

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

**Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating**

**Meets
ANSI B30.5
Requirements**

LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

200 Ft. 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 5,000 Lbs. 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 30 Ft. 9 in. crawlers, 48 in. treads, 28 Ft. retractable gantry, 12 part boom hoist reeving, four 1-1/2 in. boom pendants or boom support straps, 10 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendants and backstays, 207,000 Lb. crane counterweight and two 30,000 Lb. carbody counterweights.

Luffing Jib Position During Operation	
Luffing Jib Length - Feet	Boom To Luffing Jib Angle
70	145 Degrees
80 - 90	150 Degrees
100 - 110	160 Degrees
120 - 200	168 Degrees

Deduct From Boom Capacities When Fixed Jib Is Attached To Luffing Jib	
Fixed Jib Length	Fixed Jib No. 140
40 Ft.	20,000 Lbs.
60 Ft.	23,000 Lbs.
80 Ft.	26,000 Lbs.
100 Ft.	31,000 Lbs.
120 Ft.	36,000 Lbs.
3,000 Lbs. Suspended Beneath Fixed Jib Point Included In Deducts.	

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



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70 Ft. Luffing Jib, Attached at 145 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	473,900 *
21	81.7	86.7	470,300 *
22	80.9	86.5	466,900 *
23	80.2	86.3	463,700 *
24	79.5	86.1	452,600 *
25	78.7	85.9	434,200 *
26	78.0	85.6	417,200 *
27	77.3	85.4	401,300 *
28	76.5	85.1	386,400 *
29	75.8	84.8	372,500 *
30	75.0	84.5	358,700
32	73.5	83.9	319,600
34	72.0	83.2	287,400
36	70.5	82.4	260,400
38	68.9	81.6	237,500
40	67.3	80.7	217,800
42	65.8	79.8	200,600
44	64.2	78.7	185,600
46	62.5	77.6	172,200
48	60.9	76.5	160,400
50	59.2	75.2	149,700
90 Ft. BOOM			
21	82.6	96.9	452,600 *
22	81.9	96.7	449,100 *
23	81.3	96.5	445,600 *
24	80.6	96.3	442,400 *
25	80.0	96.1	434,300 *
26	79.3	95.9	417,200 *
27	78.7	95.7	401,300 *
28	78.0	95.4	386,500 *
29	77.4	95.2	372,600 *
30	76.7	94.9	359,600 *
32	75.4	94.4	320,800
34	74.1	93.7	288,500
36	72.7	93.1	261,500
38	71.4	92.4	238,500
40	70.0	91.6	218,700
42	68.6	90.8	201,500
44	67.2	89.9	186,500
46	65.8	88.9	173,100
48	64.4	87.9	161,200
50	63.0	86.8	150,600
55	59.3	83.9	128,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
22	82.8	106.8	430,200 *
23	82.2	106.7	426,800 *
24	81.6	106.5	423,500 *
25	81.0	106.3	419,000 *
26	80.4	106.1	414,100 *
27	79.8	105.9	401,000 *
28	79.3	105.7	386,200 *
29	78.7	105.5	372,300 *
30	78.1	105.2	359,300 *
32	76.9	104.7	321,600
34	75.7	104.2	289,200
36	74.5	103.6	262,100
38	73.3	103.0	239,100
40	72.1	102.3	219,300
42	70.9	101.5	202,100
44	69.7	100.8	187,000
46	68.4	99.9	173,600
48	67.2	99.0	161,700
50	65.9	98.1	151,000
55	62.7	95.5	128,600
60	59.3	92.5	110,800
65	55.9	89.2	96,300
110 Ft. BOOM			
23	82.9	116.8	336,000 *
24	82.4	116.6	333,400 *
25	81.8	116.5	330,900 *
26	81.3	116.3	328,500 *
27	80.8	116.1	326,200 *
28	80.3	115.9	323,900 *
29	79.7	115.7	321,700 *
30	79.2	115.5	319,600 *
32	78.1	115.0	315,600 *
34	77.0	114.6	289,800
36	76.0	114.0	262,700
38	74.9	113.4	239,600
40	73.8	112.8	219,800
42	72.7	112.2	202,500
44	71.6	111.5	187,400
46	70.5	110.7	174,000
48	69.4	109.9	162,100
50	68.2	109.1	151,400
55	65.4	106.8	128,900
60	62.4	104.2	111,100
65	59.4	101.2	96,600
70	56.3	97.9	84,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	314,400 *
25	82.5	126.6	312,200 *
26	82.0	126.4	310,100 *
27	81.6	126.3	308,100 *
28	81.1	126.1	306,200 *
29	80.6	125.9	304,300 *
30	80.1	125.7	302,500 *
32	79.1	125.3	299,000 *
34	78.1	124.8	290,200
36	77.2	124.4	263,000
38	76.2	123.8	239,900
40	75.2	123.3	220,000
42	74.2	122.7	202,800
44	73.2	122.0	187,600
46	72.2	121.4	174,200
48	71.2	120.6	162,200
50	70.1	119.9	151,500
55	67.6	117.8	129,000
60	64.9	115.5	111,100
65	62.2	112.8	96,600
70	59.5	109.9	84,500
75	56.6	106.6	74,300
130 Ft. BOOM			
26	82.7	136.6	311,800 *
27	82.2	136.4	309,900 *
28	81.8	136.2	308,000 *
29	81.3	136.1	306,200 *
30	80.9	135.9	304,400 *
32	80.0	135.5	301,000 *
34	79.1	135.1	290,700
36	78.2	134.6	263,500
38	77.3	134.2	240,400
40	76.4	133.6	220,500
42	75.4	133.1	203,300
44	74.5	132.5	188,100
46	73.6	131.9	174,700
48	72.7	131.2	162,700
50	71.7	130.5	152,000
55	69.4	128.7	129,500
60	67.0	126.5	111,600
65	64.5	124.1	97,100
70	62.1	121.5	85,000
75	59.5	118.5	74,800
80	56.9	115.3	66,100

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207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

70 Ft. Luffing Jib, Attached at 145 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
27	82.8	146.5	302,400 *
28	82.4	146.4	300,700 *
29	81.9	146.2	299,000 *
30	81.5	146.0	297,400 *
32	80.7	145.7	294,300 *
34	79.9	145.3	286,300 *
36	79.0	144.9	263,800
38	78.2	144.4	240,600
40	77.4	144.0	220,700
42	76.5	143.5	203,400
44	75.7	142.9	188,100
46	74.8	142.3	174,700
48	74.0	141.7	162,700
50	73.1	141.1	152,000
55	70.9	139.4	129,400
60	68.7	137.4	111,500
65	66.5	135.2	96,900
70	64.2	132.8	84,800
75	61.9	130.1	74,600
80	59.5	127.2	65,900
85	57.1	124.0	58,400
150 Ft. BOOM			
28	82.9	156.5	261,700 *
29	82.5	156.3	260,000 *
30	82.1	156.2	258,300 *
32	81.3	155.8	255,000 *
34	80.6	155.5	250,200 *
36	79.8	155.1	243,000 *
38	79.0	154.7	236,100 *
40	78.2	154.2	220,700
42	77.4	153.8	203,400
44	76.6	153.3	188,100
46	75.8	152.7	174,700
48	75.1	152.2	162,700
50	74.3	151.6	151,900
55	72.3	150.0	129,300
60	70.2	148.2	111,400
65	68.2	146.2	96,800
70	66.1	143.9	84,700
75	63.9	141.5	74,500
80	61.8	138.8	65,800
85	59.6	135.9	58,200
90	57.3	132.6	51,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	252,600 *
30	82.6	166.3	251,200 *
32	81.9	166.0	246,400 *
34	81.1	165.7	238,900 *
36	80.4	165.3	231,800 *
38	79.7	164.9	225,000 *
40	79.0	164.5	218,500 *
42	78.2	164.0	203,300
44	77.5	163.6	188,100
46	76.8	163.1	174,600
48	76.0	162.6	162,600
50	75.3	162.0	151,800
55	73.4	160.5	129,200
60	71.5	158.8	111,200
65	69.6	157.0	96,600
70	67.7	154.9	84,400
75	65.7	152.6	74,200
80	63.7	150.2	65,400
85	61.7	147.5	57,900
90	59.6	144.5	51,300
95	57.5	141.3	45,500
170 Ft. BOOM			
30	83.0	176.4	243,400 *
32	82.4	176.1	235,800 *
34	81.7	175.8	228,500 *
36	81.0	175.5	221,500 *
38	80.3	175.1	214,900 *
40	79.6	174.7	208,500 *
42	78.9	174.3	202,400 *
44	78.2	173.8	188,100
46	77.5	173.4	174,600
48	76.9	172.9	162,600
50	76.2	172.4	151,800
55	74.4	171.0	129,200
60	72.6	169.4	111,200
65	70.9	167.6	96,600
70	69.1	165.7	84,500
75	67.2	163.6	74,200
80	65.4	161.3	65,500
85	63.5	158.8	57,900
90	61.6	156.1	51,300
95	59.6	153.2	45,500
100	57.6	150.0	40,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	223,500 *
34	82.1	185.9	216,500 *
36	81.5	185.6	209,800 *
38	80.9	185.3	203,400 *
40	80.2	184.9	197,200 *
42	79.6	184.5	191,300 *
44	78.9	184.1	185,700 *
46	78.3	183.6	174,500
48	77.6	183.2	162,400
50	76.9	182.7	151,600
55	75.3	181.4	129,000
60	73.6	179.9	111,000
65	72.0	178.3	96,300
70	70.3	176.5	84,100
75	68.6	174.5	73,900
80	66.8	172.3	65,100
85	65.1	170.0	57,600
90	63.3	167.5	50,900
95	61.5	164.8	45,100
100	59.6	161.8	40,000
105	57.8	158.7	35,300
190 Ft. BOOM			
34	82.6	196.0	192,800 *
36	81.9	195.7	188,200 *
38	81.3	195.4	183,700 *
40	80.7	195.1	179,400 *
42	80.1	194.7	175,000 *
44	79.5	194.3	170,600 *
46	78.9	193.9	166,200 *
48	78.3	193.4	161,800 *
50	77.6	193.0	151,400
55	76.1	191.7	128,700
60	74.5	190.3	110,700
65	72.9	188.8	96,000
70	71.4	187.1	83,800
75	69.7	185.3	73,500
80	68.1	183.2	64,800
85	66.5	181.1	57,200
90	64.8	178.7	50,600
95	63.1	176.2	44,700
100	61.4	173.4	39,600
105	59.7	170.5	34,900
110	57.9	167.4	30,800
115	56.1	164.0	27,000



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207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

70 Ft. Luffing Jib, Attached at 145 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	176,900 *
38	81.8	205.5	172,600 *
40	81.2	205.2	168,400 *
42	80.6	204.8	164,200 *
44	80.0	204.5	160,100 *
46	79.4	204.1	155,900 *
48	78.9	203.7	151,800 *
50	78.3	203.2	147,700 *
55	76.8	202.1	128,400
60	75.3	200.7	110,300
65	73.8	199.3	95,600
70	72.3	197.7	83,400
75	70.8	195.9	73,100
80	69.3	194.0	64,400
85	67.7	192.0	56,800
90	66.2	189.8	50,100
95	64.6	187.4	44,300
100	63.0	184.8	39,100
105	61.3	182.1	34,500
110	59.7	179.2	30,300
115	58.0	176.0	26,500
120	56.3	172.7	23,100

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80 Ft. Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	472,900 *
21	81.7	86.7	469,200 *
22	80.9	86.5	465,700 *
23	80.2	86.3	462,200 *
24	79.5	86.1	450,500 *
25	78.7	85.9	432,100 *
26	78.0	85.6	415,000 *
27	77.3	85.4	399,000 *
28	76.5	85.1	384,200 *
29	75.8	84.8	370,300 *
30	75.0	84.5	355,500
32	73.5	83.9	316,500
34	72.0	83.2	284,300
36	70.5	82.4	257,300
38	68.9	81.6	234,400
40	67.3	80.7	214,700
42	65.8	79.8	197,600
44	64.2	78.7	182,500
46	62.5	77.6	169,200
48	60.9	76.5	157,400
50	59.2	75.2	146,800
55	54.8	71.7	124,500
90 Ft. BOOM			
21	82.6	96.9	451,900 *
22	81.9	96.7	448,300 *
23	81.3	96.5	444,700 *
24	80.6	96.3	441,300 *
25	80.0	96.1	432,200 *
26	79.3	95.9	415,100 *
27	78.7	95.7	399,200 *
28	78.0	95.4	384,400 *
29	77.4	95.2	370,500 *
30	76.7	94.9	356,900
32	75.4	94.4	317,800
34	74.1	93.7	285,600
36	72.7	93.1	258,600
38	71.4	92.4	235,600
40	70.0	91.6	215,900
42	68.6	90.8	198,700
44	67.2	89.9	183,700
46	65.8	88.9	170,300
48	64.4	87.9	158,500
50	63.0	86.8	147,800
55	59.3	83.9	125,500
60	55.4	80.4	107,700
65	51.3	76.5	93,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
22	82.8	106.8	429,800 *
23	82.2	106.7	426,300 *
24	81.6	106.5	422,900 *
25	81.0	106.3	419,600 *
26	80.4	106.1	414,900 *
27	79.8	105.9	399,000 *
28	79.3	105.7	384,200 *
29	78.7	105.5	370,300 *
30	78.1	105.2	357,300 *
32	76.9	104.7	318,800
34	75.7	104.2	286,500
36	74.5	103.6	259,400
38	73.3	103.0	236,400
40	72.1	102.3	216,600
42	70.9	101.5	199,400
44	69.7	100.8	184,300
46	68.4	99.9	171,000
48	67.2	99.0	159,100
50	65.9	98.1	148,400
55	62.7	95.5	126,000
60	59.3	92.5	108,200
65	55.9	89.2	93,700
70	52.3	85.3	81,700
110 Ft. BOOM			
23	82.9	116.8	335,000 *
24	82.4	116.6	332,400 *
25	81.8	116.5	329,800 *
26	81.3	116.3	327,400 *
27	80.8	116.1	325,000 *
28	80.3	115.9	322,700 *
29	79.7	115.7	320,400 *
30	79.2	115.5	318,300 *
32	78.1	115.0	314,100 *
34	77.0	114.6	287,200
36	76.0	114.0	260,100
38	74.9	113.4	237,100
40	73.8	112.8	217,300
42	72.7	112.2	200,000
44	71.6	111.5	184,900
46	70.5	110.7	171,500
48	69.4	109.9	159,600
50	68.2	109.1	148,900
55	65.4	106.8	126,500
60	62.4	104.2	108,700
65	59.4	101.2	94,200
70	56.3	97.9	82,100
75	53.0	94.1	72,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	313,500 *
25	82.5	126.6	311,300 *
26	82.0	126.4	309,200 *
27	81.6	126.3	307,100 *
28	81.1	126.1	305,100 *
29	80.6	125.9	303,200 *
30	80.1	125.7	301,300 *
32	79.1	125.3	297,700 *
34	78.1	124.8	287,700
36	77.2	124.4	260,600
38	76.2	123.8	237,500
40	75.2	123.3	217,600
42	74.2	122.7	200,400
44	73.2	122.0	185,200
46	72.2	121.4	171,800
48	71.2	120.6	159,900
50	70.1	119.9	149,200
55	67.6	117.8	126,700
60	64.9	115.5	108,800
65	62.2	112.8	94,300
70	59.5	109.9	82,200
75	56.6	106.6	72,100
80	53.6	102.9	63,400
130 Ft. BOOM			
26	82.7	136.6	310,900 *
27	82.2	136.4	308,900 *
28	81.8	136.2	307,000 *
29	81.3	136.1	305,100 *
30	80.9	135.9	303,300 *
32	80.0	135.5	299,800 *
34	79.1	135.1	288,300
36	78.2	134.6	261,200
38	77.3	134.2	238,100
40	76.4	133.6	218,200
42	75.4	133.1	201,000
44	74.5	132.5	185,800
46	73.6	131.9	172,400
48	72.7	131.2	160,500
50	71.7	130.5	149,700
55	69.4	128.7	127,300
60	67.0	126.5	109,400
65	64.5	124.1	94,900
70	62.1	121.5	82,800
75	59.5	118.5	72,600
80	56.9	115.3	64,000
85	54.2	111.7	56,400
90	51.3	107.7	49,900



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

**Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating**

**Meets
ANSI B30.5
Requirements**

80 Ft. Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
27	82.8	146.5	301,600 *
28	82.4	146.4	299,800 *
29	81.9	146.2	298,100 *
30	81.5	146.0	296,400 *
32	80.7	145.7	293,300 *
34	79.9	145.3	285,100 *
36	79.0	144.9	261,500
38	78.2	144.4	238,300
40	77.4	144.0	218,400
42	76.5	143.5	201,100
44	75.7	142.9	185,900
46	74.8	142.3	172,500
48	74.0	141.7	160,500
50	73.1	141.1	149,800
55	70.9	139.4	127,300
60	68.7	137.4	109,400
65	66.5	135.2	94,800
70	64.2	132.8	82,700
75	61.9	130.1	72,500
80	59.5	127.2	63,800
85	57.1	124.0	56,300
90	54.6	120.4	49,700
95	52.0	116.5	43,900
150 Ft. BOOM			
28	82.9	156.5	261,300 *
29	82.5	156.3	259,500 *
30	82.1	156.2	257,800 *
32	81.3	155.8	254,300 *
34	80.6	155.5	249,100 *
36	79.8	155.1	241,800 *
38	79.0	154.7	234,900 *
40	78.2	154.2	218,500
42	77.4	153.8	201,200
44	76.6	153.3	186,000
46	75.8	152.7	172,600
48	75.1	152.2	160,600
50	74.3	151.6	149,800
55	72.3	150.0	127,300
60	70.2	148.2	109,300
65	68.2	146.2	94,800
70	66.1	143.9	82,700
75	63.9	141.5	72,500
80	61.8	138.8	63,700
85	59.6	135.9	56,200
90	57.3	132.6	49,600
95	55.0	129.1	43,800
100	52.6	125.3	38,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	252,200 *
30	82.6	166.3	250,700 *
32	81.9	166.0	245,700 *
34	81.1	165.7	238,100 *
36	80.4	165.3	230,800 *
38	79.7	164.9	223,900 *
40	79.0	164.5	217,300 *
42	78.2	164.0	201,200
44	77.5	163.6	186,000
46	76.8	163.1	172,500
48	76.0	162.6	160,500
50	75.3	162.0	149,700
55	73.4	160.5	127,100
60	71.5	158.8	109,200
65	69.6	157.0	94,600
70	67.7	154.9	82,500
75	65.7	152.6	72,200
80	63.7	150.2	63,500
85	61.7	147.5	55,900
90	59.6	144.5	49,300
95	57.5	141.3	43,500
100	55.3	137.9	38,400
105	53.1	134.1	33,800
170 Ft. BOOM			
30	83.0	176.4	243,000 *
32	82.4	176.1	235,200 *
34	81.7	175.8	227,800 *
36	81.0	175.5	220,800 *
38	80.3	175.1	214,000 *
40	79.6	174.7	207,600 *
42	78.9	174.3	201,300
44	78.2	173.8	186,100
46	77.5	173.4	172,600
48	76.9	172.9	160,600
50	76.2	172.4	149,800
55	74.4	171.0	127,200
60	72.6	169.4	109,300
65	70.9	167.6	94,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
70	69.1	165.7	82,500
75	67.2	163.6	72,300
80	65.4	161.3	63,600
85	63.5	158.8	56,000
90	61.6	156.1	49,400
95	59.6	153.2	43,600
100	57.6	150.0	38,500
105	55.6	146.6	33,900
110	53.5	142.9	29,700
115	51.3	138.9	26,000
180 Ft. BOOM			
32	82.8	186.2	223,200 *
34	82.1	185.9	216,100 *
36	81.5	185.6	209,300 *
38	80.9	185.3	202,700 *
40	80.2	184.9	196,500 *
42	79.6	184.5	190,500 *
44	78.9	184.1	184,800 *
46	78.3	183.6	172,500
48	77.6	183.2	160,500
50	76.9	182.7	149,700
55	75.3	181.4	127,100
60	73.6	179.9	109,100
65	72.0	178.3	94,400
70	70.3	176.5	82,300
75	68.6	174.5	72,000
80	66.8	172.3	63,300
85	65.1	170.0	55,700
90	63.3	167.5	49,100
95	61.5	164.8	43,300
100	59.6	161.8	38,100
105	57.8	158.7	33,500
110	55.8	155.3	29,400
115	53.9	151.7	25,600
120	51.8	147.7	22,200

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets ANSI B30.5 Requirements

80 Ft. Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	192,300 *
36	81.9	195.7	187,700 *
38	81.3	195.4	183,100 *
40	80.7	195.1	178,700 *
42	80.1	194.7	174,200 *
44	79.5	194.3	169,800 *
46	78.9	193.9	165,300 *
48	78.3	193.4	160,300
50	77.6	193.0	149,500
55	76.1	191.7	126,800
60	74.5	190.3	108,800
65	72.9	188.8	94,100
70	71.4	187.1	82,000
75	69.7	185.3	71,700
80	68.1	183.2	63,000
85	66.5	181.1	55,400
90	64.8	178.7	48,800
95	63.1	176.2	43,000
100	61.4	173.4	37,800
105	59.7	170.5	33,200
110	57.9	167.4	29,000
115	56.1	164.0	25,300
120	54.2	160.4	21,900
125	52.3	156.6	18,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	176,600 *
38	81.8	205.5	172,200 *
40	81.2	205.2	167,900 *
42	80.6	204.8	163,700 *
44	80.0	204.5	159,400 *
46	79.4	204.1	155,200 *
48	78.9	203.7	151,100 *
50	78.3	203.2	146,900 *
55	76.8	202.1	126,600
60	75.3	200.7	108,500
65	73.8	199.3	93,800
70	72.3	197.7	81,600
75	70.8	195.9	71,400
80	69.3	194.0	62,600
85	67.7	192.0	55,000
90	66.2	189.8	48,400
95	64.6	187.4	42,500
100	63.0	184.8	37,400
105	61.3	182.1	32,700
110	59.7	179.2	28,600
115	58.0	176.0	24,800
120	56.3	172.7	21,400
125	54.5	169.1	18,300
130	52.7	165.3	15,400
135	50.9	161.3	12,800



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

**Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating**

**Meets
ANSI B30.5
Requirements**

90 Ft. Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	464,200 *
21	81.7	86.7	460,500 *
22	80.9	86.5	456,900 *
23	80.2	86.3	453,400 *
24	79.5	86.1	446,400 *
25	78.7	85.9	428,100 *
26	78.0	85.6	411,100 *
27	77.3	85.4	395,200 *
28	76.5	85.1	380,400 *
29	75.8	84.8	366,600 *
30	75.0	84.5	349,800
32	73.5	83.9	311,100
34	72.0	83.2	279,200
36	70.5	82.4	252,500
38	68.9	81.6	229,800
40	67.3	80.7	210,300
42	65.8	79.8	193,300
44	64.2	78.7	178,400
46	62.5	77.6	165,300
48	60.9	76.5	153,500
50	59.2	75.2	143,000
55	54.8	71.7	120,900
90 Ft. BOOM			
21	82.6	96.9	443,900 *
22	81.9	96.7	440,200 *
23	81.3	96.5	436,600 *
24	80.6	96.3	433,200 *
25	80.0	96.1	428,300 *
26	79.3	95.9	411,300 *
27	78.7	95.7	395,500 *
28	78.0	95.4	380,700 *
29	77.4	95.2	366,900 *
30	76.7	94.9	351,300
32	75.4	94.4	312,500
34	74.1	93.7	280,600
36	72.7	93.1	253,900
38	71.4	92.4	231,100
40	70.0	91.6	211,600
42	68.6	90.8	194,600
44	67.2	89.9	179,700
46	65.8	88.9	166,500
48	64.4	87.9	154,700
50	63.0	86.8	144,200
55	59.3	83.9	122,100
60	55.4	80.4	104,500
65	51.3	76.5	90,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
22	82.8	106.8	422,300 *
23	82.2	106.7	418,800 *
24	81.6	106.5	415,300 *
25	81.0	106.3	412,000 *
26	80.4	106.1	408,800 *
27	79.8	105.9	395,300 *
28	79.3	105.7	380,600 *
29	78.7	105.5	366,700 *
30	78.1	105.2	352,500
32	76.9	104.7	313,700
34	75.7	104.2	281,700
36	74.5	103.6	254,800
38	73.3	103.0	232,100
40	72.1	102.3	212,400
42	70.9	101.5	195,400
44	69.7	100.8	180,400
46	68.4	99.9	167,200
48	67.2	99.0	155,400
50	65.9	98.1	144,900
55	62.7	95.5	122,700
60	59.3	92.5	105,100
65	55.9	89.2	90,700
70	52.3	85.3	78,800
110 Ft. BOOM			
23	82.9	116.8	330,400 *
24	82.4	116.6	327,700 *
25	81.8	116.5	325,200 *
26	81.3	116.3	322,700 *
27	80.8	116.1	320,300 *
28	80.3	115.9	318,000 *
29	79.7	115.7	315,800 *
30	79.2	115.5	313,600 *
32	78.1	115.0	309,500 *
34	77.0	114.6	282,500
36	76.0	114.0	255,600
38	74.9	113.4	232,800
40	73.8	112.8	213,200
42	72.7	112.2	196,100
44	71.6	111.5	181,100
46	70.5	110.7	167,900
48	69.4	109.9	156,100
50	68.2	109.1	145,500
55	65.4	106.8	123,300
60	62.4	104.2	105,600
65	59.4	101.2	91,300
70	56.3	97.9	79,400
75	53.0	94.1	69,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	309,200 *
25	82.5	126.6	307,000 *
26	82.0	126.4	304,800 *
27	81.6	126.3	302,800 *
28	81.1	126.1	300,800 *
29	80.6	125.9	298,800 *
30	80.1	125.7	297,000 *
32	79.1	125.3	293,400 *
34	78.1	124.8	283,100
36	77.2	124.4	256,200
38	76.2	123.8	233,300
40	75.2	123.3	213,600
42	74.2	122.7	196,500
44	73.2	122.0	181,500
46	72.2	121.4	168,200
48	71.2	120.6	156,400
50	70.1	119.9	145,800
55	67.6	117.8	123,500
60	64.9	115.5	105,800
65	62.2	112.8	91,400
70	59.5	109.9	79,500
75	56.6	106.6	69,400
80	53.6	102.9	60,800
130 Ft. BOOM			
26	82.7	136.6	306,600 *
27	82.2	136.4	304,600 *
28	81.8	136.2	302,700 *
29	81.3	136.1	300,800 *
30	80.9	135.9	299,000 *
32	80.0	135.5	295,500 *
34	79.1	135.1	283,800
36	78.2	134.6	256,900
38	77.3	134.2	234,000
40	76.4	133.6	214,300
42	75.4	133.1	197,200
44	74.5	132.5	182,200
46	73.6	131.9	168,900
48	72.7	131.2	157,000
50	71.7	130.5	146,400
55	69.4	128.7	124,200
60	67.0	126.5	106,500
65	64.5	124.1	92,100
70	62.1	121.5	80,100
75	59.5	118.5	70,100
80	56.9	115.3	61,500
85	54.2	111.7	54,000
90	51.3	107.7	47,600

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

**Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating**

**Meets
ANSI B30.5
Requirements**

90 Ft. Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
27	82.8	146.5	297,300 *
28	82.4	146.4	295,600 *
29	81.9	146.2	293,900 *
30	81.5	146.0	292,200 *
32	80.7	145.7	289,100 *
34	79.9	145.3	280,000 *
36	79.0	144.9	257,200
38	78.2	144.4	234,300
40	77.4	144.0	214,600
42	76.5	143.5	197,400
44	75.7	142.9	182,400
46	74.8	142.3	169,100
48	74.0	141.7	157,200
50	73.1	141.1	146,600
55	70.9	139.4	124,200
60	68.7	137.4	106,500
65	66.5	135.2	92,100
70	64.2	132.8	80,100
75	61.9	130.1	70,000
80	59.5	127.2	61,400
85	57.1	124.0	53,900
90	54.6	120.4	47,400
95	52.0	116.5	41,700
150 Ft. BOOM			
28	82.9	156.5	257,100 *
29	82.5	156.3	255,300 *
30	82.1	156.2	253,500 *
32	81.3	155.8	250,200 *
34	80.6	155.5	244,800 *
36	79.8	155.1	237,500 *
38	79.0	154.7	230,600 *
40	78.2	154.2	214,700
42	77.4	153.8	197,600
44	76.6	153.3	182,500
46	75.8	152.7	169,200
48	75.1	152.2	157,300
50	74.3	151.6	146,600
55	72.3	150.0	124,300
60	70.2	148.2	106,500
65	68.2	146.2	92,100
70	66.1	143.9	80,100
75	63.9	141.5	70,000
80	61.8	138.8	61,300
85	59.6	135.9	53,900
90	57.3	132.6	47,400
95	55.0	129.1	41,600
100	52.6	125.3	36,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	248,100 *
30	82.6	166.3	246,600 *
32	81.9	166.0	241,100 *
34	81.1	165.7	233,600 *
36	80.4	165.3	226,400 *
38	79.7	164.9	219,600 *
40	79.0	164.5	213,100 *
42	78.2	164.0	197,600
44	77.5	163.6	182,500
46	76.8	163.1	169,200
48	76.0	162.6	157,300
50	75.3	162.0	146,600
55	73.4	160.5	124,200
60	71.5	158.8	106,400
65	69.6	157.0	91,900
70	67.7	154.9	79,900
75	65.7	152.6	69,800
80	63.7	150.2	61,100
85	61.7	147.5	53,700
90	59.6	144.5	47,100
95	57.5	141.3	41,400
100	55.3	137.9	36,300
105	53.1	134.1	31,700
170 Ft. BOOM			
30	83.0	176.4	238,100 *
32	82.4	176.1	230,500 *
34	81.7	175.8	223,200 *
36	81.0	175.5	216,200 *
38	80.3	175.1	209,600 *
40	79.6	174.7	203,200 *
42	78.9	174.3	197,100 *
44	78.2	173.8	182,600
46	77.5	173.4	169,300
48	76.9	172.9	157,400
50	76.2	172.4	146,700
55	74.4	171.0	124,300
60	72.6	169.4	106,500
65	70.9	167.6	92,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
70	69.1	165.7	80,000
75	67.2	163.6	69,900
80	65.4	161.3	61,300
85	63.5	158.8	53,800
90	61.6	156.1	47,300
95	59.6	153.2	41,500
100	57.6	150.0	36,400
105	55.6	146.6	31,900
110	53.5	142.9	27,800
115	51.3	138.9	24,100
180 Ft. BOOM			
32	82.8	186.2	218,400 *
34	82.1	185.9	211,400 *
36	81.5	185.6	204,700 *
38	80.9	185.3	198,200 *
40	80.2	184.9	192,000 *
42	79.6	184.5	186,100 *
44	78.9	184.1	180,500 *
46	78.3	183.6	169,200
48	77.6	183.2	157,300
50	76.9	182.7	146,600
55	75.3	181.4	124,200
60	73.6	179.9	106,300
65	72.0	178.3	91,800
70	70.3	176.5	79,800
75	68.6	174.5	69,600
80	66.8	172.3	61,000
85	65.1	170.0	53,500
90	63.3	167.5	46,900
95	61.5	164.8	41,200
100	59.6	161.8	36,100
105	57.8	158.7	31,500
110	55.8	155.3	27,400
115	53.9	151.7	23,700
120	51.8	147.7	20,300



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

**Meets
ANSI B30.5
Requirements**

90 Ft. Luffing Jib, Attached at 150 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	188,100 *
36	81.9	195.7	183,500 *
38	81.3	195.4	179,100 *
40	80.7	195.1	174,600 *
42	80.1	194.7	170,200 *
44	79.5	194.3	165,700 *
46	78.9	193.9	161,300 *
48	78.3	193.4	156,900 *
50	77.6	193.0	146,400
55	76.1	191.7	124,000
60	74.5	190.3	106,100
65	72.9	188.8	91,600
70	71.4	187.1	79,500
75	69.7	185.3	69,400
80	68.1	183.2	60,700
85	66.5	181.1	53,200
90	64.8	178.7	46,600
95	63.1	176.2	40,900
100	61.4	173.4	35,700
105	59.7	170.5	31,200
110	57.9	167.4	27,100
115	56.1	164.0	23,400
120	54.2	160.4	20,000
125	52.3	156.6	16,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	176,800 *
36	82.4	205.8	172,400 *
38	81.8	205.5	168,000 *
40	81.2	205.2	163,800 *
42	80.6	204.8	159,600 *
44	80.0	204.5	155,400 *
46	79.4	204.1	151,200 *
48	78.9	203.7	147,000 *
50	78.3	203.2	142,900 *
55	76.8	202.1	123,700
60	75.3	200.7	105,900
65	73.8	199.3	91,300
70	72.3	197.7	79,200
75	70.8	195.9	69,000
80	69.3	194.0	60,300
85	67.7	192.0	52,800
90	66.2	189.8	46,300
95	64.6	187.4	40,500
100	63.0	184.8	35,300
105	61.3	182.1	30,800
110	59.7	179.2	26,600
115	58.0	176.0	22,900
120	56.3	172.7	19,500
125	54.5	169.1	16,500
130	52.7	165.3	13,600
135	50.9	161.3	11,000

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

100 Ft. Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	477,100 *
21	81.7	86.7	473,100 *
22	80.9	86.5	469,100 *
23	80.2	86.3	465,400 *
24	79.5	86.1	448,300 *
25	78.7	85.9	429,700 *
26	78.0	85.6	412,500 *
27	77.3	85.4	396,500 *
28	76.5	85.1	381,500 *
29	75.8	84.8	367,500 *
30	75.0	84.5	351,800
32	73.5	83.9	312,500
34	72.0	83.2	280,200
36	70.5	82.4	253,100
38	68.9	81.6	230,100
40	67.3	80.7	210,300
42	65.8	79.8	193,000
44	64.2	78.7	177,900
46	62.5	77.6	164,500
48	60.9	76.5	152,600
50	59.2	75.2	141,900
55	54.8	71.7	119,500
60	50.2	67.6	101,600
65	45.1	62.7	87,100
90 Ft. BOOM			
21	82.6	96.9	456,500 *
22	81.9	96.7	452,400 *
23	81.3	96.5	448,600 *
24	80.6	96.3	444,900 *
25	80.0	96.1	430,100 *
26	79.3	95.9	412,900 *
27	78.7	95.7	396,900 *
28	78.0	95.4	382,000 *
29	77.4	95.2	368,000 *
30	76.7	94.9	353,700
32	75.4	94.4	314,400
34	74.1	93.7	282,000
36	72.7	93.1	254,800
38	71.4	92.4	231,800
40	70.0	91.6	211,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	194,700
44	67.2	89.9	179,500
46	65.8	88.9	166,100
48	64.4	87.9	154,200
50	63.0	86.8	143,500
55	59.3	83.9	121,000
60	55.4	80.4	103,100
65	51.3	76.5	88,600
70	47.0	71.8	76,500
75	42.3	66.5	66,400
100 Ft. BOOM			
22	82.8	106.8	434,600 *
23	82.2	106.7	430,700 *
24	81.6	106.5	427,100 *
25	81.0	106.3	423,500 *
26	80.4	106.1	412,900 *
27	79.8	105.9	396,900 *
28	79.3	105.7	382,000 *
29	78.7	105.5	368,000 *
30	78.1	105.2	354,900 *
32	76.9	104.7	315,800
34	75.7	104.2	283,300
36	74.5	103.6	256,100
38	73.3	103.0	233,000
40	72.1	102.3	213,100
42	70.9	101.5	195,800
44	69.7	100.8	180,600
46	68.4	99.9	167,100
48	67.2	99.0	155,200
50	65.9	98.1	144,400
55	62.7	95.5	121,900
60	59.3	92.5	104,000
65	55.9	89.2	89,400
70	52.3	85.3	77,300
75	48.5	80.9	67,100
80	44.4	75.9	58,400
110 Ft. BOOM			
23	82.9	116.8	336,800 *
24	82.4	116.6	334,000 *
25	81.8	116.5	331,200 *
26	81.3	116.3	328,600 *
27	80.8	116.1	326,000 *
28	80.3	115.9	323,500 *
29	79.7	115.7	321,100 *
30	79.2	115.5	318,800 *
32	78.1	115.0	314,400 *
34	77.0	114.6	284,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	257,100
38	74.9	113.4	233,900
40	73.8	112.8	214,000
42	72.7	112.2	196,700
44	71.6	111.5	181,500
46	70.5	110.7	168,000
48	69.4	109.9	156,100
50	68.2	109.1	145,300
55	65.4	106.8	122,700
60	62.4	104.2	104,800
65	59.4	101.2	90,200
70	56.3	97.9	78,100
75	53.0	94.1	67,900
80	49.6	89.9	59,200
85	46.0	85.1	51,600
90	42.2	79.7	45,000
120 Ft. BOOM			
24	83.0	126.8	315,300 *
25	82.5	126.6	312,900 *
26	82.0	126.4	310,600 *
27	81.6	126.3	308,400 *
28	81.1	126.1	306,200 *
29	80.6	125.9	304,200 *
30	80.1	125.7	302,100 *
32	79.1	125.3	298,300 *
34	78.1	124.8	285,100
36	77.2	124.4	257,800
38	76.2	123.8	234,600
40	75.2	123.3	214,700
42	74.2	122.7	197,300
44	73.2	122.0	182,100
46	72.2	121.4	168,600
48	71.2	120.6	156,600
50	70.1	119.9	145,800
55	67.6	117.8	123,200
60	64.9	115.5	105,200
65	62.2	112.8	90,600
70	59.5	109.9	78,500
75	56.6	106.6	68,200
80	53.6	102.9	59,500
85	50.6	98.8	51,900
90	47.3	94.2	45,300
95	43.9	89.1	39,500



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

**Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating**

**Meets
ANSI B30.5
Requirements**

100 Ft. Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
26	82.7	136.6	312,600 *
27	82.2	136.4	310,500 *
28	81.8	136.2	308,400 *
29	81.3	136.1	306,400 *
30	80.9	135.9	304,400 *
32	80.0	135.5	300,700 *
34	79.1	135.1	286,000
36	78.2	134.6	258,700
38	77.3	134.2	235,400
40	76.4	133.6	215,500
42	75.4	133.1	198,100
44	74.5	132.5	182,900
46	73.6	131.9	169,400
48	72.7	131.2	157,400
50	71.7	130.5	146,600
55	69.4	128.7	124,000
60	67.0	126.5	106,000
65	64.5	124.1	91,400
70	62.1	121.5	79,300
75	59.5	118.5	69,100
80	56.9	115.3	60,300
85	54.2	111.7	52,700
90	51.3	107.7	46,100
95	48.4	103.3	40,300
100	45.3	98.4	35,200
105	42.0	92.9	30,600
140 Ft. BOOM			
27	82.8	146.5	303,300 *
28	82.4	146.4	301,400 *
29	81.9	146.2	299,500 *
30	81.5	146.0	297,700 *
32	80.7	145.7	294,300 *
34	79.9	145.3	286,500
36	79.0	144.9	259,200
38	78.2	144.4	235,900
40	77.4	144.0	215,900
42	76.5	143.5	198,500
44	75.7	142.9	183,200
46	74.8	142.3	169,700
48	74.0	141.7	157,700
50	73.1	141.1	146,900
55	70.9	139.4	124,200
60	68.7	137.4	106,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
65	66.5	135.2	91,600
70	64.2	132.8	79,400
75	61.9	130.1	69,100
80	59.5	127.2	60,400
85	57.1	124.0	52,800
90	54.6	120.4	46,200
95	52.0	116.5	40,400
100	49.3	112.2	35,200
105	46.5	107.5	30,600
110	43.5	102.3	26,400
150 Ft. BOOM			
28	82.9	156.5	263,900 *
29	82.5	156.3	262,000 *
30	82.1	156.2	260,100 *
32	81.3	155.8	256,400 *
34	80.6	155.5	250,600 *
36	79.8	155.1	243,000 *
38	79.0	154.7	235,700 *
40	78.2	154.2	216,200
42	77.4	153.8	198,700
44	76.6	153.3	183,400
46	75.8	152.7	169,900
48	75.1	152.2	157,900
50	74.3	151.6	147,100
55	72.3	150.0	124,400
60	70.2	148.2	106,300
65	68.2	146.2	91,700
70	66.1	143.9	79,500
75	63.9	141.5	69,200
80	61.8	138.8	60,500
85	59.6	135.9	52,900
90	57.3	132.6	46,300
95	55.0	129.1	40,400
100	52.6	125.3	35,200
105	50.1	121.2	30,600
110	47.5	116.6	26,500
115	44.8	111.6	22,700
120	42.0	106.1	19,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	254,900 *
30	82.6	166.3	253,200 *
32	81.9	166.0	248,200 *
34	81.1	165.7	240,200 *
36	80.4	165.3	232,700 *
38	79.7	164.9	225,400 *
40	79.0	164.5	216,400
42	78.2	164.0	198,900
44	77.5	163.6	183,600
46	76.8	163.1	170,000
48	76.0	162.6	157,900
50	75.3	162.0	147,100
55	73.4	160.5	124,400
60	71.5	158.8	106,300
65	69.6	157.0	91,600
70	67.7	154.9	79,400
75	65.7	152.6	69,200
80	63.7	150.2	60,400
85	61.7	147.5	52,800
90	59.6	144.5	46,100
95	57.5	141.3	40,300
100	55.3	137.9	35,100
105	53.1	134.1	30,500
110	50.7	130.1	26,300
115	48.4	125.6	22,500
120	45.9	120.8	19,100
125	43.3	115.6	16,000

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

100 Ft. Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	246,300 *
32	82.4	176.1	238,400 *
34	81.7	175.8	230,700 *
36	81.0	175.5	223,200 *
38	80.3	175.1	216,200 *
40	79.6	174.7	209,400 *
42	78.9	174.3	199,100
44	78.2	173.8	183,800
46	77.5	173.4	170,200
48	76.9	172.9	158,200
50	76.2	172.4	147,300
55	74.4	171.0	124,600
60	72.6	169.4	106,500
65	70.9	167.6	91,800
70	69.1	165.7	79,700
75	67.2	163.6	69,400
80	65.4	161.3	60,600
85	63.5	158.8	53,000
90	61.6	156.1	46,400
95	59.6	153.2	40,500
100	57.6	150.0	35,300
105	55.6	146.6	30,700
110	53.5	142.9	26,500
115	51.3	138.9	22,800
120	49.1	134.6	19,300
125	46.8	129.9	16,200
130	44.4	124.9	13,400
135	41.9	119.3	10,300 *
180 Ft. BOOM			
32	82.8	186.2	227,000 *
34	82.1	185.9	219,500 *
36	81.5	185.6	212,300 *
38	80.9	185.3	205,500 *
40	80.2	184.9	198,900 *
42	79.6	184.5	192,600 *
44	78.9	184.1	183,800
46	78.3	183.6	170,300
48	77.6	183.2	158,200
50	76.9	182.7	147,300
55	75.3	181.4	124,500
60	73.6	179.9	106,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
65	72.0	178.3	91,700
70	70.3	176.5	79,500
75	68.6	174.5	69,200
80	66.8	172.3	60,400
85	65.1	170.0	52,800
90	63.3	167.5	46,100
95	61.5	164.8	40,300
100	59.6	161.8	35,100
105	57.8	158.7	30,400
110	55.8	155.3	26,300
115	53.9	151.7	22,500
120	51.8	147.7	19,100
125	49.8	143.5	15,900
130	47.6	139.0	13,100
135	45.4	134.1	10,400
190 Ft. BOOM			
34	82.6	196.0	195,300 *
36	81.9	195.7	190,300 *
38	81.3	195.4	185,500 *
40	80.7	195.1	180,800 *
42	80.1	194.7	176,200 *
44	79.5	194.3	171,600 *
46	78.9	193.9	167,000 *
48	78.3	193.4	158,100
50	77.6	193.0	147,200
55	76.1	191.7	124,400
60	74.5	190.3	106,300
65	72.9	188.8	91,500
70	71.4	187.1	79,300
75	69.7	185.3	69,000
80	68.1	183.2	60,200
85	66.5	181.1	52,600
90	64.8	178.7	45,900
95	63.1	176.2	40,000
100	61.4	173.4	34,800
105	59.7	170.5	30,200
110	57.9	167.4	26,000
115	56.1	164.0	22,200
120	54.2	160.4	18,800
125	52.3	156.6	15,700
130	50.3	152.4	12,800
135	48.3	148.0	10,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	179,800 *
38	81.8	205.5	175,100 *
40	81.2	205.2	170,500 *
42	80.6	204.8	166,000 *
44	80.0	204.5	161,700 *
46	79.4	204.1	157,300 *
48	78.9	203.7	152,900 *
50	78.3	203.2	147,100
55	76.8	202.1	124,200
60	75.3	200.7	106,100
65	73.8	199.3	91,300
70	72.3	197.7	79,100
75	70.8	195.9	68,700
80	69.3	194.0	59,900
85	67.7	192.0	52,300
90	66.2	189.8	45,600
95	64.6	187.4	39,700
100	63.0	184.8	34,500
105	61.3	182.1	29,900
110	59.7	179.2	25,700
115	58.0	176.0	21,900
120	56.3	172.7	18,400
125	54.5	169.1	15,300
130	52.7	165.3	12,400



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

110 Ft. Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	470,300 *
21	81.7	86.7	466,100 *
22	80.9	86.5	462,100 *
23	80.2	86.3	458,200 *
24	79.5	86.1	444,500 *
25	78.7	85.9	426,000 *
26	78.0	85.6	408,800 *
27	77.3	85.4	392,800 *
28	76.5	85.1	377,900 *
29	75.8	84.8	363,900 *
30	75.0	84.5	346,200
32	73.5	83.9	307,200
34	72.0	83.2	275,200
36	70.5	82.4	248,300
38	68.9	81.6	225,400
40	67.3	80.7	205,800
42	65.8	79.8	188,700
44	64.2	78.7	173,700
46	62.5	77.6	160,400
48	60.9	76.5	148,600
50	59.2	75.2	138,000
55	54.8	71.7	115,700
60	50.2	67.6	98,000
65	45.1	62.7	83,700
90 Ft. BOOM			
21	82.6	96.9	450,100 *
22	81.9	96.7	446,000 *
23	81.3	96.5	442,100 *
24	80.6	96.3	438,300 *
25	80.0	96.1	426,500 *
26	79.3	95.9	409,300 *
27	78.7	95.7	393,400 *
28	78.0	95.4	378,500 *
29	77.4	95.2	364,500 *
30	76.7	94.9	348,400
32	75.4	94.4	309,300
34	74.1	93.7	277,100
36	72.7	93.1	250,200
38	71.4	92.4	227,300
40	70.0	91.6	207,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	190,500
44	67.2	89.9	175,500
46	65.8	88.9	162,200
48	64.4	87.9	150,300
50	63.0	86.8	139,700
55	59.3	83.9	117,400
60	55.4	80.4	99,700
65	51.3	76.5	85,300
70	47.0	71.8	73,300
75	42.3	66.5	63,300
100 Ft. BOOM			
22	82.8	106.8	428,600 *
23	82.2	106.7	424,800 *
24	81.6	106.5	421,100 *
25	81.0	106.3	417,400 *
26	80.4	106.1	409,400 *
27	79.8	105.9	393,500 *
28	79.3	105.7	378,600 *
29	78.7	105.5	364,700 *
30	78.1	105.2	350,000
32	76.9	104.7	310,900
34	75.7	104.2	278,600
36	74.5	103.6	251,600
38	73.3	103.0	228,700
40	72.1	102.3	208,900
42	70.9	101.5	191,800
44	69.7	100.8	176,700
46	68.4	99.9	163,400
48	67.2	99.0	151,500
50	65.9	98.1	140,800
55	62.7	95.5	118,500
60	59.3	92.5	100,700
65	55.9	89.2	86,300
70	52.3	85.3	74,300
75	48.5	80.9	64,200
80	44.4	75.9	55,500
110 Ft. BOOM			
23	82.9	116.8	332,900 *
24	82.4	116.6	330,100 *
25	81.8	116.5	327,300 *
26	81.3	116.3	324,700 *
27	80.8	116.1	322,100 *
28	80.3	115.9	319,600 *
29	79.7	115.7	317,200 *
30	79.2	115.5	314,800 *
32	78.1	115.0	310,300 *
34	77.0	114.6	279,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	252,800
38	74.9	113.4	229,800
40	73.8	112.8	210,000
42	72.7	112.2	192,800
44	71.6	111.5	177,700
46	70.5	110.7	164,400
48	69.4	109.9	152,500
50	68.2	109.1	141,800
55	65.4	106.8	119,400
60	62.4	104.2	101,600
65	59.4	101.2	87,200
70	56.3	97.9	75,200
75	53.0	94.1	65,000
80	49.6	89.9	56,400
85	46.0	85.1	48,900
90	42.2	79.7	42,400
120 Ft. BOOM			
24	83.0	126.8	311,600 *
25	82.5	126.6	309,300 *
26	82.0	126.4	306,900 *
27	81.6	126.3	304,700 *
28	81.1	126.1	302,600 *
29	80.6	125.9	300,500 *
30	80.1	125.7	298,400 *
32	79.1	125.3	294,500 *
34	78.1	124.8	280,700
36	77.2	124.4	253,600
38	76.2	123.8	230,600
40	75.2	123.3	210,800
42	74.2	122.7	193,500
44	73.2	122.0	178,400
46	72.2	121.4	165,000
48	71.2	120.6	153,100
50	70.1	119.9	142,400
55	67.6	117.8	120,000
60	64.9	115.5	102,200
65	62.2	112.8	87,700
70	59.5	109.9	75,600
75	56.6	106.6	65,500
80	53.6	102.9	56,800
85	50.6	98.8	49,300
90	47.3	94.2	42,800
95	43.9	89.1	37,000

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

110 Ft. Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
26	82.7	136.6	309,000 *
27	82.2	136.4	306,800 *
28	81.8	136.2	304,700 *
29	81.3	136.1	302,700 *
30	80.9	135.9	300,700 *
32	80.0	135.5	297,000 *
34	79.1	135.1	281,700
36	78.2	134.6	254,600
38	77.3	134.2	231,500
40	76.4	133.6	211,700
42	75.4	133.1	194,400
44	74.5	132.5	179,300
46	73.6	131.9	165,900
48	72.7	131.2	154,000
50	71.7	130.5	143,300
55	69.4	128.7	120,900
60	67.0	126.5	103,100
65	64.5	124.1	88,500
70	62.1	121.5	76,500
75	59.5	118.5	66,400
80	56.9	115.3	57,700
85	54.2	111.7	50,200
90	51.3	107.7	43,600
95	48.4	103.3	37,900
100	45.3	98.4	32,800
105	42.0	92.9	28,200
140 Ft. BOOM			
27	82.8	146.5	299,700 *
28	82.4	146.4	297,800 *
29	81.9	146.2	296,000 *
30	81.5	146.0	294,200 *
32	80.7	145.7	290,700 *
34	79.9	145.3	282,300
36	79.0	144.9	255,100
38	78.2	144.4	232,000
40	77.4	144.0	212,200
42	76.5	143.5	194,900
44	75.7	142.9	179,700
46	74.8	142.3	166,300
48	74.0	141.7	154,400
50	73.1	141.1	143,700
55	70.9	139.4	121,200
60	68.7	137.4	103,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
65	66.5	135.2	88,800
70	64.2	132.8	76,700
75	61.9	130.1	66,500
80	59.5	127.2	57,800
85	57.1	124.0	50,300
90	54.6	120.4	43,800
95	52.0	116.5	38,000
100	49.3	112.2	32,800
105	46.5	107.5	28,300
110	43.5	102.3	24,100
150 Ft. BOOM			
28	82.9	156.5	260,400 *
29	82.5	156.3	258,500 *
30	82.1	156.2	256,600 *
32	81.3	155.8	252,900 *
34	80.6	155.5	246,700 *
36	79.8	155.1	239,100 *
38	79.0	154.7	231,800 *
40	78.2	154.2	212,500
42	77.4	153.8	195,200
44	76.6	153.3	180,000
46	75.8	152.7	166,600
48	75.1	152.2	154,600
50	74.3	151.6	143,900
55	72.3	150.0	121,400
60	70.2	148.2	103,500
65	68.2	146.2	88,900
70	66.1	143.9	76,900
75	63.9	141.5	66,700
80	61.8	138.8	58,000
85	59.6	135.9	50,500
90	57.3	132.6	43,900
95	55.0	129.1	38,100
100	52.6	125.3	33,000
105	50.1	121.2	28,400
110	47.5	116.6	24,300
115	44.8	111.6	20,500
120	42.0	106.1	17,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	251,400 *
30	82.6	166.3	249,800 *
32	81.9	166.0	244,100 *
34	81.1	165.7	236,200 *
36	80.4	165.3	228,700 *
38	79.7	164.9	221,500 *
40	79.0	164.5	212,800
42	78.2	164.0	195,400
44	77.5	163.6	180,200
46	76.8	163.1	166,800
48	76.0	162.6	154,800
50	75.3	162.0	144,000
55	73.4	160.5	121,500
60	71.5	158.8	103,600
65	69.6	157.0	89,000
70	67.7	154.9	76,900
75	65.7	152.6	66,700
80	63.7	150.2	57,900
85	61.7	147.5	50,400
90	59.6	144.5	43,800
95	57.5	141.3	38,000
100	55.3	137.9	32,900
105	53.1	134.1	28,300
110	50.7	130.1	24,100
115	48.4	125.6	20,400
120	45.9	120.8	17,000
125	43.3	115.6	13,900



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

**Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating**

**Meets
ANSI B30.5
Requirements**

110 Ft. Luffing Jib, Attached at 160 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	242,300 *
32	82.4	176.1	234,300 *
34	81.7	175.8	226,600 *
36	81.0	175.5	219,200 *
38	80.3	175.1	212,200 *
40	79.6	174.7	205,500 *
42	78.9	174.3	195,700
44	78.2	173.8	180,500
46	77.5	173.4	167,000
48	76.9	172.9	155,100
50	76.2	172.4	144,300
55	74.4	171.0	121,700
60	72.6	169.4	103,800
65	70.9	167.6	89,200
70	69.1	165.7	77,100
75	67.2	163.6	66,900
80	65.4	161.3	58,200
85	63.5	158.8	50,700
90	61.6	156.1	44,100
95	59.6	153.2	38,300
100	57.6	150.0	33,100
105	55.6	146.6	28,500
110	53.5	142.9	24,400
115	51.3	138.9	20,700
120	49.1	134.6	17,300
125	46.8	129.9	14,200
130	44.4	124.9	11,400
180 Ft. BOOM			
32	82.8	186.2	222,800 *
34	82.1	185.9	215,400 *
36	81.5	185.6	208,300 *
38	80.9	185.3	201,500 *
40	80.2	184.9	194,900 *
42	79.6	184.5	188,700 *
44	78.9	184.1	180,600
46	78.3	183.6	167,100
48	77.6	183.2	155,100
50	76.9	182.7	144,300
55	75.3	181.4	121,700
60	73.6	179.9	103,800
65	72.0	178.3	89,100
70	70.3	176.5	77,000
75	68.6	174.5	66,800
80	66.8	172.3	58,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
85	65.1	170.0	50,500
90	63.3	167.5	43,900
95	61.5	164.8	38,100
100	59.6	161.8	32,900
105	57.8	158.7	28,300
110	55.8	155.3	24,200
115	53.9	151.7	20,400
120	51.8	147.7	17,000
125	49.8	143.5	13,900
130	47.6	139.0	11,100
190 Ft. BOOM			
34	82.6	196.0	191,600 *
36	81.9	195.7	186,700 *
38	81.3	195.4	181,900 *
40	80.7	195.1	177,200 *
42	80.1	194.7	172,600 *
44	79.5	194.3	168,000 *
46	78.9	193.9	163,400 *
48	78.3	193.4	155,100
50	77.6	193.0	144,300
55	76.1	191.7	121,600
60	74.5	190.3	103,600
65	72.9	188.8	89,000
70	71.4	187.1	76,900
75	69.7	185.3	66,600
80	68.1	183.2	57,900
85	66.5	181.1	50,300
90	64.8	178.7	43,700
95	63.1	176.2	37,900
100	61.4	173.4	32,700
105	59.7	170.5	28,100
110	57.9	167.4	24,000
115	56.1	164.0	20,200
120	54.2	160.4	16,800
125	52.3	156.6	13,700
130	50.3	152.4	10,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	176,100 *
38	81.8	205.5	171,400 *
40	81.2	205.2	166,900 *
42	80.6	204.8	162,500 *
44	80.0	204.5	158,100 *
46	79.4	204.1	153,700 *
48	78.9	203.7	149,300 *
50	78.3	203.2	144,200
55	76.8	202.1	121,500
60	75.3	200.7	103,500
65	73.8	199.3	88,800
70	72.3	197.7	76,600
75	70.8	195.9	66,400
80	69.3	194.0	57,600
85	67.7	192.0	50,000
90	66.2	189.8	43,400
95	64.6	187.4	37,600
100	63.0	184.8	32,400
105	61.3	182.1	27,800
110	59.7	179.2	23,700
115	58.0	176.0	19,900
120	56.3	172.7	16,500
125	54.5	169.1	13,400
130	52.7	165.3	10,500

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

120 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	475,200 *
21	81.7	86.7	471,600 *
22	80.9	86.5	468,100 *
23	80.2	86.3	464,200 *
24	79.5	86.1	447,500 *
25	78.7	85.9	428,700 *
26	78.0	85.6	411,300 *
27	77.3	85.4	395,100 *
28	76.5	85.1	380,000 *
29	75.8	84.8	365,800 *
30	75.0	84.5	349,900
32	73.5	83.9	310,200
34	72.0	83.2	277,500
36	70.5	82.4	250,000
38	68.9	81.6	226,700
40	67.3	80.7	206,700
42	65.8	79.8	189,300
44	64.2	78.7	174,000
46	62.5	77.6	160,400
48	60.9	76.5	148,300
50	59.2	75.2	137,500
55	54.8	71.7	114,800
60	50.2	67.6	96,700
65	45.1	62.7	82,000
70	39.6	56.8	69,700
75	33.3	49.4	52,000 *
90 Ft. BOOM			
21	82.6	96.9	463,000 *
22	81.9	96.7	458,800 *
23	81.3	96.5	454,600 *
24	80.6	96.3	448,100 *
25	80.0	96.1	429,400 *
26	79.3	95.9	412,100 *
27	78.7	95.7	395,900 *
28	78.0	95.4	380,800 *
29	77.4	95.2	366,600 *
30	76.7	94.9	352,400
32	75.4	94.4	312,600
34	74.1	93.7	279,800
36	72.7	93.1	252,400
38	71.4	92.4	229,000
40	70.0	91.6	209,000
42	68.6	90.8	191,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
44	67.2	89.9	176,200
46	65.8	88.9	162,600
48	64.4	87.9	150,500
50	63.0	86.8	139,700
55	59.3	83.9	116,900
60	55.4	80.4	98,800
65	51.3	76.5	84,100
70	47.0	71.8	71,800
75	42.3	66.5	61,500
80	37.1	60.0	52,600
100 Ft. BOOM			
22	82.8	106.8	441,100 *
23	82.2	106.7	437,100 *
24	81.6	106.5	433,100 *
25	81.0	106.3	429,200 *
26	80.4	106.1	412,300 *
27	79.8	105.9	396,100 *
28	79.3	105.7	381,000 *
29	78.7	105.5	366,900 *
30	78.1	105.2	353,700 *
32	76.9	104.7	314,400
34	75.7	104.2	281,600
36	74.5	103.6	254,100
38	73.3	103.0	230,700
40	72.1	102.3	210,600
42	70.9	101.5	193,100
44	69.7	100.8	177,700
46	68.4	99.9	164,100
48	67.2	99.0	152,000
50	65.9	98.1	141,100
55	62.7	95.5	118,300
60	59.3	92.5	100,200
65	55.9	89.2	85,400
70	52.3	85.3	73,200
75	48.5	80.9	62,800
80	44.4	75.9	54,000
85	40.0	70.0	46,300
90	35.1	63.1	39,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	340,200 *
24	82.4	116.6	337,200 *
25	81.8	116.5	334,200 *
26	81.3	116.3	331,400 *
27	80.8	116.1	328,700 *
28	80.3	115.9	326,000 *
29	79.7	115.7	323,400 *
30	79.2	115.5	320,900 *
32	78.1	115.0	315,900
34	77.0	114.6	283,000
36	76.0	114.0	255,500
38	74.9	113.4	232,000
40	73.8	112.8	211,900
42	72.7	112.2	194,400
44	71.6	111.5	179,000
46	70.5	110.7	165,400
48	69.4	109.9	153,200
50	68.2	109.1	142,400
55	65.4	106.8	119,500
60	62.4	104.2	101,400
65	59.4	101.2	86,600
70	56.3	97.9	74,300
75	53.0	94.1	64,000
80	49.6	89.9	55,100
85	46.0	85.1	47,500
90	42.2	79.7	40,800
95	38.0	73.4	34,900
100	33.3	66.0	27,700 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

**Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating**

**Meets
ANSI B30.5
Requirements**

120 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	328,700 *
25	82.5	126.6	326,200 *
26	82.0	126.4	323,800 *
27	81.6	126.3	321,500 *
28	81.1	126.1	319,300 *
29	80.6	125.9	317,100 *
30	80.1	125.7	315,000 *
32	79.1	125.3	311,000 *
34	78.1	124.8	284,100
36	77.2	124.4	256,500
38	76.2	123.8	233,000
40	75.2	123.3	212,800
42	74.2	122.7	195,300
44	73.2	122.0	179,900
46	72.2	121.4	166,200
48	71.2	120.6	154,100
50	70.1	119.9	143,200
55	67.6	117.8	120,300
60	64.9	115.5	102,100
65	62.2	112.8	87,300
70	59.5	109.9	75,000
75	56.6	106.6	64,700
80	53.6	102.9	55,800
85	50.6	98.8	48,100
90	47.3	94.2	41,400
95	43.9	89.1	35,500
100	40.2	83.3	30,300
105	36.2	76.6	25,200 *
130 Ft. BOOM			
26	82.7	136.6	315,900 *
27	82.2	136.4	313,600 *
28	81.8	136.2	311,300 *
29	81.3	136.1	309,100 *
30	80.9	135.9	307,000 *
32	80.0	135.5	302,900 *
34	79.1	135.1	285,200
36	78.2	134.6	257,600
38	77.3	134.2	234,100
40	76.4	133.6	213,900
42	75.4	133.1	196,300
44	74.5	132.5	180,900
46	73.6	131.9	167,300
48	72.7	131.2	155,100
50	71.7	130.5	144,300
55	69.4	128.7	121,400
60	67.0	126.5	103,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
65	64.5	124.1	88,400
70	62.1	121.5	76,100
75	59.5	118.5	65,700
80	56.9	115.3	56,900
85	54.2	111.7	49,200
90	51.3	107.7	42,500
95	48.4	103.3	36,600
100	45.3	98.4	31,400
105	42.0	92.9	26,700
110	38.5	86.7	22,500
115	34.7	79.7	17,000 *
140 Ft. BOOM			
27	82.8	146.5	306,600 *
28	82.4	146.4	304,500 *
29	81.9	146.2	302,500 *
30	81.5	146.0	300,600 *
32	80.7	145.7	296,800 *
34	79.9	145.3	286,000
36	79.0	144.9	258,300
38	78.2	144.4	234,800
40	77.4	144.0	214,500
42	76.5	143.5	196,900
44	75.7	142.9	181,500
46	74.8	142.3	167,800
48	74.0	141.7	155,600
50	73.1	141.1	144,700
55	70.9	139.4	121,800
60	68.7	137.4	103,600
65	66.5	135.2	88,800
70	64.2	132.8	76,400
75	61.9	130.1	66,100
80	59.5	127.2	57,200
85	57.1	124.0	49,500
90	54.6	120.4	42,800
95	52.0	116.5	36,900
100	49.3	112.2	31,600
105	46.5	107.5	26,900
110	43.5	102.3	22,700
115	40.4	96.5	18,900
120	37.0	90.0	13,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	268,000 *
29	82.5	156.3	265,900 *
30	82.1	156.2	263,800 *
32	81.3	155.8	259,800 *
34	80.6	155.5	254,100 *
36	79.8	155.1	246,100 *
38	79.0	154.7	235,300
40	78.2	154.2	215,000
42	77.4	153.8	197,400
44	76.6	153.3	181,900
46	75.8	152.7	168,200
48	75.1	152.2	156,000
50	74.3	151.6	145,100
55	72.3	150.0	122,200
60	70.2	148.2	103,900
65	68.2	146.2	89,100
70	66.1	143.9	76,800
75	63.9	141.5	66,400
80	61.8	138.8	57,500
85	59.6	135.9	49,800
90	57.3	132.6	43,100
95	55.0	129.1	37,200
100	52.6	125.3	31,900
105	50.1	121.2	27,200
110	47.5	116.6	23,000
115	44.8	111.6	19,200
120	42.0	106.1	15,700
125	38.9	100.0	11,100 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

120 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	258,900 *
30	82.6	166.3	257,100 *
32	81.9	166.0	252,800 *
34	81.1	165.7	244,500 *
36	80.4	165.3	236,500 *
38	79.7	164.9	228,900 *
40	79.0	164.5	215,400
42	78.2	164.0	197,700
44	77.5	163.6	182,200
46	76.8	163.1	168,500
48	76.0	162.6	156,300
50	75.3	162.0	145,300
55	73.4	160.5	122,300
60	71.5	158.8	104,100
65	69.6	157.0	89,200
70	67.7	154.9	76,900
75	65.7	152.6	66,400
80	63.7	150.2	57,500
85	61.7	147.5	49,900
90	59.6	144.5	43,100
95	57.5	141.3	37,200
100	55.3	137.9	31,900
105	53.1	134.1	27,200
110	50.7	130.1	23,000
115	48.4	125.6	19,200
120	45.9	120.8	15,700
125	43.3	115.6	12,400 *
170 Ft. BOOM			
30	83.0	176.4	250,400 *
32	82.4	176.1	243,800 *
34	81.7	175.8	235,600 *
36	81.0	175.5	227,700 *
38	80.3	175.1	220,300 *
40	79.6	174.7	213,200 *
42	78.9	174.3	198,100
44	78.2	173.8	182,600
46	77.5	173.4	168,900
48	76.9	172.9	156,600
50	76.2	172.4	145,700
55	74.4	171.0	122,700
60	72.6	169.4	104,400
65	70.9	167.6	89,600
70	69.1	165.7	77,200
75	67.2	163.6	66,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
80	65.4	161.3	57,900
85	63.5	158.8	50,200
90	61.6	156.1	43,500
95	59.6	153.2	37,600
100	57.6	150.0	32,300
105	55.6	146.6	27,600
110	53.5	142.9	23,400
115	51.3	138.9	19,600
120	49.1	134.6	16,100
125	46.8	129.9	13,000
180 Ft. BOOM			
32	82.8	186.2	232,900 *
34	82.1	185.9	225,000 *
36	81.5	185.6	217,500 *
38	80.9	185.3	210,200 *
40	80.2	184.9	203,300 *
42	79.6	184.5	196,600 *
44	78.9	184.1	182,800
46	78.3	183.6	169,000
48	77.6	183.2	156,800
50	76.9	182.7	145,800
55	75.3	181.4	122,800
60	73.6	179.9	104,500
65	72.0	178.3	89,600
70	70.3	176.5	77,200
75	68.6	174.5	66,800
80	66.8	172.3	57,900
85	65.1	170.0	50,200
90	63.3	167.5	43,400
95	61.5	164.8	37,500
100	59.6	161.8	32,200
105	57.8	158.7	27,500
110	55.8	155.3	23,300
115	53.9	151.7	19,500
120	51.8	147.7	16,000
125	49.8	143.5	12,800
190 Ft. BOOM			
34	82.6	196.0	200,200 *
36	81.9	195.7	194,900 *
38	81.3	195.4	189,700 *
40	80.7	195.1	184,700 *
42	80.1	194.7	179,800 *
44	79.5	194.3	175,000 *
46	78.9	193.9	169,100
48	78.3	193.4	156,800
50	77.6	193.0	145,800
55	76.1	191.7	122,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
60	74.5	190.3	104,400
65	72.9	188.8	89,500
70	71.4	187.1	77,100
75	69.7	185.3	66,700
80	68.1	183.2	57,800
85	66.5	181.1	50,000
90	64.8	178.7	43,300
95	63.1	176.2	37,400
100	61.4	173.4	32,100
105	59.7	170.5	27,400
110	57.9	167.4	23,200
115	56.1	164.0	19,300
120	54.2	160.4	15,900
125	52.3	156.6	12,700
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	180,000 *
38	81.8	205.5	179,800 *
40	81.2	205.2	175,000 *
42	80.6	204.8	170,200 *
44	80.0	204.5	165,600 *
46	79.4	204.1	161,000 *
48	78.9	203.7	156,500 *
50	78.3	203.2	145,800
55	76.8	202.1	122,700
60	75.3	200.7	104,300
65	73.8	199.3	89,400
70	72.3	197.7	77,000
75	70.8	195.9	66,500
80	69.3	194.0	57,600
85	67.7	192.0	49,900
90	66.2	189.8	43,100
95	64.6	187.4	37,200
100	63.0	184.8	31,900
105	61.3	182.1	27,200
110	59.7	179.2	22,900
115	58.0	176.0	19,100
120	56.3	172.7	15,600
125	54.5	169.1	12,400



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

130 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	471,900 *
21	81.7	86.7	467,900 *
22	80.9	86.5	463,600 *
23	80.2	86.3	459,400 *
24	79.5	86.1	444,800 *
25	78.7	85.9	426,100 *
26	78.0	85.6	408,700 *
27	77.3	85.4	392,500 *
28	76.5	85.1	377,400 *
29	75.8	84.8	363,200 *
30	75.0	84.5	345,800
32	73.5	83.9	306,200
34	72.0	83.2	273,700
36	70.5	82.4	246,400
38	68.9	81.6	223,200
40	67.3	80.7	203,300
42	65.8	79.8	185,900
44	64.2	78.7	170,700
46	62.5	77.6	157,300
48	60.9	76.5	145,200
50	59.2	75.2	134,500
55	54.8	71.7	111,900
60	50.2	67.6	93,900
65	45.1	62.7	79,300
70	39.6	56.8	67,100
75	33.3	49.4	48,800 *
90 Ft. BOOM			
21	82.6	96.9	459,000 *
22	81.9	96.7	454,500 *
23	81.3	96.5	450,200 *
24	80.6	96.3	445,600 *
25	80.0	96.1	426,900 *
26	79.3	95.9	409,600 *
27	78.7	95.7	393,400 *
28	78.0	95.4	378,300 *
29	77.4	95.2	364,200 *
30	76.7	94.9	348,500
32	75.4	94.4	308,900
34	74.1	93.7	276,300
36	72.7	93.1	248,900
38	71.4	92.4	225,700
40	70.0	91.6	205,700
42	68.6	90.8	188,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
44	67.2	89.9	173,100
46	65.8	88.9	159,600
48	64.4	87.9	147,600
50	63.0	86.8	136,800
55	59.3	83.9	114,200
60	55.4	80.4	96,200
65	51.3	76.5	81,500
70	47.0	71.8	69,400
75	42.3	66.5	59,100
80	37.1	60.0	50,300
100 Ft. BOOM			
22	82.8	106.8	437,400 *
23	82.2	106.7	433,200 *
24	81.6	106.5	429,100 *
25	81.0	106.3	425,100 *
26	80.4	106.1	409,900 *
27	79.8	105.9	393,700 *
28	79.3	105.7	378,700 *
29	78.7	105.5	364,600 *
30	78.1	105.2	350,600
32	76.9	104.7	310,900
34	75.7	104.2	278,200
36	74.5	103.6	250,800
38	73.3	103.0	227,500
40	72.1	102.3	207,500
42	70.9	101.5	190,100
44	69.7	100.8	174,800
46	68.4	99.9	161,300
48	67.2	99.0	149,200
50	65.9	98.1	138,400
55	62.7	95.5	115,700
60	59.3	92.5	97,700
65	55.9	89.2	83,000
70	52.3	85.3	70,800
75	48.5	80.9	60,500
80	44.4	75.9	51,700
85	40.0	70.0	44,100
90	35.1	63.1	36,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	337,800 *
24	82.4	116.6	334,700 *
25	81.8	116.5	331,700 *
26	81.3	116.3	328,900 *
27	80.8	116.1	326,100 *
28	80.3	115.9	323,400 *
29	79.7	115.7	320,800 *
30	79.2	115.5	318,200 *
32	78.1	115.0	312,500
34	77.0	114.6	279,800
36	76.0	114.0	252,400
38	74.9	113.4	229,000
40	73.8	112.8	209,000
42	72.7	112.2	191,500
44	71.6	111.5	176,200
46	70.5	110.7	162,700
48	69.4	109.9	150,600
50	68.2	109.1	139,800
55	65.4	106.8	117,100
60	62.4	104.2	99,000
65	59.4	101.2	84,300
70	56.3	97.9	72,100
75	53.0	94.1	61,800
80	49.6	89.9	53,000
85	46.0	85.1	45,400
90	42.2	79.7	38,700
95	38.0	73.4	32,900
100	33.3	66.0	25,200 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

130 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	326,900 *
25	82.5	126.6	324,300 *
26	82.0	126.4	322,000 *
27	81.6	126.3	319,600 *
28	81.1	126.1	317,300 *
29	80.6	125.9	315,200 *
30	80.1	125.7	313,000 *
32	79.1	125.3	309,000 *
34	78.1	124.8	281,000
36	77.2	124.4	253,500
38	76.2	123.8	230,100
40	75.2	123.3	210,000
42	74.2	122.7	192,600
44	73.2	122.0	177,200
46	72.2	121.4	163,700
48	71.2	120.6	151,600
50	70.1	119.9	140,700
55	67.6	117.8	118,000
60	64.9	115.5	99,900
65	62.2	112.8	85,100
70	59.5	109.9	72,900
75	56.6	106.6	62,600
80	53.6	102.9	53,800
85	50.6	98.8	46,200
90	47.3	94.2	39,500
95	43.9	89.1	33,600
100	40.2	83.3	28,400
105	36.2	76.6	22,800 *
130 Ft. BOOM			
26	82.7	136.6	313,600 *
27	82.2	136.4	311,200 *
28	81.8	136.2	309,000 *
29	81.3	136.1	306,800 *
30	80.9	135.9	304,600 *
32	80.0	135.5	300,500 *
34	79.1	135.1	282,200
36	78.2	134.6	254,700
38	77.3	134.2	231,300
40	76.4	133.6	211,200
42	75.4	133.1	193,700
44	74.5	132.5	178,400
46	73.6	131.9	164,800
48	72.7	131.2	152,700
50	71.7	130.5	141,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
55	69.4	128.7	119,100
60	67.0	126.5	101,000
65	64.5	124.1	86,300
70	62.1	121.5	74,100
75	59.5	118.5	63,800
80	56.9	115.3	55,000
85	54.2	111.7	47,300
90	51.3	107.7	40,700
95	48.4	103.3	34,800
100	45.3	98.4	29,600
105	42.0	92.9	24,900
110	38.5	86.7	20,300 *
115	34.7	79.7	14,800 *
140 Ft. BOOM			
27	82.8	146.5	304,300 *
28	82.4	146.4	302,300 *
29	81.9	146.2	300,200 *
30	81.5	146.0	298,300 *
32	80.7	145.7	294,500 *
34	79.9	145.3	283,000
36	79.0	144.9	255,500
38	78.2	144.4	232,100
40	77.4	144.0	211,900
42	76.5	143.5	194,400
44	75.7	142.9	179,000
46	74.8	142.3	165,400
48	74.0	141.7	153,300
50	73.1	141.1	142,400
55	70.9	139.4	119,600
60	68.7	137.4	101,500
65	66.5	135.2	86,700
70	64.2	132.8	74,500
75	61.9	130.1	64,200
80	59.5	127.2	55,300
85	57.1	124.0	47,700
90	54.6	120.4	41,000
95	52.0	116.5	35,100
100	49.3	112.2	29,900
105	46.5	107.5	25,300
110	43.5	102.3	21,100
115	40.4	96.5	16,900 *
120	37.0	90.0	11,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	265,800 *
29	82.5	156.3	263,700 *
30	82.1	156.2	261,600 *
32	81.3	155.8	257,600 *
34	80.6	155.5	251,700 *
36	79.8	155.1	243,600 *
38	79.0	154.7	232,600
40	78.2	154.2	212,500
42	77.4	153.8	194,900
44	76.6	153.3	179,500
46	75.8	152.7	165,900
48	75.1	152.2	153,800
50	74.3	151.6	142,900
55	72.3	150.0	120,000
60	70.2	148.2	101,900
65	68.2	146.2	87,100
70	66.1	143.9	74,900
75	63.9	141.5	64,500
80	61.8	138.8	55,700
85	59.6	135.9	48,000
90	57.3	132.6	41,400
95	55.0	129.1	35,500
100	52.6	125.3	30,300
105	50.1	121.2	25,600
110	47.5	116.6	21,400
115	44.8	111.6	17,600
120	42.0	106.1	13,700 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

**Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating**

**Meets
ANSI B30.5
Requirements**

130 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	256,800 *
30	82.6	166.3	254,900 *
32	81.9	166.0	250,300 *
34	81.1	165.7	242,000 *
36	80.4	165.3	234,000 *
38	79.7	164.9	226,400 *
40	79.0	164.5	212,900
42	78.2	164.0	195,300
44	77.5	163.6	179,900
46	76.8	163.1	166,200
48	76.0	162.6	154,100
50	75.3	162.0	143,200
55	73.4	160.5	120,300
60	71.5	158.8	102,100
65	69.6	157.0	87,300
70	67.7	154.9	75,000
75	65.7	152.6	64,700
80	63.7	150.2	55,800
85	61.7	147.5	48,100
90	59.6	144.5	41,500
95	57.5	141.3	35,600
100	55.3	137.9	30,300
105	53.1	134.1	25,700
110	50.7	130.1	21,500
115	48.4	125.6	17,700
120	45.9	120.8	14,200
125	43.3	115.6	10,400 *
170 Ft. BOOM			
30	83.0	176.4	248,300 *
32	82.4	176.1	241,300 *
34	81.7	175.8	233,000 *
36	81.0	175.5	225,200 *
38	80.3	175.1	217,800 *
40	79.6	174.7	210,700 *
42	78.9	174.3	195,700
44	78.2	173.8	180,300
46	77.5	173.4	166,600
48	76.9	172.9	154,500
50	76.2	172.4	143,600
55	74.4	171.0	120,700
60	72.6	169.4	102,500
65	70.9	167.6	87,700
70	69.1	165.7	75,400
75	67.2	163.6	65,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
80	65.4	161.3	56,200
85	63.5	158.8	48,600
90	61.6	156.1	41,900
95	59.6	153.2	36,000
100	57.6	150.0	30,800
105	55.6	146.6	26,100
110	53.5	142.9	21,900
115	51.3	138.9	18,100
120	49.1	134.6	14,700
125	46.8	129.9	11,500
180 Ft. BOOM			
32	82.8	186.2	230,400 *
34	82.1	185.9	222,500 *
36	81.5	185.6	215,000 *
38	80.9	185.3	207,700 *
40	80.2	184.9	200,800 *
42	79.6	184.5	194,200 *
44	78.9	184.1	180,500
46	78.3	183.6	166,900
48	77.6	183.2	154,700
50	76.9	182.7	143,700
55	75.3	181.4	120,800
60	73.6	179.9	102,600
65	72.0	178.3	87,800
70	70.3	176.5	75,500
75	68.6	174.5	65,100
80	66.8	172.3	56,200
85	65.1	170.0	48,500
90	63.3	167.5	41,800
95	61.5	164.8	35,900
100	59.6	161.8	30,700
105	57.8	158.7	26,000
110	55.8	155.3	21,800
115	53.9	151.7	18,000
120	51.8	147.7	14,600
125	49.8	143.5	11,400
190 Ft. BOOM			
34	82.6	196.0	197,900 *
36	81.9	195.7	192,600 *
38	81.3	195.4	187,500 *
40	80.7	195.1	182,400 *
42	80.1	194.7	177,600 *
44	79.5	194.3	172,800 *
46	78.9	193.9	166,900
48	78.3	193.4	154,700
50	77.6	193.0	143,800
55	76.1	191.7	120,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
60	74.5	190.3	102,600
65	72.9	188.8	87,700
70	71.4	187.1	75,400
75	69.7	185.3	65,000
80	68.1	183.2	56,200
85	66.5	181.1	48,500
90	64.8	178.7	41,800
95	63.1	176.2	35,900
100	61.4	173.4	30,600
105	59.7	170.5	25,900
110	57.9	167.4	21,700
115	56.1	164.0	17,900
120	54.2	160.4	14,500
125	52.3	156.6	11,300
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	180,000 *
38	81.8	205.5	177,600 *
40	81.2	205.2	172,700 *
42	80.6	204.8	167,900 *
44	80.0	204.5	163,300 *
46	79.4	204.1	158,800 *
48	78.9	203.7	154,200 *
50	78.3	203.2	143,800
55	76.8	202.1	120,800
60	75.3	200.7	102,500
65	73.8	199.3	87,700
70	72.3	197.7	75,300
75	70.8	195.9	64,900
80	69.3	194.0	56,000
85	67.7	192.0	48,300
90	66.2	189.8	41,600
95	64.6	187.4	35,700
100	63.0	184.8	30,400
105	61.3	182.1	25,800
110	59.7	179.2	21,500
115	58.0	176.0	17,700
120	56.3	172.7	14,200
125	54.5	169.1	11,100

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

140 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	466,300 *
21	81.7	86.7	461,700 *
22	80.9	86.5	457,200 *
23	80.2	86.3	452,900 *
24	79.5	86.1	441,400 *
25	78.7	85.9	422,700 *
26	78.0	85.6	405,300 *
27	77.3	85.4	389,100 *
28	76.5	85.1	374,000 *
29	75.8	84.8	359,800 *
30	75.0	84.5	340,700
32	73.5	83.9	301,300
34	72.0	83.2	268,900
36	70.5	82.4	241,800
38	68.9	81.6	218,700
40	67.3	80.7	198,900
42	65.8	79.8	181,600
44	64.2	78.7	166,500
46	62.5	77.6	153,100
48	60.9	76.5	141,100
50	59.2	75.2	130,400
55	54.8	71.7	107,900
60	50.2	67.6	90,000
65	45.1	62.7	75,500
70	39.6	56.8	63,400
75	33.3	49.4	44,100 *
90 Ft. BOOM			
21	82.6	96.9	453,200 *
22	81.9	96.7	448,700 *
23	81.3	96.5	444,300 *
24	80.6	96.3	440,000 *
25	80.0	96.1	423,600 *
26	79.3	95.9	406,300 *
27	78.7	95.7	390,100 *
28	78.0	95.4	375,100 *
29	77.4	95.2	360,900 *
30	76.7	94.9	343,600
32	75.4	94.4	304,200
34	74.1	93.7	271,800
36	72.7	93.1	244,600
38	71.4	92.4	221,500
40	70.0	91.6	201,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	184,300
44	67.2	89.9	169,100
46	65.8	88.9	155,700
48	64.4	87.9	143,700
50	63.0	86.8	133,000
55	59.3	83.9	110,500
60	55.4	80.4	92,600
65	51.3	76.5	78,000
70	47.0	71.8	65,900
75	42.3	66.5	55,700
80	37.1	60.0	46,500 *
100 Ft. BOOM			
22	82.8	106.8	432,000 *
23	82.2	106.7	427,700 *
24	81.6	106.5	423,600 *
25	81.0	106.3	419,600 *
26	80.4	106.1	406,700 *
27	79.8	105.9	390,600 *
28	79.3	105.7	375,600 *
29	78.7	105.5	361,500 *
30	78.1	105.2	346,000
32	76.9	104.7	306,400
34	75.7	104.2	273,900
36	74.5	103.6	246,700
38	73.3	103.0	223,500
40	72.1	102.3	203,600
42	70.9	101.5	186,200
44	69.7	100.8	171,000
46	68.4	99.9	157,500
48	67.2	99.0	145,600
50	65.9	98.1	134,800
55	62.7	95.5	112,200
60	59.3	92.5	94,300
65	55.9	89.2	79,700
70	52.3	85.3	67,500
75	48.5	80.9	57,300
80	44.4	75.9	48,600
85	40.0	70.0	41,000
90	35.1	63.1	32,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	334,200 *
24	82.4	116.6	331,100 *
25	81.8	116.5	328,100 *
26	81.3	116.3	325,200 *
27	80.8	116.1	322,400 *
28	80.3	115.9	319,600 *
29	79.7	115.7	317,000 *
30	79.2	115.5	314,400 *
32	78.1	115.0	308,200
34	77.0	114.6	275,700
36	76.0	114.0	248,400
38	74.9	113.4	225,200
40	73.8	112.8	205,200
42	72.7	112.2	187,800
44	71.6	111.5	172,600
46	70.5	110.7	159,100
48	69.4	109.9	147,100
50	68.2	109.1	136,300
55	65.4	106.8	113,700
60	62.4	104.2	95,800
65	59.4	101.2	81,100
70	56.3	97.9	69,000
75	53.0	94.1	58,700
80	49.6	89.9	50,000
85	46.0	85.1	42,400
90	42.2	79.7	35,800
95	38.0	73.4	29,800 *
100	33.3	66.0	21,400 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

140 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	324,000 *
25	82.5	126.6	321,500 *
26	82.0	126.4	319,000 *
27	81.6	126.3	316,600 *
28	81.1	126.1	314,400 *
29	80.6	125.9	312,100 *
30	80.1	125.7	310,000 *
32	79.1	125.3	305,900 *
34	78.1	124.8	277,000
36	77.2	124.4	249,600
38	76.2	123.8	226,400
40	75.2	123.3	206,400
42	74.2	122.7	189,000
44	73.2	122.0	173,700
46	72.2	121.4	160,200
48	71.2	120.6	148,200
50	70.1	119.9	137,400
55	67.6	117.8	114,700
60	64.9	115.5	96,700
65	62.2	112.8	82,100
70	59.5	109.9	69,900
75	56.6	106.6	59,600
80	53.6	102.9	50,900
85	50.6	98.8	43,300
90	47.3	94.2	36,600
95	43.9	89.1	30,800
100	40.2	83.3	25,600
105	36.2	76.6	19,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
26	82.7	136.6	310,200 *
27	82.2	136.4	307,800 *
28	81.8	136.2	305,500 *
29	81.3	136.1	303,300 *
30	80.9	135.9	301,100 *
32	80.0	135.5	297,000 *
34	79.1	135.1	278,300
36	78.2	134.6	251,000
38	77.3	134.2	227,700
40	76.4	133.6	207,700
42	75.4	133.1	190,300
44	74.5	132.5	175,000
46	73.6	131.9	161,500
48	72.7	131.2	149,500
50	71.7	130.5	138,700
55	69.4	128.7	116,000
60	67.0	126.5	98,000
65	64.5	124.1	83,300
70	62.1	121.5	71,200
75	59.5	118.5	60,900
80	56.9	115.3	52,100
85	54.2	111.7	44,600
90	51.3	107.7	37,900
95	48.4	103.3	32,100
100	45.3	98.4	26,900
105	42.0	92.9	22,300
110	38.5	86.7	16,900 *
115	34.7	79.7	11,300 *

140 Ft. BOOM			
27	82.8	146.5	301,000 *
28	82.4	146.4	298,900 *
29	81.9	146.2	296,900 *
30	81.5	146.0	294,900 *
32	80.7	145.7	291,100 *
34	79.9	145.3	279,300
36	79.0	144.9	251,900
38	78.2	144.4	228,500
40	77.4	144.0	208,500
42	76.5	143.5	191,000
44	75.7	142.9	175,700
46	74.8	142.3	162,200
48	74.0	141.7	150,100
50	73.1	141.1	139,300
55	70.9	139.4	116,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
60	68.7	137.4	98,600
65	66.5	135.2	83,900
70	64.2	132.8	71,700
75	61.9	130.1	61,400
80	59.5	127.2	52,600
85	57.1	124.0	45,000
90	54.6	120.4	38,400
95	52.0	116.5	32,500
100	49.3	112.2	27,300
105	46.5	107.5	22,700
110	43.5	102.3	18,500
115	40.4	96.5	13,600 *
150 Ft. BOOM			
28	82.9	156.5	262,600 *
29	82.5	156.3	260,400 *
30	82.1	156.2	258,400 *
32	81.3	155.8	254,300 *
34	80.6	155.5	248,000 *
36	79.8	155.1	240,000 *
38	79.0	154.7	229,200
40	78.2	154.2	209,100
42	77.4	153.8	191,600
44	76.6	153.3	176,300
46	75.8	152.7	162,800
48	75.1	152.2	150,700
50	74.3	151.6	139,900
55	72.3	150.0	117,100
60	70.2	148.2	99,000
65	68.2	146.2	84,300
70	66.1	143.9	72,100
75	63.9	141.5	61,800
80	61.8	138.8	53,000
85	59.6	135.9	45,400
90	57.3	132.6	38,800
95	55.0	129.1	32,900
100	52.6	125.3	27,700
105	50.1	121.2	23,100
110	47.5	116.6	18,900
115	44.8	111.6	15,100
120	42.0	106.1	10,500 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

140 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	253,600 *
30	82.6	166.3	251,800 *
32	81.9	166.0	246,700 *
34	81.1	165.7	238,300 *
36	80.4	165.3	230,400 *
38	79.7	164.9	222,800 *
40	79.0	164.5	209,600
42	78.2	164.0	192,100
44	77.5	163.6	176,800
46	76.8	163.1	163,200
48	76.0	162.6	151,100
50	75.3	162.0	140,200
55	73.4	160.5	117,400
60	71.5	158.8	99,300
65	69.6	157.0	84,600
70	67.7	154.9	72,400
75	65.7	152.6	62,100
80	63.7	150.2	53,200
85	61.7	147.5	45,600
90	59.6	144.5	39,000
95	57.5	141.3	33,100
100	55.3	137.9	27,900
105	53.1	134.1	23,200
110	50.7	130.1	19,100
115	48.4	125.6	15,300
120	45.9	120.8	11,800
170 Ft. BOOM			
30	83.0	176.4	245,200 *
32	82.4	176.1	237,600 *
34	81.7	175.8	229,400 *
36	81.0	175.5	221,600 *
38	80.3	175.1	214,200 *
40	79.6	174.7	207,100 *
42	78.9	174.3	192,600
44	78.2	173.8	177,200
46	77.5	173.4	163,600
48	76.9	172.9	151,500
50	76.2	172.4	140,700
55	74.4	171.0	117,900
60	72.6	169.4	99,800
65	70.9	167.6	85,100
70	69.1	165.7	72,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
75	67.2	163.6	62,500
80	65.4	161.3	53,700
85	63.5	158.8	46,100
90	61.6	156.1	39,500
95	59.6	153.2	33,600
100	57.6	150.0	28,400
105	55.6	146.6	23,700
110	53.5	142.9	19,600
115	51.3	138.9	15,800
120	49.1	134.6	12,400
180 Ft. BOOM			
32	82.8	186.2	226,700 *
34	82.1	185.9	218,900 *
36	81.5	185.6	211,300 *
38	80.9	185.3	204,100 *
40	80.2	184.9	197,200 *
42	79.6	184.5	190,600 *
44	78.9	184.1	177,500
46	78.3	183.6	163,900
48	77.6	183.2	151,800
50	76.9	182.7	140,900
55	75.3	181.4	118,100
60	73.6	179.9	99,900
65	72.0	178.3	85,200
70	70.3	176.5	72,900
75	68.6	174.5	62,600
80	66.8	172.3	53,800
85	65.1	170.0	46,100
90	63.3	167.5	39,500
95	61.5	164.8	33,600
100	59.6	161.8	28,400
105	57.8	158.7	23,700
110	55.8	155.3	19,500
115	53.9	151.7	15,700
120	51.8	147.7	12,300
190 Ft. BOOM			
34	82.6	196.0	194,600 *
36	81.9	195.7	189,300 *
38	81.3	195.4	184,200 *
40	80.7	195.1	179,200 *
42	80.1	194.7	174,300 *
44	79.5	194.3	169,500 *
46	78.9	193.9	164,000
48	78.3	193.4	151,900
50	77.6	193.0	141,000
55	76.1	191.7	118,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
60	74.5	190.3	100,000
65	72.9	188.8	85,200
70	71.4	187.1	72,900
75	69.7	185.3	62,600
80	68.1	183.2	53,800
85	66.5	181.1	46,100
90	64.8	178.7	39,400
95	63.1	176.2	33,600
100	61.4	173.4	28,400
105	59.7	170.5	23,700
110	57.9	167.4	19,500
115	56.1	164.0	15,700
120	54.2	160.4	12,300
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	179,300 *
38	81.8	205.5	174,300 *
40	81.2	205.2	169,400 *
42	80.6	204.8	164,700 *
44	80.0	204.5	160,100 *
46	79.4	204.1	155,500 *
48	78.9	203.7	150,900 *
50	78.3	203.2	141,100
55	76.8	202.1	118,200
60	75.3	200.7	100,000
65	73.8	199.3	85,200
70	72.3	197.7	72,900
75	70.8	195.9	62,500
80	69.3	194.0	53,700
85	67.7	192.0	46,000
90	66.2	189.8	39,300
95	64.6	187.4	33,400
100	63.0	184.8	28,200
105	61.3	182.1	23,500
110	59.7	179.2	19,300
115	58.0	176.0	15,500
120	56.3	172.7	12,100



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

150 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	460,500 *
21	81.7	86.7	455,800 *
22	80.9	86.5	451,200 *
23	80.2	86.3	446,700 *
24	79.5	86.1	437,900 *
25	78.7	85.9	419,200 *
26	78.0	85.6	401,800 *
27	77.3	85.4	385,600 *
28	76.5	85.1	370,500 *
29	75.8	84.8	356,400 *
30	75.0	84.5	335,300
32	73.5	83.9	296,200
34	72.0	83.2	264,000
36	70.5	82.4	237,000
38	68.9	81.6	214,100
40	67.3	80.7	194,400
42	65.8	79.8	177,200
44	64.2	78.7	162,100
46	62.5	77.6	148,800
48	60.9	76.5	137,000
50	59.2	75.2	126,300
55	54.8	71.7	104,000
60	50.2	67.6	86,200
65	45.1	62.7	71,700
70	39.6	56.8	59,500 *
75	33.3	49.4	39,500 *
90 Ft. BOOM			
21	82.6	96.9	447,800 *
22	81.9	96.7	443,200 *
23	81.3	96.5	438,700 *
24	80.6	96.3	434,300 *
25	80.0	96.1	420,300 *
26	79.3	95.9	403,000 *
27	78.7	95.7	386,800 *
28	78.0	95.4	371,800 *
29	77.4	95.2	357,700 *
30	76.7	94.9	338,600
32	75.4	94.4	299,400
34	74.1	93.7	267,100
36	72.7	93.1	240,100
38	71.4	92.4	217,100
40	70.0	91.6	197,300
42	68.6	90.8	180,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
44	67.2	89.9	165,100
46	65.8	88.9	151,700
48	64.4	87.9	139,800
50	63.0	86.8	129,100
55	59.3	83.9	106,800
60	55.4	80.4	89,000
65	51.3	76.5	74,500
70	47.0	71.8	62,500
75	42.3	66.5	52,300
80	37.1	60.0	42,200 *
100 Ft. BOOM			
22	82.8	106.8	427,000 *
23	82.2	106.7	422,600 *
24	81.6	106.5	418,400 *
25	81.0	106.3	414,300 *
26	80.4	106.1	403,500 *
27	79.8	105.9	387,400 *
28	79.3	105.7	372,400 *
29	78.7	105.5	358,300 *
30	78.1	105.2	341,100
32	76.9	104.7	301,800
34	75.7	104.2	269,500
36	74.5	103.6	242,400
38	73.3	103.0	219,300
40	72.1	102.3	199,500
42	70.9	101.5	182,300
44	69.7	100.8	167,200
46	68.4	99.9	153,800
48	67.2	99.0	141,900
50	65.9	98.1	131,200
55	62.7	95.5	108,700
60	59.3	92.5	90,900
65	55.9	89.2	76,300
70	52.3	85.3	64,300
75	48.5	80.9	54,100
80	44.4	75.9	45,400
85	40.0	70.0	37,900
90	35.1	63.1	28,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	330,900 *
24	82.4	116.6	327,700 *
25	81.8	116.5	324,700 *
26	81.3	116.3	321,700 *
27	80.8	116.1	318,900 *
28	80.3	115.9	316,100 *
29	79.7	115.7	313,400 *
30	79.2	115.5	310,800 *
32	78.1	115.0	303,800
34	77.0	114.6	271,400
36	76.0	114.0	244,300
38	74.9	113.4	221,200
40	73.8	112.8	201,300
42	72.7	112.2	184,100
44	71.6	111.5	168,900
46	70.5	110.7	155,500
48	69.4	109.9	143,600
50	68.2	109.1	132,900
55	65.4	106.8	110,400
60	62.4	104.2	92,500
65	59.4	101.2	78,000
70	56.3	97.9	65,900
75	53.0	94.1	55,700
80	49.6	89.9	47,000
85	46.0	85.1	39,500
90	42.2	79.7	32,900
95	38.0	73.4	26,100 *
100	33.3	66.0	17,800 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

**Meets
ANSI B30.5
Requirements**

150 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	321,300 *
25	82.5	126.6	318,700 *
26	82.0	126.4	316,300 *
27	81.6	126.3	313,900 *
28	81.1	126.1	311,600 *
29	80.6	125.9	309,300 *
30	80.1	125.7	307,200 *
32	79.1	125.3	303,000 *
34	78.1	124.8	272,900
36	77.2	124.4	245,700
38	76.2	123.8	222,600
40	75.2	123.3	202,700
42	74.2	122.7	185,400
44	73.2	122.0	170,200
46	72.2	121.4	156,700
48	71.2	120.6	144,800
50	70.1	119.9	134,000
55	67.6	117.8	111,500
60	64.9	115.5	93,600
65	62.2	112.8	79,000
70	59.5	109.9	66,900
75	56.6	106.6	56,700
80	53.6	102.9	48,000
85	50.6	98.8	40,500
90	47.3	94.2	33,900
95	43.9	89.1	28,100
100	40.2	83.3	22,400 *
105	36.2	76.6	15,700 *
130 Ft. BOOM			
26	82.7	136.6	307,000 *
27	82.2	136.4	304,600 *
28	81.8	136.2	302,300 *
29	81.3	136.1	300,100 *
30	80.9	135.9	297,900 *
32	80.0	135.5	293,700 *
34	79.1	135.1	274,400
36	78.2	134.6	247,100
38	77.3	134.2	224,000
40	76.4	133.6	204,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
42	75.4	133.1	186,800
44	74.5	132.5	171,600
46	73.6	131.9	158,200
48	72.7	131.2	146,200
50	71.7	130.5	135,400
55	69.4	128.7	112,900
60	67.0	126.5	95,000
65	64.5	124.1	80,400
70	62.1	121.5	68,300
75	59.5	118.5	58,100
80	56.9	115.3	49,400
85	54.2	111.7	41,900
90	51.3	107.7	35,300
95	48.4	103.3	29,500
100	45.3	98.4	24,300
105	42.0	92.9	19,600 *
110	38.5	86.7	13,600 *
140 Ft. BOOM			
27	82.8	146.5	298,000 *
28	82.4	146.4	295,800 *
29	81.9	146.2	293,800 *
30	81.5	146.0	291,800 *
32	80.7	145.7	287,900 *
34	79.9	145.3	275,400
36	79.0	144.9	248,200
38	78.2	144.4	225,000
40	77.4	144.0	205,000
42	76.5	143.5	187,700
44	75.7	142.9	172,400
46	74.8	142.3	159,000
48	74.0	141.7	147,000
50	73.1	141.1	136,200
55	70.9	139.4	113,600
60	68.7	137.4	95,700
65	66.5	135.2	81,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
70	64.2	132.8	68,900
75	61.9	130.1	58,700
80	59.5	127.2	50,000
85	57.1	124.0	42,400
90	54.6	120.4	35,800
95	52.0	116.5	30,000
100	49.3	112.2	24,900
105	46.5	107.5	20,200
110	43.5	102.3	15,900 *
115	40.4	96.5	10,400 *
150 Ft. BOOM			
28	82.9	156.5	259,600 *
29	82.5	156.3	257,400 *
30	82.1	156.2	255,300 *
32	81.3	155.8	251,200 *
34	80.6	155.5	244,600 *
36	79.8	155.1	236,600 *
38	79.0	154.7	225,700
40	78.2	154.2	205,700
42	77.4	153.8	188,400
44	76.6	153.3	173,100
46	75.8	152.7	159,600
48	75.1	152.2	147,600
50	74.3	151.6	136,800
55	72.3	150.0	114,200
60	70.2	148.2	96,200
65	68.2	146.2	81,600
70	66.1	143.9	69,500
75	63.9	141.5	59,200
80	61.8	138.8	50,500
85	59.6	135.9	42,900
90	57.3	132.6	36,300
95	55.0	129.1	30,500
100	52.6	125.3	25,300
105	50.1	121.2	20,700
110	47.5	116.6	16,600
115	44.8	111.6	12,500 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

**Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating**

**Meets
ANSI B30.5
Requirements**

150 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	250,700 *
30	82.6	166.3	248,800 *
32	81.9	166.0	243,200 *
34	81.1	165.7	234,800 *
36	80.4	165.3	226,900 *
38	79.7	164.9	219,300 *
40	79.0	164.5	206,300
42	78.2	164.0	188,900
44	77.5	163.6	173,600
46	76.8	163.1	160,100
48	76.0	162.6	148,100
50	75.3	162.0	137,300
55	73.4	160.5	114,600
60	71.5	158.8	96,600
65	69.6	157.0	81,900
70	67.7	154.9	69,800
75	65.7	152.6	59,500
80	63.7	150.2	50,800
85	61.7	147.5	43,200
90	59.6	144.5	36,600
95	57.5	141.3	30,700
100	55.3	137.9	25,600
105	53.1	134.1	20,900
110	50.7	130.1	16,800
115	48.4	125.6	13,000
170 Ft. BOOM			
30	83.0	176.4	242,300 *
32	82.4	176.1	234,000 *
34	81.7	175.8	225,900 *
36	81.0	175.5	218,100 *
38	80.3	175.1	210,700 *
40	79.6	174.7	203,600 *
42	78.9	174.3	189,400
44	78.2	173.8	174,200
46	77.5	173.4	160,700
48	76.9	172.9	148,600
50	76.2	172.4	137,800
55	74.4	171.0	115,200
60	72.6	169.4	97,100
65	70.9	167.6	82,500
70	69.1	165.7	70,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
75	67.2	163.6	60,100
80	65.4	161.3	51,300
85	63.5	158.8	43,700
90	61.6	156.1	37,100
95	59.6	153.2	31,300
100	57.6	150.0	26,100
105	55.6	146.6	21,500
110	53.5	142.9	17,400
115	51.3	138.9	13,600
120	49.1	134.6	10,200
180 Ft. BOOM			
32	82.8	186.2	223,200 *
34	82.1	185.9	215,300 *
36	81.5	185.6	207,800 *
38	80.9	185.3	200,600 *
40	80.2	184.9	193,700 *
42	79.6	184.5	187,100 *
44	78.9	184.1	174,500
46	78.3	183.6	161,000
48	77.6	183.2	148,900
50	76.9	182.7	138,100
55	75.3	181.4	115,400
60	73.6	179.9	97,300
65	72.0	178.3	82,700
70	70.3	176.5	70,500
75	68.6	174.5	60,200
80	66.8	172.3	51,400
85	65.1	170.0	43,800
90	63.3	167.5	37,200
95	61.5	164.8	31,400
100	59.6	161.8	26,200
105	57.8	158.7	21,500
110	55.8	155.3	17,400
115	53.9	151.7	13,600
120	51.8	147.7	10,200
190 Ft. BOOM			
34	82.6	196.0	191,500 *
36	81.9	195.7	186,200 *
38	81.3	195.4	181,000 *
40	80.7	195.1	176,100 *
42	80.1	194.7	171,200 *
44	79.5	194.3	166,300 *
46	78.9	193.9	161,200
48	78.3	193.4	149,100
50	77.6	193.0	138,300
55	76.1	191.7	115,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
60	74.5	190.3	97,400
65	72.9	188.8	82,700
70	71.4	187.1	70,500
75	69.7	185.3	60,300
80	68.1	183.2	51,500
85	66.5	181.1	43,900
90	64.8	178.7	37,200
95	63.1	176.2	31,400
100	61.4	173.4	26,200
105	59.7	170.5	21,600
110	57.9	167.4	17,400
115	56.1	164.0	13,600
120	54.2	160.4	10,200
200 Ft. BOOM			
34	82.9	206.1	180,000 *
36	82.4	205.8	176,200 *
38	81.8	205.5	171,200 *
40	81.2	205.2	166,300 *
42	80.6	204.8	161,600 *
44	80.0	204.5	156,900 *
46	79.4	204.1	152,300 *
48	78.9	203.7	147,800 *
50	78.3	203.2	138,400
55	76.8	202.1	115,600
60	75.3	200.7	97,500
65	73.8	199.3	82,800
70	72.3	197.7	70,500
75	70.8	195.9	60,200
80	69.3	194.0	51,400
85	67.7	192.0	43,800
90	66.2	189.8	37,200
95	64.6	187.4	31,300
100	63.0	184.8	26,100
105	61.3	182.1	21,500
110	59.7	179.2	17,300
115	58.0	176.0	13,500
120	56.3	172.7	10,100

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

160 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	453,900 *
21	81.7	86.7	449,100 *
22	80.9	86.5	444,400 *
23	80.2	86.3	439,700 *
24	79.5	86.1	434,200 *
25	78.7	85.9	415,500 *
26	78.0	85.6	398,100 *
27	77.3	85.4	382,000 *
28	76.5	85.1	366,900 *
29	75.8	84.8	352,500
30	75.0	84.5	329,800
32	73.5	83.9	290,900
34	72.0	83.2	258,900
36	70.5	82.4	232,000
38	68.9	81.6	209,200
40	67.3	80.7	189,600
42	65.8	79.8	172,500
44	64.2	78.7	157,500
46	62.5	77.6	144,300
48	60.9	76.5	132,500
50	59.2	75.2	121,900
55	54.8	71.7	99,700
60	50.2	67.6	82,000
65	45.1	62.7	67,700
70	39.6	56.8	54,400 *
75	33.3	49.4	34,500 *
90 Ft. BOOM			
21	82.6	96.9	441,600 *
22	81.9	96.7	436,900 *
23	81.3	96.5	432,300 *
24	80.6	96.3	427,800 *
25	80.0	96.1	416,700 *
26	79.3	95.9	399,400 *
27	78.7	95.7	383,300 *
28	78.0	95.4	368,300 *
29	77.4	95.2	354,200 *
30	76.7	94.9	333,300
32	75.4	94.4	294,400
34	74.1	93.7	262,300
36	72.7	93.1	235,400
38	71.4	92.4	212,500
40	70.0	91.6	192,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	175,700
44	67.2	89.9	160,700
46	65.8	88.9	147,500
48	64.4	87.9	135,600
50	63.0	86.8	125,000
55	59.3	83.9	102,800
60	55.4	80.4	85,100
65	51.3	76.5	70,700
70	47.0	71.8	58,700
75	42.3	66.5	48,600
80	37.1	60.0	37,600 *
100 Ft. BOOM			
22	82.8	106.8	421,200 *
23	82.2	106.7	416,800 *
24	81.6	106.5	412,500 *
25	81.0	106.3	408,300 *
26	80.4	106.1	400,100 *
27	79.8	105.9	384,000 *
28	79.3	105.7	369,000 *
29	78.7	105.5	355,000 *
30	78.1	105.2	336,100
32	76.9	104.7	297,000
34	75.7	104.2	264,800
36	74.5	103.6	237,900
38	73.3	103.0	215,000
40	72.1	102.3	195,200
42	70.9	101.5	178,100
44	69.7	100.8	163,100
46	68.4	99.9	149,700
48	67.2	99.0	137,900
50	65.9	98.1	127,200
55	62.7	95.5	104,900
60	59.3	92.5	87,200
65	55.9	89.2	72,700
70	52.3	85.3	60,800
75	48.5	80.9	50,700
80	44.4	75.9	42,000
85	40.0	70.0	34,300 *
90	35.1	63.1	24,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	327,100 *
24	82.4	116.6	323,900 *
25	81.8	116.5	320,800 *
26	81.3	116.3	317,800 *
27	80.8	116.1	314,900 *
28	80.3	115.9	312,100 *
29	79.7	115.7	309,400 *
30	79.2	115.5	306,700 *
32	78.1	115.0	299,200
34	77.0	114.6	267,000
36	76.0	114.0	240,000
38	74.9	113.4	217,000
40	73.8	112.8	197,200
42	72.7	112.2	180,100
44	71.6	111.5	165,000
46	70.5	110.7	151,700
48	69.4	109.9	139,800
50	68.2	109.1	129,100
55	65.4	106.8	106,800
60	62.4	104.2	89,000
65	59.4	101.2	74,500
70	56.3	97.9	62,500
75	53.0	94.1	52,400
80	49.6	89.9	43,800
85	46.0	85.1	36,300
90	42.2	79.7	29,800
95	38.0	73.4	22,000 *
100	33.3	66.0	13,800 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

160 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	318,100 *
25	82.5	126.6	315,600 *
26	82.0	126.4	313,100 *
27	81.6	126.3	310,700 *
28	81.1	126.1	308,300 *
29	80.6	125.9	306,100 *
30	80.1	125.7	303,900 *
32	79.1	125.3	299,700 *
34	78.1	124.8	268,600
36	77.2	124.4	241,500
38	76.2	123.8	218,500
40	75.2	123.3	198,700
42	74.2	122.7	181,500
44	73.2	122.0	166,400
46	72.2	121.4	153,000
48	71.2	120.6	141,100
50	70.1	119.9	130,500
55	67.6	117.8	108,100
60	64.9	115.5	90,200
65	62.2	112.8	75,800
70	59.5	109.9	63,700
75	56.6	106.6	53,600
80	53.6	102.9	44,900
85	50.6	98.8	37,400
90	47.3	94.2	30,900
95	43.9	89.1	25,100
100	40.2	83.3	18,500 *
105	36.2	76.6	11,900 *
130 Ft. BOOM			
26	82.7	136.6	303,400 *
27	82.2	136.4	301,000 *
28	81.8	136.2	298,700 *
29	81.3	136.1	296,400 *
30	80.9	135.9	294,200 *
32	80.0	135.5	289,900 *
34	79.1	135.1	270,200
36	78.2	134.6	243,100
38	77.3	134.2	220,100
40	76.4	133.6	200,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
42	75.4	133.1	183,100
44	74.5	132.5	167,900
46	73.6	131.9	154,600
48	72.7	131.2	142,700
50	71.7	130.5	132,000
55	69.4	128.7	109,600
60	67.0	126.5	91,800
65	64.5	124.1	77,300
70	62.1	121.5	65,200
75	59.5	118.5	55,100
80	56.9	115.3	46,400
85	54.2	111.7	38,900
90	51.3	107.7	32,400
95	48.4	103.3	26,600
100	45.3	98.4	21,500
105	42.0	92.9	15,900 *
140 Ft. BOOM			
27	82.8	146.5	294,500 *
28	82.4	146.4	292,300 *
29	81.9	146.2	290,200 *
30	81.5	146.0	288,200 *
32	80.7	145.7	284,300 *
34	79.9	145.3	271,400
36	79.0	144.9	244,200
38	78.2	144.4	221,200
40	77.4	144.0	201,300
42	76.5	143.5	184,000
44	75.7	142.9	168,900
46	74.8	142.3	155,500
48	74.0	141.7	143,600
50	73.1	141.1	132,900
55	70.9	139.4	110,400
60	68.7	137.4	92,500
65	66.5	135.2	78,000
70	64.2	132.8	65,900
75	61.9	130.1	55,800
80	59.5	127.2	47,100
85	57.1	124.0	39,600
90	54.6	120.4	33,000
95	52.0	116.5	27,200
100	49.3	112.2	22,100
105	46.5	107.5	17,500
110	43.5	102.3	12,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	256,100 *
29	82.5	156.3	254,000 *
30	82.1	156.2	251,900 *
32	81.3	155.8	247,800 *
34	80.6	155.5	240,800 *
36	79.8	155.1	232,800 *
38	79.0	154.7	222,000
40	78.2	154.2	202,100
42	77.4	153.8	184,800
44	76.6	153.3	169,700
46	75.8	152.7	156,200
48	75.1	152.2	144,300
50	74.3	151.6	133,600
55	72.3	150.0	111,100
60	70.2	148.2	93,200
65	68.2	146.2	78,600
70	66.1	143.9	66,600
75	63.9	141.5	56,400
80	61.8	138.8	47,700
85	59.6	135.9	40,200
90	57.3	132.6	33,600
95	55.0	129.1	27,800
100	52.6	125.3	22,700
105	50.1	121.2	18,100
110	47.5	116.6	14,000

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

160 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	247,300 *
30	82.6	166.3	245,500 *
32	81.9	166.0	239,300 *
34	81.1	165.7	231,000 *
36	80.4	165.3	223,100 *
38	79.7	164.9	215,500 *
40	79.0	164.5	202,800
42	78.2	164.0	185,500
44	77.5	163.6	170,300
46	76.8	163.1	156,800
48	76.0	162.6	144,800
50	75.3	162.0	134,100
55	73.4	160.5	111,600
60	71.5	158.8	93,600
65	69.6	157.0	79,100
70	67.7	154.9	67,000
75	65.7	152.6	56,800
80	63.7	150.2	48,000
85	61.7	147.5	40,500
90	59.6	144.5	33,900
95	57.5	141.3	28,100
100	55.3	137.9	23,000
105	53.1	134.1	18,400
110	50.7	130.1	14,200
115	48.4	125.6	10,500
170 Ft. BOOM			
30	83.0	176.4	238,700 *
32	82.4	176.1	230,200 *
34	81.7	175.8	222,000 *
36	81.0	175.5	214,300 *
38	80.3	175.1	206,800 *
40	79.6	174.7	199,800 *
42	78.9	174.3	186,100
44	78.2	173.8	170,900
46	77.5	173.4	157,400
48	76.9	172.9	145,500
50	76.2	172.4	134,700
55	74.4	171.0	112,200
60	72.6	169.4	94,300
65	70.9	167.6	79,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
70	69.1	165.7	67,600
75	67.2	163.6	57,400
80	65.4	161.3	48,700
85	63.5	158.8	41,100
90	61.6	156.1	34,500
95	59.6	153.2	28,800
100	57.6	150.0	23,600
105	55.6	146.6	19,000
110	53.5	142.9	14,900
115	51.3	138.9	11,100
180 Ft. BOOM			
32	82.8	186.2	219,300 *
34	82.1	185.9	211,500 *
36	81.5	185.6	204,000 *
38	80.9	185.3	196,800 *
40	80.2	184.9	189,900 *
42	79.6	184.5	183,400 *
44	78.9	184.1	171,300
46	78.3	183.6	157,800
48	77.6	183.2	145,800
50	76.9	182.7	135,100
55	75.3	181.4	112,500
60	73.6	179.9	94,500
65	72.0	178.3	79,900
70	70.3	176.5	67,800
75	68.6	174.5	57,600
80	66.8	172.3	48,800
85	65.1	170.0	41,300
90	63.3	167.5	34,700
95	61.5	164.8	28,900
100	59.6	161.8	23,700
105	57.8	158.7	19,100
110	55.8	155.3	15,000
115	53.9	151.7	11,200
190 Ft. BOOM			
34	82.6	196.0	188,000 *
36	81.9	195.7	182,700 *
38	81.3	195.4	177,600 *
40	80.7	195.1	172,600 *
42	80.1	194.7	167,700 *
44	79.5	194.3	162,900 *
46	78.9	193.9	158,000 *
48	78.3	193.4	146,100
50	77.6	193.0	135,300
55	76.1	191.7	112,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
60	74.5	190.3	94,700
65	72.9	188.8	80,000
70	71.4	187.1	67,900
75	69.7	185.3	57,700
80	68.1	183.2	48,900
85	66.5	181.1	41,400
90	64.8	178.7	34,800
95	63.1	176.2	28,900
100	61.4	173.4	23,800
105	59.7	170.5	19,200
110	57.9	167.4	15,000
115	56.1	164.0	11,300
200 Ft. BOOM			
34	82.9	206.1	177,800 *
36	82.4	205.8	172,700 *
38	81.8	205.5	167,700 *
40	81.2	205.2	162,800 *
42	80.6	204.8	158,100 *
44	80.0	204.5	153,500 *
46	79.4	204.1	148,800 *
48	78.9	203.7	144,300 *
50	78.3	203.2	135,500
55	76.8	202.1	112,800
60	75.3	200.7	94,800
65	73.8	199.3	80,100
70	72.3	197.7	67,900
75	70.8	195.9	57,700
80	69.3	194.0	48,900
85	67.7	192.0	41,300
90	66.2	189.8	34,700
95	64.6	187.4	28,900
100	63.0	184.8	23,700
105	61.3	182.1	19,100
110	59.7	179.2	15,000
115	58.0	176.0	11,200



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

170 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	448,600 *
21	81.7	86.7	443,600 *
22	80.9	86.5	438,700 *
23	80.2	86.3	434,000 *
24	79.5	86.1	429,300 *
25	78.7	85.9	412,400 *
26	78.0	85.6	395,100 *
27	77.3	85.4	378,900 *
28	76.5	85.1	363,900 *
29	75.8	84.8	347,500
30	75.0	84.5	324,900
32	73.5	83.9	286,200
34	72.0	83.2	254,400
36	70.5	82.4	227,700
38	68.9	81.6	205,100
40	67.3	80.7	185,600
42	65.8	79.8	168,600
44	64.2	78.7	153,700
46	62.5	77.6	140,600
48	60.9	76.5	128,800
50	59.2	75.2	118,300
55	54.8	71.7	96,200
60	50.2	67.6	78,700
65	45.1	62.7	64,500
70	39.6	56.8	50,500 *
75	33.3	49.4	30,600 *
90 Ft. BOOM			
21	82.6	96.9	435,900 *
22	81.9	96.7	431,000 *
23	81.3	96.5	426,200 *
24	80.6	96.3	421,600 *
25	80.0	96.1	413,800 *
26	79.3	95.9	396,500 *
27	78.7	95.7	380,400 *
28	78.0	95.4	365,400 *
29	77.4	95.2	351,300 *
30	76.7	94.9	328,700
32	75.4	94.4	289,900
34	74.1	93.7	258,000
36	72.7	93.1	231,300
38	71.4	92.4	208,600
40	70.0	91.6	189,000
42	68.6	90.8	172,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
44	67.2	89.9	157,100
46	65.8	88.9	143,900
48	64.4	87.9	132,200
50	63.0	86.8	121,700
55	59.3	83.9	99,500
60	55.4	80.4	82,000
65	51.3	76.5	67,700
70	47.0	71.8	55,800
75	42.3	66.5	45,800
80	37.1	60.0	34,000 *
100 Ft. BOOM			
22	82.8	106.8	415,800 *
23	82.2	106.7	411,300 *
24	81.6	106.5	406,900 *
25	81.0	106.3	402,700 *
26	80.4	106.1	397,300 *
27	79.8	105.9	381,200 *
28	79.3	105.7	366,300 *
29	78.7	105.5	352,200 *
30	78.1	105.2	331,700
32	76.9	104.7	292,800
34	75.7	104.2	260,800
36	74.5	103.6	234,000
38	73.3	103.0	211,200
40	72.1	102.3	191,600
42	70.9	101.5	174,600
44	69.7	100.8	159,600
46	68.4	99.9	146,400
48	67.2	99.0	134,600
50	65.9	98.1	124,100
55	62.7	95.5	101,900
60	59.3	92.5	84,300
65	55.9	89.2	69,900
70	52.3	85.3	58,000
75	48.5	80.9	48,000
80	44.4	75.9	39,400
85	40.0	70.0	31,000 *
90	35.1	63.1	20,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	323,600 *
24	82.4	116.6	320,400 *
25	81.8	116.5	317,300 *
26	81.3	116.3	314,300 *
27	80.8	116.1	311,300 *
28	80.3	115.9	308,500 *
29	79.7	115.7	305,700 *
30	79.2	115.5	303,000 *
32	78.1	115.0	295,200
34	77.0	114.6	263,100
36	76.0	114.0	236,300
38	74.9	113.4	213,400
40	73.8	112.8	193,800
42	72.7	112.2	176,700
44	71.6	111.5	161,700
46	70.5	110.7	148,500
48	69.4	109.9	136,700
50	68.2	109.1	126,100
55	65.4	106.8	103,900
60	62.4	104.2	86,200
65	59.4	101.2	71,800
70	56.3	97.9	59,900
75	53.0	94.1	49,900
80	49.6	89.9	41,300
85	46.0	85.1	33,900
90	42.2	79.7	27,100 *
95	38.0	73.4	19,000 *
100	33.3	66.0	10,800 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

170 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	315,900 *
25	82.5	126.6	313,300 *
26	82.0	126.4	310,800 *
27	81.6	126.3	308,400 *
28	81.1	126.1	306,000 *
29	80.6	125.9	303,700 *
30	80.1	125.7	301,500 *
32	79.1	125.3	297,000
34	78.1	124.8	264,900
36	77.2	124.4	238,000
38	76.2	123.8	215,100
40	75.2	123.3	195,400
42	74.2	122.7	178,300
44	73.2	122.0	163,300
46	72.2	121.4	150,000
48	71.2	120.6	138,200
50	70.1	119.9	127,600
55	67.6	117.8	105,300
60	64.9	115.5	87,600
65	62.2	112.8	73,200
70	59.5	109.9	61,200
75	56.6	106.6	51,200
80	53.6	102.9	42,600
85	50.6	98.8	35,100
90	47.3	94.2	28,600
95	43.9	89.1	22,900
100	40.2	83.3	15,700 *
130 Ft. BOOM			
26	82.7	136.6	300,200 *
27	82.2	136.4	297,800 *
28	81.8	136.2	295,400 *
29	81.3	136.1	293,100 *
30	80.9	135.9	290,800 *
32	80.0	135.5	286,500 *
34	79.1	135.1	266,600
36	78.2	134.6	239,700
38	77.3	134.2	216,800
40	76.4	133.6	197,100
42	75.4	133.1	180,000
44	74.5	132.5	164,900
46	73.6	131.9	151,700
48	72.7	131.2	139,800
50	71.7	130.5	129,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
55	69.4	128.7	106,900
60	67.0	126.5	89,200
65	64.5	124.1	74,800
70	62.1	121.5	62,800
75	59.5	118.5	52,800
80	56.9	115.3	44,200
85	54.2	111.7	36,700
90	51.3	107.7	30,200
95	48.4	103.3	24,500
100	45.3	98.4	19,400
105	42.0	92.9	13,200 *
140 Ft. BOOM			
27	82.8	146.5	291,300 *
28	82.4	146.4	289,200 *
29	81.9	146.2	287,000 *
30	81.5	146.0	285,000 *
32	80.7	145.7	281,000 *
34	79.9	145.3	267,900
36	79.0	144.9	240,900
38	78.2	144.4	218,000
40	77.4	144.0	198,200
42	76.5	143.5	181,100
44	75.7	142.9	166,000
46	74.8	142.3	152,700
48	74.0	141.7	140,800
50	73.1	141.1	130,200
55	70.9	139.4	107,800
60	68.7	137.4	90,100
65	66.5	135.2	75,600
70	64.2	132.8	63,600
75	61.9	130.1	53,500
80	59.5	127.2	44,900
85	57.1	124.0	37,400
90	54.6	120.4	30,900
95	52.0	116.5	25,200
100	49.3	112.2	20,100
105	46.5	107.5	15,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	253,100 *
29	82.5	156.3	250,900 *
30	82.1	156.2	248,800 *
32	81.3	155.8	244,600 *
34	80.6	155.5	237,300 *
36	79.8	155.1	229,300 *
38	79.0	154.7	218,900
40	78.2	154.2	199,100
42	77.4	153.8	181,900
44	76.6	153.3	166,900
46	75.8	152.7	153,500
48	75.1	152.2	141,600
50	74.3	151.6	131,000
55	72.3	150.0	108,600
60	70.2	148.2	90,800
65	68.2	146.2	76,400
70	66.1	143.9	64,400
75	63.9	141.5	54,200
80	61.8	138.8	45,600
85	59.6	135.9	38,100
90	57.3	132.6	31,600
95	55.0	129.1	25,800
100	52.6	125.3	20,700
105	50.1	121.2	16,200
110	47.5	116.6	12,100 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

170 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	244,300 *
30	82.6	166.3	242,500 *
32	81.9	166.0	235,800 *
34	81.1	165.7	227,500 *
36	80.4	165.3	219,600 *
38	79.7	164.9	212,000 *
40	79.0	164.5	199,900
42	78.2	164.0	182,600
44	77.5	163.6	167,500
46	76.8	163.1	154,200
48	76.0	162.6	142,200
50	75.3	162.0	131,600
55	73.4	160.5	109,100
60	71.5	158.8	91,300
65	69.6	157.0	76,800
70	67.7	154.9	64,800
75	65.7	152.6	54,700
80	63.7	150.2	46,000
85	61.7	147.5	38,500
90	59.6	144.5	32,000
95	57.5	141.3	26,200
100	55.3	137.9	21,100
105	53.1	134.1	16,500
110	50.7	130.1	12,400
170 Ft. BOOM			
30	83.0	176.4	235,100 *
32	82.4	176.1	226,600 *
34	81.7	175.8	218,500 *
36	81.0	175.5	210,800 *
38	80.3	175.1	203,400 *
40	79.6	174.7	196,300 *
42	78.9	174.3	183,300
44	78.2	173.8	168,200
46	77.5	173.4	154,800
48	76.9	172.9	142,900
50	76.2	172.4	132,200
55	74.4	171.0	109,800
60	72.6	169.4	92,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
65	70.9	167.6	77,500
70	69.1	165.7	65,500
75	67.2	163.6	55,400
80	65.4	161.3	46,700
85	63.5	158.8	39,200
90	61.6	156.1	32,700
95	59.6	153.2	26,900
100	57.6	150.0	21,800
105	55.6	146.6	17,200
110	53.5	142.9	13,100
180 Ft. BOOM			
32	82.8	186.2	215,800 *
34	82.1	185.9	208,000 *
36	81.5	185.6	200,500 *
38	80.9	185.3	193,300 *
40	80.2	184.9	186,500 *
42	79.6	184.5	179,900 *
44	78.9	184.1	168,700
46	78.3	183.6	155,300
48	77.6	183.2	143,400
50	76.9	182.7	132,700
55	75.3	181.4	110,200
60	73.6	179.9	92,300
65	72.0	178.3	77,800
70	70.3	176.5	65,700
75	68.6	174.5	55,600
80	66.8	172.3	46,900
85	65.1	170.0	39,400
90	63.3	167.5	32,800
95	61.5	164.8	27,100
100	59.6	161.8	21,900
105	57.8	158.7	17,400
110	55.8	155.3	13,300
190 Ft. BOOM			
34	82.6	196.0	184,900 *
36	81.9	195.7	179,600 *
38	81.3	195.4	174,500 *
40	80.7	195.1	169,500 *
42	80.1	194.7	164,600 *
44	79.5	194.3	159,700 *
46	78.9	193.9	154,800 *
48	78.3	193.4	143,600
50	77.6	193.0	132,900
55	76.1	191.7	110,400
60	74.5	190.3	92,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
65	72.9	188.8	78,000
70	71.4	187.1	65,900
75	69.7	185.3	55,700
80	68.1	183.2	47,100
85	66.5	181.1	39,500
90	64.8	178.7	33,000
95	63.1	176.2	27,200
100	61.4	173.4	22,100
105	59.7	170.5	17,500
110	57.9	167.4	13,400
200 Ft. BOOM			
34	82.9	206.1	174,600 *
36	82.4	205.8	169,500 *
38	81.8	205.5	164,600 *
40	81.2	205.2	159,700 *
42	80.6	204.8	155,000 *
44	80.0	204.5	150,400 *
46	79.4	204.1	145,700 *
48	78.9	203.7	141,100 *
50	78.3	203.2	133,100
55	76.8	202.1	110,600
60	75.3	200.7	92,700
65	73.8	199.3	78,100
70	72.3	197.7	66,000
75	70.8	195.9	55,800
80	69.3	194.0	47,100
85	67.7	192.0	39,600
90	66.2	189.8	33,000
95	64.6	187.4	27,200
100	63.0	184.8	22,100
105	61.3	182.1	17,500
110	59.7	179.2	13,300

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

180 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	441,700 *
21	81.7	86.7	436,600 *
22	80.9	86.5	431,500 *
23	80.2	86.3	426,600 *
24	79.5	86.1	421,800 *
25	78.7	85.9	408,500 *
26	78.0	85.6	391,200 *
27	77.3	85.4	375,100 *
28	76.5	85.1	360,000 *
29	75.8	84.8	341,500
30	75.0	84.5	319,000
32	73.5	83.9	280,600
34	72.0	83.2	248,900
36	70.5	82.4	222,400
38	68.9	81.6	199,900
40	67.3	80.7	180,500
42	65.8	79.8	163,600
44	64.2	78.7	148,900
46	62.5	77.6	135,800
48	60.9	76.5	124,100
50	59.2	75.2	113,700
55	54.8	71.7	91,800
60	50.2	67.6	74,300
65	45.1	62.7	60,200
70	39.6	56.8	45,100 *
75	33.3	49.4	25,400 *
90 Ft. BOOM			
21	82.6	96.9	430,200 *
22	81.9	96.7	425,200 *
23	81.3	96.5	420,300 *
24	80.6	96.3	415,600 *
25	80.0	96.1	410,100 *
26	79.3	95.9	392,800 *
27	78.7	95.7	376,700 *
28	78.0	95.4	361,700 *
29	77.4	95.2	345,700
30	76.7	94.9	323,100
32	75.4	94.4	284,600
34	74.1	93.7	252,900
36	72.7	93.1	226,300
38	71.4	92.4	203,700
40	70.0	91.6	184,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	167,400
44	67.2	89.9	152,600
46	65.8	88.9	139,500
48	64.4	87.9	127,800
50	63.0	86.8	117,300
55	59.3	83.9	95,300
60	55.4	80.4	77,900
65	51.3	76.5	63,700
70	47.0	71.8	51,900
75	42.3	66.5	41,800 *
80	37.1	60.0	29,200 *
100 Ft. BOOM			
22	82.8	106.8	410,600 *
23	82.2	106.7	406,000 *
24	81.6	106.5	401,500 *
25	81.0	106.3	397,100 *
26	80.4	106.1	392,800 *
27	79.8	105.9	377,700 *
28	79.3	105.7	362,700 *
29	78.7	105.5	348,700 *
30	78.1	105.2	326,400
32	76.9	104.7	287,700
34	75.7	104.2	255,900
36	74.5	103.6	229,300
38	73.3	103.0	206,600
40	72.1	102.3	187,100
42	70.9	101.5	170,200
44	69.7	100.8	155,300
46	68.4	99.9	142,200
48	67.2	99.0	130,500
50	65.9	98.1	119,900
55	62.7	95.5	97,900
60	59.3	92.5	80,400
65	55.9	89.2	66,100
70	52.3	85.3	54,300
75	48.5	80.9	44,300
80	44.4	75.9	35,800
85	40.0	70.0	26,400 *
90	35.1	63.1	16,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	320,200 *
24	82.4	116.6	317,000 *
25	81.8	116.5	313,800 *
26	81.3	116.3	310,800 *
27	80.8	116.1	307,800 *
28	80.3	115.9	304,900 *
29	79.7	115.7	302,100 *
30	79.2	115.5	299,400 *
32	78.1	115.0	290,300
34	77.0	114.6	258,400
36	76.0	114.0	231,700
38	74.9	113.4	209,000
40	73.8	112.8	189,500
42	72.7	112.2	172,500
44	71.6	111.5	157,600
46	70.5	110.7	144,400
48	69.4	109.9	132,700
50	68.2	109.1	122,200
55	65.4	106.8	100,100
60	62.4	104.2	82,500
65	59.4	101.2	68,200
70	56.3	97.9	56,400
75	53.0	94.1	46,400
80	49.6	89.9	37,900
85	46.0	85.1	30,500
90	42.2	79.7	22,800 *
95	38.0	73.4	14,800 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

**Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating**

**Meets
ANSI B30.5
Requirements**

180 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	312,700 *
25	82.5	126.6	310,100 *
26	82.0	126.4	307,500 *
27	81.6	126.3	305,000 *
28	81.1	126.1	302,600 *
29	80.6	125.9	300,300 *
30	80.1	125.7	298,100 *
32	79.1	125.3	292,300
34	78.1	124.8	260,400
36	77.2	124.4	233,600
38	76.2	123.8	210,800
40	75.2	123.3	191,300
42	74.2	122.7	174,300
44	73.2	122.0	159,300
46	72.2	121.4	146,100
48	71.2	120.6	134,300
50	70.1	119.9	123,800
55	67.6	117.8	101,600
60	64.9	115.5	84,100
65	62.2	112.8	69,700
70	59.5	109.9	57,900
75	56.6	106.6	47,800
80	53.6	102.9	39,300
85	50.6	98.8	31,900
90	47.3	94.2	25,400
95	43.9	89.1	18,800 *
100	40.2	83.3	11,600 *
130 Ft. BOOM			
26	82.7	136.6	297,000 *
27	82.2	136.4	294,500 *
28	81.8	136.2	292,100 *
29	81.3	136.1	289,800 *
30	80.9	135.9	287,500 *
32	80.0	135.5	283,100 *
34	79.1	135.1	262,200
36	78.2	134.6	235,400
38	77.3	134.2	212,700
40	76.4	133.6	193,100
42	75.4	133.1	176,100
44	74.5	132.5	161,100
46	73.6	131.9	147,900
48	72.7	131.2	136,100
50	71.7	130.5	125,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
55	69.4	128.7	103,400
60	67.0	126.5	85,800
65	64.5	124.1	71,500
70	62.1	121.5	59,600
75	59.5	118.5	49,600
80	56.9	115.3	41,000
85	54.2	111.7	33,600
90	51.3	107.7	27,200
95	48.4	103.3	21,500
100	45.3	98.4	15,800 *
140 Ft. BOOM			
27	82.8	146.5	288,200 *
28	82.4	146.4	286,000 *
29	81.9	146.2	283,900 *
30	81.5	146.0	281,800 *
32	80.7	145.7	277,800 *
34	79.9	145.3	263,600
36	79.0	144.9	236,800
38	78.2	144.4	214,000
40	77.4	144.0	194,300
42	76.5	143.5	177,300
44	75.7	142.9	162,300
46	74.8	142.3	149,000
48	74.0	141.7	137,200
50	73.1	141.1	126,600
55	70.9	139.4	104,400
60	68.7	137.4	86,800
65	66.5	135.2	72,400
70	64.2	132.8	60,500
75	61.9	130.1	50,500
80	59.5	127.2	41,900
85	57.1	124.0	34,500
90	54.6	120.4	28,000
95	52.0	116.5	22,300
100	49.3	112.2	17,200
105	46.5	107.5	12,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	250,000 *
29	82.5	156.3	247,800 *
30	82.1	156.2	245,700 *
32	81.3	155.8	241,500 *
34	80.6	155.5	233,900 *
36	79.8	155.1	225,900 *
38	79.0	154.7	215,000
40	78.2	154.2	195,300
42	77.4	153.8	178,200
44	76.6	153.3	163,200
46	75.8	152.7	150,000
48	75.1	152.2	138,100
50	74.3	151.6	127,500
55	72.3	150.0	105,300
60	70.2	148.2	87,600
65	68.2	146.2	73,200
70	66.1	143.9	61,300
75	63.9	141.5	51,200
80	61.8	138.8	42,700
85	59.6	135.9	35,200
90	57.3	132.6	28,700
95	55.0	129.1	23,000
100	52.6	125.3	18,000
105	50.1	121.2	13,400

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

180 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	241,400 *
30	82.6	166.3	239,500 *
32	81.9	166.0	232,400 *
34	81.1	165.7	224,100 *
36	80.4	165.3	216,200 *
38	79.7	164.9	208,600 *
40	79.0	164.5	196,200
42	78.2	164.0	179,000
44	77.5	163.6	164,000
46	76.8	163.1	150,700
48	76.0	162.6	138,900
50	75.3	162.0	128,200
55	73.4	160.5	105,900
60	71.5	158.8	88,200
65	69.6	157.0	73,800
70	67.7	154.9	61,800
75	65.7	152.6	51,800
80	63.7	150.2	43,200
85	61.7	147.5	35,700
90	59.6	144.5	29,200
95	57.5	141.3	23,500
100	55.3	137.9	18,400
105	53.1	134.1	13,900
170 Ft. BOOM			
30	83.0	176.4	231,700 *
32	82.4	176.1	223,200 *
34	81.7	175.8	215,100 *
36	81.0	175.5	207,400 *
38	80.3	175.1	200,000 *
40	79.6	174.7	192,900 *
42	78.9	174.3	179,800
44	78.2	173.8	164,800
46	77.5	173.4	151,500
48	76.9	172.9	139,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
50	76.2	172.4	129,000
55	74.4	171.0	106,700
60	72.6	169.4	89,000
65	70.9	167.6	74,600
70	69.1	165.7	62,600
75	67.2	163.6	52,500
80	65.4	161.3	43,900
85	63.5	158.8	36,500
90	61.6	156.1	30,000
95	59.6	153.2	24,200
100	57.6	150.0	19,200
105	55.6	146.6	14,600
110	53.5	142.9	10,500
180 Ft. BOOM			
32	82.8	186.2	212,300 *
34	82.1	185.9	204,600 *
36	81.5	185.6	197,100 *
38	80.9	185.3	189,900 *
40	80.2	184.9	183,100 *
42	79.6	184.5	176,600 *
44	78.9	184.1	165,300
46	78.3	183.6	152,000
48	77.6	183.2	140,100
50	76.9	182.7	129,500
55	75.3	181.4	107,100
60	73.6	179.9	89,400
65	72.0	178.3	74,900
70	70.3	176.5	62,900
75	68.6	174.5	52,800
80	66.8	172.3	44,200
85	65.1	170.0	36,700
90	63.3	167.5	30,200
95	61.5	164.8	24,500
100	59.6	161.8	19,400
105	57.8	158.7	14,800
110	55.8	155.3	10,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	181,800 *
36	81.9	195.7	176,500 *
38	81.3	195.4	171,400 *
40	80.7	195.1	166,500 *
42	80.1	194.7	161,600 *
44	79.5	194.3	156,600 *
46	78.9	193.9	151,700 *
48	78.3	193.4	140,500
50	77.6	193.0	129,800
55	76.1	191.7	107,400
60	74.5	190.3	89,600
65	72.9	188.8	75,200
70	71.4	187.1	63,200
75	69.7	185.3	53,000
80	68.1	183.2	44,400
85	66.5	181.1	36,900
90	64.8	178.7	30,400
95	63.1	176.2	24,700
100	61.4	173.4	19,600
105	59.7	170.5	15,000
110	57.9	167.4	10,900



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

190 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	435,000 *
21	81.7	86.7	429,700 *
22	80.9	86.5	424,400 *
23	80.2	86.3	419,300 *
24	79.5	86.1	414,400 *
25	78.7	85.9	404,700 *
26	78.0	85.6	387,400 *
27	77.3	85.4	371,200 *
28	76.5	85.1	356,200 *
29	75.8	84.8	335,400
30	75.0	84.5	313,100
32	73.5	83.9	274,900
34	72.0	83.2	243,500
36	70.5	82.4	217,100
38	68.9	81.6	194,800
40	67.3	80.7	175,500
42	65.8	79.8	158,800
44	64.2	78.7	144,100
46	62.5	77.6	131,100
48	60.9	76.5	119,500
50	59.2	75.2	109,100
55	54.8	71.7	87,400
60	50.2	67.6	70,100
65	45.1	62.7	56,100
70	39.6	56.8	40,000 *
75	33.3	49.4	20,400 *
90 Ft. BOOM			
21	82.6	96.9	423,900 *
22	81.9	96.7	418,800 *
23	81.3	96.5	413,800 *
24	80.6	96.3	408,900 *
25	80.0	96.1	404,200 *
26	79.3	95.9	389,100 *
27	78.7	95.7	373,100 *
28	78.0	95.4	358,100 *
29	77.4	95.2	339,900
30	76.7	94.9	317,500
32	75.4	94.4	279,200
34	74.1	93.7	247,700
36	72.7	93.1	221,300
38	71.4	92.4	198,900
40	70.0	91.6	179,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	162,800
44	67.2	89.9	148,100
46	65.8	88.9	135,100
48	64.4	87.9	123,500
50	63.0	86.8	113,100
55	59.3	83.9	91,200
60	55.4	80.4	73,900
65	51.3	76.5	59,800
70	47.0	71.8	48,100
75	42.3	66.5	37,100 *
80	37.1	60.0	24,500 *
100 Ft. BOOM			
22	82.8	106.8	404,700 *
23	82.2	106.7	400,000 *
24	81.6	106.5	395,400 *
25	81.0	106.3	390,900 *
26	80.4	106.1	386,500 *
27	79.8	105.9	374,200 *
28	79.3	105.7	359,200 *
29	78.7	105.5	343,500
30	78.1	105.2	321,000
32	76.9	104.7	282,600
34	75.7	104.2	251,000
36	74.5	103.6	224,500
38	73.3	103.0	202,000
40	72.1	102.3	182,700
42	70.9	101.5	165,800
44	69.7	100.8	151,100
46	68.4	99.9	138,000
48	67.2	99.0	126,400
50	65.9	98.1	115,900
55	62.7	95.5	94,000
60	59.3	92.5	76,600
65	55.9	89.2	62,500
70	52.3	85.3	50,700
75	48.5	80.9	40,900
80	44.4	75.9	32,200 *
85	40.0	70.0	22,100 *
90	35.1	63.1	12,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	316,500 *
24	82.4	116.6	313,200 *
25	81.8	116.5	310,000 *
26	81.3	116.3	306,900 *
27	80.8	116.1	303,800 *
28	80.3	115.9	300,900 *
29	79.7	115.7	298,000 *
30	79.2	115.5	295,300 *
32	78.1	115.0	285,400
34	77.0	114.6	253,700
36	76.0	114.0	227,200
38	74.9	113.4	204,600
40	73.8	112.8	185,200
42	72.7	112.2	168,400
44	71.6	111.5	153,500
46	70.5	110.7	140,500
48	69.4	109.9	128,800
50	68.2	109.1	118,300
55	65.4	106.8	96,400
60	62.4	104.2	79,000
65	59.4	101.2	64,800
70	56.3	97.9	53,000
75	53.0	94.1	43,100
80	49.6	89.9	34,600
85	46.0	85.1	27,300
90	42.2	79.7	18,700 *
95	38.0	73.4	10,700 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

190 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	309,600 *
25	82.5	126.6	306,900 *
26	82.0	126.4	304,400 *
27	81.6	126.3	301,900 *
28	81.1	126.1	299,500 *
29	80.6	125.9	297,100 *
30	80.1	125.7	294,800 *
32	79.1	125.3	287,600
34	78.1	124.8	255,800
36	77.2	124.4	229,200
38	76.2	123.8	206,600
40	75.2	123.3	187,200
42	74.2	122.7	170,300
44	73.2	122.0	155,400
46	72.2	121.4	142,300
48	71.2	120.6	130,600
50	70.1	119.9	120,100
55	67.6	117.8	98,100
60	64.9	115.5	80,600
65	62.2	112.8	66,400
70	59.5	109.9	54,600
75	56.6	106.6	44,700
80	53.6	102.9	36,200
85	50.6	98.8	28,900
90	47.3	94.2	22,500
95	43.9	89.1	15,000 *
130 Ft. BOOM			
26	82.7	136.6	297,000 *
27	82.2	136.4	294,500 *
28	81.8	136.2	292,100 *
29	81.3	136.1	289,700 *
30	80.9	135.9	287,500 *
32	80.0	135.5	283,100 *
34	79.1	135.1	257,800
36	78.2	134.6	231,200
38	77.3	134.2	208,600
40	76.4	133.6	189,100
42	75.4	133.1	172,200
44	74.5	132.5	157,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
46	73.6	131.9	144,200
48	72.7	131.2	132,500
50	71.7	130.5	122,000
55	69.4	128.7	100,000
60	67.0	126.5	82,500
65	64.5	124.1	68,300
70	62.1	121.5	56,500
75	59.5	118.5	46,500
80	56.9	115.3	38,000
85	54.2	111.7	30,700
90	51.3	107.7	24,300
95	48.4	103.3	18,700
100	45.3	98.4	12,200 *
140 Ft. BOOM			
27	82.8	146.5	284,800 *
28	82.4	146.4	282,500 *
29	81.9	146.2	280,400 *
30	81.5	146.0	278,300 *
32	80.7	145.7	274,200 *
34	79.9	145.3	259,300
36	79.0	144.9	232,700
38	78.2	144.4	210,000
40	77.4	144.0	190,500
42	76.5	143.5	173,500
44	75.7	142.9	158,600
46	74.8	142.3	145,500
48	74.0	141.7	133,700
50	73.1	141.1	123,200
55	70.9	139.4	101,200
60	68.7	137.4	83,600
65	66.5	135.2	69,300
70	64.2	132.8	57,500
75	61.9	130.1	47,500
80	59.5	127.2	39,000
85	57.1	124.0	31,600
90	54.6	120.4	25,200
95	52.0	116.5	19,600
100	49.3	112.2	14,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	246,600 *
29	82.5	156.3	244,400 *
30	82.1	156.2	242,300 *
32	81.3	155.8	238,100 *
34	80.6	155.5	230,100 *
36	79.8	155.1	222,100 *
38	79.0	154.7	211,100
40	78.2	154.2	191,600
42	77.4	153.8	174,600
44	76.6	153.3	159,700
46	75.8	152.7	146,500
48	75.1	152.2	134,800
50	74.3	151.6	124,200
55	72.3	150.0	102,100
60	70.2	148.2	84,600
65	68.2	146.2	70,300
70	66.1	143.9	58,400
75	63.9	141.5	48,400
80	61.8	138.8	39,900
85	59.6	135.9	32,500
90	57.3	132.6	26,100
95	55.0	129.1	20,400
100	52.6	125.3	15,400
105	50.1	121.2	10,900



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

190 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	238,100 *
30	82.6	166.3	236,200 *
32	81.9	166.0	228,600 *
34	81.1	165.7	220,300 *
36	80.4	165.3	212,400 *
38	79.7	164.9	204,900 *
40	79.0	164.5	192,500
42	78.2	164.0	175,500
44	77.5	163.6	160,600
46	76.8	163.1	147,300
48	76.0	162.6	135,600
50	75.3	162.0	125,000
55	73.4	160.5	102,800
60	71.5	158.8	85,200
65	69.6	157.0	70,900
70	67.7	154.9	59,000
75	65.7	152.6	49,000
80	63.7	150.2	40,500
85	61.7	147.5	33,100
90	59.6	144.5	26,600
95	57.5	141.3	20,900
100	55.3	137.9	15,900
105	53.1	134.1	11,400
170 Ft. BOOM			
30	83.0	176.4	227,800 *
32	82.4	176.1	219,400 *
34	81.7	175.8	211,300 *
36	81.0	175.5	203,600 *
38	80.3	175.1	196,200 *
40	79.6	174.7	189,200 *
42	78.9	174.3	176,300
44	78.2	173.8	161,400
46	77.5	173.4	148,200
48	76.9	172.9	136,400
50	76.2	172.4	125,800
55	74.4	171.0	103,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
60	72.6	169.4	86,100
65	70.9	167.6	71,800
70	69.1	165.7	59,900
75	67.2	163.6	49,900
80	65.4	161.3	41,300
85	63.5	158.8	33,900
90	61.6	156.1	27,400
95	59.6	153.2	21,800
100	57.6	150.0	16,700
105	55.6	146.6	12,200
180 Ft. BOOM			
32	82.8	186.2	208,500 *
34	82.1	185.9	200,700 *
36	81.5	185.6	193,300 *
38	80.9	185.3	186,200 *
40	80.2	184.9	179,400 *
42	79.6	184.5	172,900 *
44	78.9	184.1	162,000
46	78.3	183.6	148,800
48	77.6	183.2	137,000
50	76.9	182.7	126,400
55	75.3	181.4	104,200
60	73.6	179.9	86,500
65	72.0	178.3	72,200
70	70.3	176.5	60,300
75	68.6	174.5	50,200
80	66.8	172.3	41,600
85	65.1	170.0	34,200
90	63.3	167.5	27,700
95	61.5	164.8	22,000
100	59.6	161.8	17,000
105	57.8	158.7	12,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	178,400 *
36	81.9	195.7	173,100 *
38	81.3	195.4	168,100 *
40	80.7	195.1	163,100 *
42	80.1	194.7	158,100 *
44	79.5	194.3	153,100 *
46	78.9	193.9	148,200 *
48	78.3	193.4	137,400
50	77.6	193.0	126,800
55	76.1	191.7	104,500
60	74.5	190.3	86,900
65	72.9	188.8	72,500
70	71.4	187.1	60,600
75	69.7	185.3	50,500
80	68.1	183.2	41,900
85	66.5	181.1	34,500
90	64.8	178.7	28,000
95	63.1	176.2	22,300
100	61.4	173.4	17,200
105	59.7	170.5	12,700

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

**Meets
ANSI B30.5
Requirements**

200 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	427,600 *
21	81.7	86.7	422,100 *
22	80.9	86.5	416,700 *
23	80.2	86.3	411,400 *
24	79.5	86.1	406,300 *
25	78.7	85.9	400,500 *
26	78.0	85.6	383,200 *
27	77.3	85.4	367,100 *
28	76.5	85.1	352,100 *
29	75.8	84.8	329,000
30	75.0	84.5	306,800
32	73.5	83.9	268,800
34	72.0	83.2	237,600
36	70.5	82.4	211,400
38	68.9	81.6	189,200
40	67.3	80.7	170,100
42	65.8	79.8	153,500
44	64.2	78.7	138,900
46	62.5	77.6	126,000
48	60.9	76.5	114,500
50	59.2	75.2	104,200
55	54.8	71.7	82,600
60	50.2	67.6	65,400
65	45.1	62.7	51,100 *
70	39.6	56.8	34,300 *
75	33.3	49.4	14,800 *
90 Ft. BOOM			
21	82.6	96.9	416,900 *
22	81.9	96.7	411,700 *
23	81.3	96.5	406,500 *
24	80.6	96.3	401,500 *
25	80.0	96.1	396,700 *
26	79.3	95.9	385,200 *
27	78.7	95.7	369,100 *
28	78.0	95.4	354,200 *
29	77.4	95.2	333,800
30	76.7	94.9	311,500
32	75.4	94.4	273,500
34	74.1	93.7	242,200
36	72.7	93.1	216,000
38	71.4	92.4	193,700
40	70.0	91.6	174,500
42	68.6	90.8	157,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
44	67.2	89.9	143,200
46	65.8	88.9	130,300
48	64.4	87.9	118,700
50	63.0	86.8	108,400
55	59.3	83.9	86,700
60	55.4	80.4	69,500
65	51.3	76.5	55,500
70	47.0	71.8	43,900
75	42.3	66.5	31,800 *
80	37.1	60.0	19,300 *
100 Ft. BOOM			
22	82.8	106.8	398,200 *
23	82.2	106.7	393,400 *
24	81.6	106.5	388,700 *
25	81.0	106.3	384,100 *
26	80.4	106.1	379,600 *
27	79.8	105.9	370,400 *
28	79.3	105.7	355,500 *
29	78.7	105.5	337,600
30	78.1	105.2	315,300
32	76.9	104.7	277,200
34	75.7	104.2	245,700
36	74.5	103.6	219,400
38	73.3	103.0	197,100
40	72.1	102.3	177,800
42	70.9	101.5	161,100
44	69.7	100.8	146,400
46	68.4	99.9	133,500
48	67.2	99.0	121,900
50	65.9	98.1	111,500
55	62.7	95.5	89,800
60	59.3	92.5	72,500
65	55.9	89.2	58,400
70	52.3	85.3	46,800
75	48.5	80.9	37,000
80	44.4	75.9	27,300 *
85	40.0	70.0	17,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	312,200 *
24	82.4	116.6	308,900 *
25	81.8	116.5	305,700 *
26	81.3	116.3	302,500 *
27	80.8	116.1	299,400 *
28	80.3	115.9	296,400 *
29	79.7	115.7	293,500 *
30	79.2	115.5	290,700 *
32	78.1	115.0	280,100
34	77.0	114.6	248,600
36	76.0	114.0	222,300
38	74.9	113.4	199,900
40	73.8	112.8	180,600
42	72.7	112.2	163,800
44	71.6	111.5	149,100
46	70.5	110.7	136,100
48	69.4	109.9	124,500
50	68.2	109.1	114,100
55	65.4	106.8	92,300
60	62.4	104.2	75,000
65	59.4	101.2	60,900
70	56.3	97.9	49,300
75	53.0	94.1	39,400
80	49.6	89.9	31,000
85	46.0	85.1	23,100 *
90	42.2	79.7	14,200 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

200 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	306,100 *
25	82.5	126.6	303,400 *
26	82.0	126.4	300,800 *
27	81.6	126.3	298,300 *
28	81.1	126.1	295,800 *
29	80.6	125.9	293,400 *
30	80.1	125.7	291,100 *
32	79.1	125.3	282,500
34	78.1	124.8	251,000
36	77.2	124.4	224,500
38	76.2	123.8	202,100
40	75.2	123.3	182,700
42	74.2	122.7	165,900
44	73.2	122.0	151,200
46	72.2	121.4	138,100
48	71.2	120.6	126,500
50	70.1	119.9	116,100
55	67.6	117.8	94,200
60	64.9	115.5	76,900
65	62.2	112.8	62,800
70	59.5	109.9	51,000
75	56.6	106.6	41,200
80	53.6	102.9	32,700
85	50.6	98.8	25,400
90	47.3	94.2	18,600 *
95	43.9	89.1	10,700 *
130 Ft. BOOM			
26	82.7	136.6	289,500 *
27	82.2	136.4	286,900 *
28	81.8	136.2	284,500 *
29	81.3	136.1	282,100 *
30	80.9	135.9	279,700 *
32	80.0	135.5	275,200 *
34	79.1	135.1	253,100
36	78.2	134.6	226,600
38	77.3	134.2	204,200
40	76.4	133.6	184,800
42	75.4	133.1	168,000
44	74.5	132.5	153,300
46	73.6	131.9	140,200
48	72.7	131.2	128,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
50	71.7	130.5	118,200
55	69.4	128.7	96,300
60	67.0	126.5	78,900
65	64.5	124.1	64,800
70	62.1	121.5	53,000
75	59.5	118.5	43,200
80	56.9	115.3	34,700
85	54.2	111.7	27,400
90	51.3	107.7	21,100
95	48.4	103.3	15,200 *
140 Ft. BOOM			
27	82.8	146.5	280,900 *
28	82.4	146.4	278,600 *
29	81.9	146.2	276,400 *
30	81.5	146.0	274,300 *
32	80.7	145.7	270,200 *
34	79.9	145.3	254,800
36	79.0	144.9	228,300
38	78.2	144.4	205,700
40	77.4	144.0	186,300
42	76.5	143.5	169,500
44	75.7	142.9	154,700
46	74.8	142.3	141,600
48	74.0	141.7	129,900
50	73.1	141.1	119,500
55	70.9	139.4	97,500
60	68.7	137.4	80,100
65	66.5	135.2	65,900
70	64.2	132.8	54,200
75	61.9	130.1	44,300
80	59.5	127.2	35,800
85	57.1	124.0	28,500
90	54.6	120.4	22,100
95	52.0	116.5	16,500
100	49.3	112.2	11,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	242,900 *
29	82.5	156.3	240,600 *
30	82.1	156.2	238,400 *
32	81.3	155.8	234,200 *
34	80.6	155.5	225,900 *
36	79.8	155.1	218,000 *
38	79.0	154.7	207,000
40	78.2	154.2	187,500
42	77.4	153.8	170,700
44	76.6	153.3	155,800
46	75.8	152.7	142,700
48	75.1	152.2	131,100
50	74.3	151.6	120,600
55	72.3	150.0	98,600
60	70.2	148.2	81,200
65	68.2	146.2	67,000
70	66.1	143.9	55,200
75	63.9	141.5	45,300
80	61.8	138.8	36,800
85	59.6	135.9	29,400
90	57.3	132.6	23,000
95	55.0	129.1	17,400
100	52.6	125.3	12,400
160 Ft. BOOM			
29	83.0	166.4	234,400 *
30	82.6	166.3	232,500 *
32	81.9	166.0	224,400 *
34	81.1	165.7	216,100 *
36	80.4	165.3	208,200 *
38	79.7	164.9	200,700 *
40	79.0	164.5	188,600
42	78.2	164.0	171,600
44	77.5	163.6	156,800
46	76.8	163.1	143,700
48	76.0	162.6	132,000
50	75.3	162.0	121,500
55	73.4	160.5	99,400
60	71.5	158.8	81,900
65	69.6	157.0	67,700
70	67.7	154.9	55,900
75	65.7	152.6	45,900
80	63.7	150.2	37,400
85	61.7	147.5	30,100
90	59.6	144.5	23,700
95	57.5	141.3	18,000
100	55.3	137.9	13,000

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

200 Ft. Luffing Jib, Attached at 168 Degree Boom to Luffing Jib Angle

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	223,500 *
32	82.4	176.1	215,100 *
34	81.7	175.8	207,000 *
36	81.0	175.5	199,300 *
38	80.3	175.1	192,000 *
40	79.6	174.7	185,000 *
42	78.9	174.3	172,600
44	78.2	173.8	157,700
46	77.5	173.4	144,600
48	76.9	172.9	132,900
50	76.2	172.4	122,400
55	74.4	171.0	100,400
60	72.6	169.4	82,900
65	70.9	167.6	68,600
70	69.1	165.7	56,800
75	67.2	163.6	46,900
80	65.4	161.3	38,400
85	63.5	158.8	31,000
90	61.6	156.1	24,600
95	59.6	153.2	18,900
100	57.6	150.0	13,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	204,200 *
34	82.1	185.9	196,500 *
36	81.5	185.6	189,100 *
38	80.9	185.3	182,000 *
40	80.2	184.9	175,200 *
42	79.6	184.5	168,700 *
44	78.9	184.1	158,400
46	78.3	183.6	145,300
48	77.6	183.2	133,500
50	76.9	182.7	123,000
55	75.3	181.4	100,900
60	73.6	179.9	83,400
65	72.0	178.3	69,100
70	70.3	176.5	57,300
75	68.6	174.5	47,300
80	66.8	172.3	38,800
85	65.1	170.0	31,400
90	63.3	167.5	25,000
95	61.5	164.8	19,300
100	59.6	161.8	14,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	174,600 *
36	81.9	195.7	169,300 *
38	81.3	195.4	164,300 *
40	80.7	195.1	159,300 *
42	80.1	194.7	154,300 *
44	79.5	194.3	149,300 *
46	78.9	193.9	144,300 *
48	78.3	193.4	134,000
50	77.6	193.0	123,500
55	76.1	191.7	101,400
60	74.5	190.3	83,800
65	72.9	188.8	69,500
70	71.4	187.1	57,600
75	69.7	185.3	47,600
80	68.1	183.2	39,100
85	66.5	181.1	31,700
90	64.8	178.7	25,300
95	63.1	176.2	19,600
100	61.4	173.4	14,600
105	59.7	170.5	10,100