53 300
16.0	68.9	36.2	47 400
18.0	65.4	35.3	38 100
20.0	61.9	34.3	31 100
22.0	58.2	33.1	25 500
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	134 400
10.0	79.6	41.3	109 900
11.0	78.1	41.0	92 700
12.0	76.6	40.8	79 500
13.0	75.1	40.5	69 000
14.0	73.6	40.2	60 600
15.0	72.1	39.9	53 600
16.0	70.6	39.5	47 600
18.0	67.4	38.7	38 300
20.0	64.2	37.7	31 200
22.0	60.9	36.6	25 700
24.0	57.5	35.4	21 200

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	133 100
10.0	80.4	44.4	110 100
11.0	79.0	44.2	92 800
12.0	77.6	43.9	79 500
13.0	76.2	43.7	69 100
14.0	74.8	43.4	60 600
15.0	73.4	43.1	53 600
16.0	72.0	42.8	47 600
18.0	69.1	42.0	38 300
20.0	66.2	41.1	31 200
22.0	63.2	40.1	25 600
24.0	60.1	39.0	21 100
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	111 700
11.0	79.7	47.3	92 800
12.0	78.5	47.1	79 600
13.0	77.2	46.8	69 100
14.0	75.9	46.6	60 600
15.0	74.6	46.3	53 500
16.0	73.3	46.0	47 600
18.0	70.6	45.3	38 200
20.0	67.9	44.5	31 100
22.0	65.2	43.6	25 600
24.0	62.3	42.5	21 100
26.0	59.4	41.4	17 300
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	109 100
11.0	80.4	50.4	92 900
12.0	79.2	50.2	79 600
13.0	78.0	50.0	69 000
14.0	76.8	49.7	60 500
15.0	75.6	49.4	53 500
16.0	74.3	49.2	47 500
18.0	71.9	48.5	38 100
20.0	69.4	47.8	31 000
22.0	66.8	46.9	25 400
24.0	64.2	46.0	20 900
26.0	61.5	44.9	17 200
28.0	58.8	43.7	14 100

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75 750 kg 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	105 500
11.0	81.0	53.5	92 900
12.0	79.8	53.3	79 600
13.0	78.7	53.1	69 100
14.0	77.6	52.9	60 500
15.0	76.4	52.6	53 500
16.0	75.3	52.3	47 500
18.0	73.0	51.7	38 100
20.0	70.6	51.0	31 100
22.0	68.3	50.2	25 400
24.0	65.8	49.4	20 900
26.0	63.4	48.4	17 300
28.0	60.8	47.3	14 100
30.0	58.3	46.0	11 500
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	93 000
12.0	80.4	56.4	79 600
13.0	79.3	56.2	69 000
14.0	78.3	56.0	60 500
15.0	77.2	55.7	53 400
16.0	76.1	55.5	47 400
18.0	74.0	54.9	38 000
20.0	71.8	54.3	30 900
22.0	69.5	53.5	25 300
24.0	67.3	52.7	20 800
26.0	65.0	51.8	17 100
28.0	62.6	50.7	14 000
30.0	60.2	49.6	11 300
32.0	57.8	48.4	9 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	81 600 *
11.0	81.9	59.7	81 600 *
12.0	80.9	59.5	78 600
13.0	79.9	59.3	68 900
14.0	78.9	59.1	60 400
15.0	77.9	58.9	53 300
16.0	76.9	58.6	47 300
18.0	74.8	58.1	37 900
20.0	72.8	57.5	30 800
22.0	70.7	56.8	25 100
24.0	68.5	56.0	20 600
26.0	66.4	55.1	16 900
28.0	64.2	54.2	13 800
30.0	61.9	53.1	11 100
32.0	59.7	52.0	8 800
34.0	57.3	50.7	6 900
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	69 000
14.0	79.5	62.2	60 300
15.0	78.5	62.0	53 200
16.0	77.5	61.8	47 200
18.0	75.6	61.3	37 800
20.0	73.6	60.7	30 600
22.0	71.7	60.0	25 000
24.0	69.7	59.3	20 400
26.0	67.6	58.5	16 700
28.0	65.6	57.6	13 600
30.0	63.5	56.6	10 900
32.0	61.3	55.5	8 700
34.0	59.2	54.3	6 700

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Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	204 200 *
7.5	79.0	26.2	187 100
8.0	77.8	26.1	163 600
8.5	76.6	26.0	145 300
9.0	75.4	25.8	130 200
10.0	72.9	25.5	106 900
11.0	70.4	25.1	89 900
12.0	67.8	24.7	76 800
13.0	65.2	24.2	66 500
14.0	62.6	23.7	58 100
15.0	59.8	23.1	51 200
16.0	57.0	22.4	45 300
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	187 700
8.0	79.2	29.2	164 400
8.5	78.1	29.1	146 000
9.0	77.0	29.0	130 800
10.0	74.9	28.7	107 500
11.0	72.7	28.4	90 400
12.0	70.4	28.0	77 300
13.0	68.2	27.6	67 000
14.0	65.9	27.1	58 600
15.0	63.5	26.6	51 600
16.0	61.1	26.0	45 800
18.0	56.1	24.7	36 600
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	186 800
8.0	80.3	32.3	164 900
8.5	79.3	32.2	146 500
9.0	78.4	32.1	131 300
10.0	76.4	31.9	107 900
11.0	74.5	31.6	90 800
12.0	72.5	31.2	77 700
13.0	70.5	30.9	67 300
14.0	68.5	30.5	58 900
15.0	66.4	30.0	51 900
16.0	64.3	29.5	46 100
18.0	60.0	28.4	36 800
20.0	55.4	27.0	29 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	151 900 *
7.5	82.0	35.5	150 000 *
8.0	81.2	35.4	148 200 *
8.5	80.3	35.3	146 000
9.0	79.4	35.2	131 700
10.0	77.7	35.0	108 300
11.0	75.9	34.7	91 100
12.0	74.1	34.4	78 000
13.0	72.3	34.1	67 600
14.0	70.5	33.8	59 200
15.0	68.7	33.3	52 200
16.0	66.8	32.9	46 300
18.0	63.0	31.9	37 000
20.0	59.0	30.7	30 000
22.0	54.9	29.3	24 400
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	133 000
10.0	78.7	38.1	108 500
11.0	77.1	37.9	91 300
12.0	75.5	37.6	78 100
13.0	73.9	37.3	67 700
14.0	72.2	37.0	59 300
15.0	70.5	36.6	52 300
16.0	68.9	36.2	46 400
18.0	65.4	35.3	37 100
20.0	61.9	34.3	30 000
22.0	58.2	33.1	24 400
24.0	54.4	31.7	20 000
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	133 200
10.0	79.6	41.3	108 800
11.0	78.1	41.0	91 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
12.0	76.6	40.8	78 400
13.0	75.1	40.5	68 000
14.0	73.6	40.2	59 500
15.0	72.1	39.9	52 500
16.0	70.6	39.5	46 600
18.0	67.4	38.7	37 300
20.0	64.2	37.7	30 200
22.0	60.9	36.6	24 700
24.0	57.5	35.4	20 200
26.0	54.0	34.0	16 600
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	132 500
10.0	80.4	44.4	109 000
11.0	79.0	44.2	91 800
12.0	77.6	43.9	78 500
13.0	76.2	43.7	68 100
14.0	74.8	43.4	59 600
15.0	73.4	43.1	52 600
16.0	72.0	42.8	46 700
18.0	69.1	42.0	37 300
20.0	66.2	41.1	30 200
22.0	63.2	40.1	24 700
24.0	60.1	39.0	20 200
26.0	56.9	37.7	16 500
28.0	53.6	36.3	13 400
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	110 500
11.0	79.7	47.3	91 800
12.0	78.5	47.1	78 600
13.0	77.2	46.8	68 100
14.0	75.9	46.6	59 600
15.0	74.6	46.3	52 600
16.0	73.3	46.0	46 600
18.0	70.6	45.3	37 300
20.0	67.9	44.5	30 200
22.0	65.2	43.6	24 600
24.0	62.3	42.5	20 200
26.0	59.4	41.4	16 400
28.0	56.4	40.0	13 400
30.0	53.3	38.6	10 700

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75 750 kg 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
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	108 600
11.0	80.4	50.4	91 900
12.0	79.2	50.2	78 600
13.0	78.0	50.0	68 100
14.0	76.8	49.7	59 600
15.0	75.6	49.4	52 600
16.0	74.3	49.2	46 600
18.0	71.9	48.5	37 200
20.0	69.4	47.8	30 100
22.0	66.8	46.9	24 500
24.0	64.2	46.0	20 000
26.0	61.5	44.9	16 300
28.0	58.8	43.7	13 200
30.0	56.0	42.4	10 600
32.0	53.1	40.9	8 300
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	110 200 *
10.0	82.1	53.6	105 000
11.0	81.0	53.5	91 900
12.0	79.8	53.3	78 600
13.0	78.7	53.1	68 100
14.0	77.6	52.9	59 600
15.0	76.4	52.6	52 600
16.0	75.3	52.3	46 600
18.0	73.0	51.7	37 300
20.0	70.6	51.0	30 100
22.0	68.3	50.2	24 600
24.0	65.8	49.4	20 100
26.0	63.4	48.4	16 400
28.0	60.8	47.3	13 300
30.0	58.3	46.0	10 600
32.0	55.6	44.7	8 400
34.0	52.8	43.2	6 400

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	92 100
12.0	80.4	56.4	78 700
13.0	79.3	56.2	68 100
14.0	78.3	56.0	59 600
15.0	77.2	55.7	52 500
16.0	76.1	55.5	46 600
18.0	74.0	54.9	37 200
20.0	71.8	54.3	30 100
22.0	69.5	53.5	24 400
24.0	67.3	52.7	19 900
26.0	65.0	51.8	16 200
28.0	62.6	50.7	13 100
30.0	60.2	49.6	10 500
32.0	57.8	48.4	8 200
34.0	55.2	47.0	6 200
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	81 600 *
11.0	81.9	59.7	81 600 *
12.0	80.9	59.5	78 000
13.0	79.9	59.3	68 100
14.0	78.9	59.1	59 500
15.0	77.9	58.9	52 500
16.0	76.9	58.6	46 500
18.0	74.8	58.1	37 100
20.0	72.8	57.5	29 900
22.0	70.7	56.8	24 300
24.0	68.5	56.0	19 800
26.0	66.4	55.1	16 100
28.0	64.2	54.2	13 000
30.0	61.9	53.1	10 300
32.0	59.7	52.0	8 100
34.0	57.3	50.7	6 100

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	68 000
14.0	79.5	62.2	59 400
15.0	78.5	62.0	52 400
16.0	77.5	61.8	46 400
18.0	75.6	61.3	36 900
20.0	73.6	60.7	29 800
22.0	71.7	60.0	24 200
24.0	69.7	59.3	19 600
26.0	67.6	58.5	15 900
28.0	65.6	57.6	12 800
30.0	63.5	56.6	10 100
32.0	61.3	55.5	7 800
34.0	59.2	54.3	5 900

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	202 300 *
7.5	79.0	26.2	184 400
8.0	77.8	26.1	160 600
8.5	76.6	26.0	142 400
9.0	75.4	25.8	127 500
10.0	72.9	25.5	104 500
11.0	70.4	25.1	87 700
12.0	67.8	24.7	74 800
13.0	65.2	24.2	64 500
14.0	62.6	23.7	56 300
15.0	59.8	23.1	49 400
16.0	57.0	22.4	43 700
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	185 500
8.0	79.2	29.2	161 400
8.5	78.1	29.1	143 200
9.0	77.0	29.0	128 200
10.0	74.9	28.7	105 200
11.0	72.7	28.4	88 300
12.0	70.4	28.0	75 300
13.0	68.2	27.6	65 100
14.0	65.9	27.1	56 800
15.0	63.5	26.6	50 000
16.0	61.1	26.0	44 200
18.0	56.1	24.7	35 100
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	183 500
8.0	80.3	32.3	162 000
8.5	79.3	32.2	143 800
9.0	78.4	32.1	128 800
10.0	76.4	31.9	105 700
11.0	74.5	31.6	88 800
12.0	72.5	31.2	75 700
13.0	70.5	30.9	65 500
14.0	68.5	30.5	57 200
15.0	66.4	30.0	50 300
16.0	64.3	29.5	44 500
18.0	60.0	28.4	35 300
20.0	55.4	27.0	28 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	149 800 *
7.5	82.0	35.5	147 900 *
8.0	81.2	35.4	146 100 *
8.5	80.3	35.3	143 400
9.0	79.4	35.2	129 200
10.0	77.7	35.0	106 100
11.0	75.9	34.7	89 100
12.0	74.1	34.4	76 100
13.0	72.3	34.1	65 800
14.0	70.5	33.8	57 500
15.0	68.7	33.3	50 600
16.0	66.8	32.9	44 800
18.0	63.0	31.9	35 600
20.0	59.0	30.7	28 600
22.0	54.9	29.3	23 200
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	130 500
10.0	78.7	38.1	106 400
11.0	77.1	37.9	89 400
12.0	75.5	37.6	76 300
13.0	73.9	37.3	66 000
14.0	72.2	37.0	57 600
15.0	70.5	36.6	50 700
16.0	68.9	36.2	44 900
18.0	65.4	35.3	35 700
20.0	61.9	34.3	28 700
22.0	58.2	33.1	23 200
24.0	54.4	31.7	18 800
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	130 700
10.0	79.6	41.3	106 700
11.0	78.1	41.0	89 700

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
39.6m (130 Ft.) BOOM			
12.0	76.6	40.8	76 600
13.0	75.1	40.5	66 300
14.0	73.6	40.2	57 900
15.0	72.1	39.9	51 000
16.0	70.6	39.5	45 200
18.0	67.4	38.7	36 000
20.0	64.2	37.7	29 000
22.0	60.9	36.6	23 500
24.0	57.5	35.4	19 100
26.0	54.0	34.0	15 500
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	130 400
10.0	80.4	44.4	106 900
11.0	79.0	44.2	89 900
12.0	77.6	43.9	76 700
13.0	76.2	43.7	66 400
14.0	74.8	43.4	58 000
15.0	73.4	43.1	51 100
16.0	72.0	42.8	45 200
18.0	69.1	42.0	36 000
20.0	66.2	41.1	29 000
22.0	63.2	40.1	23 500
24.0	60.1	39.0	19 100
26.0	56.9	37.7	15 400
28.0	53.6	36.3	12 400
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	108 400
11.0	79.7	47.3	89 900
12.0	78.5	47.1	76 800
13.0	77.2	46.8	66 500
14.0	75.9	46.6	58 100
15.0	74.6	46.3	51 100
16.0	73.3	46.0	45 200
18.0	70.6	45.3	36 000
20.0	67.9	44.5	29 000
22.0	65.2	43.6	23 500
24.0	62.3	42.5	19 100
26.0	59.4	41.4	15 400
28.0	56.4	40.0	12 300
30.0	53.3	38.6	9 800

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	106 500
11.0	80.4	50.4	90 000
12.0	79.2	50.2	76 900
13.0	78.0	50.0	66 500
14.0	76.8	49.7	58 100
15.0	75.6	49.4	51 100
16.0	74.3	49.2	45 200
18.0	71.9	48.5	35 900
20.0	69.4	47.8	28 900
22.0	66.8	46.9	23 400
24.0	64.2	46.0	18 900
26.0	61.5	44.9	15 300
28.0	58.8	43.7	12 200
30.0	56.0	42.4	9 600
32.0	53.1	40.9	7 400
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	108 000 *
10.0	82.1	53.6	102 900
11.0	81.0	53.5	90 100
12.0	79.8	53.3	76 900
13.0	78.7	53.1	66 500
14.0	77.6	52.9	58 100
15.0	76.4	52.6	51 200
16.0	75.3	52.3	45 300
18.0	73.0	51.7	36 000
20.0	70.6	51.0	29 000
22.0	68.3	50.2	23 500
24.0	65.8	49.4	19 000
26.0	63.4	48.4	15 400
28.0	60.8	47.3	12 300
30.0	58.3	46.0	9 700
32.0	55.6	44.7	7 400
34.0	52.8	43.2	5 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	99 000 *
10.0	82.5	56.7	97 700 *
11.0	81.5	56.6	90 200
12.0	80.4	56.4	76 900
13.0	79.3	56.2	66 500
14.0	78.3	56.0	58 100
15.0	77.2	55.7	51 100
16.0	76.1	55.5	45 200
18.0	74.0	54.9	35 900
20.0	71.8	54.3	28 900
22.0	69.5	53.5	23 400
24.0	67.3	52.7	18 900
26.0	65.0	51.8	15 200
28.0	62.6	50.7	12 100
30.0	60.2	49.6	9 500
32.0	57.8	48.4	7 300
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	81 600 *
11.0	81.9	59.7	81 600 *
12.0	80.9	59.5	77 400
13.0	79.9	59.3	66 500
14.0	78.9	59.1	58 000
15.0	77.9	58.9	51 000
16.0	76.9	58.6	45 100
18.0	74.8	58.1	35 800
20.0	72.8	57.5	28 800
22.0	70.7	56.8	23 200
24.0	68.5	56.0	18 700
26.0	66.4	55.1	15 100
28.0	64.2	54.2	12 000
30.0	61.9	53.1	9 400
32.0	59.7	52.0	7 200

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	66 500
14.0	79.5	62.2	58 000
15.0	78.5	62.0	51 000
16.0	77.5	61.8	45 100
18.0	75.6	61.3	35 700
20.0	73.6	60.7	28 700
22.0	71.7	60.0	23 100
24.0	69.7	59.3	18 600
26.0	67.6	58.5	14 900
28.0	65.6	57.6	11 800
30.0	63.5	56.6	9 200
32.0	61.3	55.5	7 000


M-250

Liftcrane Boom Capacities With Luffing Jib Attached

 Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	213 900 *
7.0	80.2	26.3	203 400 *
7.5	79.0	26.2	185 900
8.0	77.8	26.1	162 200
8.5	76.6	26.0	143 700
9.0	75.4	25.8	128 500
10.0	72.9	25.5	105 100
11.0	70.4	25.1	87 900
12.0	67.8	24.7	74 800
13.0	65.2	24.2	64 400
14.0	62.6	23.7	55 900
15.0	59.8	23.1	49 000
16.0	57.0	22.4	43 100
18.0	51.1	20.8	33 800
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	203 200 *
7.5	80.3	29.3	186 500
8.0	79.2	29.2	163 200
8.5	78.1	29.1	144 600
9.0	77.0	29.0	129 400
10.0	74.9	28.7	105 900
11.0	72.7	28.4	88 800
12.0	70.4	28.0	75 600
13.0	68.2	27.6	65 100
14.0	65.9	27.1	56 700
15.0	63.5	26.6	49 700
16.0	61.1	26.0	43 800
18.0	56.1	24.7	34 500
20.0	50.8	23.1	27 400
22.0	45.0	21.2	21 900
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	187 300
8.0	80.3	32.3	163 900
8.5	79.3	32.2	145 300
9.0	78.4	32.1	130 100
10.0	76.4	31.9	106 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
11.0	74.5	31.6	89 300
12.0	72.5	31.2	76 100
13.0	70.5	30.9	65 600
14.0	68.5	30.5	57 200
15.0	66.4	30.0	50 100
16.0	64.3	29.5	44 200
18.0	60.0	28.4	34 900
20.0	55.4	27.0	27 800
22.0	50.6	25.4	22 200
24.0	45.4	23.5	17 700
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	145 200
9.0	79.4	35.2	130 600
10.0	77.7	35.0	107 000
11.0	75.9	34.7	89 800
12.0	74.1	34.4	76 500
13.0	72.3	34.1	66 000
14.0	70.5	33.8	57 600
15.0	68.7	33.3	50 500
16.0	66.8	32.9	44 600
18.0	63.0	31.9	35 200
20.0	59.0	30.7	28 200
22.0	54.9	29.3	22 600
24.0	50.5	27.7	18 100
26.0	45.8	25.8	14 400
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	131 800
10.0	78.7	38.1	107 400
11.0	77.1	37.9	90 100
12.0	75.5	37.6	76 800
13.0	73.9	37.3	66 300
14.0	72.2	37.0	57 800
15.0	70.5	36.6	50 700
16.0	68.9	36.2	44 800
18.0	65.4	35.3	35 500
20.0	61.9	34.3	28 300
22.0	58.2	33.1	22 700
24.0	54.4	31.7	18 200
26.0	50.4	30.0	14 500
28.0	46.1	28.2	11 400

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	132 200
10.0	79.6	41.3	107 800
11.0	78.1	41.0	90 500
12.0	76.6	40.8	77 200
13.0	75.1	40.5	66 700
14.0	73.6	40.2	58 200
15.0	72.1	39.9	51 100
16.0	70.6	39.5	45 200
18.0	67.4	38.7	35 800
20.0	64.2	37.7	28 700
22.0	60.9	36.6	23 100
24.0	57.5	35.4	18 600
26.0	54.0	34.0	14 900
28.0	50.3	32.3	11 800
30.0	46.3	30.5	9 100
32.0	42.0	28.3	6 800
42.7m (140 Ft.) BOOM			
8.2	82.8	44.7	137 500 *
8.5	82.4	44.6	136 800 *
9.0	81.7	44.5	132 500
10.0	80.4	44.4	108 100
11.0	79.0	44.2	90 700
12.0	77.6	43.9	77 400
13.0	76.2	43.7	66 800
14.0	74.8	43.4	58 300
15.0	73.4	43.1	51 200
16.0	72.0	42.8	45 300
18.0	69.1	42.0	35 900
20.0	66.2	41.1	28 700
22.0	63.2	40.1	23 200
24.0	60.1	39.0	18 600
26.0	56.9	37.7	14 900
28.0	53.6	36.3	11 800
30.0	50.2	34.6	9 100
32.0	46.5	32.8	6 800

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	109 500
11.0	79.7	47.3	90 800
12.0	78.5	47.1	77 500
13.0	77.2	46.8	67 000
14.0	75.9	46.6	58 400
15.0	74.6	46.3	51 300
16.0	73.3	46.0	45 400
18.0	70.6	45.3	35 900
20.0	67.9	44.5	28 800
22.0	65.2	43.6	23 200
24.0	62.3	42.5	18 700
26.0	59.4	41.4	14 900
28.0	56.4	40.0	11 800
30.0	53.3	38.6	9 200
32.0	50.1	36.9	6 900
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	109 100
11.0	80.4	50.4	91 000
12.0	79.2	50.2	77 600
13.0	78.0	50.0	67 000
14.0	76.8	49.7	58 400
15.0	75.6	49.4	51 400
16.0	74.3	49.2	45 400
18.0	71.9	48.5	35 900
20.0	69.4	47.8	28 800
22.0	66.8	46.9	23 200
24.0	64.2	46.0	18 600
26.0	61.5	44.9	14 900
28.0	58.8	43.7	11 800
30.0	56.0	42.4	9 100
32.0	53.1	40.9	6 800

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	105 800
11.0	81.0	53.5	91 100
12.0	79.8	53.3	77 700
13.0	78.7	53.1	67 100
14.0	77.6	52.9	58 600
15.0	76.4	52.6	51 400
16.0	75.3	52.3	45 500
18.0	73.0	51.7	36 100
20.0	70.6	51.0	28 900
22.0	68.3	50.2	23 200
24.0	65.8	49.4	18 700
26.0	63.4	48.4	15 000
28.0	60.8	47.3	11 900
30.0	58.3	46.0	9 200
32.0	55.6	44.7	6 900
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	91 200
12.0	80.4	56.4	77 800
13.0	79.3	56.2	67 100
14.0	78.3	56.0	58 600
15.0	77.2	55.7	51 400
16.0	76.1	55.5	45 500
18.0	74.0	54.9	36 000
20.0	71.8	54.3	28 800
22.0	69.5	53.5	23 200
24.0	67.3	52.7	18 600
26.0	65.0	51.8	14 900
28.0	62.6	50.7	11 800
30.0	60.2	49.6	9 100
32.0	57.8	48.4	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	81 600 *
11.0	81.9	59.7	81 600 *
12.0	80.9	59.5	77 400
13.0	79.9	59.3	67 100
14.0	78.9	59.1	58 500
15.0	77.9	58.9	51 400
16.0	76.9	58.6	45 400
18.0	74.8	58.1	35 900
20.0	72.8	57.5	28 700
22.0	70.7	56.8	23 100
24.0	68.5	56.0	18 500
26.0	66.4	55.1	14 800
28.0	64.2	54.2	11 700
30.0	61.9	53.1	9 000
32.0	59.7	52.0	6 700
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	76 900
13.0	80.4	62.4	67 100
14.0	79.5	62.2	58 500
15.0	78.5	62.0	51 400
16.0	77.5	61.8	45 400
18.0	75.6	61.3	35 800
20.0	73.6	60.7	28 600
22.0	71.7	60.0	23 000
24.0	69.7	59.3	18 400
26.0	67.6	58.5	14 700
28.0	65.6	57.6	11 500
30.0	63.5	56.6	8 800
32.0	61.3	55.5	6 500


M-250

Liftcrane Boom Capacities With Luffing Jib Attached

 Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
 Luffing Jib No. 133 or No. 133A
 75 750 kg 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	201 600 *
7.5	79.0	26.2	183 300
8.0	77.8	26.1	159 300
8.5	76.6	26.0	141 000
9.0	75.4	25.8	125 900
10.0	72.9	25.5	102 700
11.0	70.4	25.1	85 800
12.0	67.8	24.7	72 700
13.0	65.2	24.2	62 400
14.0	62.6	23.7	54 100
15.0	59.8	23.1	47 200
16.0	57.0	22.4	41 400
18.0	51.1	20.8	32 200
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	184 300
8.0	79.2	29.2	160 400
8.5	78.1	29.1	142 000
9.0	77.0	29.0	126 900
10.0	74.9	28.7	103 700
11.0	72.7	28.4	86 600
12.0	70.4	28.0	73 600
13.0	68.2	27.6	63 200
14.0	65.9	27.1	54 900
15.0	63.5	26.6	48 000
16.0	61.1	26.0	42 100
18.0	56.1	24.7	32 900
20.0	50.8	23.1	25 900
22.0	45.0	21.2	20 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	194 400 *
7.0	82.2	32.5	192 700 *
7.5	81.2	32.4	184 600
8.0	80.3	32.3	161 200
8.5	79.3	32.2	142 800
9.0	78.4	32.1	127 700
10.0	76.4	31.9	104 400
11.0	74.5	31.6	87 300
12.0	72.5	31.2	74 200
13.0	70.5	30.9	63 800
14.0	68.5	30.5	55 400
15.0	66.4	30.0	48 500
16.0	64.3	29.5	42 600
18.0	60.0	28.4	33 400
20.0	55.4	27.0	26 300
22.0	50.6	25.4	20 800
24.0	45.4	23.5	16 400
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	142 800
9.0	79.4	35.2	128 300
10.0	77.7	35.0	104 900
11.0	75.9	34.7	87 800
12.0	74.1	34.4	74 700
13.0	72.3	34.1	64 300
14.0	70.5	33.8	55 900
15.0	68.7	33.3	48 900
16.0	66.8	32.9	43 100
18.0	63.0	31.9	33 800
20.0	59.0	30.7	26 800
22.0	54.9	29.3	21 200
24.0	50.5	27.7	16 800
26.0	45.8	25.8	13 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	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	129 500
10.0	78.7	38.1	105 300
11.0	77.1	37.9	88 200
12.0	75.5	37.6	75 000
13.0	73.9	37.3	64 600
14.0	72.2	37.0	56 200
15.0	70.5	36.6	49 200
16.0	68.9	36.2	43 300
18.0	65.4	35.3	34 000
20.0	61.9	34.3	27 000
22.0	58.2	33.1	21 500
24.0	54.4	31.7	17 000
26.0	50.4	30.0	13 300
28.0	46.1	28.2	10 200
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	129 800
10.0	79.6	41.3	105 800
11.0	78.1	41.0	88 600
12.0	76.6	40.8	75 400
13.0	75.1	40.5	65 100
14.0	73.6	40.2	56 600
15.0	72.1	39.9	49 600
16.0	70.6	39.5	43 700
18.0	67.4	38.7	34 400
20.0	64.2	37.7	27 400
22.0	60.9	36.6	21 900
24.0	57.5	35.4	17 400
26.0	54.0	34.0	13 700
28.0	50.3	32.3	10 600
30.0	46.3	30.5	8 000
32.0	42.0	28.3	5 800

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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
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	130 600
10.0	80.4	44.4	106 100
11.0	79.0	44.2	88 900
12.0	77.6	43.9	75 600
13.0	76.2	43.7	65 200
14.0	74.8	43.4	56 800
15.0	73.4	43.1	49 800
16.0	72.0	42.8	43 900
18.0	69.1	42.0	34 500
20.0	66.2	41.1	27 500
22.0	63.2	40.1	22 000
24.0	60.1	39.0	17 400
26.0	56.9	37.7	13 800
28.0	53.6	36.3	10 700
30.0	50.2	34.6	8 100
32.0	46.5	32.8	5 900
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	107 500
11.0	79.7	47.3	89 100
12.0	78.5	47.1	75 800
13.0	77.2	46.8	65 400
14.0	75.9	46.6	56 900
15.0	74.6	46.3	49 900
16.0	73.3	46.0	44 000
18.0	70.6	45.3	34 600
20.0	67.9	44.5	27 600
22.0	65.2	43.6	22 000
24.0	62.3	42.5	17 500
26.0	59.4	41.4	13 900
28.0	56.4	40.0	10 800
30.0	53.3	38.6	8 100
32.0	50.1	36.9	5 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	114 000 *
9.0	82.8	50.7	113 600 *
10.0	81.6	50.6	107 200
11.0	80.4	50.4	89 200
12.0	79.2	50.2	75 900
13.0	78.0	50.0	65 500
14.0	76.8	49.7	57 000
15.0	75.6	49.4	50 000
16.0	74.3	49.2	44 000
18.0	71.9	48.5	34 700
20.0	69.4	47.8	27 600
22.0	66.8	46.9	22 000
24.0	64.2	46.0	17 500
26.0	61.5	44.9	13 800
28.0	58.8	43.7	10 700
30.0	56.0	42.4	8 100
32.0	53.1	40.9	5 900
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	109 900 *
10.0	82.1	53.6	104 000
11.0	81.0	53.5	89 300
12.0	79.8	53.3	76 100
13.0	78.7	53.1	65 600
14.0	77.6	52.9	57 100
15.0	76.4	52.6	50 100
16.0	75.3	52.3	44 200
18.0	73.0	51.7	34 800
20.0	70.6	51.0	27 700
22.0	68.3	50.2	22 100
24.0	65.8	49.4	17 600
26.0	63.4	48.4	13 900
28.0	60.8	47.3	10 900
30.0	58.3	46.0	8 200
32.0	55.6	44.7	5 900
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	89 500
12.0	80.4	56.4	76 200
13.0	79.3	56.2	65 700
14.0	78.3	56.0	57 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
15.0	77.2	55.7	50 100
16.0	76.1	55.5	44 100
18.0	74.0	54.9	34 800
20.0	71.8	54.3	27 700
22.0	69.5	53.5	22 100
24.0	67.3	52.7	17 600
26.0	65.0	51.8	13 900
28.0	62.6	50.7	10 800
30.0	60.2	49.6	8 100
32.0	57.8	48.4	5 900
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	81 600 *
11.0	81.9	59.7	81 600
12.0	80.9	59.5	77 100
13.0	79.9	59.3	65 700
14.0	78.9	59.1	57 100
15.0	77.9	58.9	50 100
16.0	76.9	58.6	44 100
18.0	74.8	58.1	34 700
20.0	72.8	57.5	27 600
22.0	70.7	56.8	22 000
24.0	68.5	56.0	17 500
26.0	66.4	55.1	13 800
28.0	64.2	54.2	10 700
30.0	61.9	53.1	8 100
32.0	59.7	52.0	5 800
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	75 300
13.0	80.4	62.4	65 700
14.0	79.5	62.2	57 100
15.0	78.5	62.0	50 000
16.0	77.5	61.8	44 100
18.0	75.6	61.3	34 600
20.0	73.6	60.7	27 500
22.0	71.7	60.0	21 900
24.0	69.7	59.3	17 400
26.0	67.6	58.5	13 700
28.0	65.6	57.6	10 500
30.0	63.5	56.6	7 900
32.0	61.3	55.5	5 600

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	203 200 *
7.5	79.0	26.2	185 600
8.0	77.8	26.1	161 800
8.5	76.6	26.0	143 100
9.0	75.4	25.8	127 700
10.0	72.9	25.5	103 900
11.0	70.4	25.1	86 600
12.0	67.8	24.7	73 200
13.0	65.2	24.2	62 700
14.0	62.6	23.7	54 100
15.0	59.8	23.1	47 000
16.0	57.0	22.4	41 000
18.0	51.1	20.8	31 600
20.0	44.5	18.9	24 400
22.0	37.0	16.4	18 700
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	203 200 *
7.5	80.3	29.3	186 400
8.0	79.2	29.2	163 000
8.5	78.1	29.1	144 300
9.0	77.0	29.0	128 800
10.0	74.9	28.7	105 000
11.0	72.7	28.4	87 600
12.0	70.4	28.0	74 200
13.0	68.2	27.6	63 700
14.0	65.9	27.1	55 100
15.0	63.5	26.6	48 000
16.0	61.1	26.0	42 000
18.0	56.1	24.7	32 500
20.0	50.8	23.1	25 400
22.0	45.0	21.2	19 700
24.0	38.5	18.8	15 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	200 000 *
7.0	82.2	32.5	198 300 *
7.5	81.2	32.4	187 500
8.0	80.3	32.3	164 000
8.5	79.3	32.2	145 200
9.0	78.4	32.1	129 700
10.0	76.4	31.9	105 900
11.0	74.5	31.6	88 400
12.0	72.5	31.2	75 000
13.0	70.5	30.9	64 400
14.0	68.5	30.5	55 800
15.0	66.4	30.0	48 700
16.0	64.3	29.5	42 600
18.0	60.0	28.4	33 200
20.0	55.4	27.0	26 000
22.0	50.6	25.4	20 300
24.0	45.4	23.5	15 700
26.0	39.7	21.2	11 900
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	145 400
9.0	79.4	35.2	130 400
10.0	77.7	35.0	106 500
11.0	75.9	34.7	89 000
12.0	74.1	34.4	75 600
13.0	72.3	34.1	65 000
14.0	70.5	33.8	56 400
15.0	68.7	33.3	49 200
16.0	66.8	32.9	43 200
18.0	63.0	31.9	33 700
20.0	59.0	30.7	26 500
22.0	54.9	29.3	20 800
24.0	50.5	27.7	16 300
26.0	45.8	25.8	12 500
28.0	40.6	23.6	9 300
30.0	34.9	20.9	6 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	149 000 *
7.5	82.7	38.6	148 400 *
8.0	81.9	38.5	146 600 *
8.5	81.1	38.4	144 900 *
9.0	80.3	38.3	131 100
10.0	78.7	38.1	107 000
11.0	77.1	37.9	89 500
12.0	75.5	37.6	76 000
13.0	73.9	37.3	65 400
14.0	72.2	37.0	56 700
15.0	70.5	36.6	49 600
16.0	68.9	36.2	43 600
18.0	65.4	35.3	34 100
20.0	61.9	34.3	26 800
22.0	58.2	33.1	21 100
24.0	54.4	31.7	16 500
26.0	50.4	30.0	12 800
28.0	46.1	28.2	9 600
30.0	41.4	26.0	6 900
32.0	36.3	23.4	4 600
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	132 100
10.0	79.6	41.3	107 500
11.0	78.1	41.0	90 000
12.0	76.6	40.8	76 500
13.0	75.1	40.5	65 900
14.0	73.6	40.2	57 200
15.0	72.1	39.9	50 100
16.0	70.6	39.5	44 100
18.0	67.4	38.7	34 500
20.0	64.2	37.7	27 300
22.0	60.9	36.6	21 600
24.0	57.5	35.4	17 000
26.0	54.0	34.0	13 300
28.0	50.3	32.3	10 100
30.0	46.3	30.5	7 400
32.0	42.0	28.3	5 100

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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
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	133 000
10.0	80.4	44.4	107 900
11.0	79.0	44.2	90 300
12.0	77.6	43.9	76 800
13.0	76.2	43.7	66 100
14.0	74.8	43.4	57 400
15.0	73.4	43.1	50 300
16.0	72.0	42.8	44 300
18.0	69.1	42.0	34 700
20.0	66.2	41.1	27 500
22.0	63.2	40.1	21 800
24.0	60.1	39.0	17 200
26.0	56.9	37.7	13 400
28.0	53.6	36.3	10 300
30.0	50.2	34.6	7 600
32.0	46.5	32.8	5 200
45.7m (150 Ft.) BOOM			
8.5	82.9	47.7	121 500 *
9.0	82.3	47.6	120 100 *
10.0	81.0	47.5	109 200
11.0	79.7	47.3	90 600
12.0	78.5	47.1	77 000
13.0	77.2	46.8	66 300
14.0	75.9	46.6	57 700
15.0	74.6	46.3	50 500
16.0	73.3	46.0	44 400
18.0	70.6	45.3	34 800
20.0	67.9	44.5	27 600
22.0	65.2	43.6	21 900
24.0	62.3	42.5	17 300
26.0	59.4	41.4	13 500
28.0	56.4	40.0	10 400
30.0	53.3	38.6	7 700
32.0	50.1	36.9	5 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	117 400 *
9.0	82.8	50.7	117 000 *
10.0	81.6	50.6	109 900
11.0	80.4	50.4	90 700
12.0	79.2	50.2	77 200
13.0	78.0	50.0	66 400
14.0	76.8	49.7	57 800
15.0	75.6	49.4	50 600
16.0	74.3	49.2	44 500
18.0	71.9	48.5	34 900
20.0	69.4	47.8	27 700
22.0	66.8	46.9	21 900
24.0	64.2	46.0	17 400
26.0	61.5	44.9	13 600
28.0	58.8	43.7	10 400
30.0	56.0	42.4	7 700
32.0	53.1	40.9	5 400
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	113 500 *
10.0	82.1	53.6	107 600
11.0	81.0	53.5	90 900
12.0	79.8	53.3	77 300
13.0	78.7	53.1	66 600
14.0	77.6	52.9	57 900
15.0	76.4	52.6	50 700
16.0	75.3	52.3	44 700
18.0	73.0	51.7	35 100
20.0	70.6	51.0	27 800
22.0	68.3	50.2	22 100
24.0	65.8	49.4	17 500
26.0	63.4	48.4	13 800
28.0	60.8	47.3	10 600
30.0	58.3	46.0	7 900
32.0	55.6	44.7	5 500
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	91 100
12.0	80.4	56.4	77 400
13.0	79.3	56.2	66 700
14.0	78.3	56.0	58 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
15.0	77.2	55.7	50 800
16.0	76.1	55.5	44 700
18.0	74.0	54.9	35 100
20.0	71.8	54.3	27 800
22.0	69.5	53.5	22 100
24.0	67.3	52.7	17 500
26.0	65.0	51.8	13 700
28.0	62.6	50.7	10 500
30.0	60.2	49.6	7 800
32.0	57.8	48.4	5 500
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	81 600 *
11.0	81.9	59.7	81 600 *
12.0	80.9	59.5	77 200
13.0	79.9	59.3	66 800
14.0	78.9	59.1	58 000
15.0	77.9	58.9	50 800
16.0	76.9	58.6	44 700
18.0	74.8	58.1	35 100
20.0	72.8	57.5	27 800
22.0	70.7	56.8	22 100
24.0	68.5	56.0	17 500
26.0	66.4	55.1	13 700
28.0	64.2	54.2	10 500
30.0	61.9	53.1	7 700
32.0	59.7	52.0	5 400
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	77 900
13.0	80.4	62.4	66 800
14.0	79.5	62.2	58 000
15.0	78.5	62.0	50 800
16.0	77.5	61.8	44 700
18.0	75.6	61.3	35 100
20.0	73.6	60.7	27 800
22.0	71.7	60.0	22 000
24.0	69.7	59.3	17 400
26.0	67.6	58.5	13 600
28.0	65.6	57.6	10 400
30.0	63.5	56.6	7 700
32.0	61.3	55.5	5 400

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	201 900 *
7.5	79.0	26.2	183 900
8.0	77.8	26.1	159 700
8.5	76.6	26.0	141 100
9.0	75.4	25.8	125 800
10.0	72.9	25.5	102 200
11.0	70.4	25.1	84 900
12.0	67.8	24.7	71 600
13.0	65.2	24.2	61 200
14.0	62.6	23.7	52 700
15.0	59.8	23.1	45 600
16.0	57.0	22.4	39 700
18.0	51.1	20.8	30 300
20.0	44.5	18.9	23 200
22.0	37.0	16.4	17 500
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	202 000 *
7.5	80.3	29.3	184 800
8.0	79.2	29.2	161 100
8.5	78.1	29.1	142 300
9.0	77.0	29.0	127 100
10.0	74.9	28.7	103 400
11.0	72.7	28.4	86 100
12.0	70.4	28.0	72 800
13.0	68.2	27.6	62 300
14.0	65.9	27.1	53 800
15.0	63.5	26.6	46 700
16.0	61.1	26.0	40 700
18.0	56.1	24.7	31 300
20.0	50.8	23.1	24 200
22.0	45.0	21.2	18 600
24.0	38.5	18.8	14 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	198 400 *
7.0	82.2	32.5	196 500 *
7.5	81.2	32.4	186 000
8.0	80.3	32.3	162 100
8.5	79.3	32.2	143 400
9.0	78.4	32.1	128 000
10.0	76.4	31.9	104 300
11.0	74.5	31.6	86 900
12.0	72.5	31.2	73 600
13.0	70.5	30.9	63 000
14.0	68.5	30.5	54 500
15.0	66.4	30.0	47 400
16.0	64.3	29.5	41 400
18.0	60.0	28.4	32 000
20.0	55.4	27.0	24 900
22.0	50.6	25.4	19 300
24.0	45.4	23.5	14 700
26.0	39.7	21.2	11 000
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	143 700
9.0	79.4	35.2	128 800
10.0	77.7	35.0	105 000
11.0	75.9	34.7	87 600
12.0	74.1	34.4	74 200
13.0	72.3	34.1	63 700
14.0	70.5	33.8	55 100
15.0	68.7	33.3	48 100
16.0	66.8	32.9	42 100
18.0	63.0	31.9	32 600
20.0	59.0	30.7	25 500
22.0	54.9	29.3	19 800
24.0	50.5	27.7	15 300
26.0	45.8	25.8	11 500
28.0	40.6	23.6	8 400
30.0	34.9	20.9	5 700

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	143 800
9.0	80.3	38.3	129 400
10.0	78.7	38.1	105 600
11.0	77.1	37.9	88 100
12.0	75.5	37.6	74 700
13.0	73.9	37.3	64 200
14.0	72.2	37.0	55 600
15.0	70.5	36.6	48 500
16.0	68.9	36.2	42 500
18.0	65.4	35.3	33 000
20.0	61.9	34.3	25 800
22.0	58.2	33.1	20 200
24.0	54.4	31.7	15 600
26.0	50.4	30.0	11 900
28.0	46.1	28.2	8 800
30.0	41.4	26.0	6 100
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	130 500
10.0	79.6	41.3	106 100
11.0	78.1	41.0	88 700
12.0	76.6	40.8	75 300
13.0	75.1	40.5	64 700
14.0	73.6	40.2	56 100
15.0	72.1	39.9	49 000
16.0	70.6	39.5	43 000
18.0	67.4	38.7	33 600
20.0	64.2	37.7	26 400
22.0	60.9	36.6	20 700
24.0	57.5	35.4	16 200
26.0	54.0	34.0	12 400
28.0	50.3	32.3	9 300
30.0	46.3	30.5	6 600

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	131 400
10.0	80.4	44.4	106 500
11.0	79.0	44.2	89 000
12.0	77.6	43.9	75 600
13.0	76.2	43.7	65 000
14.0	74.8	43.4	56 400
15.0	73.4	43.1	49 300
16.0	72.0	42.8	43 200
18.0	69.1	42.0	33 700
20.0	66.2	41.1	26 600
22.0	63.2	40.1	20 900
24.0	60.1	39.0	16 300
26.0	56.9	37.7	12 600
28.0	53.6	36.3	9 400
30.0	50.2	34.6	6 800
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	107 800
11.0	79.7	47.3	89 300
12.0	78.5	47.1	75 800
13.0	77.2	46.8	65 200
14.0	75.9	46.6	56 600
15.0	74.6	46.3	49 500
16.0	73.3	46.0	43 500
18.0	70.6	45.3	33 900
20.0	67.9	44.5	26 700
22.0	65.2	43.6	21 100
24.0	62.3	42.5	16 500
26.0	59.4	41.4	12 800
28.0	56.4	40.0	9 600
30.0	53.3	38.6	6 900
32.0	50.1	36.9	4 600

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	108 500
11.0	80.4	50.4	89 500
12.0	79.2	50.2	76 000
13.0	78.0	50.0	65 400
14.0	76.8	49.7	56 800
15.0	75.6	49.4	49 600
16.0	74.3	49.2	43 600
18.0	71.9	48.5	34 000
20.0	69.4	47.8	26 800
22.0	66.8	46.9	21 100
24.0	64.2	46.0	16 500
26.0	61.5	44.9	12 800
28.0	58.8	43.7	9 600
30.0	56.0	42.4	7 000
32.0	53.1	40.9	4 700
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	112 600 *
10.0	82.1	53.6	106 400
11.0	81.0	53.5	89 700
12.0	79.8	53.3	76 200
13.0	78.7	53.1	65 600
14.0	77.6	52.9	56 900
15.0	76.4	52.6	49 800
16.0	75.3	52.3	43 800
18.0	73.0	51.7	34 200
20.0	70.6	51.0	27 000
22.0	68.3	50.2	21 300
24.0	65.8	49.4	16 700
26.0	63.4	48.4	13 000
28.0	60.8	47.3	9 900
30.0	58.3	46.0	7 200
32.0	55.6	44.7	4 900
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	104 500 *
10.0	82.5	56.7	102 900
11.0	81.5	56.6	89 900
12.0	80.4	56.4	76 400
13.0	79.3	56.2	65 700
14.0	78.3	56.0	57 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
15.0	77.2	55.7	49 900
16.0	76.1	55.5	43 800
18.0	74.0	54.9	34 300
20.0	71.8	54.3	27 000
22.0	69.5	53.5	21 300
24.0	67.3	52.7	16 700
26.0	65.0	51.8	13 000
28.0	62.6	50.7	9 800
30.0	60.2	49.6	7 100
32.0	57.8	48.4	4 800
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	81 600 *
11.0	81.9	59.7	81 600 *
12.0	80.9	59.5	76 500
13.0	79.9	59.3	65 700
14.0	78.9	59.1	57 000
15.0	77.9	58.9	49 900
16.0	76.9	58.6	43 800
18.0	74.8	58.1	34 300
20.0	72.8	57.5	27 000
22.0	70.7	56.8	21 300
24.0	68.5	56.0	16 700
26.0	66.4	55.1	12 900
28.0	64.2	54.2	9 800
30.0	61.9	53.1	7 100
32.0	59.7	52.0	4 800
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	76 800
13.0	80.4	62.4	65 800
14.0	79.5	62.2	57 100
15.0	78.5	62.0	49 900
16.0	77.5	61.8	43 800
18.0	75.6	61.3	34 300
20.0	73.6	60.7	27 000
22.0	71.7	60.0	21 300
24.0	69.7	59.3	16 700
26.0	67.6	58.5	12 900
28.0	65.6	57.6	9 700
30.0	63.5	56.6	7 000
32.0	61.3	55.5	4 700


M-250

Liftcrane Boom Capacities With Luffing Jib Attached

 Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
 Luffing Jib No. 133 or No. 133A
 75 750 kg 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	200 300 *
7.5	79.0	26.2	181 400
8.0	77.8	26.1	157 200
8.5	76.6	26.0	138 700
9.0	75.4	25.8	123 500
10.0	72.9	25.5	100 000
11.0	70.4	25.1	82 800
12.0	67.8	24.7	69 600
13.0	65.2	24.2	59 200
14.0	62.6	23.7	50 800
15.0	59.8	23.1	43 800
16.0	57.0	22.4	37 900
18.0	51.1	20.8	28 600
20.0	44.5	18.9	21 500
22.0	37.0	16.4	15 900
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	200 400 *
7.5	80.3	29.3	182 800
8.0	79.2	29.2	158 600
8.5	78.1	29.1	140 100
9.0	77.0	29.0	124 800
10.0	74.9	28.7	101 300
11.0	72.7	28.4	84 100
12.0	70.4	28.0	70 900
13.0	68.2	27.6	60 400
14.0	65.9	27.1	52 000
15.0	63.5	26.6	44 900
16.0	61.1	26.0	39 000
18.0	56.1	24.7	29 700
20.0	50.8	23.1	22 600
22.0	45.0	21.2	17 000
24.0	38.5	18.8	12 500

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	184 300
8.0	80.3	32.3	159 800
8.5	79.3	32.2	141 200
9.0	78.4	32.1	125 900
10.0	76.4	31.9	102 300
11.0	74.5	31.6	85 000
12.0	72.5	31.2	71 800
13.0	70.5	30.9	61 300
14.0	68.5	30.5	52 800
15.0	66.4	30.0	45 800
16.0	64.3	29.5	39 800
18.0	60.0	28.4	30 500
20.0	55.4	27.0	23 300
22.0	50.6	25.4	17 800
24.0	45.4	23.5	13 300
26.0	39.7	21.2	9 500
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	141 700
9.0	79.4	35.2	126 700
10.0	77.7	35.0	103 100
11.0	75.9	34.7	85 800
12.0	74.1	34.4	72 500
13.0	72.3	34.1	62 000
14.0	70.5	33.8	53 500
15.0	68.7	33.3	46 500
16.0	66.8	32.9	40 500
18.0	63.0	31.9	31 100
20.0	59.0	30.7	24 000
22.0	54.9	29.3	18 400
24.0	50.5	27.7	13 900
26.0	45.8	25.8	10 200
28.0	40.6	23.6	7 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	146 900 *
7.5	82.7	38.6	146 200 *
8.0	81.9	38.5	144 400 *
8.5	81.1	38.4	141 900
9.0	80.3	38.3	127 400
10.0	78.7	38.1	103 700
11.0	77.1	37.9	86 400
12.0	75.5	37.6	73 000
13.0	73.9	37.3	62 500
14.0	72.2	37.0	54 000
15.0	70.5	36.6	47 000
16.0	68.9	36.2	41 000
18.0	65.4	35.3	31 600
20.0	61.9	34.3	24 400
22.0	58.2	33.1	18 900
24.0	54.4	31.7	14 300
26.0	50.4	30.0	10 600
28.0	46.1	28.2	7 500
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	128 500
10.0	79.6	41.3	104 300
11.0	78.1	41.0	87 000
12.0	76.6	40.8	73 600
13.0	75.1	40.5	63 100
14.0	73.6	40.2	54 600
15.0	72.1	39.9	47 500
16.0	70.6	39.5	41 600
18.0	67.4	38.7	32 200
20.0	64.2	37.7	25 000
22.0	60.9	36.6	19 400
24.0	57.5	35.4	14 900
26.0	54.0	34.0	11 200
28.0	50.3	32.3	8 100
30.0	46.3	30.5	5 400

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	129 500
10.0	80.4	44.4	104 800
11.0	79.0	44.2	87 400
12.0	77.6	43.9	74 000
13.0	76.2	43.7	63 500
14.0	74.8	43.4	54 900
15.0	73.4	43.1	47 800
16.0	72.0	42.8	41 900
18.0	69.1	42.0	32 400
20.0	66.2	41.1	25 200
22.0	63.2	40.1	19 600
24.0	60.1	39.0	15 100
26.0	56.9	37.7	11 400
28.0	53.6	36.3	8 200
30.0	50.2	34.6	5 600
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	106 100
11.0	79.7	47.3	87 700
12.0	78.5	47.1	74 300
13.0	77.2	46.8	63 700
14.0	75.9	46.6	55 200
15.0	74.6	46.3	48 100
16.0	73.3	46.0	42 100
18.0	70.6	45.3	32 600
20.0	67.9	44.5	25 500
22.0	65.2	43.6	19 800
24.0	62.3	42.5	15 300
26.0	59.4	41.4	11 600
28.0	56.4	40.0	8 500
30.0	53.3	38.6	5 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	115 000 *
9.0	82.8	50.7	114 600 *
10.0	81.6	50.6	106 800
11.0	80.4	50.4	88 000
12.0	79.2	50.2	74 500
13.0	78.0	50.0	63 900
14.0	76.8	49.7	55 400
15.0	75.6	49.4	48 200
16.0	74.3	49.2	42 200
18.0	71.9	48.5	32 800
20.0	69.4	47.8	25 600
22.0	66.8	46.9	19 900
24.0	64.2	46.0	15 400
26.0	61.5	44.9	11 700
28.0	58.8	43.7	8 500
30.0	56.0	42.4	5 900
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	111 200 *
10.0	82.1	53.6	104 800
11.0	81.0	53.5	88 200
12.0	79.8	53.3	74 800
13.0	78.7	53.1	64 100
14.0	77.6	52.9	55 600
15.0	76.4	52.6	48 500
16.0	75.3	52.3	42 500
18.0	73.0	51.7	33 000
20.0	70.6	51.0	25 800
22.0	68.3	50.2	20 200
24.0	65.8	49.4	15 600
26.0	63.4	48.4	11 900
28.0	60.8	47.3	8 700
30.0	58.3	46.0	6 100
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	88 400
12.0	80.4	56.4	74 900
13.0	79.3	56.2	64 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
14.0	78.3	56.0	55 700
15.0	77.2	55.7	48 600
16.0	76.1	55.5	42 500
18.0	74.0	54.9	33 100
20.0	71.8	54.3	25 900
22.0	69.5	53.5	20 200
24.0	67.3	52.7	15 600
26.0	65.0	51.8	11 900
28.0	62.6	50.7	8 700
30.0	60.2	49.6	6 100
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	81 600 *
11.0	81.9	59.7	81 500
12.0	80.9	59.5	75 800
13.0	79.9	59.3	64 400
14.0	78.9	59.1	55 800
15.0	77.9	58.9	48 600
16.0	76.9	58.6	42 600
18.0	74.8	58.1	33 100
20.0	72.8	57.5	25 900
22.0	70.7	56.8	20 200
24.0	68.5	56.0	15 600
26.0	66.4	55.1	11 900
28.0	64.2	54.2	8 700
30.0	61.9	53.1	6 100
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	75 200
13.0	80.4	62.4	64 500
14.0	79.5	62.2	55 800
15.0	78.5	62.0	48 700
16.0	77.5	61.8	42 600
18.0	75.6	61.3	33 100
20.0	73.6	60.7	25 800
22.0	71.7	60.0	20 200
24.0	69.7	59.3	15 600
26.0	67.6	58.5	11 800
28.0	65.6	57.6	8 700
30.0	63.5	56.6	6 000


M-250

Liftcrane Boom Capacities With Luffing Jib Attached

 Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	198 600 *
7.5	79.0	26.2	178 400
8.0	77.8	26.1	154 500
8.5	76.6	26.0	136 100
9.0	75.4	25.8	121 000
10.0	72.9	25.5	97 700
11.0	70.4	25.1	80 700
12.0	67.8	24.7	67 600
13.0	65.2	24.2	57 200
14.0	62.6	23.7	48 800
15.0	59.8	23.1	41 900
16.0	57.0	22.4	36 000
18.0	51.1	20.8	26 800
20.0	44.5	18.9	19 800
22.0	37.0	16.4	14 300
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	198 800 *
7.5	80.3	29.3	180 200
8.0	79.2	29.2	156 100
8.5	78.1	29.1	137 600
9.0	77.0	29.0	122 500
10.0	74.9	28.7	99 200
11.0	72.7	28.4	82 100
12.0	70.4	28.0	68 900
13.0	68.2	27.6	58 600
14.0	65.9	27.1	50 100
15.0	63.5	26.6	43 200
16.0	61.1	26.0	37 300
18.0	56.1	24.7	28 000
20.0	50.8	23.1	21 000
22.0	45.0	21.2	15 500
24.0	38.5	18.8	11 000

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	182 100
8.0	80.3	32.3	157 400
8.5	79.3	32.2	138 800
9.0	78.4	32.1	123 700
10.0	76.4	31.9	100 300
11.0	74.5	31.6	83 100
12.0	72.5	31.2	69 900
13.0	70.5	30.9	59 500
14.0	68.5	30.5	51 100
15.0	66.4	30.0	44 100
16.0	64.3	29.5	38 200
18.0	60.0	28.4	28 900
20.0	55.4	27.0	21 900
22.0	50.6	25.4	16 300
24.0	45.4	23.5	11 900
26.0	39.7	21.2	8 200
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	139 600
9.0	79.4	35.2	124 600
10.0	77.7	35.0	101 100
11.0	75.9	34.7	84 000
12.0	74.1	34.4	70 800
13.0	72.3	34.1	60 300
14.0	70.5	33.8	51 900
15.0	68.7	33.3	44 900
16.0	66.8	32.9	39 000
18.0	63.0	31.9	29 600
20.0	59.0	30.7	22 600
22.0	54.9	29.3	17 000
24.0	50.5	27.7	12 600
26.0	45.8	25.8	8 900
28.0	40.6	23.6	5 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	145 700 *
7.5	82.7	38.6	145 000 *
8.0	81.9	38.5	143 200 *
8.5	81.1	38.4	139 900
9.0	80.3	38.3	125 400
10.0	78.7	38.1	101 800
11.0	77.1	37.9	84 600
12.0	75.5	37.6	71 400
13.0	73.9	37.3	60 900
14.0	72.2	37.0	52 500
15.0	70.5	36.6	45 400
16.0	68.9	36.2	39 500
18.0	65.4	35.3	30 100
20.0	61.9	34.3	23 100
22.0	58.2	33.1	17 500
24.0	54.4	31.7	13 000
26.0	50.4	30.0	9 300
28.0	46.1	28.2	6 200
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	126 400
10.0	79.6	41.3	102 500
11.0	78.1	41.0	85 300
12.0	76.6	40.8	72 000
13.0	75.1	40.5	61 600
14.0	73.6	40.2	53 100
15.0	72.1	39.9	46 100
16.0	70.6	39.5	40 100
18.0	67.4	38.7	30 800
20.0	64.2	37.7	23 700
22.0	60.9	36.6	18 100
24.0	57.5	35.4	13 600
26.0	54.0	34.0	10 000
28.0	50.3	32.3	6 900

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	127 400
10.0	80.4	44.4	103 000
11.0	79.0	44.2	85 700
12.0	77.6	43.9	72 400
13.0	76.2	43.7	61 900
14.0	74.8	43.4	53 400
15.0	73.4	43.1	46 400
16.0	72.0	42.8	40 500
18.0	69.1	42.0	31 100
20.0	66.2	41.1	24 000
22.0	63.2	40.1	18 400
24.0	60.1	39.0	13 900
26.0	56.9	37.7	10 200
28.0	53.6	36.3	7 100
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	104 300
11.0	79.7	47.3	86 100
12.0	78.5	47.1	72 800
13.0	77.2	46.8	62 300
14.0	75.9	46.6	53 700
15.0	74.6	46.3	46 700
16.0	73.3	46.0	40 700
18.0	70.6	45.3	31 400
20.0	67.9	44.5	24 200
22.0	65.2	43.6	18 600
24.0	62.3	42.5	14 100
26.0	59.4	41.4	10 500
28.0	56.4	40.0	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	105 000
11.0	80.4	50.4	86 400
12.0	79.2	50.2	73 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
13.0	78.0	50.0	62 500
14.0	76.8	49.7	54 000
15.0	75.6	49.4	46 900
16.0	74.3	49.2	41 000
18.0	71.9	48.5	31 500
20.0	69.4	47.8	24 400
22.0	66.8	46.9	18 800
24.0	64.2	46.0	14 300
26.0	61.5	44.9	10 500
28.0	58.8	43.7	7 400
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	109 900 *
10.0	82.1	53.6	103 100
11.0	81.0	53.5	86 600
12.0	79.8	53.3	73 300
13.0	78.7	53.1	62 800
14.0	77.6	52.9	54 200
15.0	76.4	52.6	47 100
16.0	75.3	52.3	41 200
18.0	73.0	51.7	31 800
20.0	70.6	51.0	24 700
22.0	68.3	50.2	19 000
24.0	65.8	49.4	14 500
26.0	63.4	48.4	10 800
28.0	60.8	47.3	7 700
30.0	58.3	46.0	5 100
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	86 900
12.0	80.4	56.4	73 500
13.0	79.3	56.2	62 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
14.0	78.3	56.0	54 400
15.0	77.2	55.7	47 300
16.0	76.1	55.5	41 300
18.0	74.0	54.9	31 900
20.0	71.8	54.3	24 700
22.0	69.5	53.5	19 100
24.0	67.3	52.7	14 600
26.0	65.0	51.8	10 900
28.0	62.6	50.7	7 700
30.0	60.2	49.6	5 100
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	81 600 *
11.0	81.9	59.7	81 500
12.0	80.9	59.5	74 200
13.0	79.9	59.3	63 000
14.0	78.9	59.1	54 400
15.0	77.9	58.9	47 400
16.0	76.9	58.6	41 400
18.0	74.8	58.1	31 900
20.0	72.8	57.5	24 700
22.0	70.7	56.8	19 100
24.0	68.5	56.0	14 600
26.0	66.4	55.1	10 900
28.0	64.2	54.2	7 700
30.0	61.9	53.1	5 100
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	73 900
13.0	80.4	62.4	63 100
14.0	79.5	62.2	54 500
15.0	78.5	62.0	47 400
16.0	77.5	61.8	41 400
18.0	75.6	61.3	31 900
20.0	73.6	60.7	24 700
22.0	71.7	60.0	19 100
24.0	69.7	59.3	14 600
26.0	67.6	58.5	10 800
28.0	65.6	57.6	7 700



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	196 800 *
7.5	79.0	26.2	175 300
8.0	77.8	26.1	151 800
8.5	76.6	26.0	133 500
9.0	75.4	25.8	118 500
10.0	72.9	25.5	95 400
11.0	70.4	25.1	78 400
12.0	67.8	24.7	65 400
13.0	65.2	24.2	55 100
14.0	62.6	23.7	46 800
15.0	59.8	23.1	39 900
16.0	57.0	22.4	34 100
18.0	51.1	20.8	24 900
20.0	44.5	18.9	18 000
22.0	37.0	16.4	12 500
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	177 400
8.0	79.2	29.2	153 500
8.5	78.1	29.1	135 200
9.0	77.0	29.0	120 100
10.0	74.9	28.7	96 900
11.0	72.7	28.4	79 900
12.0	70.4	28.0	66 900
13.0	68.2	27.6	56 600
14.0	65.9	27.1	48 200
15.0	63.5	26.6	41 300
16.0	61.1	26.0	35 500
18.0	56.1	24.7	26 300
20.0	50.8	23.1	19 300
22.0	45.0	21.2	13 800
24.0	38.5	18.8	9 400

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	179 400
8.0	80.3	32.3	154 800
8.5	79.3	32.2	136 500
9.0	78.4	32.1	121 400
10.0	76.4	31.9	98 100
11.0	74.5	31.6	81 100
12.0	72.5	31.2	68 000
13.0	70.5	30.9	57 600
14.0	68.5	30.5	49 300
15.0	66.4	30.0	42 300
16.0	64.3	29.5	36 500
18.0	60.0	28.4	27 200
20.0	55.4	27.0	20 200
22.0	50.6	25.4	14 700
24.0	45.4	23.5	10 300
33.5m (110 Ft.) BOOM			
7.0	82.9	35.6	148 300 *
7.5	82.0	35.5	146 000 *
8.0	81.2	35.4	143 800 *
8.5	80.3	35.3	137 400
9.0	79.4	35.2	122 400
10.0	77.7	35.0	99 100
11.0	75.9	34.7	82 000
12.0	74.1	34.4	68 900
13.0	72.3	34.1	58 500
14.0	70.5	33.8	50 100
15.0	68.7	33.3	43 200
16.0	66.8	32.9	37 300
18.0	63.0	31.9	28 000
20.0	59.0	30.7	21 000
22.0	54.9	29.3	15 500
24.0	50.5	27.7	11 100
26.0	45.8	25.8	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	137 800
9.0	80.3	38.3	123 200
10.0	78.7	38.1	99 800
11.0	77.1	37.9	82 700
12.0	75.5	37.6	69 600
13.0	73.9	37.3	59 200
14.0	72.2	37.0	50 800
15.0	70.5	36.6	43 800
16.0	68.9	36.2	37 900
18.0	65.4	35.3	28 600
20.0	61.9	34.3	21 600
22.0	58.2	33.1	16 100
24.0	54.4	31.7	11 600
26.0	50.4	30.0	8 000
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	124 300
10.0	79.6	41.3	100 600
11.0	78.1	41.0	83 400
12.0	76.6	40.8	70 300
13.0	75.1	40.5	59 900
14.0	73.6	40.2	51 500
15.0	72.1	39.9	44 500
16.0	70.6	39.5	38 600
18.0	67.4	38.7	29 300
20.0	64.2	37.7	22 300
22.0	60.9	36.6	16 800
24.0	57.5	35.4	12 300
26.0	54.0	34.0	8 600

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	125 400
10.0	80.4	44.4	101 100
11.0	79.0	44.2	84 000
12.0	77.6	43.9	70 800
13.0	76.2	43.7	60 300
14.0	74.8	43.4	51 900
15.0	73.4	43.1	44 900
16.0	72.0	42.8	39 000
18.0	69.1	42.0	29 700
20.0	66.2	41.1	22 600
22.0	63.2	40.1	17 100
24.0	60.1	39.0	12 600
26.0	56.9	37.7	8 900
28.0	53.6	36.3	5 800
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	102 400
11.0	79.7	47.3	84 300
12.0	78.5	47.1	71 100
13.0	77.2	46.8	60 700
14.0	75.9	46.6	52 200
15.0	74.6	46.3	45 200
16.0	73.3	46.0	39 300
18.0	70.6	45.3	30 000
20.0	67.9	44.5	22 900
22.0	65.2	43.6	17 300
24.0	62.3	42.5	12 900
26.0	59.4	41.4	9 200
28.0	56.4	40.0	6 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	112 100 *
9.0	82.8	50.7	111 700 *
10.0	81.6	50.6	103 200
11.0	80.4	50.4	84 700
12.0	79.2	50.2	71 400
13.0	78.0	50.0	61 000
14.0	76.8	49.7	52 500
15.0	75.6	49.4	45 400
16.0	74.3	49.2	39 500
18.0	71.9	48.5	30 200
20.0	69.4	47.8	23 100
22.0	66.8	46.9	17 500
24.0	64.2	46.0	13 000
26.0	61.5	44.9	9 300
28.0	58.8	43.7	6 200
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	108 200 *
10.0	82.1	53.6	101 400
11.0	81.0	53.5	84 900
12.0	79.8	53.3	71 700
13.0	78.7	53.1	61 200
14.0	77.6	52.9	52 800
15.0	76.4	52.6	45 700
16.0	75.3	52.3	39 800
18.0	73.0	51.7	30 500
20.0	70.6	51.0	23 300
22.0	68.3	50.2	17 800
24.0	65.8	49.4	13 300
26.0	63.4	48.4	9 600
28.0	60.8	47.3	6 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	99 400 *
10.0	82.5	56.7	97 900
11.0	81.5	56.6	85 200
12.0	80.4	56.4	71 900
13.0	79.3	56.2	61 400
14.0	78.3	56.0	53 000
15.0	77.2	55.7	45 900
16.0	76.1	55.5	40 000
18.0	74.0	54.9	30 600
20.0	71.8	54.3	23 500
22.0	69.5	53.5	17 900
24.0	67.3	52.7	13 400
26.0	65.0	51.8	9 700
28.0	62.6	50.7	6 600
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	81 600 *
11.0	81.9	59.7	81 400
12.0	80.9	59.5	72 500
13.0	79.9	59.3	61 600
14.0	78.9	59.1	53 000
15.0	77.9	58.9	46 000
16.0	76.9	58.6	40 100
18.0	74.8	58.1	30 600
20.0	72.8	57.5	23 500
22.0	70.7	56.8	17 900
24.0	68.5	56.0	13 400
26.0	66.4	55.1	9 700
28.0	64.2	54.2	6 600


M-250

Liftcrane Boom Capacities With Luffing Jib Attached

 Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	195 400 *
7.5	79.0	26.2	172 500
8.0	77.8	26.1	149 300
8.5	76.6	26.0	131 100
9.0	75.4	25.8	116 200
10.0	72.9	25.5	93 300
11.0	70.4	25.1	76 500
12.0	67.8	24.7	63 500
13.0	65.2	24.2	53 300
14.0	62.6	23.7	45 100
15.0	59.8	23.1	38 200
16.0	57.0	22.4	32 500
18.0	51.1	20.8	23 400
20.0	44.5	18.9	16 500
22.0	37.0	16.4	11 100
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	174 800
8.0	79.2	29.2	151 100
8.5	78.1	29.1	132 900
9.0	77.0	29.0	118 000
10.0	74.9	28.7	94 900
11.0	72.7	28.4	78 100
12.0	70.4	28.0	65 100
13.0	68.2	27.6	54 900
14.0	65.9	27.1	46 600
15.0	63.5	26.6	39 800
16.0	61.1	26.0	34 000
18.0	56.1	24.7	24 900
20.0	50.8	23.1	17 900
22.0	45.0	21.2	12 500
24.0	38.5	18.8	8 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	188 600 *
7.0	82.2	32.5	186 600 *
7.5	81.2	32.4	176 900
8.0	80.3	32.3	152 600
8.5	79.3	32.2	134 300
9.0	78.4	32.1	119 300
10.0	76.4	31.9	96 200
11.0	74.5	31.6	79 300
12.0	72.5	31.2	66 300
13.0	70.5	30.9	56 000
14.0	68.5	30.5	47 700
15.0	66.4	30.0	40 900
16.0	64.3	29.5	35 100
18.0	60.0	28.4	25 900
20.0	55.4	27.0	19 000
22.0	50.6	25.4	13 500
24.0	45.4	23.5	9 100
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	135 400
9.0	79.4	35.2	120 400
10.0	77.7	35.0	97 300
11.0	75.9	34.7	80 300
12.0	74.1	34.4	67 300
13.0	72.3	34.1	57 000
14.0	70.5	33.8	48 700
15.0	68.7	33.3	41 800
16.0	66.8	32.9	36 000
18.0	63.0	31.9	26 800
20.0	59.0	30.7	19 800
22.0	54.9	29.3	14 400
24.0	50.5	27.7	9 900
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	135 900
9.0	80.3	38.3	121 300
10.0	78.7	38.1	98 100
11.0	77.1	37.9	81 100

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
12.0	75.5	37.6	68 000
13.0	73.9	37.3	57 700
14.0	72.2	37.0	49 400
15.0	70.5	36.6	42 500
16.0	68.9	36.2	36 600
18.0	65.4	35.3	27 400
20.0	61.9	34.3	20 500
22.0	58.2	33.1	14 900
24.0	54.4	31.7	10 500
26.0	50.4	30.0	6 900
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	122 400
10.0	79.6	41.3	98 900
11.0	78.1	41.0	81 900
12.0	76.6	40.8	68 800
13.0	75.1	40.5	58 500
14.0	73.6	40.2	50 100
15.0	72.1	39.9	43 200
16.0	70.6	39.5	37 400
18.0	67.4	38.7	28 100
20.0	64.2	37.7	21 200
22.0	60.9	36.6	15 700
24.0	57.5	35.4	11 300
26.0	54.0	34.0	7 600
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	123 500
10.0	80.4	44.4	99 500
11.0	79.0	44.2	82 400
12.0	77.6	43.9	69 300
13.0	76.2	43.7	59 000
14.0	74.8	43.4	50 600
15.0	73.4	43.1	43 700
16.0	72.0	42.8	37 800
18.0	69.1	42.0	28 500
20.0	66.2	41.1	21 500
22.0	63.2	40.1	16 000
24.0	60.1	39.0	11 600
26.0	56.9	37.7	8 000

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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
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	100 800
11.0	79.7	47.3	82 900
12.0	78.5	47.1	69 700
13.0	77.2	46.8	59 400
14.0	75.9	46.6	51 000
15.0	74.6	46.3	44 000
16.0	73.3	46.0	38 200
18.0	70.6	45.3	28 900
20.0	67.9	44.5	21 900
22.0	65.2	43.6	16 300
24.0	62.3	42.5	11 900
26.0	59.4	41.4	8 200
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	101 600
11.0	80.4	50.4	83 200
12.0	79.2	50.2	70 100
13.0	78.0	50.0	59 700
14.0	76.8	49.7	51 300
15.0	75.6	49.4	44 300
16.0	74.3	49.2	38 400
18.0	71.9	48.5	29 100
20.0	69.4	47.8	22 100
22.0	66.8	46.9	16 600
24.0	64.2	46.0	12 100
26.0	61.5	44.9	8 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	106 600 *
10.0	82.1	53.6	99 800
11.0	81.0	53.5	83 500
12.0	79.8	53.3	70 400
13.0	78.7	53.1	60 000
14.0	77.6	52.9	51 600
15.0	76.4	52.6	44 600
16.0	75.3	52.3	38 700
18.0	73.0	51.7	29 400
20.0	70.6	51.0	22 400
22.0	68.3	50.2	16 800
24.0	65.8	49.4	12 400
26.0	63.4	48.4	8 700
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	83 900
12.0	80.4	56.4	70 700
13.0	79.3	56.2	60 200
14.0	78.3	56.0	51 800
15.0	77.2	55.7	44 800
16.0	76.1	55.5	38 900
18.0	74.0	54.9	29 600
20.0	71.8	54.3	22 500
22.0	69.5	53.5	17 000
24.0	67.3	52.7	12 500
26.0	65.0	51.8	8 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	81 600 *
11.0	81.9	59.7	81 300
12.0	80.9	59.5	71 100
13.0	79.9	59.3	60 400
14.0	78.9	59.1	51 900
15.0	77.9	58.9	44 900
16.0	76.9	58.6	39 000
18.0	74.8	58.1	29 700
20.0	72.8	57.5	22 600
22.0	70.7	56.8	17 100
24.0	68.5	56.0	12 600
26.0	66.4	55.1	8 900
28.0	64.2	54.2	5 800


M-250

Liftcrane Boom Capacities With Luffing Jib Attached

 Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	169 200
8.0	77.8	26.1	146 300
8.5	76.6	26.0	128 300
9.0	75.4	25.8	113 500
10.0	72.9	25.5	90 700
11.0	70.4	25.1	74 000
12.0	67.8	24.7	61 300
13.0	65.2	24.2	51 100
14.0	62.6	23.7	42 900
15.0	59.8	23.1	36 100
16.0	57.0	22.4	30 400
18.0	51.1	20.8	21 400
20.0	44.5	18.9	14 600
22.0	37.0	16.4	9 200
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	171 800
8.0	79.2	29.2	148 300
8.5	78.1	29.1	130 200
9.0	77.0	29.0	115 400
10.0	74.9	28.7	92 600
11.0	72.7	28.4	75 800
12.0	70.4	28.0	62 900
13.0	68.2	27.6	52 800
14.0	65.9	27.1	44 600
15.0	63.5	26.6	37 800
16.0	61.1	26.0	32 000
18.0	56.1	24.7	23 000
20.0	50.8	23.1	16 100
22.0	45.0	21.2	10 700
24.0	38.5	18.8	6 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
6.7	82.8	32.6	186 200 *
7.0	82.2	32.5	184 200 *
7.5	81.2	32.4	174 300
8.0	80.3	32.3	149 900
8.5	79.3	32.2	131 800
9.0	78.4	32.1	116 900
10.0	76.4	31.9	94 000
11.0	74.5	31.6	77 200
12.0	72.5	31.2	64 300
13.0	70.5	30.9	54 100
14.0	68.5	30.5	45 800
15.0	66.4	30.0	39 000
16.0	64.3	29.5	33 300
18.0	60.0	28.4	24 100
20.0	55.4	27.0	17 200
22.0	50.6	25.4	11 800
24.0	45.4	23.5	7 500
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	133 100
9.0	79.4	35.2	118 100
10.0	77.7	35.0	95 100
11.0	75.9	34.7	78 200
12.0	74.1	34.4	65 300
13.0	72.3	34.1	55 100
14.0	70.5	33.8	46 900
15.0	68.7	33.3	40 000
16.0	66.8	32.9	34 200
18.0	63.0	31.9	25 100
20.0	59.0	30.7	18 200
22.0	54.9	29.3	12 700
24.0	50.5	27.7	8 400

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	141 800 *
7.5	82.7	38.6	141 100 *
8.0	81.9	38.5	139 100 *
8.5	81.1	38.4	133 700
9.0	80.3	38.3	119 100
10.0	78.7	38.1	96 000
11.0	77.1	37.9	79 100
12.0	75.5	37.6	66 100
13.0	73.9	37.3	55 900
14.0	72.2	37.0	47 600
15.0	70.5	36.6	40 700
16.0	68.9	36.2	35 000
18.0	65.4	35.3	25 800
20.0	61.9	34.3	18 900
22.0	58.2	33.1	13 400
24.0	54.4	31.7	9 000
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	120 100
10.0	79.6	41.3	96 800
11.0	78.1	41.0	80 000
12.0	76.6	40.8	67 000
13.0	75.1	40.5	56 700
14.0	73.6	40.2	48 400
15.0	72.1	39.9	41 600
16.0	70.6	39.5	35 800
18.0	67.4	38.7	26 600
20.0	64.2	37.7	19 700
22.0	60.9	36.6	14 200
24.0	57.5	35.4	9 800

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	121 300
10.0	80.4	44.4	97 500
11.0	79.0	44.2	80 600
12.0	77.6	43.9	67 600
13.0	76.2	43.7	57 300
14.0	74.8	43.4	49 000
15.0	73.4	43.1	42 000
16.0	72.0	42.8	36 200
18.0	69.1	42.0	27 000
20.0	66.2	41.1	20 100
22.0	63.2	40.1	14 600
24.0	60.1	39.0	10 200
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	98 800
11.0	79.7	47.3	81 100
12.0	78.5	47.1	68 000
13.0	77.2	46.8	57 700
14.0	75.9	46.6	49 400
15.0	74.6	46.3	42 500
16.0	73.3	46.0	36 700
18.0	70.6	45.3	27 400
20.0	67.9	44.5	20 500
22.0	65.2	43.6	15 000
24.0	62.3	42.5	10 600
26.0	59.4	41.4	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	109 400 *
9.0	82.8	50.7	109 000 *
10.0	81.6	50.6	99 600
11.0	80.4	50.4	81 500
12.0	79.2	50.2	68 400
13.0	78.0	50.0	58 100
14.0	76.8	49.7	49 700
15.0	75.6	49.4	42 800
16.0	74.3	49.2	36 900
18.0	71.9	48.5	27 700
20.0	69.4	47.8	20 700
22.0	66.8	46.9	15 200
24.0	64.2	46.0	10 800
26.0	61.5	44.9	7 100
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	105 000 *
10.0	82.1	53.6	98 200
11.0	81.0	53.5	81 800
12.0	79.8	53.3	68 700
13.0	78.7	53.1	58 400
14.0	77.6	52.9	50 000
15.0	76.4	52.6	43 100
16.0	75.3	52.3	37 300
18.0	73.0	51.7	28 000
20.0	70.6	51.0	21 000
22.0	68.3	50.2	15 600
24.0	65.8	49.4	11 100
26.0	63.4	48.4	7 500

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	96 200 *
10.0	82.5	56.7	94 700
11.0	81.5	56.6	82 100
12.0	80.4	56.4	69 000
13.0	79.3	56.2	58 700
14.0	78.3	56.0	50 300
15.0	77.2	55.7	43 300
16.0	76.1	55.5	37 500
18.0	74.0	54.9	28 200
20.0	71.8	54.3	21 200
22.0	69.5	53.5	15 700
24.0	67.3	52.7	11 300
26.0	65.0	51.8	7 600
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	81 600 *
11.0	81.9	59.7	79 800
12.0	80.9	59.5	69 500
13.0	79.9	59.3	58 800
14.0	78.9	59.1	50 500
15.0	77.9	58.9	43 500
16.0	76.9	58.6	37 600
18.0	74.8	58.1	28 400
20.0	72.8	57.5	21 300
22.0	70.7	56.8	15 800
24.0	68.5	56.0	11 400
26.0	66.4	55.1	7 700


M-250

Liftcrane Boom Capacities With Luffing Jib Attached

 Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	166 000
8.0	77.8	26.1	143 300
8.5	76.6	26.0	125 500
9.0	75.4	25.8	110 800
10.0	72.9	25.5	88 200
11.0	70.4	25.1	71 700
12.0	67.8	24.7	59 000
13.0	65.2	24.2	48 900
14.0	62.6	23.7	40 800
15.0	59.8	23.1	34 100
16.0	57.0	22.4	28 400
18.0	51.1	20.8	19 400
20.0	44.5	18.9	12 700
22.0	37.0	16.4	7 400
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	168 800
8.0	79.2	29.2	145 400
8.5	78.1	29.1	127 500
9.0	77.0	29.0	112 800
10.0	74.9	28.7	90 200
11.0	72.7	28.4	73 600
12.0	70.4	28.0	60 800
13.0	68.2	27.6	50 700
14.0	65.9	27.1	42 600
15.0	63.5	26.6	35 800
16.0	61.1	26.0	30 200
18.0	56.1	24.7	21 200
20.0	50.8	23.1	14 400
22.0	45.0	21.2	9 000

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	171 500
8.0	80.3	32.3	147 200
8.5	79.3	32.2	129 200
9.0	78.4	32.1	114 400
10.0	76.4	31.9	91 700
11.0	74.5	31.6	75 000
12.0	72.5	31.2	62 200
13.0	70.5	30.9	52 100
14.0	68.5	30.5	43 900
15.0	66.4	30.0	37 100
16.0	64.3	29.5	31 400
18.0	60.0	28.4	22 400
20.0	55.4	27.0	15 600
22.0	50.6	25.4	10 200
24.0	45.4	23.5	5 900
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	130 700
9.0	79.4	35.2	115 700
10.0	77.7	35.0	92 900
11.0	75.9	34.7	76 200
12.0	74.1	34.4	63 400
13.0	72.3	34.1	53 300
14.0	70.5	33.8	45 100
15.0	68.7	33.3	38 300
16.0	66.8	32.9	32 500
18.0	63.0	31.9	23 500
20.0	59.0	30.7	16 600
22.0	54.9	29.3	11 300
24.0	50.5	27.7	6 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
36.6m (120 Ft.) BOOM			
7.3	83.0	38.6	140 400 *
7.5	82.7	38.6	139 600 *
8.0	81.9	38.5	137 700 *
8.5	81.1	38.4	131 500
9.0	80.3	38.3	116 800
10.0	78.7	38.1	93 900
11.0	77.1	37.9	77 200
12.0	75.5	37.6	64 300
13.0	73.9	37.3	54 100
14.0	72.2	37.0	45 900
15.0	70.5	36.6	39 100
16.0	68.9	36.2	33 300
18.0	65.4	35.3	24 300
20.0	61.9	34.3	17 400
22.0	58.2	33.1	12 000
24.0	54.4	31.7	7 600
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	131 700
9.0	81.1	41.4	117 700
10.0	79.6	41.3	94 800
11.0	78.1	41.0	78 000
12.0	76.6	40.8	65 200
13.0	75.1	40.5	55 000
14.0	73.6	40.2	46 700
15.0	72.1	39.9	39 900
16.0	70.6	39.5	34 200
18.0	67.4	38.7	25 100
20.0	64.2	37.7	18 200
22.0	60.9	36.6	12 800
24.0	57.5	35.4	8 500

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	119 000
10.0	80.4	44.4	95 500
11.0	79.0	44.2	78 700
12.0	77.6	43.9	65 800
13.0	76.2	43.7	55 600
14.0	74.8	43.4	47 300
15.0	73.4	43.1	40 500
16.0	72.0	42.8	34 700
18.0	69.1	42.0	25 600
20.0	66.2	41.1	18 700
22.0	63.2	40.1	13 300
24.0	60.1	39.0	8 900
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	96 700
11.0	79.7	47.3	79 200
12.0	78.5	47.1	66 300
13.0	77.2	46.8	56 100
14.0	75.9	46.6	47 800
15.0	74.6	46.3	40 900
16.0	73.3	46.0	35 200
18.0	70.6	45.3	26 000
20.0	67.9	44.5	19 100
22.0	65.2	43.6	13 700
24.0	62.3	42.5	9 300

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
48.8m (160 Ft.) BOOM			
8.8	83.0	50.7	108 000 *
9.0	82.8	50.7	107 500 *
10.0	81.6	50.6	97 700
11.0	80.4	50.4	79 700
12.0	79.2	50.2	66 700
13.0	78.0	50.0	56 500
14.0	76.8	49.7	48 200
15.0	75.6	49.4	41 300
16.0	74.3	49.2	35 500
18.0	71.9	48.5	26 300
20.0	69.4	47.8	19 400
22.0	66.8	46.9	14 000
24.0	64.2	46.0	9 600
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	103 300 *
10.0	82.1	53.6	96 400
11.0	81.0	53.5	80 100
12.0	79.8	53.3	67 100
13.0	78.7	53.1	56 900
14.0	77.6	52.9	48 500
15.0	76.4	52.6	41 700
16.0	75.3	52.3	35 800
18.0	73.0	51.7	26 700
20.0	70.6	51.0	19 800
22.0	68.3	50.2	14 300
24.0	65.8	49.4	9 900

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	94 500 *
10.0	82.5	56.7	93 000
11.0	81.5	56.6	80 500
12.0	80.4	56.4	67 400
13.0	79.3	56.2	57 100
14.0	78.3	56.0	48 800
15.0	77.2	55.7	41 900
16.0	76.1	55.5	36 100
18.0	74.0	54.9	26 900
20.0	71.8	54.3	20 000
22.0	69.5	53.5	14 500
24.0	67.3	52.7	10 100
57.9m (190 Ft.) BOOM			
10.4	82.6	59.7	80 900 *
11.0	81.9	59.7	78 300
12.0	80.9	59.5	67 900
13.0	79.9	59.3	57 400
14.0	78.9	59.1	49 000
15.0	77.9	58.9	42 100
16.0	76.9	58.6	36 300
18.0	74.8	58.1	27 100
20.0	72.8	57.5	20 100
22.0	70.7	56.8	14 600
24.0	68.5	56.0	10 200

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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	162 700
8.0	77.8	26.1	140 200
8.5	76.6	26.0	122 500
9.0	75.4	25.8	107 900
10.0	72.9	25.5	85 500
11.0	70.4	25.1	69 100
12.0	67.8	24.7	56 500
13.0	65.2	24.2	46 500
14.0	62.6	23.7	38 500
15.0	59.8	23.1	31 800
16.0	57.0	22.4	26 200
18.0	51.1	20.8	17 300
20.0	44.5	18.9	10 600
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	165 600
8.0	79.2	29.2	142 500
8.5	78.1	29.1	124 700
9.0	77.0	29.0	110 100
10.0	74.9	28.7	87 600
11.0	72.7	28.4	71 100
12.0	70.4	28.0	58 500
13.0	68.2	27.6	48 500
14.0	65.9	27.1	40 400
15.0	63.5	26.6	33 700
16.0	61.1	26.0	28 100
18.0	56.1	24.7	19 200
20.0	50.8	23.1	12 400
22.0	45.0	21.2	7 200
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	168 500
8.0	80.3	32.3	144 300
8.5	79.3	32.2	126 500
9.0	78.4	32.1	111 800

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
30.5m (100 Ft.) BOOM			
10.0	76.4	31.9	89 200
11.0	74.5	31.6	72 700
12.0	72.5	31.2	60 000
13.0	70.5	30.9	50 000
14.0	68.5	30.5	41 900
15.0	66.4	30.0	35 100
16.0	64.3	29.5	29 500
18.0	60.0	28.4	20 500
20.0	55.4	27.0	13 800
22.0	50.6	25.4	8 500
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	128 200
9.0	79.4	35.2	113 200
10.0	77.7	35.0	90 600
11.0	75.9	34.7	74 000
12.0	74.1	34.4	61 300
13.0	72.3	34.1	51 200
14.0	70.5	33.8	43 100
15.0	68.7	33.3	36 400
16.0	66.8	32.9	30 700
18.0	63.0	31.9	21 700
20.0	59.0	30.7	14 900
22.0	54.9	29.3	9 600
24.0	50.5	27.7	5 300
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	129 100
9.0	80.3	38.3	114 300
10.0	78.7	38.1	91 600
11.0	77.1	37.9	75 000
12.0	75.5	37.6	62 200
13.0	73.9	37.3	52 100
14.0	72.2	37.0	44 000
15.0	70.5	36.6	37 200
16.0	68.9	36.2	31 500
18.0	65.4	35.3	22 500
20.0	61.9	34.3	15 700
22.0	58.2	33.1	10 400
24.0	54.4	31.7	6 000

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
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	115 300
10.0	79.6	41.3	92 600
11.0	78.1	41.0	76 000
12.0	76.6	40.8	63 200
13.0	75.1	40.5	53 100
14.0	73.6	40.2	44 900
15.0	72.1	39.9	38 200
16.0	70.6	39.5	32 500
18.0	67.4	38.7	23 400
20.0	64.2	37.7	16 600
22.0	60.9	36.6	11 300
24.0	57.5	35.4	6 900
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	116 600
10.0	80.4	44.4	93 400
11.0	79.0	44.2	76 700
12.0	77.6	43.9	63 900
13.0	76.2	43.7	53 800
14.0	74.8	43.4	45 600
15.0	73.4	43.1	38 800
16.0	72.0	42.8	33 100
18.0	69.1	42.0	24 000
20.0	66.2	41.1	17 200
22.0	63.2	40.1	11 800
24.0	60.1	39.0	7 400
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	94 600
11.0	79.7	47.3	77 300
12.0	78.5	47.1	64 400
13.0	77.2	46.8	54 300
14.0	75.9	46.6	46 100
15.0	74.6	46.3	39 300
16.0	73.3	46.0	33 600
18.0	70.6	45.3	24 500
20.0	67.9	44.5	17 600
22.0	65.2	43.6	12 200
24.0	62.3	42.5	7 900

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
75 750 kg 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
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	95 600
11.0	80.4	50.4	77 800
12.0	79.2	50.2	64 900
13.0	78.0	50.0	54 800
14.0	76.8	49.7	46 500
15.0	75.6	49.4	39 700
16.0	74.3	49.2	33 900
18.0	71.9	48.5	24 800
20.0	69.4	47.8	18 000
22.0	66.8	46.9	12 600
24.0	64.2	46.0	8 200
51.8m (170 Ft.) BOOM			
9.1	83.0	53.8	101 300 *
10.0	82.1	53.6	94 500
11.0	81.0	53.5	78 200
12.0	79.8	53.3	65 300
13.0	78.7	53.1	55 200
14.0	77.6	52.9	46 900
15.0	76.4	52.6	40 100
16.0	75.3	52.3	34 300
18.0	73.0	51.7	25 300
20.0	70.6	51.0	18 400
22.0	68.3	50.2	13 000
24.0	65.8	49.4	8 600

Oper. Rad. Meters	Boom Ang. Deg.	Boom Point Elev. Meters	Boom Capacity Kilograms
54.9m (180 Ft.) BOOM			
9.8	82.8	56.8	92 600 *
10.0	82.5	56.7	91 100
11.0	81.5	56.6	78 600
12.0	80.4	56.4	65 700
13.0	79.3	56.2	55 500
14.0	78.3	56.0	47 200
15.0	77.2	55.7	40 400
16.0	76.1	55.5	34 600
18.0	74.0	54.9	25 500
20.0	71.8	54.3	18 600
22.0	69.5	53.5	13 200
24.0	67.3	52.7	8 800
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	66 200
13.0	79.9	59.3	55 700
14.0	78.9	59.1	47 500
15.0	77.9	58.9	40 600
16.0	76.9	58.6	34 800
18.0	74.8	58.1	25 700
20.0	72.8	57.5	18 800
22.0	70.7	56.8	13 300
24.0	68.5	56.0	8 900