

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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

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. 7638-A**, Counterweight Arrangement chart **No. 7692-A** and Luffing Jib Raising Procedure chart **No. 7604-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating

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

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

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

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

MACHINE EQUIPMENT: Machine equipped with 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, 248,700 Lb. crane counterweight, two 30,000 Lb. and four 15,000 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

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

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.	



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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	460,600 *
25	78.7	85.9	453,700 *
26	78.0	85.6	436,000 *
27	77.3	85.4	419,400 *
28	76.5	85.1	404,000 *
29	75.8	84.8	389,500 *
30	75.0	84.5	376,000 *
32	73.5	83.9	351,200 *
34	72.0	83.2	329,300 *
36	70.5	82.4	304,800 *
38	68.9	81.6	278,900 *
40	67.3	80.7	256,200 *
42	65.8	79.8	236,200 *
44	64.2	78.7	218,400 *
46	62.5	77.6	202,500 *
48	60.9	76.5	188,100 *
50	59.2	75.2	175,100 *
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	439,200 *
26	79.3	95.9	435,900 *
27	78.7	95.7	419,500 *
28	78.0	95.4	404,000 *
29	77.4	95.2	389,600 *
30	76.7	94.9	376,100 *
32	75.4	94.4	351,400 *
34	74.1	93.7	329,400 *
36	72.7	93.1	309,800 *
38	71.4	92.4	287,000 *
40	70.0	91.6	263,900 *
42	68.6	90.8	243,500 *
44	67.2	89.9	225,300 *
46	65.8	88.9	209,100 *
48	64.4	87.9	194,500 *
50	63.0	86.8	181,400 *
55	59.3	83.9	153,300 *

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	409,300 *
28	79.3	105.7	403,700 *
29	78.7	105.5	389,300 *
30	78.1	105.2	375,700 *
32	76.9	104.7	351,100 *
34	75.7	104.2	329,100 *
36	74.5	103.6	309,500 *
38	73.3	103.0	291,800 *
40	72.1	102.3	269,600 *
42	70.9	101.5	249,100 *
44	69.7	100.8	231,100 *
46	68.4	99.9	214,900 *
48	67.2	99.0	200,000 *
50	65.9	98.1	186,600 *
55	62.7	95.5	157,900 *
60	59.3	92.5	134,900 *
65	55.9	89.2	115,900 *
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	311,800 *
36	76.0	114.0	308,300 *
38	74.9	113.4	288,100 *
40	73.8	112.8	268,800 *
42	72.7	112.2	249,600 *
44	71.6	111.5	231,600 *
46	70.5	110.7	215,600 *
48	69.4	109.9	201,400 *
50	68.2	109.1	188,700 *
55	65.4	106.8	162,000 *
60	62.4	104.2	139,300 *
65	59.4	101.2	120,000 *
70	56.3	97.9	103,800 *

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	295,800 *
36	77.2	124.4	292,700 *
38	76.2	123.8	282,300 *
40	75.2	123.3	263,400 *
42	74.2	122.7	246,600 *
44	73.2	122.0	231,600 *
46	72.2	121.4	215,700 *
48	71.2	120.6	201,500 *
50	70.1	119.9	188,800 *
55	67.6	117.8	162,000 *
60	64.9	115.5	140,800 *
65	62.2	112.8	122,900 *
70	59.5	109.9	106,500 *
75	56.6	106.6	92,500 *
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	297,600 *
36	78.2	134.6	286,900 *
38	77.3	134.2	276,700 *
40	76.4	133.6	258,200 *
42	75.4	133.1	241,800 *
44	74.5	132.5	227,200 *
46	73.6	131.9	213,900 *
48	72.7	131.2	201,900 *
50	71.7	130.5	189,300 *
55	69.4	128.7	162,500 *
60	67.0	126.5	141,300 *
65	64.5	124.1	124,000 *
70	62.1	121.5	109,400 *
75	59.5	118.5	95,400 *
80	56.9	115.3	83,300 *

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Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	275,700 *
38	78.2	144.4	265,800 *
40	77.4	144.0	252,500 *
42	76.5	143.5	236,400 *
44	75.7	142.9	222,100 *
46	74.8	142.3	209,200 *
48	74.0	141.7	197,400 *
50	73.1	141.1	186,800 *
55	70.9	139.4	162,400 *
60	68.7	137.4	141,100 *
65	66.5	135.2	123,800 *
70	64.2	132.8	109,400 *
75	61.9	130.1	97,100 *
80	59.5	127.2	84,800 *
85	57.1	124.0	74,200 *
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	229,600 *
42	77.4	153.8	223,300 *
44	76.6	153.3	217,300 *
46	75.8	152.7	206,300 *
48	75.1	152.2	194,700 *
50	74.3	151.6	184,100 *
55	72.3	150.0	161,300 *
60	70.2	148.2	141,000 *
65	68.2	146.2	123,700 *
70	66.1	143.9	109,300 *
75	63.9	141.5	97,200 *
80	61.8	138.8	86,700 *
85	59.6	135.9	75,900 *
90	57.3	132.6	66,500 *

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	212,300 *
44	77.5	163.6	206,300 *
46	76.8	163.1	200,700 *
48	76.0	162.6	190,300 *
50	75.3	162.0	179,900 *
55	73.4	160.5	157,600 *
60	71.5	158.8	139,300 *
65	69.6	157.0	123,400 *
70	67.7	154.9	109,000 *
75	65.7	152.6	96,800 *
80	63.7	150.2	86,500 *
85	61.7	147.5	76,900 *
90	59.6	144.5	67,400 *
95	57.5	141.3	59,100 *
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	196,600 *
46	77.5	173.4	191,100 *
48	76.9	172.9	185,700 *
50	76.2	172.4	176,600 *
55	74.4	171.0	154,700 *
60	72.6	169.4	136,700 *
65	70.9	167.6	121,700 *
70	69.1	165.7	109,000 *
75	67.2	163.6	96,900 *
80	65.4	161.3	86,500 *
85	63.5	158.8	77,500 *
90	61.6	156.1	68,800 *
95	59.6	153.2	60,400 *
100	57.6	150.0	52,900 *

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	180,300 *
48	77.6	183.2	175,100 *
50	76.9	182.7	170,100 *
55	75.3	181.4	151,900 *
60	73.6	179.9	134,100 *
65	72.0	178.3	119,300 *
70	70.3	176.5	106,700 *
75	68.6	174.5	95,800 *
80	66.8	172.3	86,100 *
85	65.1	170.0	77,100 *
90	63.3	167.5	69,300 *
95	61.5	164.8	61,100 *
100	59.6	161.8	53,500 *
105	57.8	158.7	46,700 *
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	157,500 *
55	76.1	191.7	147,200 *
60	74.5	190.3	131,800 *
65	72.9	188.8	117,100 *
70	71.4	187.1	104,600 *
75	69.7	185.3	93,800 *
80	68.1	183.2	84,500 *
85	66.5	181.1	76,200 *
90	64.8	178.7	68,800 *
95	63.1	176.2	61,900 *
100	61.4	173.4	54,200 *
105	59.7	170.5	47,400 *
110	57.9	167.4	41,200 *
115	56.1	164.0	35,600 *



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248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	137,900 *
60	75.3	200.7	128,600 *
65	73.8	199.3	115,000 *
70	72.3	197.7	102,600 *
75	70.8	195.9	91,900 *
80	69.3	194.0	82,600 *
85	67.7	192.0	74,400 *
90	66.2	189.8	67,100 *
95	64.6	187.4	60,600 *
100	63.0	184.8	54,700 *
105	61.3	182.1	47,800 *
110	59.7	179.2	41,600 *
115	58.0	176.0	35,900 *
120	56.3	172.7	30,800 *



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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	459,000 *
25	78.7	85.9	451,500 *
26	78.0	85.6	433,800 *
27	77.3	85.4	417,200 *
28	76.5	85.1	401,700 *
29	75.8	84.8	387,300 *
30	75.0	84.5	373,700 *
32	73.5	83.9	348,900 *
34	72.0	83.2	326,900 *
36	70.5	82.4	301,000 *
38	68.9	81.6	275,100 *
40	67.3	80.7	252,400 *
42	65.8	79.8	232,400 *
44	64.2	78.7	214,600 *
46	62.5	77.6	198,700 *
48	60.9	76.5	184,300 *
50	59.2	75.2	171,400 *
55	54.8	71.7	143,800 *
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	438,000 *
26	79.3	95.9	433,900 *
27	78.7	95.7	417,400 *
28	78.0	95.4	401,900 *
29	77.4	95.2	387,500 *
30	76.7	94.9	373,900 *
32	75.4	94.4	349,200 *
34	74.1	93.7	327,200 *
36	72.7	93.1	307,600 *
38	71.4	92.4	283,400 *
40	70.0	91.6	260,300 *
42	68.6	90.8	239,900 *
44	67.2	89.9	221,800 *
46	65.8	88.9	205,600 *
48	64.4	87.9	191,000 *
50	63.0	86.8	177,900 *
55	59.3	83.9	149,800 *
60	55.4	80.4	127,200 *
65	51.3	76.5	108,500 *

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	416,400 *
27	79.8	105.9	413,300 *
28	79.3	105.7	401,700 *
29	78.7	105.5	387,200 *
30	78.1	105.2	373,700 *
32	76.9	104.7	349,000 *
34	75.7	104.2	327,100 *
36	74.5	103.6	307,400 *
38	73.3	103.0	288,600 *
40	72.1	102.3	266,900 *
42	70.9	101.5	246,400 *
44	69.7	100.8	228,100 *
46	68.4	99.9	211,600 *
48	67.2	99.0	196,700 *
50	65.9	98.1	183,300 *
55	62.7	95.5	154,600 *
60	59.3	92.5	131,600 *
65	55.9	89.2	112,700 *
70	52.3	85.3	96,800 *
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	310,200 *
36	76.0	114.0	306,600 *
38	74.9	113.4	284,900 *
40	73.8	112.8	265,500 *
42	72.7	112.2	247,100 *
44	71.6	111.5	229,100 *
46	70.5	110.7	213,100 *
48	69.4	109.9	199,000 *
50	68.2	109.1	186,300 *
55	65.4	106.8	159,600 *
60	62.4	104.2	136,200 *
65	59.4	101.2	116,800 *
70	56.3	97.9	100,700 *
75	53.0	94.1	86,900 *

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	294,400 *
36	77.2	124.4	291,200 *
38	76.2	123.8	279,200 *
40	75.2	123.3	260,300 *
42	74.2	122.7	243,500 *
44	73.2	122.0	228,500 *
46	72.2	121.4	213,400 *
48	71.2	120.6	199,200 *
50	70.1	119.9	186,400 *
55	67.6	117.8	159,700 *
60	64.9	115.5	138,500 *
65	62.2	112.8	119,900 *
70	59.5	109.9	103,500 *
75	56.6	106.6	89,600 *
80	53.6	102.9	77,600 *
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	296,200 *
36	78.2	134.6	285,400 *
38	77.3	134.2	273,700 *
40	76.4	133.6	255,300 *
42	75.4	133.1	238,900 *
44	74.5	132.5	224,200 *
46	73.6	131.9	211,000 *
48	72.7	131.2	199,000 *
50	71.7	130.5	187,100 *
55	69.4	128.7	160,300 *
60	67.0	126.5	139,100 *
65	64.5	124.1	121,800 *
70	62.1	121.5	106,600 *
75	59.5	118.5	92,500 *
80	56.9	115.3	80,400 *
85	54.2	111.7	69,900 *
90	51.3	107.7	60,700 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	274,400 *
38	78.2	144.4	264,400 *
40	77.4	144.0	249,600 *
42	76.5	143.5	233,600 *
44	75.7	142.9	219,200 *
46	74.8	142.3	206,300 *
48	74.0	141.7	194,600 *
50	73.1	141.1	184,000 *
55	70.9	139.4	160,300 *
60	68.7	137.4	139,000 *
65	66.5	135.2	121,700 *
70	64.2	132.8	107,300 *
75	61.9	130.1	94,300 *
80	59.5	127.2	82,100 *
85	57.1	124.0	71,500 *
90	54.6	120.4	62,200 *
95	52.0	116.5	54,000 *
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	228,200 *
42	77.4	153.8	221,900 *
44	76.6	153.3	215,800 *
46	75.8	152.7	203,600 *
48	75.1	152.2	191,900 *
50	74.3	151.6	181,300 *
55	72.3	150.0	158,600 *
60	70.2	148.2	139,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
65	68.2	146.2	121,600 *
70	66.1	143.9	107,300 *
75	63.9	141.5	95,100 *
80	61.8	138.8	84,000 *
85	59.6	135.9	73,300 *
90	57.3	132.6	63,900 *
95	55.0	129.1	55,500 *
100	52.6	125.3	48,200 *
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	211,100 *
44	77.5	163.6	205,100 *
46	76.8	163.1	199,100 *
48	76.0	162.6	187,600 *
50	75.3	162.0	177,200 *
55	73.4	160.5	154,900 *
60	71.5	158.8	136,700 *
65	69.6	157.0	121,400 *
70	67.7	154.9	107,000 *
75	65.7	152.6	94,900 *
80	63.7	150.2	84,500 *
85	61.7	147.5	74,400 *
90	59.6	144.5	64,900 *
95	57.5	141.3	56,500 *
100	55.3	137.9	49,000 *
105	53.1	134.1	42,400 *
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	201,400 *
44	78.2	173.8	195,500 *
46	77.5	173.4	189,900 *
48	76.9	172.9	184,200 *
50	76.2	172.4	174,000 *
55	74.4	171.0	152,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
60	72.6	169.4	134,200 *
65	70.9	167.6	119,200 *
70	69.1	165.7	106,500 *
75	67.2	163.6	95,000 *
80	65.4	161.3	84,600 *
85	63.5	158.8	75,600 *
90	61.6	156.1	66,300 *
95	59.6	153.2	57,900 *
100	57.6	150.0	50,400 *
105	55.6	146.6	43,700 *
110	53.5	142.9	37,700 *
115	51.3	138.9	32,200 *
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	179,300 *
48	77.6	183.2	174,000 *
50	76.9	182.7	169,000 *
55	75.3	181.4	149,400 *
60	73.6	179.9	131,600 *
65	72.0	178.3	116,800 *
70	70.3	176.5	104,200 *
75	68.6	174.5	93,300 *
80	66.8	172.3	83,900 *
85	65.1	170.0	75,300 *
90	63.3	167.5	67,200 *
95	61.5	164.8	58,700 *
100	59.6	161.8	51,100 *
105	57.8	158.7	44,300 *
110	55.8	155.3	38,200 *
115	53.9	151.7	32,700 *
120	51.8	147.7	27,700 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	160,900 *
50	77.6	193.0	156,600 *
55	76.1	191.7	146,100 *
60	74.5	190.3	129,400 *
65	72.9	188.8	114,600 *
70	71.4	187.1	102,100 *
75	69.7	185.3	91,400 *
80	68.1	183.2	82,000 *
85	66.5	181.1	73,800 *
90	64.8	178.7	66,400 *
95	63.1	176.2	59,500 *
100	61.4	173.4	51,800 *
105	59.7	170.5	45,000 *
110	57.9	167.4	38,800 *
115	56.1	164.0	33,300 *
120	54.2	160.4	28,200 *
125	52.3	156.6	23,600 *

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	136,900 *
60	75.3	200.7	127,300 *
65	73.8	199.3	112,600 *
70	72.3	197.7	100,200 *
75	70.8	195.9	89,500 *
80	69.3	194.0	80,200 *
85	67.7	192.0	72,000 *
90	66.2	189.8	64,800 *
95	64.6	187.4	58,200 *
100	63.0	184.8	52,300 *
105	61.3	182.1	45,400 *
110	59.7	179.2	39,200 *
115	58.0	176.0	33,600 *
120	56.3	172.7	28,500 *
125	54.5	169.1	23,900 *
130	52.7	165.3	19,600 *
135	50.9	161.3	15,700 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
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Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	450,100 *
25	78.7	85.9	446,800 *
26	78.0	85.6	429,900 *
27	77.3	85.4	413,400 *
28	76.5	85.1	397,900 *
29	75.8	84.8	383,500 *
30	75.0	84.5	370,000 *
32	73.5	83.9	345,400 *
34	72.0	83.2	323,500 *
36	70.5	82.4	295,200 *
38	68.9	81.6	269,500 *
40	67.3	80.7	247,000 *
42	65.8	79.8	227,200 *
44	64.2	78.7	209,600 *
46	62.5	77.6	193,800 *
48	60.9	76.5	179,500 *
50	59.2	75.2	166,700 *
55	54.8	71.7	139,400 *
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	429,800 *
26	79.3	95.9	426,600 *
27	78.7	95.7	413,600 *
28	78.0	95.4	398,200 *
29	77.4	95.2	383,800 *
30	76.7	94.9	370,300 *
32	75.4	94.4	345,700 *
34	74.1	93.7	323,800 *
36	72.7	93.1	304,200 *
38	71.4	92.4	278,000 *
40	70.0	91.6	255,100 *
42	68.6	90.8	234,900 *
44	67.2	89.9	216,900 *
46	65.8	88.9	200,800 *
48	64.4	87.9	186,400 *
50	63.0	86.8	173,300 *
55	59.3	83.9	145,500 *
60	55.4	80.4	123,100 *
65	51.3	76.5	104,600 *

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	405,700 *
28	79.3	105.7	398,100 *
29	78.7	105.5	383,700 *
30	78.1	105.2	370,200 *
32	76.9	104.7	345,600 *
34	75.7	104.2	323,700 *
36	74.5	103.6	304,200 *
38	73.3	103.0	283,400 *
40	72.1	102.3	262,400 *
42	70.9	101.5	241,700 *
44	69.7	100.8	223,300 *
46	68.4	99.9	206,900 *
48	67.2	99.0	192,200 *
50	65.9	98.1	178,800 *
55	62.7	95.5	150,400 *
60	59.3	92.5	127,600 *
65	55.9	89.2	108,800 *
70	52.3	85.3	93,100 *
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	305,600 *
36	76.0	114.0	301,400 *
38	74.9	113.4	279,700 *
40	73.8	112.8	260,500 *
42	72.7	112.2	243,100 *
44	71.6	111.5	225,300 *
46	70.5	110.7	209,500 *
48	69.4	109.9	195,400 *
50	68.2	109.1	182,800 *
55	65.4	106.8	155,600 *
60	62.4	104.2	132,300 *
65	59.4	101.2	113,100 *
70	56.3	97.9	97,100 *
75	53.0	94.1	83,400 *

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	290,100 *
36	77.2	124.4	286,900 *
38	76.2	123.8	274,100 *
40	75.2	123.3	255,400 *
42	74.2	122.7	238,800 *
44	73.2	122.0	223,900 *
46	72.2	121.4	209,800 *
48	71.2	120.6	195,700 *
50	70.1	119.9	183,100 *
55	67.6	117.8	156,600 *
60	64.9	115.5	135,500 *
65	62.2	112.8	116,200 *
70	59.5	109.9	100,000 *
75	56.6	106.6	86,100 *
80	53.6	102.9	74,300 *
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	291,200 *
36	78.2	134.6	280,500 *
38	77.3	134.2	268,700 *
40	76.4	133.6	250,400 *
42	75.4	133.1	234,200 *
44	74.5	132.5	219,700 *
46	73.6	131.9	206,600 *
48	72.7	131.2	194,700 *
50	71.7	130.5	183,700 *
55	69.4	128.7	157,200 *
60	67.0	126.5	136,100 *
65	64.5	124.1	119,000 *
70	62.1	121.5	103,100 *
75	59.5	118.5	89,200 *
80	56.9	115.3	77,200 *
85	54.2	111.7	66,800 *
90	51.3	107.7	57,700 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	269,400 *
38	78.2	144.4	259,500 *
40	77.4	144.0	244,900 *
42	76.5	143.5	229,000 *
44	75.7	142.9	214,800 *
46	74.8	142.3	202,000 *
48	74.0	141.7	190,400 *
50	73.1	141.1	179,900 *
55	70.9	139.4	157,100 *
60	68.7	137.4	136,100 *
65	66.5	135.2	118,900 *
70	64.2	132.8	104,700 *
75	61.9	130.1	91,000 *
80	59.5	127.2	78,900 *
85	57.1	124.0	68,400 *
90	54.6	120.4	59,200 *
95	52.0	116.5	51,100 *
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	224,000 *
42	77.4	153.8	217,800 *
44	76.6	153.3	211,800 *
46	75.8	152.7	199,300 *
48	75.1	152.2	187,700 *
50	74.3	151.6	177,300 *
55	72.3	150.0	154,800 *
60	70.2	148.2	136,100 *
65	68.2	146.2	118,900 *
70	66.1	143.9	104,700 *
75	63.9	141.5	92,700 *
80	61.8	138.8	80,900 *
85	59.6	135.9	70,200 *
90	57.3	132.6	60,900 *
95	55.0	129.1	52,600 *
100	52.6	125.3	45,300 *

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	206,800 *
44	77.5	163.6	200,900 *
46	76.8	163.1	194,800 *
48	76.0	162.6	183,500 *
50	75.3	162.0	173,200 *
55	73.4	160.5	151,200 *
60	71.5	158.8	133,100 *
65	69.6	157.0	118,100 *
70	67.7	154.9	104,500 *
75	65.7	152.6	92,400 *
80	63.7	150.2	82,100 *
85	61.7	147.5	71,300 *
90	59.6	144.5	61,900 *
95	57.5	141.3	53,600 *
100	55.3	137.9	46,300 *
105	53.1	134.1	39,700 *
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	191,300 *
46	77.5	173.4	185,700 *
48	76.9	172.9	180,200 *
50	76.2	172.4	170,000 *
55	74.4	171.0	148,300 *
60	72.6	169.4	130,600 *
65	70.9	167.6	115,800 *
70	69.1	165.7	103,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
75	67.2	163.6	92,300 *
80	65.4	161.3	82,300 *
85	63.5	158.8	72,900 *
90	61.6	156.1	63,500 *
95	59.6	153.2	55,100 *
100	57.6	150.0	47,700 *
105	55.6	146.6	41,000 *
110	53.5	142.9	35,000 *
115	51.3	138.9	29,600 *
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	175,100 *
48	77.6	183.2	169,900 *
50	76.9	182.7	164,900 *
55	75.3	181.4	145,700 *
60	73.6	179.9	128,100 *
65	72.0	178.3	113,400 *
70	70.3	176.5	101,000 *
75	68.6	174.5	90,200 *
80	66.8	172.3	80,800 *
85	65.1	170.0	72,600 *
90	63.3	167.5	64,400 *
95	61.5	164.8	55,900 *
100	59.6	161.8	48,400 *
105	57.8	158.7	41,700 *
110	55.8	155.3	35,600 *
115	53.9	151.7	30,200 *
120	51.8	147.7	25,200 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	152,600 *
55	76.1	191.7	142,100 *
60	74.5	190.3	125,900 *
65	72.9	188.8	111,300 *
70	71.4	187.1	98,900 *
75	69.7	185.3	88,300 *
80	68.1	183.2	79,000 *
85	66.5	181.1	70,900 *
90	64.8	178.7	63,600 *
95	63.1	176.2	56,700 *
100	61.4	173.4	49,100 *
105	59.7	170.5	42,300 *
110	57.9	167.4	36,200 *
115	56.1	164.0	30,700 *
120	54.2	160.4	25,700 *
125	52.3	156.6	21,100 *

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	133,000 *
60	75.3	200.7	123,600 *
65	73.8	199.3	109,300 *
70	72.3	197.7	97,000 *
75	70.8	195.9	86,400 *
80	69.3	194.0	77,200 *
85	67.7	192.0	69,100 *
90	66.2	189.8	61,900 *
95	64.6	187.4	55,500 *
100	63.0	184.8	49,700 *
105	61.3	182.1	42,800 *
110	59.7	179.2	36,700 *
115	58.0	176.0	31,100 *
120	56.3	172.7	26,000 *
125	54.5	169.1	21,400 *
130	52.7	165.3	17,200 *
135	50.9	161.3	13,300 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	461,700 *
25	78.7	85.9	449,200 *
26	78.0	85.6	431,300 *
27	77.3	85.4	414,600 *
28	76.5	85.1	399,100 *
29	75.8	84.8	384,500 *
30	75.0	84.5	370,800 *
32	73.5	83.9	345,900 *
34	72.0	83.2	323,700 *
36	70.5	82.4	295,700 *
38	68.9	81.6	269,600 *
40	67.3	80.7	246,800 *
42	65.8	79.8	226,700 *
44	64.2	78.7	208,800 *
46	62.5	77.6	192,800 *
48	60.9	76.5	178,200 *
50	59.2	75.2	165,200 *
55	54.8	71.7	137,400 *
60	50.2	67.6	114,900 *
65	45.1	62.7	96,300 *
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	441,300 *
26	79.3	95.9	431,700 *
27	78.7	95.7	415,100 *
28	78.0	95.4	399,500 *
29	77.4	95.2	385,000 *
30	76.7	94.9	371,300 *
32	75.4	94.4	346,500 *
34	74.1	93.7	324,300 *
36	72.7	93.1	304,500 *
38	71.4	92.4	278,600 *
40	70.0	91.6	255,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	234,800 *
44	67.2	89.9	216,600 *
46	65.8	88.9	200,300 *
48	64.4	87.9	185,600 *
50	63.0	86.8	172,300 *
55	59.3	83.9	144,100 *
60	55.4	80.4	121,300 *
65	51.3	76.5	102,400 *
70	47.0	71.8	86,600 *
75	42.3	66.5	73,000 *
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	420,000 *
27	79.8	105.9	415,000 *
28	79.3	105.7	399,500 *
29	78.7	105.5	385,000 *
30	78.1	105.2	371,400 *
32	76.9	104.7	346,500 *
34	75.7	104.2	324,400 *
36	74.5	103.6	304,700 *
38	73.3	103.0	284,200 *
40	72.1	102.3	262,900 *
42	70.9	101.5	242,000 *
44	69.7	100.8	223,400 *
46	68.4	99.9	206,700 *
48	67.2	99.0	191,700 *
50	65.9	98.1	178,200 *
55	62.7	95.5	149,400 *
60	59.3	92.5	126,200 *
65	55.9	89.2	107,100 *
70	52.3	85.3	91,100 *
75	48.5	80.9	77,500 *
80	44.4	75.9	65,700 *
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	310,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	302,900 *
38	74.9	113.4	280,800 *
40	73.8	112.8	261,400 *
42	72.7	112.2	243,700 *
44	71.6	111.5	225,600 *
46	70.5	110.7	209,700 *
48	69.4	109.9	195,400 *
50	68.2	109.1	182,600 *
55	65.4	106.8	154,900 *
60	62.4	104.2	131,200 *
65	59.4	101.2	111,700 *
70	56.3	97.9	95,400 *
75	53.0	94.1	81,500 *
80	49.6	89.9	69,600 *
85	46.0	85.1	59,200 *
90	42.2	79.7	50,000 *
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	294,700 *
36	77.2	124.4	291,200 *
38	76.2	123.8	275,500 *
40	75.2	123.3	256,500 *
42	74.2	122.7	239,500 *
44	73.2	122.0	224,400 *
46	72.2	121.4	210,100 *
48	71.2	120.6	195,900 *
50	70.1	119.9	183,100 *
55	67.6	117.8	156,200 *
60	64.9	115.5	134,900 *
65	62.2	112.8	115,100 *
70	59.5	109.9	98,600 *
75	56.6	106.6	84,500 *
80	53.6	102.9	72,500 *
85	50.6	98.8	62,000 *
90	47.3	94.2	52,800 *
95	43.9	89.1	44,600 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	297,100 *
36	78.2	134.6	286,200 *
38	77.3	134.2	270,200 *
40	76.4	133.6	251,600 *
42	75.4	133.1	235,100 *
44	74.5	132.5	220,400 *
46	73.6	131.9	207,100 *
48	72.7	131.2	195,000 *
50	71.7	130.5	183,900 *
55	69.4	128.7	157,000 *
60	67.0	126.5	135,700 *
65	64.5	124.1	118,300 *
70	62.1	121.5	102,000 *
75	59.5	118.5	87,800 *
80	56.9	115.3	75,600 *
85	54.2	111.7	65,100 *
90	51.3	107.7	55,800 *
95	48.4	103.3	47,600 *
100	45.3	98.4	40,200 *
105	42.0	92.9	33,700 *
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	287,100 *
36	79.0	144.9	276,000 *
38	78.2	144.4	264,500 *
40	77.4	144.0	246,300 *
42	76.5	143.5	230,100 *
44	75.7	142.9	215,600 *
46	74.8	142.3	202,600 *
48	74.0	141.7	190,800 *
50	73.1	141.1	180,100 *
55	70.9	139.4	157,000 *
60	68.7	137.4	135,800 *
65	66.5	135.2	118,400 *
70	64.2	132.8	104,000 *
75	61.9	130.1	89,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
80	59.5	127.2	77,600 *
85	57.1	124.0	66,900 *
90	54.6	120.4	57,500 *
95	52.0	116.5	49,300 *
100	49.3	112.2	41,900 *
105	46.5	107.5	35,300 *
110	43.5	102.3	29,300 *
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	228,800 *
42	77.4	153.8	222,200 *
44	76.6	153.3	212,900 *
46	75.8	152.7	200,100 *
48	75.1	152.2	188,300 *
50	74.3	151.6	177,700 *
55	72.3	150.0	154,800 *
60	70.2	148.2	136,000 *
65	68.2	146.2	118,600 *
70	66.1	143.9	104,100 *
75	63.9	141.5	91,900 *
80	61.8	138.8	79,700 *
85	59.6	135.9	68,900 *
90	57.3	132.6	59,400 *
95	55.0	129.1	51,000 *
100	52.6	125.3	43,600 *
105	50.1	121.2	36,900 *
110	47.5	116.6	30,900 *
115	44.8	111.6	25,400 *
120	42.0	106.1	20,400 *
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	218,600 *
42	78.2	164.0	212,000 *
44	77.5	163.6	205,700 *
46	76.8	163.1	195,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
48	76.0	162.6	184,200 *
50	75.3	162.0	173,700 *
55	73.4	160.5	151,300 *
60	71.5	158.8	132,900 *
65	69.6	157.0	117,600 *
70	67.7	154.9	104,000 *
75	65.7	152.6	91,800 *
80	63.7	150.2	81,000 *
85	61.7	147.5	70,100 *
90	59.6	144.5	60,600 *
95	57.5	141.3	52,200 *
100	55.3	137.9	44,700 *
105	53.1	134.1	38,000 *
110	50.7	130.1	31,900 *
115	48.4	125.6	26,500 *
120	45.9	120.8	21,500 *
125	43.3	115.6	16,900 *
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	203,000 *
44	78.2	173.8	196,800 *
46	77.5	173.4	190,900 *
48	76.9	172.9	181,000 *
50	76.2	172.4	170,700 *
55	74.4	171.0	148,600 *
60	72.6	169.4	130,500 *
65	70.9	167.6	115,400 *
70	69.1	165.7	102,600 *
75	67.2	163.6	91,500 *
80	65.4	161.3	81,600 *
85	63.5	158.8	71,800 *
90	61.6	156.1	62,200 *
95	59.6	153.2	53,800 *
100	57.6	150.0	46,200 *
105	55.6	146.6	39,500 *
110	53.5	142.9	33,400 *
115	51.3	138.9	27,900 *
120	49.1	134.6	22,900 *
125	46.8	129.9	18,300 *
130	44.4	124.9	14,100 *
135	41.9	119.3	10,200 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	186,600 *
46	78.3	183.6	180,900 *
48	77.6	183.2	175,400 *
50	76.9	182.7	168,000 *
55	75.3	181.4	146,000 *
60	73.6	179.9	128,100 *
65	72.0	178.3	113,200 *
70	70.3	176.5	100,500 *
75	68.6	174.5	89,600 *
80	66.8	172.3	80,000 *
85	65.1	170.0	71,600 *
90	63.3	167.5	63,200 *
95	61.5	164.8	54,700 *
100	59.6	161.8	47,000 *
105	57.8	158.7	40,200 *
110	55.8	155.3	34,100 *
115	53.9	151.7	28,600 *
120	51.8	147.7	23,500 *
125	49.8	143.5	18,900 *
130	47.6	139.0	14,700 *
135	45.4	134.1	10,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	162,400 *
50	77.6	193.0	157,900 *
55	76.1	191.7	143,800 *
60	74.5	190.3	126,000 *
65	72.9	188.8	111,100 *
70	71.4	187.1	98,600 *
75	69.7	185.3	87,700 *
80	68.1	183.2	78,300 *
85	66.5	181.1	70,000 *
90	64.8	178.7	62,600 *
95	63.1	176.2	55,600 *
100	61.4	173.4	47,900 *
105	59.7	170.5	41,000 *
110	57.9	167.4	34,800 *
115	56.1	164.0	29,200 *
120	54.2	160.4	24,100 *
125	52.3	156.6	19,500 *
130	50.3	152.4	15,200 *
135	48.3	148.0	11,300 *

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	148,700 *
55	76.8	202.1	138,200 *
60	75.3	200.7	124,000 *
65	73.8	199.3	109,200 *
70	72.3	197.7	96,700 *
75	70.8	195.9	85,900 *
80	69.3	194.0	76,600 *
85	67.7	192.0	68,300 *
90	66.2	189.8	61,000 *
95	64.6	187.4	54,400 *
100	63.0	184.8	48,500 *
105	61.3	182.1	41,600 *
110	59.7	179.2	35,300 *
115	58.0	176.0	29,700 *
120	56.3	172.7	24,500 *
125	54.5	169.1	19,900 *
130	52.7	165.3	15,600 *
135	50.9	161.3	11,600 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	454,500 *
25	78.7	85.9	445,500 *
26	78.0	85.6	427,600 *
27	77.3	85.4	410,900 *
28	76.5	85.1	395,400 *
29	75.8	84.8	380,900 *
30	75.0	84.5	367,300 *
32	73.5	83.9	342,400 *
34	72.0	83.2	319,800 *
36	70.5	82.4	289,900 *
38	68.9	81.6	264,000 *
40	67.3	80.7	241,400 *
42	65.8	79.8	221,300 *
44	64.2	78.7	203,600 *
46	62.5	77.6	187,600 *
48	60.9	76.5	173,200 *
50	59.2	75.2	160,300 *
55	54.8	71.7	132,700 *
60	50.2	67.6	110,400 *
65	45.1	62.7	91,900 *
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	434,700 *
26	79.3	95.9	428,100 *
27	78.7	95.7	411,500 *
28	78.0	95.4	396,000 *
29	77.4	95.2	381,500 *
30	76.7	94.9	367,900 *
32	75.4	94.4	343,100 *
34	74.1	93.7	321,000 *
36	72.7	93.1	299,600 *
38	71.4	92.4	273,200 *
40	70.0	91.6	250,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
42	68.6	90.8	229,700 *
44	67.2	89.9	211,600 *
46	65.8	88.9	195,400 *
48	64.4	87.9	180,800 *
50	63.0	86.8	167,600 *
55	59.3	83.9	139,600 *
60	55.4	80.4	116,900 *
65	51.3	76.5	98,200 *
70	47.0	71.8	82,500 *
75	42.3	66.5	69,100 *
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	413,900 *
27	79.8	105.9	410,500 *
28	79.3	105.7	396,100 *
29	78.7	105.5	381,600 *
30	78.1	105.2	368,000 *
32	76.9	104.7	343,200 *
34	75.7	104.2	321,200 *
36	74.5	103.6	301,300 *
38	73.3	103.0	279,100 *
40	72.1	102.3	257,900 *
42	70.9	101.5	237,000 *
44	69.7	100.8	218,500 *
46	68.4	99.9	202,000 *
48	67.2	99.0	187,100 *
50	65.9	98.1	173,700 *
55	62.7	95.5	145,100 *
60	59.3	92.5	122,000 *
65	55.9	89.2	103,100 *
70	52.3	85.3	87,200 *
75	48.5	80.9	73,600 *
80	44.4	75.9	61,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	306,100 *
36	76.0	114.0	297,700 *
38	74.9	113.4	275,800 *
40	73.8	112.8	256,400 *
42	72.7	112.2	239,200 *
44	71.6	111.5	221,900 *
46	70.5	110.7	206,000 *
48	69.4	109.9	191,800 *
50	68.2	109.1	179,100 *
55	65.4	106.8	150,700 *
60	62.4	104.2	127,100 *
65	59.4	101.2	107,800 *
70	56.3	97.9	91,600 *
75	53.0	94.1	77,800 *
80	49.6	89.9	66,000 *
85	46.0	85.1	55,700 *
90	42.2	79.7	46,600 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	290,900 *
36	77.2	124.4	287,500 *
38	76.2	123.8	270,500 *
40	75.2	123.3	251,700 *
42	74.2	122.7	234,900 *
44	73.2	122.0	219,800 *
46	72.2	121.4	206,400 *
48	71.2	120.6	192,400 *
50	70.1	119.9	179,700 *
55	67.6	117.8	153,000 *
60	64.9	115.5	131,000 *
65	62.2	112.8	111,300 *
70	59.5	109.9	94,900 *
75	56.6	106.6	81,000 *
80	53.6	102.9	69,000 *
85	50.6	98.8	58,600 *
90	47.3	94.2	49,400 *
95	43.9	89.1	41,300 *
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	292,800 *
36	78.2	134.6	281,700 *
38	77.3	134.2	265,400 *
40	76.4	133.6	246,900 *
42	75.4	133.1	230,600 *
44	74.5	132.5	215,900 *
46	73.6	131.9	202,700 *
48	72.7	131.2	190,800 *
50	71.7	130.5	179,800 *
55	69.4	128.7	153,900 *
60	67.0	126.5	132,700 *
65	64.5	124.1	115,000 *
70	62.1	121.5	98,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
75	59.5	118.5	84,300 *
80	56.9	115.3	72,200 *
85	54.2	111.7	61,700 *
90	51.3	107.7	52,500 *
95	48.4	103.3	44,400 *
100	45.3	98.4	37,100 *
105	42.0	92.9	30,600 *
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	282,500 *
36	79.0	144.9	271,400 *
38	78.2	144.4	259,700 *
40	77.4	144.0	241,700 *
42	76.5	143.5	225,600 *
44	75.7	142.9	211,300 *
46	74.8	142.3	198,400 *
48	74.0	141.7	186,700 *
50	73.1	141.1	176,000 *
55	70.9	139.4	153,100 *
60	68.7	137.4	132,900 *
65	66.5	135.2	115,600 *
70	64.2	132.8	100,700 *
75	61.9	130.1	86,400 *
80	59.5	127.2	74,200 *
85	57.1	124.0	63,700 *
90	54.6	120.4	54,300 *
95	52.0	116.5	46,100 *
100	49.3	112.2	38,800 *
105	46.5	107.5	32,300 *
110	43.5	102.3	26,400 *
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	224,900 *
42	77.4	153.8	218,400 *
44	76.6	153.3	208,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
46	75.8	152.7	195,900 *
48	75.1	152.2	184,200 *
50	74.3	151.6	173,700 *
55	72.3	150.0	150,900 *
60	70.2	148.2	132,300 *
65	68.2	146.2	115,800 *
70	66.1	143.9	101,500 *
75	63.9	141.5	88,800 *
80	61.8	138.8	76,400 *
85	59.6	135.9	65,700 *
90	57.3	132.6	56,300 *
95	55.0	129.1	48,000 *
100	52.6	125.3	40,600 *
105	50.1	121.2	34,000 *
110	47.5	116.6	28,000 *
115	44.8	111.6	22,600 *
120	42.0	106.1	17,600 *
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	214,700 *
42	78.2	164.0	208,100 *
44	77.5	163.6	201,900 *
46	76.8	163.1	191,600 *
48	76.0	162.6	180,200 *
50	75.3	162.0	169,800 *
55	73.4	160.5	147,500 *
60	71.5	158.8	129,300 *
65	69.6	157.0	114,100 *
70	67.7	154.9	101,100 *
75	65.7	152.6	89,300 *
80	63.7	150.2	77,900 *
85	61.7	147.5	67,000 *
90	59.6	144.5	57,500 *
95	57.5	141.3	49,200 *
100	55.3	137.9	41,700 *
105	53.1	134.1	35,100 *
110	50.7	130.1	29,100 *
115	48.4	125.6	23,700 *
120	45.9	120.8	18,700 *
125	43.3	115.6	14,200 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
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Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	199,100 *
44	78.2	173.8	192,900 *
46	77.5	173.4	187,100 *
48	76.9	172.9	177,000 *
50	76.2	172.4	166,800 *
55	74.4	171.0	144,900 *
60	72.6	169.4	127,000 *
65	70.9	167.6	112,000 *
70	69.1	165.7	99,300 *
75	67.2	163.6	88,300 *
80	65.4	161.3	78,700 *
85	63.5	158.8	68,800 *
90	61.6	156.1	59,200 *
95	59.6	153.2	50,800 *
100	57.6	150.0	43,300 *
105	55.6	146.6	36,600 *
110	53.5	142.9	30,600 *
115	51.3	138.9	25,100 *
120	49.1	134.6	20,200 *
125	46.8	129.9	15,600 *
130	44.4	124.9	11,500 *
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	182,700 *
46	78.3	183.6	177,000 *
48	77.6	183.2	171,500 *
50	76.9	182.7	164,200 *
55	75.3	181.4	142,400 *
60	73.6	179.9	124,600 *
65	72.0	178.3	109,800 *
70	70.3	176.5	97,200 *
75	68.6	174.5	86,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
80	66.8	172.3	76,900 *
85	65.1	170.0	68,600 *
90	63.3	167.5	60,300 *
95	61.5	164.8	51,800 *
100	59.6	161.8	44,200 *
105	57.8	158.7	37,400 *
110	55.8	155.3	31,400 *
115	53.9	151.7	25,900 *
120	51.8	147.7	20,800 *
125	49.8	143.5	16,300 *
130	47.6	139.0	12,100 *
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	158,800 *
50	77.6	193.0	154,300 *
55	76.1	191.7	140,200 *
60	74.5	190.3	122,500 *
65	72.9	188.8	107,800 *
70	71.4	187.1	95,300 *
75	69.7	185.3	84,600 *
80	68.1	183.2	75,300 *
85	66.5	181.1	67,000 *
90	64.8	178.7	59,700 *
95	63.1	176.2	52,700 *
100	61.4	173.4	45,100 *
105	59.7	170.5	38,300 *
110	57.9	167.4	32,100 *
115	56.1	164.0	26,600 *
120	54.2	160.4	21,500 *
125	52.3	156.6	16,900 *
130	50.3	152.4	12,700 *

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	176,100 *
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	145,000 *
55	76.8	202.1	134,700 *
60	75.3	200.7	120,500 *
65	73.8	199.3	105,900 *
70	72.3	197.7	93,500 *
75	70.8	195.9	82,800 *
80	69.3	194.0	73,600 *
85	67.7	192.0	65,400 *
90	66.2	189.8	58,100 *
95	64.6	187.4	51,600 *
100	63.0	184.8	45,700 *
105	61.3	182.1	38,900 *
110	59.7	179.2	32,700 *
115	58.0	176.0	27,000 *
120	56.3	172.7	22,000 *
125	54.5	169.1	17,300 *
130	52.7	165.3	13,100 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
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Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	460,300 *
25	78.7	85.9	448,200 *
26	78.0	85.6	430,100 *
27	77.3	85.4	413,300 *
28	76.5	85.1	397,500 *
29	75.8	84.8	382,800 *
30	75.0	84.5	369,000 *
32	73.5	83.9	343,800 *
34	72.0	83.2	321,400 *
36	70.5	82.4	291,800 *
38	68.9	81.6	265,400 *
40	67.3	80.7	242,300 *
42	65.8	79.8	221,900 *
44	64.2	78.7	203,800 *
46	62.5	77.6	187,500 *
48	60.9	76.5	172,800 *
50	59.2	75.2	159,600 *
55	54.8	71.7	131,400 *
60	50.2	67.6	108,600 *
65	45.1	62.7	89,700 *
70	39.6	56.8	72,300 *
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	450,500 *
25	80.0	96.1	446,600 *
26	79.3	95.9	430,800 *
27	78.7	95.7	414,000 *
28	78.0	95.4	398,300 *
29	77.4	95.2	383,600 *
30	76.7	94.9	369,800 *
32	75.4	94.4	344,700 *
34	74.1	93.7	322,300 *
36	72.7	93.1	301,900 *
38	71.4	92.4	275,000 *
40	70.0	91.6	251,500 *
42	68.6	90.8	230,700 *
44	67.2	89.9	212,300 *
46	65.8	88.9	195,800 *
48	64.4	87.9	180,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	167,400 *
55	59.3	83.9	138,800 *
60	55.4	80.4	115,700 *
65	51.3	76.5	96,600 *
70	47.0	71.8	80,500 *
75	42.3	66.5	66,700 *
80	37.1	60.0	53,800 *
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	425,500 *
27	79.8	105.9	414,200 *
28	79.3	105.7	398,600 *
29	78.7	105.5	383,900 *
30	78.1	105.2	370,100 *
32	76.9	104.7	345,000 *
34	75.7	104.2	322,700 *
36	74.5	103.6	302,700 *
38	73.3	103.0	281,200 *
40	72.1	102.3	259,600 *
42	70.9	101.5	238,400 *
44	69.7	100.8	219,600 *
46	68.4	99.9	202,800 *
48	67.2	99.0	187,600 *
50	65.9	98.1	173,900 *
55	62.7	95.5	144,700 *
60	59.3	92.5	121,300 *
65	55.9	89.2	101,900 *
70	52.3	85.3	85,700 *
75	48.5	80.9	71,800 *
80	44.4	75.9	59,900 *
85	40.0	70.0	49,300 *
90	35.1	63.1	39,200 *
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	316,100 *
34	77.0	114.6	311,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	300,600 *
38	74.9	113.4	278,200 *
40	73.8	112.8	258,500 *
42	72.7	112.2	240,900 *
44	71.6	111.5	223,100 *
46	70.5	110.7	207,000 *
48	69.4	109.9	192,600 *
50	68.2	109.1	179,700 *
55	65.4	106.8	150,700 *
60	62.4	104.2	126,700 *
65	59.4	101.2	107,000 *
70	56.3	97.9	90,500 *
75	53.0	94.1	76,400 *
80	49.6	89.9	64,300 *
85	46.0	85.1	53,700 *
90	42.2	79.7	44,400 *
95	38.0	73.4	36,100 *
100	33.3	66.0	27,800 *
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	307,200 *
36	77.2	124.4	295,100 *
38	76.2	123.8	273,300 *
40	75.2	123.3	254,000 *
42	74.2	122.7	236,800 *
44	73.2	122.0	221,400 *
46	72.2	121.4	207,700 *
48	71.2	120.6	193,400 *
50	70.1	119.9	180,500 *
55	67.6	117.8	153,300 *
60	64.9	115.5	130,800 *
65	62.2	112.8	110,800 *
70	59.5	109.9	94,000 *
75	56.6	106.6	79,800 *
80	53.6	102.9	67,600 *
85	50.6	98.8	57,000 *
90	47.3	94.2	47,600 *
95	43.9	89.1	39,300 *
100	40.2	83.3	31,900 *
105	36.2	76.6	25,100 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	299,100 *
36	78.2	134.6	289,100 *
38	77.3	134.2	268,300 *
40	76.4	133.6	249,400 *
42	75.4	133.1	232,700 *
44	74.5	132.5	217,700 *
46	73.6	131.9	204,200 *
48	72.7	131.2	192,000 *
50	71.7	130.5	180,800 *
55	69.4	128.7	154,400 *
60	67.0	126.5	132,800 *
65	64.5	124.1	114,700 *
70	62.1	121.5	97,800 *
75	59.5	118.5	83,400 *
80	56.9	115.3	71,100 *
85	54.2	111.7	60,400 *
90	51.3	107.7	51,000 *
95	48.4	103.3	42,700 *
100	45.3	98.4	35,300 *
105	42.0	92.9	28,500 *
110	38.5	86.7	22,500 *
115	34.7	79.7	16,900 *
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	291,300 *
36	79.0	144.9	279,800 *
38	78.2	144.4	262,800 *
40	77.4	144.0	244,300 *
42	76.5	143.5	227,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
44	75.7	142.9	213,300 *
46	74.8	142.3	200,100 *
48	74.0	141.7	188,100 *
50	73.1	141.1	177,200 *
55	70.9	139.4	153,800 *
60	68.7	137.4	133,200 *
65	66.5	135.2	115,600 *
70	64.2	132.8	100,300 *
75	61.9	130.1	85,800 *
80	59.5	127.2	73,400 *
85	57.1	124.0	62,600 *
90	54.6	120.4	53,100 *
95	52.0	116.5	44,700 *
100	49.3	112.2	37,200 *
105	46.5	107.5	30,500 *
110	43.5	102.3	24,500 *
115	40.4	96.5	18,900 *
120	37.0	90.0	13,800 *
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	238,500 *
40	78.2	154.2	231,200 *
42	77.4	153.8	224,300 *
44	76.6	153.3	210,700 *
46	75.8	152.7	197,700 *
48	75.1	152.2	185,800 *
50	74.3	151.6	175,000 *
55	72.3	150.0	151,800 *
60	70.2	148.2	132,700 *
65	68.2	146.2	116,000 *
70	66.1	143.9	101,300 *
75	63.9	141.5	88,300 *
80	61.8	138.8	75,700 *
85	59.6	135.9	64,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
90	57.3	132.6	55,200 *
95	55.0	129.1	46,700 *
100	52.6	125.3	39,200 *
105	50.1	121.2	32,400 *
110	47.5	116.6	26,300 *
115	44.8	111.6	20,800 *
120	42.0	106.1	15,700 *
125	38.9	100.0	11,000 *
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	221,700 *
42	78.2	164.0	214,800 *
44	77.5	163.6	206,500 *
46	76.8	163.1	193,600 *
48	76.0	162.6	181,900 *
50	75.3	162.0	171,300 *
55	73.4	160.5	148,500 *
60	71.5	158.8	129,900 *
65	69.6	157.0	114,300 *
70	67.7	154.9	101,000 *
75	65.7	152.6	89,100 *
80	63.7	150.2	77,300 *
85	61.7	147.5	66,300 *
90	59.6	144.5	56,600 *
95	57.5	141.3	48,100 *
100	55.3	137.9	40,500 *
105	53.1	134.1	33,700 *
110	50.7	130.1	27,600 *
115	48.4	125.6	22,000 *
120	45.9	120.8	17,000 *
125	43.3	115.6	12,300 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	206,400 *
44	78.2	173.8	199,900 *
46	77.5	173.4	190,400 *
48	76.9	172.9	178,800 *
50	76.2	172.4	168,400 *
55	74.4	171.0	146,000 *
60	72.6	169.4	127,700 *
65	70.9	167.6	112,400 *
70	69.1	165.7	99,400 *
75	67.2	163.6	88,100 *
80	65.4	161.3	78,300 *
85	63.5	158.8	68,200 *
90	61.6	156.1	58,400 *
95	59.6	153.2	49,900 *
100	57.6	150.0	42,200 *
105	55.6	146.6	35,400 *
110	53.5	142.9	29,300 *
115	51.3	138.9	23,700 *
120	49.1	134.6	18,600 *
125	46.8	129.9	14,000 *
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	190,300 *
46	78.3	183.6	184,200 *
48	77.6	183.2	176,300 *
50	76.9	182.7	165,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
55	75.3	181.4	143,600 *
60	73.6	179.9	125,400 *
65	72.0	178.3	110,200 *
70	70.3	176.5	97,400 *
75	68.6	174.5	86,300 *
80	66.8	172.3	76,600 *
85	65.1	170.0	68,100 *
90	63.3	167.5	59,600 *
95	61.5	164.8	51,000 *
100	59.6	161.8	43,200 *
105	57.8	158.7	36,300 *
110	55.8	155.3	30,100 *
115	53.9	151.7	24,500 *
120	51.8	147.7	19,400 *
125	49.8	143.5	14,800 *
130	47.6	139.0	10,500 *
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	170,200 *
48	78.3	193.4	165,500 *
50	77.6	193.0	160,800 *
55	76.1	191.7	141,500 *
60	74.5	190.3	123,400 *
65	72.9	188.8	108,300 *
70	71.4	187.1	95,600 *
75	69.7	185.3	84,600 *
80	68.1	183.2	75,100 *
85	66.5	181.1	66,600 *
90	64.8	178.7	59,100 *
95	63.1	176.2	52,000 *
100	61.4	173.4	44,200 *
105	59.7	170.5	37,300 *
110	57.9	167.4	31,000 *
115	56.1	164.0	25,400 *
120	54.2	160.4	20,200 *
125	52.3	156.6	15,500 *
130	50.3	152.4	11,200 *

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	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	152,000 *
55	76.8	202.1	139,700 *
60	75.3	200.7	121,500 *
65	73.8	199.3	106,500 *
70	72.3	197.7	93,800 *
75	70.8	195.9	82,900 *
80	69.3	194.0	73,400 *
85	67.7	192.0	65,100 *
90	66.2	189.8	57,700 *
95	64.6	187.4	51,000 *
100	63.0	184.8	45,000 *
105	61.3	182.1	38,000 *
110	59.7	179.2	31,700 *
115	58.0	176.0	25,900 *
120	56.3	172.7	20,700 *
125	54.5	169.1	16,000 *
130	52.7	165.3	11,700 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	455,400 *
25	78.7	85.9	445,600 *
26	78.0	85.6	427,500 *
27	77.3	85.4	410,700 *
28	76.5	85.1	394,900 *
29	75.8	84.8	380,200 *
30	75.0	84.5	366,400 *
32	73.5	83.9	341,300 *
34	72.0	83.2	317,800 *
36	70.5	82.4	287,500 *
38	68.9	81.6	261,200 *
40	67.3	80.7	238,200 *
42	65.8	79.8	217,900 *
44	64.2	78.7	199,800 *
46	62.5	77.6	183,700 *
48	60.9	76.5	169,000 *
50	59.2	75.2	155,800 *
55	54.8	71.7	127,800 *
60	50.2	67.6	105,100 *
65	45.1	62.7	86,200 *
70	39.6	56.8	68,900 *
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	446,000 *
25	80.0	96.1	442,000 *
26	79.3	95.9	428,300 *
27	78.7	95.7	411,500 *
28	78.0	95.4	395,800 *
29	77.4	95.2	381,200 *
30	76.7	94.9	367,400 *
32	75.4	94.4	342,300 *
34	74.1	93.7	320,000 *
36	72.7	93.1	297,900 *
38	71.4	92.4	271,100 *
40	70.0	91.6	247,600 *
42	68.6	90.8	227,000 *
44	67.2	89.9	208,600 *
46	65.8	88.9	192,100 *
48	64.4	87.9	177,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	163,900 *
55	59.3	83.9	135,400 *
60	55.4	80.4	112,400 *
65	51.3	76.5	93,400 *
70	47.0	71.8	77,400 *
75	42.3	66.5	63,700 *
80	37.1	60.0	50,800 *
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	421,300 *
27	79.8	105.9	411,900 *
28	79.3	105.7	396,200 *
29	78.7	105.5	381,500 *
30	78.1	105.2	367,800 *
32	76.9	104.7	342,700 *
34	75.7	104.2	320,500 *
36	74.5	103.6	300,100 *
38	73.3	103.0	277,500 *
40	72.1	102.3	256,000 *
42	70.9	101.5	234,800 *
44	69.7	100.8	216,100 *
46	68.4	99.9	199,300 *
48	67.2	99.0	184,200 *
50	65.9	98.1	170,600 *
55	62.7	95.5	141,500 *
60	59.3	92.5	118,100 *
65	55.9	89.2	98,900 *
70	52.3	85.3	82,700 *
75	48.5	80.9	68,900 *
80	44.4	75.9	57,000 *
85	40.0	70.0	46,500 *
90	35.1	63.1	36,400 *
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	313,400 *
34	77.0	114.6	308,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	296,900 *
38	74.9	113.4	274,600 *
40	73.8	112.8	255,000 *
42	72.7	112.2	237,400 *
44	71.6	111.5	220,400 *
46	70.5	110.7	204,300 *
48	69.4	109.9	190,000 *
50	68.2	109.1	177,100 *
55	65.4	106.8	147,600 *
60	62.4	104.2	123,700 *
65	59.4	101.2	104,100 *
70	56.3	97.9	87,600 *
75	53.0	94.1	73,600 *
80	49.6	89.9	61,600 *
85	46.0	85.1	51,100 *
90	42.2	79.7	41,800 *
95	38.0	73.4	33,500 *
100	33.3	66.0	25,200 *
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	305,100 *
36	77.2	124.4	291,500 *
38	76.2	123.8	269,700 *
40	75.2	123.3	250,500 *
42	74.2	122.7	233,500 *
44	73.2	122.0	218,200 *
46	72.2	121.4	204,500 *
48	71.2	120.6	190,900 *
50	70.1	119.9	178,000 *
55	67.6	117.8	151,000 *
60	64.9	115.5	127,900 *
65	62.2	112.8	108,000 *
70	59.5	109.9	91,300 *
75	56.6	106.6	77,200 *
80	53.6	102.9	65,000 *
85	50.6	98.8	54,400 *
90	47.3	94.2	45,100 *
95	43.9	89.1	36,900 *
100	40.2	83.3	29,400 *
105	36.2	76.6	22,700 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	296,600 *
36	78.2	134.6	286,200 *
38	77.3	134.2	264,900 *
40	76.4	133.6	246,100 *
42	75.4	133.1	229,500 *
44	74.5	132.5	214,600 *
46	73.6	131.9	201,200 *
48	72.7	131.2	189,000 *
50	71.7	130.5	177,900 *
55	69.4	128.7	152,200 *
60	67.0	126.5	130,700 *
65	64.5	124.1	112,000 *
70	62.1	121.5	95,200 *
75	59.5	118.5	80,900 *
80	56.9	115.3	68,600 *
85	54.2	111.7	58,000 *
90	51.3	107.7	48,600 *
95	48.4	103.3	40,300 *
100	45.3	98.4	32,900 *
105	42.0	92.9	26,300 *
110	38.5	86.7	20,200 *
115	34.7	79.7	14,600 *
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	288,400 *
36	79.0	144.9	276,800 *
38	78.2	144.4	259,500 *
40	77.4	144.0	241,100 *
42	76.5	143.5	224,800 *
44	75.7	142.9	210,200 *
46	74.8	142.3	197,100 *
48	74.0	141.7	185,200 *
50	73.1	141.1	174,300 *
55	70.9	139.4	151,000 *
60	68.7	137.4	131,100 *
65	66.5	135.2	113,600 *
70	64.2	132.8	97,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
75	61.9	130.1	83,300 *
80	59.5	127.2	70,900 *
85	57.1	124.0	60,200 *
90	54.6	120.4	50,700 *
95	52.0	116.5	42,400 *
100	49.3	112.2	35,000 *
105	46.5	107.5	28,300 *
110	43.5	102.3	22,300 *
115	40.4	96.5	16,800 *
120	37.0	90.0	11,700 *
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	236,000 *
40	78.2	154.2	228,700 *
42	77.4	153.8	221,800 *
44	76.6	153.3	207,700 *
46	75.8	152.7	194,800 *
48	75.1	152.2	183,000 *
50	74.3	151.6	172,200 *
55	72.3	150.0	149,100 *
60	70.2	148.2	130,100 *
65	68.2	146.2	114,000 *
70	66.1	143.9	99,500 *
75	63.9	141.5	85,900 *
80	61.8	138.8	73,400 *
85	59.6	135.9	62,500 *
90	57.3	132.6	52,900 *
95	55.0	129.1	44,500 *
100	52.6	125.3	37,000 *
105	50.1	121.2	30,300 *
110	47.5	116.6	24,200 *
115	44.8	111.6	18,700 *
120	42.0	106.1	13,600 *
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	219,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
42	78.2	164.0	212,300 *
44	77.5	163.6	203,600 *
46	76.8	163.1	190,700 *
48	76.0	162.6	179,100 *
50	75.3	162.0	168,500 *
55	73.4	160.5	145,900 *
60	71.5	158.8	127,300 *
65	69.6	157.0	111,900 *
70	67.7	154.9	98,600 *
75	65.7	152.6	87,200 *
80	63.7	150.2	75,000 *
85	61.7	147.5	64,000 *
90	59.6	144.5	54,400 *
95	57.5	141.3	45,900 *
100	55.3	137.9	38,400 *
105	53.1	134.1	31,600 *
110	50.7	130.1	25,500 *
115	48.4	125.6	20,000 *
120	45.9	120.8	15,000 *
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	203,900 *
44	78.2	173.8	197,400 *
46	77.5	173.4	187,600 *
48	76.9	172.9	176,100 *
50	76.2	172.4	165,700 *
55	74.4	171.0	143,400 *
60	72.6	169.4	125,200 *
65	70.9	167.6	110,000 *
70	69.1	165.7	97,000 *
75	67.2	163.6	85,900 *
80	65.4	161.3	76,100 *
85	63.5	158.8	66,000 *
90	61.6	156.1	56,300 *
95	59.6	153.2	47,800 *
100	57.6	150.0	40,200 *
105	55.6	146.6	33,400 *
110	53.5	142.9	27,300 *
115	51.3	138.9	21,700 *
120	49.1	134.6	16,700 *
125	46.8	129.9	12,100 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	187,800 *
46	78.3	183.6	181,800 *
48	77.6	183.2	173,600 *
50	76.9	182.7	163,300 *
55	75.3	181.4	141,100 *
60	73.6	179.9	123,000 *
65	72.0	178.3	107,900 *
70	70.3	176.5	95,100 *
75	68.6	174.5	84,100 *
80	66.8	172.3	74,500 *
85	65.1	170.0	66,000 *
90	63.3	167.5	57,600 *
95	61.5	164.8	48,900 *
100	59.6	161.8	41,200 *
105	57.8	158.7	34,400 *
110	55.8	155.3	28,200 *
115	53.9	151.7	22,600 *
120	51.8	147.7	17,500 *
125	49.8	143.5	12,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	168,000 *
48	78.3	193.4	163,200 *
50	77.6	193.0	158,500 *
55	76.1	191.7	139,100 *
60	74.5	190.3	121,000 *
65	72.9	188.8	106,100 *
70	71.4	187.1	93,400 *
75	69.7	185.3	82,500 *
80	68.1	183.2	72,900 *
85	66.5	181.1	64,600 *
90	64.8	178.7	57,100 *
95	63.1	176.2	50,000 *
100	61.4	173.4	42,300 *
105	59.7	170.5	35,400 *
110	57.9	167.4	29,100 *
115	56.1	164.0	23,500 *
120	54.2	160.4	18,400 *
125	52.3	156.6	13,700 *

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	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	149,700 *
55	76.8	202.1	137,200 *
60	75.3	200.7	119,200 *
65	73.8	199.3	104,300 *
70	72.3	197.7	91,600 *
75	70.8	195.9	80,800 *
80	69.3	194.0	71,400 *
85	67.7	192.0	63,100 *
90	66.2	189.8	55,700 *
95	64.6	187.4	49,100 *
100	63.0	184.8	43,100 *
105	61.3	182.1	36,100 *
110	59.7	179.2	29,800 *
115	58.0	176.0	24,100 *
120	56.3	172.7	18,900 *
125	54.5	169.1	14,200 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	448,700 *
25	78.7	85.9	442,200 *
26	78.0	85.6	424,100 *
27	77.3	85.4	407,300 *
28	76.5	85.1	391,500 *
29	75.8	84.8	376,800 *
30	75.0	84.5	363,000 *
32	73.5	83.9	337,900 *
34	72.0	83.2	312,100 *
36	70.5	82.4	281,900 *
38	68.9	81.6	255,700 *
40	67.3	80.7	232,800 *
42	65.8	79.8	212,500 *
44	64.2	78.7	194,500 *
46	62.5	77.6	178,400 *
48	60.9	76.5	163,800 *
50	59.2	75.2	150,700 *
55	54.8	71.7	122,800 *
60	50.2	67.6	100,200 *
65	45.1	62.7	81,400 *
70	39.6	56.8	64,200 *
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	435,800 *
26	79.3	95.9	425,100 *
27	78.7	95.7	408,300 *
28	78.0	95.4	392,600 *
29	77.4	95.2	377,900 *
30	76.7	94.9	364,200 *
32	75.4	94.4	339,100 *
34	74.1	93.7	316,800 *
36	72.7	93.1	292,600 *
38	71.4	92.4	265,900 *
40	70.0	91.6	242,500 *
42	68.6	90.8	221,900 *
44	67.2	89.9	203,600 *
46	65.8	88.9	187,200 *
48	64.4	87.9	172,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	159,100 *
55	59.3	83.9	130,700 *
60	55.4	80.4	107,800 *
65	51.3	76.5	88,900 *
70	47.0	71.8	72,900 *
75	42.3	66.5	59,300 *
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	415,600 *
27	79.8	105.9	408,700 *
28	79.3	105.7	393,100 *
29	78.7	105.5	378,400 *
30	78.1	105.2	364,700 *
32	76.9	104.7	339,700 *
34	75.7	104.2	317,400 *
36	74.5	103.6	295,100 *
38	73.3	103.0	272,500 *
40	72.1	102.3	251,100 *
42	70.9	101.5	230,000 *
44	69.7	100.8	211,300 *
46	68.4	99.9	194,600 *
48	67.2	99.0	179,600 *
50	65.9	98.1	166,000 *
55	62.7	95.5	137,000 *
60	59.3	92.5	113,800 *
65	55.9	89.2	94,600 *
70	52.3	85.3	78,500 *
75	48.5	80.9	64,700 *
80	44.4	75.9	52,900 *
85	40.0	70.0	42,500 *
90	35.1	63.1	32,400 *
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	309,500 *
34	77.0	114.6	304,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	292,000 *
38	74.9	113.4	269,800 *
40	73.8	112.8	250,200 *
42	72.7	112.2	232,800 *
44	71.6	111.5	216,700 *
46	70.5	110.7	200,700 *
48	69.4	109.9	186,500 *
50	68.2	109.1	172,800 *
55	65.4	106.8	143,300 *
60	62.4	104.2	119,500 *
65	59.4	101.2	99,900 *
70	56.3	97.9	83,600 *
75	53.0	94.1	69,600 *
80	49.6	89.9	57,600 *
85	46.0	85.1	47,200 *
90	42.2	79.7	37,900 *
95	38.0	73.4	29,700 *
100	33.3	66.0	21,500 *
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	302,000 *
36	77.2	124.4	286,800 *
38	76.2	123.8	265,100 *
40	75.2	123.3	246,000 *
42	74.2	122.7	229,000 *
44	73.2	122.0	213,700 *
46	72.2	121.4	200,100 *
48	71.2	120.6	187,500 *
50	70.1	119.9	174,700 *
55	67.6	117.8	147,800 *
60	64.9	115.5	123,900 *
65	62.2	112.8	104,000 *
70	59.5	109.9	87,400 *
75	56.6	106.6	73,300 *
80	53.6	102.9	61,200 *
85	50.6	98.8	50,700 *
90	47.3	94.2	41,400 *
95	43.9	89.1	33,200 *
100	40.2	83.3	25,800 *
105	36.2	76.6	19,100 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	293,100 *
36	78.2	134.6	281,600 *
38	77.3	134.2	260,400 *
40	76.4	133.6	241,700 *
42	75.4	133.1	225,100 *
44	74.5	132.5	210,300 *
46	73.6	131.9	196,900 *
48	72.7	131.2	184,800 *
50	71.7	130.5	173,800 *
55	69.4	128.7	149,000
60	67.0	126.5	127,600
65	64.5	124.1	108,200 *
70	62.1	121.5	91,400 *
75	59.5	118.5	77,200 *
80	56.9	115.3	64,900 *
85	54.2	111.7	54,300 *
90	51.3	107.7	45,000 *
95	48.4	103.3	36,800 *
100	45.3	98.4	29,400 *
105	42.0	92.9	22,800 *
110	38.5	86.7	16,700 *
115	34.7	79.7	11,200 *
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	284,200 *
36	79.0	144.9	272,700 *
38	78.2	144.4	255,100 *
40	77.4	144.0	236,800 *
42	76.5	143.5	220,600 *
44	75.7	142.9	206,100 *
46	74.8	142.3	193,000 *
48	74.0	141.7	181,100 *
50	73.1	141.1	170,400 *
55	70.9	139.4	147,100 *
60	68.7	137.4	128,000 *
65	66.5	135.2	110,700
70	64.2	132.8	94,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
75	61.9	130.1	79,700 *
80	59.5	127.2	67,400 *
85	57.1	124.0	56,700 *
90	54.6	120.4	47,300 *
95	52.0	116.5	39,000 *
100	49.3	112.2	31,600 *
105	46.5	107.5	24,900 *
110	43.5	102.3	18,900 *
115	40.4	96.5	13,500 *
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	232,400 *
40	78.2	154.2	225,200 *
42	77.4	153.8	218,100 *
44	76.6	153.3	203,600 *
46	75.8	152.7	190,800 *
48	75.1	152.2	179,000 *
50	74.3	151.6	168,300 *
55	72.3	150.0	145,300 *
60	70.2	148.2	126,400 *
65	68.2	146.2	110,600 *
70	66.1	143.9	96,700
75	63.9	141.5	82,400 *
80	61.8	138.8	69,900 *
85	59.6	135.9	59,000 *
90	57.3	132.6	49,500 *
95	55.0	129.1	41,200 *
100	52.6	125.3	33,700 *
105	50.1	121.2	27,000 *
110	47.5	116.6	20,900 *
115	44.8	111.6	15,400 *
120	42.0	106.1	10,400 *
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	215,600 *
42	78.2	164.0	208,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
44	77.5	163.6	199,600 *
46	76.8	163.1	186,800 *
48	76.0	162.6	175,200 *
50	75.3	162.0	164,700 *
55	73.4	160.5	142,200 *
60	71.5	158.8	123,700 *
65	69.6	157.0	108,300 *
70	67.7	154.9	95,200 *
75	65.7	152.6	83,800 *
80	63.7	150.2	71,700 *
85	61.7	147.5	60,700 *
90	59.6	144.5	51,100 *
95	57.5	141.3	42,700 *
100	55.3	137.9	35,200 *
105	53.1	134.1	28,400 *
110	50.7	130.1	22,400 *
115	48.4	125.6	16,900 *
120	45.9	120.8	11,900 *
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	200,300 *
44	78.2	173.8	193,800 *
46	77.5	173.4	183,700 *
48	76.9	172.9	172,300 *
50	76.2	172.4	162,000 *
55	74.4	171.0	139,800 *
60	72.6	169.4	121,700 *
65	70.9	167.6	106,500 *
70	69.1	165.7	93,600 *
75	67.2	163.6	82,500 *
80	65.4	161.3	72,800 *
85	63.5	158.8	62,800 *
90	61.6	156.1	53,100 *
95	59.6	153.2	44,600 *
100	57.6	150.0	37,000 *
105	55.6	146.6	30,300 *
110	53.5	142.9	24,200 *
115	51.3	138.9	18,700 *
120	49.1	134.6	13,600 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	184,300 *
46	78.3	183.6	178,200 *
48	77.6	183.2	169,900 *
50	76.9	182.7	159,600 *
55	75.3	181.4	137,500 *
60	73.6	179.9	119,500 *
65	72.0	178.3	104,500 *
70	70.3	176.5	91,800 *
75	68.6	174.5	80,800 *
80	66.8	172.3	71,200 *
85	65.1	170.0	62,800 *
90	63.3	167.5	54,400 *
95	61.5	164.8	45,800 *
100	59.6	161.8	38,100 *
105	57.8	158.7	31,300 *
110	55.8	155.3	25,200 *
115	53.9	151.7	19,600 *
120	51.8	147.7	14,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	164,700 *
48	78.3	193.4	159,900 *
50	77.6	193.0	155,200 *
55	76.1	191.7	135,500 *
60	74.5	190.3	117,600 *
65	72.9	188.8	102,700 *
70	71.4	187.1	90,100 *
75	69.7	185.3	79,200 *
80	68.1	183.2	69,800 *
85	66.5	181.1	61,400 *
90	64.8	178.7	54,000 *
95	63.1	176.2	47,000 *
100	61.4	173.4	39,300 *
105	59.7	170.5	32,400 *
110	57.9	167.4	26,100 *
115	56.1	164.0	20,500 *
120	54.2	160.4	15,400 *
125	52.3	156.6	10,800 *

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	179,300 *
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	146,400 *
55	76.8	202.1	133,700 *
60	75.3	200.7	115,800 *
65	73.8	199.3	101,000 *
70	72.3	197.7	88,400 *
75	70.8	195.9	77,600 *
80	69.3	194.0	68,200 *
85	67.7	192.0	60,000 *
90	66.2	189.8	52,600 *
95	64.6	187.4	46,000 *
100	63.0	184.8	40,100 *
105	61.3	182.1	33,100 *
110	59.7	179.2	26,900 *
115	58.0	176.0	21,200 *
120	56.3	172.7	16,100 *
125	54.5	169.1	11,400 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	442,400 *
25	78.7	85.9	438,200 *
26	78.0	85.6	420,600 *
27	77.3	85.4	403,800 *
28	76.5	85.1	388,100 *
29	75.8	84.8	373,400 *
30	75.0	84.5	359,600 *
32	73.5	83.9	334,500 *
34	72.0	83.2	306,300 *
36	70.5	82.4	276,200 *
38	68.9	81.6	250,200 *
40	67.3	80.7	227,300 *
42	65.8	79.8	207,200 *
44	64.2	78.7	189,200 *
46	62.5	77.6	173,200 *
48	60.9	76.5	158,700 *
50	59.2	75.2	145,600 *
55	54.8	71.7	117,800 *
60	50.2	67.6	95,300 *
65	45.1	62.7	76,600 *
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	430,000 *
26	79.3	95.9	421,800 *
27	78.7	95.7	405,000 *
28	78.0	95.4	389,300 *
29	77.4	95.2	374,700 *
30	76.7	94.9	360,900 *
32	75.4	94.4	335,900 *
34	74.1	93.7	313,600 *
36	72.7	93.1	287,200 *
38	71.4	92.4	260,600 *
40	70.0	91.6	237,400 *
42	68.6	90.8	216,800 *
44	67.2	89.9	198,600 *
46	65.8	88.9	182,300 *
48	64.4	87.9	167,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	154,300 *
55	59.3	83.9	126,000 *
60	55.4	80.4	103,200 *
65	51.3	76.5	84,400 *
70	47.0	71.8	68,500 *
75	42.3	66.5	54,900 *
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	410,300 *
27	79.8	105.9	405,500 *
28	79.3	105.7	389,900 *
29	78.7	105.5	375,300 *
30	78.1	105.2	361,600 *
32	76.9	104.7	336,600 *
34	75.7	104.2	314,300 *
36	74.5	103.6	289,900 *
38	73.3	103.0	267,500 *
40	72.1	102.3	246,100 *
42	70.9	101.5	225,200 *
44	69.7	100.8	206,600 *
46	68.4	99.9	189,900 *
48	67.2	99.0	175,000 *
50	65.9	98.1	161,400 *
55	62.7	95.5	132,600 *
60	59.3	92.5	109,400 *
65	55.9	89.2	90,300 *
70	52.3	85.3	74,300 *
75	48.5	80.9	60,700 *
80	44.4	75.9	48,800 *
85	40.0	70.0	38,500 *
90	35.1	63.1	28,500 *
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	305,800 *
34	77.0	114.6	301,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	287,000 *
38	74.9	113.4	264,900 *
40	73.8	112.8	245,500 *
42	72.7	112.2	228,100 *
44	71.6	111.5	212,600 *
46	70.5	110.7	197,100 *
48	69.4	109.9	182,300 *
50	68.2	109.1	168,400 *
55	65.4	106.8	139,000 *
60	62.4	104.2	115,300 *
65	59.4	101.2	95,900 *
70	56.3	97.9	79,600 *
75	53.0	94.1	65,700 *
80	49.6	89.9	53,800 *
85	46.0	85.1	43,400 *
90	42.2	79.7	34,200 *
95	38.0	73.4	26,000 *
100	33.3	66.0	17,800 *
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	299,100 *
36	77.2	124.4	282,000 *
38	76.2	123.8	260,400 *
40	75.2	123.3	241,400 *
42	74.2	122.7	224,500 *
44	73.2	122.0	209,300 *
46	72.2	121.4	195,800 *
48	71.2	120.6	183,400 *
50	70.1	119.9	171,300 *
55	67.6	117.8	143,900 *
60	64.9	115.5	119,900 *
65	62.2	112.8	100,100 *
70	59.5	109.9	83,600 *
75	56.6	106.6	69,600 *
80	53.6	102.9	57,500 *
85	50.6	98.8	47,000 *
90	47.3	94.2	37,800 *
95	43.9	89.1	29,600 *
100	40.2	83.3	22,300 *
105	36.2	76.6	15,700 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	289,600 *
36	78.2	134.6	276,900 *
38	77.3	134.2	255,800 *
40	76.4	133.6	237,300 *
42	75.4	133.1	220,800 *
44	74.5	132.5	206,000 *
46	73.6	131.9	192,700 *
48	72.7	131.2	180,700 *
50	71.7	130.5	169,700 *
55	69.4	128.7	146,000 *
60	67.0	126.5	124,400 *
65	64.5	124.1	104,400 *
70	62.1	121.5	87,700 *
75	59.5	118.5	73,600 *
80	56.9	115.3	61,400 *
85	54.2	111.7	50,800 *
90	51.3	107.7	41,600 *
95	48.4	103.3	33,400 *
100	45.3	98.4	26,000 *
105	42.0	92.9	19,500 *
110	38.5	86.7	13,500 *
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	280,100 *
36	79.0	144.9	268,600 *
38	78.2	144.4	250,700 *
40	77.4	144.0	232,500 *
42	76.5	143.5	216,400 *
44	75.7	142.9	201,900 *
46	74.8	142.3	188,900 *
48	74.0	141.7	177,100 *
50	73.1	141.1	166,400 *
55	70.9	139.4	143,300 *
60	68.7	137.4	124,300 *
65	66.5	135.2	107,400 *
70	64.2	132.8	90,500 *
75	61.9	130.1	76,200 *
80	59.5	127.2	64,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
85	57.1	124.0	53,300 *
90	54.6	120.4	43,900 *
95	52.0	116.5	35,700 *
100	49.3	112.2	28,300 *
105	46.5	107.5	21,700 *
110	43.5	102.3	15,800 *
115	40.4	96.5	10,300 *
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	229,000 *
40	78.2	154.2	221,700 *
42	77.4	153.8	213,900 *
44	76.6	153.3	199,600 *
46	75.8	152.7	186,800 *
48	75.1	152.2	175,100 *
50	74.3	151.6	164,400 *
55	72.3	150.0	141,500 *
60	70.2	148.2	122,800 *
65	68.2	146.2	107,100 *
70	66.1	143.9	93,600 *
75	63.9	141.5	79,000 *
80	61.8	138.8	66,600 *
85	59.6	135.9	55,800 *
90	57.3	132.6	46,300 *
95	55.0	129.1	38,000 *
100	52.6	125.3	30,500 *
105	50.1	121.2	23,900 *
110	47.5	116.6	17,900 *
115	44.8	111.6	12,400 *
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	212,100 *
42	78.2	164.0	205,200 *
44	77.5	163.6	195,600 *
46	76.8	163.1	182,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
48	76.0	162.6	171,400 *
50	75.3	162.0	161,000 *
55	73.4	160.5	138,500 *
60	71.5	158.8	120,200 *
65	69.6	157.0	104,900 *
70	67.7	154.9	91,800 *
75	65.7	152.6	80,500 *
80	63.7	150.2	68,400 *
85	61.7	147.5	57,500 *
90	59.6	144.5	48,000 *
95	57.5	141.3	39,600 *
100	55.3	137.9	32,100 *
105	53.1	134.1	25,400 *
110	50.7	130.1	19,400 *
115	48.4	125.6	13,900 *
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	196,800 *
44	78.2	173.8	190,400 *
46	77.5	173.4	179,900 *
48	76.9	172.9	168,600 *
50	76.2	172.4	158,300 *
55	74.4	171.0	136,200 *
60	72.6	169.4	118,200 *
65	70.9	167.6	103,200 *
70	69.1	165.7	90,400 *
75	67.2	163.6	79,300 *
80	65.4	161.3	69,700 *
85	63.5	158.8	59,700 *
90	61.6	156.1	50,100 *
95	59.6	153.2	41,600 *
100	57.6	150.0	34,100 *
105	55.6	146.6	27,300 *
110	53.5	142.9	21,300 *
115	51.3	138.9	15,800 *
120	49.1	134.6	10,800 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	180,800 *
46	78.3	183.6	174,800 *
48	77.6	183.2	166,200 *
50	76.9	182.7	156,000 *
55	75.3	181.4	134,000 *
60	73.6	179.9	116,100 *
65	72.0	178.3	101,200 *
70	70.3	176.5	88,600 *
75	68.6	174.5	77,700 *
80	66.8	172.3	68,100 *
85	65.1	170.0	59,700 *
90	63.3	167.5	51,400 *
95	61.5	164.8	42,900 *
100	59.6	161.8	35,200 *
105	57.8	158.7	28,400 *
110	55.8	155.3	22,300 *
115	53.9	151.7	16,800 *
120	51.8	147.7	11,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	161,500 *
48	78.3	193.4	156,700 *
50	77.6	193.0	152,000 *
55	76.1	191.7	132,100 *
60	74.5	190.3	114,300 *
65	72.9	188.8	99,500 *
70	71.4	187.1	86,900 *
75	69.7	185.3	76,100 *
80	68.1	183.2	66,700 *
85	66.5	181.1	58,400 *
90	64.8	178.7	51,100 *
95	63.1	176.2	44,100 *
100	61.4	173.4	36,400 *
105	59.7	170.5	29,500 *
110	57.9	167.4	23,400 *
115	56.1	164.0	17,800 *
120	54.2	160.4	12,700 *

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	176,200 *
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	143,200 *
55	76.8	202.1	130,300 *
60	75.3	200.7	112,500 *
65	73.8	199.3	97,800 *
70	72.3	197.7	85,300 *
75	70.8	195.9	74,600 *
80	69.3	194.0	65,200 *
85	67.7	192.0	57,000 *
90	66.2	189.8	49,700 *
95	64.6	187.4	43,200 *
100	63.0	184.8	37,300 *
105	61.3	182.1	30,400 *
110	59.7	179.2	24,100 *
115	58.0	176.0	18,500 *
120	56.3	172.7	13,400 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	435,300 *
25	78.7	85.9	430,900 *
26	78.0	85.6	416,900 *
27	77.3	85.4	400,100 *
28	76.5	85.1	384,400 *
29	75.8	84.8	369,800 *
30	75.0	84.5	356,000 *
32	73.5	83.9	330,900 *
34	72.0	83.2	300,200 *
36	70.5	82.4	270,200 *
38	68.9	81.6	244,200 *
40	67.3	80.7	221,500 *
42	65.8	79.8	201,400 *
44	64.2	78.7	183,600 *
46	62.5	77.6	167,600 *
48	60.9	76.5	153,100 *
50	59.2	75.2	140,100 *
55	54.8	71.7	112,400 *
60	50.2	67.6	90,000 *
65	45.1	62.7	71,500 *
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	423,400 *
26	79.3	95.9	418,200 *
27	78.7	95.7	401,500 *
28	78.0	95.4	385,800 *
29	77.4	95.2	371,200 *
30	76.7	94.9	357,500 *
32	75.4	94.4	332,400 *
34	74.1	93.7	310,100 *
36	72.7	93.1	281,500 *
38	71.4	92.4	255,000 *
40	70.0	91.6	231,900 *
42	68.6	90.8	211,400 *
44	67.2	89.9	193,200 *
46	65.8	88.9	177,000 *
48	64.4	87.9	162,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	149,100 *
55	59.3	83.9	121,000 *
60	55.4	80.4	98,300 *
65	51.3	76.5	79,500 *
70	47.0	71.8	63,700 *
75	42.3	66.5	50,200 *
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	404,200 *
27	79.8	105.9	400,200 *
28	79.3	105.7	386,500 *
29	78.7	105.5	371,900 *
30	78.1	105.2	358,200 *
32	76.9	104.7	333,300 *
34	75.7	104.2	310,000 *
36	74.5	103.6	284,500 *
38	73.3	103.0	262,100 *
40	72.1	102.3	240,900 *
42	70.9	101.5	220,000 *
44	69.7	100.8	201,500 *
46	68.4	99.9	184,900 *
48	67.2	99.0	170,000 *
50	65.9	98.1	156,500 *
55	62.7	95.5	127,800 *
60	59.3	92.5	104,700 *
65	55.9	89.2	85,700 *
70	52.3	85.3	69,800 *
75	48.5	80.9	56,200 *
80	44.4	75.9	44,400 *
85	40.0	70.0	34,100 *
90	35.1	63.1	24,200 *
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	301,700 *
34	77.0	114.6	296,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	281,700 *
38	74.9	113.4	259,800 *
40	73.8	112.8	240,400 *
42	72.7	112.2	223,200 *
44	71.6	111.5	207,700 *
46	70.5	110.7	192,800 *
48	69.4	109.9	177,500 *
50	68.2	109.1	163,700 *
55	65.4	106.8	134,400 *
60	62.4	104.2	110,800 *
65	59.4	101.2	91,500 *
70	56.3	97.9	75,200 *
75	53.0	94.1	61,400 *
80	49.6	89.9	49,500 *
85	46.0	85.1	39,200 *
90	42.2	79.7	30,100 *
95	38.0	73.4	21,900 *
100	33.3	66.0	13,800 *
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	295,700 *
36	77.2	124.4	276,800 *
38	76.2	123.8	255,400 *
40	75.2	123.3	236,500 *
42	74.2	122.7	219,600 *
44	73.2	122.0	204,600 *
46	72.2	121.4	191,100 *
48	71.2	120.6	178,700 *
50	70.1	119.9	167,500 *
55	67.6	117.8	139,500 *
60	64.9	115.5	115,500 *
65	62.2	112.8	95,900 *
70	59.5	109.9	79,400 *
75	56.6	106.6	65,500 *
80	53.6	102.9	53,500 *
85	50.6	98.8	43,000 *
90	47.3	94.2	33,900 *
95	43.9	89.1	25,700 *
100	40.2	83.3	18,400 *
105	36.2	76.6	11,800 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	285,200 *
36	78.2	134.6	271,900 *
38	77.3	134.2	251,000 *
40	76.4	133.6	232,500 *
42	75.4	133.1	216,100 *
44	74.5	132.5	201,400 *
46	73.6	131.9	188,200 *
48	72.7	131.2	176,200 *
50	71.7	130.5	165,300 *
55	69.4	128.7	141,700 *
60	67.0	126.5	120,300 *
65	64.5	124.1	100,300 *
70	62.1	121.5	83,700 *
75	59.5	118.5	69,600 *
80	56.9	115.3	57,500 *
85	54.2	111.7	47,000 *
90	51.3	107.7	37,800 *
95	48.4	103.3	29,600 *
100	45.3	98.4	22,300 *
105	42.0	92.9	15,800 *
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	275,700 *
36	79.0	144.9	264,200 *
38	78.2	144.4	246,000 *
40	77.4	144.0	227,900 *
42	76.5	143.5	211,800 *
44	75.7	142.9	197,500 *
46	74.8	142.3	184,500 *
48	74.0	141.7	172,800 *
50	73.1	141.1	162,100 *
55	70.9	139.4	139,200 *
60	68.7	137.4	120,300 *
65	66.5	135.2	103,400 *
70	64.2	132.8	86,600 *
75	61.9	130.1	72,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
80	59.5	127.2	60,200 *
85	57.1	124.0	49,600 *
90	54.6	120.4	40,300 *
95	52.0	116.5	32,000 *
100	49.3	112.2	24,700 *
105	46.5	107.5	18,200 *
110	43.5	102.3	12,200 *
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	225,100 *
40	78.2	154.2	217,900 *
42	77.4	153.8	209,500 *
44	76.6	153.3	195,200 *
46	75.8	152.7	182,500 *
48	75.1	152.2	170,800 *
50	74.3	151.6	160,200 *
55	72.3	150.0	137,500 *
60	70.2	148.2	118,800 *
65	68.2	146.2	103,200 *
70	66.1	143.9	89,800 *
75	63.9	141.5	75,300 *
80	61.8	138.8	62,900 *
85	59.6	135.9	52,100 *
90	57.3	132.6	42,700 *
95	55.0	129.1	34,400 *
100	52.6	125.3	27,000 *
105	50.1	121.2	20,400 *
110	47.5	116.6	14,400 *
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	208,300 *
42	78.2	164.0	201,400 *
44	77.5	163.6	191,400 *
46	76.8	163.1	178,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
48	76.0	162.6	167,300 *
50	75.3	162.0	156,900 *
55	73.4	160.5	134,600 *
60	71.5	158.8	116,300 *
65	69.6	157.0	101,100 *
70	67.7	154.9	88,100 *
75	65.7	152.6	76,800 *
80	63.7	150.2	64,800 *
85	61.7	147.5	54,000 *
90	59.6	144.5	44,500 *
95	57.5	141.3	36,100 *
100	55.3	137.9	28,700 *
105	53.1	134.1	22,000 *
110	50.7	130.1	16,000 *
115	48.4	125.6	10,600 *
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	193,000 *
44	78.2	173.8	186,600 *
46	77.5	173.4	175,800 *
48	76.9	172.9	164,500 *
50	76.2	172.4	154,300 *
55	74.4	171.0	132,400 *
60	72.6	169.4	114,500 *
65	70.9	167.6	99,500 *
70	69.1	165.7	86,800 *
75	67.2	163.6	75,800 *
80	65.4	161.3	66,200 *
85	63.5	158.8	56,200 *
90	61.6	156.1	46,700 *
95	59.6	153.2	38,200 *
100	57.6	150.0	30,700 *
105	55.6	146.6	24,000 *
110	53.5	142.9	18,000 *
115	51.3	138.9	12,500 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	177,100 *
46	78.3	183.6	171,100 *
48	77.6	183.2	162,200 *
50	76.9	182.7	152,000 *
55	75.3	181.4	130,200 *
60	73.6	179.9	112,400 *
65	72.0	178.3	97,600 *
70	70.3	176.5	85,000 *
75	68.6	174.5	74,200 *
80	66.8	172.3	64,700 *
85	65.1	170.0	56,300 *
90	63.3	167.5	48,100 *
95	61.5	164.8	39,600 *
100	59.6	161.8	32,000 *
105	57.8	158.7	25,200 *
110	55.8	155.3	19,100 *
115	53.9	151.7	13,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	153,100 *
50	77.6	193.0	148,400 *
55	76.1	191.7	128,400 *
60	74.5	190.3	110,600 *
65	72.9	188.8	95,900 *
70	71.4	187.1	83,400 *
75	69.7	185.3	72,700 *
80	68.1	183.2	63,400 *
85	66.5	181.1	55,100 *
90	64.8	178.7	47,800 *
95	63.1	176.2	40,800 *
100	61.4	173.4	33,200 *
105	59.7	170.5	26,400 *
110	57.9	167.4	20,200 *
115	56.1	164.0	14,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	139,700 *
55	76.8	202.1	126,600 *
60	75.3	200.7	108,900 *
65	73.8	199.3	94,300 *
70	72.3	197.7	81,900 *
75	70.8	195.9	71,200 *
80	69.3	194.0	61,900 *
85	67.7	192.0	53,800 *
90	66.2	189.8	46,500 *
95	64.6	187.4	40,000 *
100	63.0	184.8	34,100 *
105	61.3	182.1	27,200 *
110	59.7	179.2	21,000 *
115	58.0	176.0	15,400 *
120	56.3	172.7	10,300 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	424,900 *
26	78.0	85.6	413,900 *
27	77.3	85.4	397,100 *
28	76.5	85.1	381,400 *
29	75.8	84.8	366,700 *
30	75.0	84.5	353,000 *
32	73.5	83.9	327,900 *
34	72.0	83.2	295,000 *
36	70.5	82.4	265,100 *
38	68.9	81.6	239,300 *
40	67.3	80.7	216,600 *
42	65.8	79.8	196,700 *
44	64.2	78.7	178,900 *
46	62.5	77.6	163,000 *
48	60.9	76.5	148,600 *
50	59.2	75.2	135,700 *
55	54.8	71.7	108,100 *
60	50.2	67.6	85,900 *
65	45.1	62.7	67,400 *
70	39.6	56.8	50,500 *
75	33.3	49.4	30,700 *
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	417,100 *
26	79.3	95.9	412,800 *
27	78.7	95.7	398,500 *
28	78.0	95.4	382,900 *
29	77.4	95.2	368,300 *
30	76.7	94.9	354,600 *
32	75.4	94.4	329,600 *
34	74.1	93.7	307,200 *
36	72.7	93.1	276,700 *
38	71.4	92.4	250,400 *
40	70.0	91.6	227,300 *
42	68.6	90.8	206,900 *
44	67.2	89.9	188,900 *
46	65.8	88.9	172,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
48	64.4	87.9	158,100 *
50	63.0	86.8	145,000 *
55	59.3	83.9	117,000 *
60	55.4	80.4	94,400 *
65	51.3	76.5	75,700 *
70	47.0	71.8	60,000 *
75	42.3	66.5	46,600 *
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	398,500 *
27	79.8	105.9	394,400 *
28	79.3	105.7	383,800 *
29	78.7	105.5	369,200 *
30	78.1	105.2	355,500 *
32	76.9	104.7	330,600 *
34	75.7	104.2	305,300 *
36	74.5	103.6	279,900 *
38	73.3	103.0	257,700 *
40	72.1	102.3	236,600 *
42	70.9	101.5	215,800 *
44	69.7	100.8	197,300 *
46	68.4	99.9	180,800 *
48	67.2	99.0	166,000 *
50	65.9	98.1	152,600 *
55	62.7	95.5	124,000 *
60	59.3	92.5	101,000 *
65	55.9	89.2	82,100 *
70	52.3	85.3	66,300 *
75	48.5	80.9	52,800 *
80	44.4	75.9	41,100 *
85	40.0	70.0	30,900 *
90	35.1	63.1	21,000 *
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	297,900 *
34	77.0	114.6	293,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	277,300 *
38	74.9	113.4	255,500 *
40	73.8	112.8	236,200 *
42	72.7	112.2	219,100 *
44	71.6	111.5	203,700 *
46	70.5	110.7	188,900 *
48	69.4	109.9	173,700 *
50	68.2	109.1	159,900 *
55	65.4	106.8	130,800 *
60	62.4	104.2	107,300 *
65	59.4	101.2	88,000 *
70	56.3	97.9	71,900 *
75	53.0	94.1	58,200 *
80	49.6	89.9	46,300 *
85	46.0	85.1	36,100 *
90	42.2	79.7	27,000 *
95	38.0	73.4	18,900 *
100	33.3	66.0	10,900 *
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	297,200 *
34	78.1	124.8	293,200 *
36	77.2	124.4	272,600 *
38	76.2	123.8	251,200 *
40	75.2	123.3	232,400 *
42	74.2	122.7	215,700 *
44	73.2	122.0	200,700 *
46	72.2	121.4	187,300 *
48	71.2	120.6	175,000 *
50	70.1	119.9	163,800 *
55	67.6	117.8	136,000 *
60	64.9	115.5	112,200 *
65	62.2	112.8	92,600 *
70	59.5	109.9	76,200 *
75	56.6	106.6	62,300 *
80	53.6	102.9	50,400 *
85	50.6	98.8	40,000 *
90	47.3	94.2	30,900 *
95	43.9	89.1	22,800 *
100	40.2	83.3	15,600 *

Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	281,100 *
36	78.2	134.6	267,800 *
38	77.3	134.2	247,000 *
40	76.4	133.6	228,600 *
42	75.4	133.1	212,300 *
44	74.5	132.5	197,700 *
46	73.6	131.9	184,600 *
48	72.7	131.2	172,700 *
50	71.7	130.5	161,800 *
55	69.4	128.7	138,300 *
60	67.0	126.5	117,000 *
65	64.5	124.1	97,200 *
70	62.1	121.5	80,600 *
75	59.5	118.5	66,600 *
80	56.9	115.3	54,600 *
85	54.2	111.7	44,100 *
90	51.3	107.7	34,900 *
95	48.4	103.3	26,800 *
100	45.3	98.4	19,600 *
105	42.0	92.9	13,100 *
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	271,600 *
36	79.0	144.9	260,200 *
38	78.2	144.4	242,100 *
40	77.4	144.0	224,100 *
42	76.5	143.5	208,100 *
44	75.7	142.9	193,900 *
46	74.8	142.3	181,000 *
48	74.0	141.7	169,400 *
50	73.1	141.1	158,800 *
55	70.9	139.4	135,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
60	68.7	137.4	117,100 *
65	66.5	135.2	100,400 *
70	64.2	132.8	83,700 *
75	61.9	130.1	69,500 *
80	59.5	127.2	57,400 *
85	57.1	124.0	46,800 *
90	54.6	120.4	37,500 *
95	52.0	116.5	29,400 *
100	49.3	112.2	22,100 *
105	46.5	107.5	15,600 *
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	221,700 *
40	78.2	154.2	214,400 *
42	77.4	153.8	205,900 *
44	76.6	153.3	191,700 *
46	75.8	152.7	179,000 *
48	75.1	152.2	167,500 *
50	74.3	151.6	156,900 *
55	72.3	150.0	134,300 *
60	70.2	148.2	115,800 *
65	68.2	146.2	100,300 *
70	66.1	143.9	86,900 *
75	63.9	141.5	72,500 *
80	61.8	138.8	60,200 *
85	59.6	135.9	49,500 *
90	57.3	132.6	40,100 *
95	55.0	129.1	31,800 *
100	52.6	125.3	24,500 *
105	50.1	121.2	17,900 *
110	47.5	116.6	12,000 *
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	204,800 *
42	78.2	164.0	198,000 *
44	77.5	163.6	187,900 *
46	76.8	163.1	175,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
48	76.0	162.6	164,000 *
50	75.3	162.0	153,700 *
55	73.4	160.5	131,500 *
60	71.5	158.8	113,400 *
65	69.6	157.0	98,300 *
70	67.7	154.9	85,300 *
75	65.7	152.6	74,100 *
80	63.7	150.2	62,200 *
85	61.7	147.5	51,400 *
90	59.6	144.5	42,000 *
95	57.5	141.3	33,600 *
100	55.3	137.9	26,200 *
105	53.1	134.1	19,600 *
110	50.7	130.1	13,600 *
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	189,600 *
44	78.2	173.8	183,100 *
46	77.5	173.4	172,600 *
48	76.9	172.9	161,400 *
50	76.2	172.4	151,200 *
55	74.4	171.0	129,400 *
60	72.6	169.4	111,600 *
65	70.9	167.6	96,700 *
70	69.1	165.7	84,100 *
75	67.2	163.6	73,100 *
80	65.4	161.3	63,600 *
85	63.5	158.8	53,700 *
90	61.6	156.1	44,200 *
95	59.6	153.2	35,800 *
100	57.6	150.0	28,400 *
105	55.6	146.6	21,700 *
110	53.5	142.9	15,700 *
115	51.3	138.9	10,200 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	173,700 *
46	78.3	183.6	167,700 *
48	77.6	183.2	159,100 *
50	76.9	182.7	149,000 *
55	75.3	181.4	127,300 *
60	73.6	179.9	109,600 *
65	72.0	178.3	94,900 *
70	70.3	176.5	82,400 *
75	68.6	174.5	71,600 *
80	66.8	172.3	62,200 *
85	65.1	170.0	53,900 *
90	63.3	167.5	45,700 *
95	61.5	164.8	37,200 *
100	59.6	161.8	29,700 *
105	57.8	158.7	22,900 *
110	55.8	155.3	16,900 *
115	53.9	151.7	11,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	149,900 *
50	77.6	193.0	145,200 *
55	76.1	191.7	125,500 *
60	74.5	190.3	107,900 *
65	72.9	188.8	93,300 *
70	71.4	187.1	80,900 *
75	69.7	185.3	70,200 *
80	68.1	183.2	60,900 *
85	66.5	181.1	52,700 *
90	64.8	178.7	45,400 *
95	63.1	176.2	38,500 *
100	61.4	173.4	30,900 *
105	59.7	170.5	24,100 *
110	57.9	167.4	18,000 *
115	56.1	164.0	12,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	136,600 *
55	76.8	202.1	123,800 *
60	75.3	200.7	106,200 *
65	73.8	199.3	91,700 *
70	72.3	197.7	79,300 *
75	70.8	195.9	68,700 *
80	69.3	194.0	59,500 *
85	67.7	192.0	51,400 *
90	66.2	189.8	44,200 *
95	64.6	187.4	37,800 *
100	63.0	184.8	31,900 *
105	61.3	182.1	25,100 *
110	59.7	179.2	18,900 *
115	58.0	176.0	13,300 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	417,200 *
26	78.0	85.6	410,000 *
27	77.3	85.4	393,200 *
28	76.5	85.1	377,500 *
29	75.8	84.8	362,900 *
30	75.0	84.5	349,100 *
32	73.5	83.9	323,100 *
34	72.0	83.2	288,500 *
36	70.5	82.4	258,800 *
38	68.9	81.6	233,000 *
40	67.3	80.7	210,500 *
42	65.8	79.8	190,600 *
44	64.2	78.7	172,900 *
46	62.5	77.6	157,100 *
48	60.9	76.5	142,800 *
50	59.2	75.2	129,900 *
55	54.8	71.7	102,500 *
60	50.2	67.6	80,300 *
65	45.1	62.7	61,900 *
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	411,000 *
26	79.3	95.9	406,500 *
27	78.7	95.7	394,900 *
28	78.0	95.4	379,200 *
29	77.4	95.2	364,600 *
30	76.7	94.9	350,900 *
32	75.4	94.4	326,000 *
34	74.1	93.7	301,000 *
36	72.7	93.1	270,700 *
38	71.4	92.4	244,500 *
40	70.0	91.6	221,500 *
42	68.6	90.8	201,200 *
44	67.2	89.9	183,200 *
46	65.8	88.9	167,100 *
48	64.4	87.9	152,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	139,500 *
55	59.3	83.9	111,600 *
60	55.4	80.4	89,200 *
65	51.3	76.5	70,600 *
70	47.0	71.8	55,000 *
75	42.3	66.5	41,700 *
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	388,700 *
28	79.3	105.7	380,200 *
29	78.7	105.5	365,700 *
30	78.1	105.2	352,000 *
32	76.9	104.7	327,100 *
34	75.7	104.2	299,400 *
36	74.5	103.6	274,200 *
38	73.3	103.0	252,100 *
40	72.1	102.3	231,000 *
42	70.9	101.5	210,300 *
44	69.7	100.8	192,000 *
46	68.4	99.9	175,500 *
48	67.2	99.0	160,800 *
50	65.9	98.1	147,400 *
55	62.7	95.5	119,000 *
60	59.3	92.5	96,100 *
65	55.9	89.2	77,300 *
70	52.3	85.3	61,500 *
75	48.5	80.9	48,100 *
80	44.4	75.9	36,500 *
85	40.0	70.0	26,300 *
90	35.1	63.1	16,500 *
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	294,100 *
34	77.0	114.6	289,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	271,700 *
38	74.9	113.4	250,000 *
40	73.8	112.8	230,900 *
42	72.7	112.2	213,800 *
44	71.6	111.5	198,500 *
46	70.5	110.7	183,800 *
48	69.4	109.9	168,600 *
50	68.2	109.1	155,000 *
55	65.4	106.8	125,900 *
60	62.4	104.2	102,600 *
65	59.4	101.2	83,400 *
70	56.3	97.9	67,300 *
75	53.0	94.1	53,700 *
80	49.6	89.9	41,900 *
85	46.0	85.1	31,700 *
90	42.2	79.7	22,700 *
95	38.0	73.4	14,700 *
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	293,800 *
34	78.1	124.8	289,700 *
36	77.2	124.4	267,200 *
38	76.2	123.8	246,000 *
40	75.2	123.3	227,300 *
42	74.2	122.7	210,600 *
44	73.2	122.0	195,700 *
46	72.2	121.4	182,400 *
48	71.2	120.6	170,200 *
50	70.1	119.9	159,000 *
55	67.6	117.8	131,400 *
60	64.9	115.5	107,600 *
65	62.2	112.8	88,100 *
70	59.5	109.9	71,800 *
75	56.6	106.6	58,000 *
80	53.6	102.9	46,200 *
85	50.6	98.8	35,800 *
90	47.3	94.2	26,800 *
95	43.9	89.1	18,800 *
100	40.2	83.3	11,600 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	277,200 *
36	78.2	134.6	262,600 *
38	77.3	134.2	241,900 *
40	76.4	133.6	223,600 *
42	75.4	133.1	207,400 *
44	74.5	132.5	192,900 *
46	73.6	131.9	179,800 *
48	72.7	131.2	168,000 *
50	71.7	130.5	157,200 *
55	69.4	128.7	133,900 *
60	67.0	126.5	112,600 *
65	64.5	124.1	92,900 *
70	62.1	121.5	76,400 *
75	59.5	118.5	62,500 *
80	56.9	115.3	50,500 *
85	54.2	111.7	40,100 *
90	51.3	107.7	31,000 *
95	48.4	103.3	22,900 *
100	45.3	98.4	15,700 *
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	267,700 *
36	79.0	144.9	256,300 *
38	78.2	144.4	237,100 *
40	77.4	144.0	219,300 *
42	76.5	143.5	203,400 *
44	75.7	142.9	189,200 *
46	74.8	142.3	176,400 *
48	74.0	141.7	164,800 *
50	73.1	141.1	154,300 *
55	70.9	139.4	131,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
60	68.7	137.4	112,900 *
65	66.5	135.2	96,300 *
70	64.2	132.8	79,600 *
75	61.9	130.1	65,500 *
80	59.5	127.2	53,400 *
85	57.1	124.0	42,900 *
90	54.6	120.4	33,700 *
95	52.0	116.5	25,600 *
100	49.3	112.2	18,300 *
105	46.5	107.5	11,800 *
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	218,300 *
40	78.2	154.2	211,100 *
42	77.4	153.8	201,200 *
44	76.6	153.3	187,100 *
46	75.8	152.7	174,500 *
48	75.1	152.2	163,000 *
50	74.3	151.6	152,500 *
55	72.3	150.0	130,100 *
60	70.2	148.2	111,700 *
65	68.2	146.2	96,200 *
70	66.1	143.9	82,900 *
75	63.9	141.5	68,600 *
80	61.8	138.8	56,300 *
85	59.6	135.9	45,700 *
90	57.3	132.6	36,400 *
95	55.0	129.1	28,100 *
100	52.6	125.3	20,800 *
105	50.1	121.2	14,300 *
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	201,500 *
42	78.2	164.0	194,600 *
44	77.5	163.6	183,500 *
46	76.8	163.1	171,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
48	76.0	162.6	159,700 *
50	75.3	162.0	149,400 *
55	73.4	160.5	127,400 *
60	71.5	158.8	109,400 *
65	69.6	157.0	94,300 *
70	67.7	154.9	81,500 *
75	65.7	152.6	70,300 *
80	63.7	150.2	58,500 *
85	61.7	147.5	47,700 *
90	59.6	144.5	38,300 *
95	57.5	141.3	30,000 *
100	55.3	137.9	22,700 *
105	53.1	134.1	16,100 *
110	50.7	130.1	10,100 *
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	186,200 *
44	78.2	173.8	179,800 *
46	77.5	173.4	168,200 *
48	76.9	172.9	157,100 *
50	76.2	172.4	147,000 *
55	74.4	171.0	125,400 *
60	72.6	169.4	107,700 *
65	70.9	167.6	92,900 *
70	69.1	165.7	80,300 *
75	67.2	163.6	69,400 *
80	65.4	161.3	60,000 *
85	63.5	158.8	50,100 *
90	61.6	156.1	40,600 *
95	59.6	153.2	32,300 *
100	57.6	150.0	24,900 *
105	55.6	146.6	18,200 *
110	53.5	142.9	12,300 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	170,300 *
46	78.3	183.6	164,300 *
48	77.6	183.2	154,900 *
50	76.9	182.7	144,800 *
55	75.3	181.4	123,300 *
60	73.6	179.9	105,800 *
65	72.0	178.3	91,100 *
70	70.3	176.5	78,700 *
75	68.6	174.5	68,000 *
80	66.8	172.3	58,700 *
85	65.1	170.0	50,400 *
90	63.3	167.5	42,200 *
95	61.5	164.8	33,800 *
100	59.6	161.8	26,300 *
105	57.8	158.7	19,600 *
110	55.8	155.3	13,500 *

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	146,800 *
50	77.6	193.0	142,000 *
55	76.1	191.7	121,600 *
60	74.5	190.3	104,100 *
65	72.9	188.8	89,500 *
70	71.4	187.1	77,200 *
75	69.7	185.3	66,600 *
80	68.1	183.2	57,400 *
85	66.5	181.1	49,300 *
90	64.8	178.7	42,000 *
95	63.1	176.2	35,200 *
100	61.4	173.4	27,600 *
105	59.7	170.5	20,800 *
110	57.9	167.4	14,800 *



Liftcrane Boom Capacities With Luffing Jib Attached

Meets
ANSI B30.5
Requirements

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	409,600 *
26	78.0	85.6	404,900 *
27	77.3	85.4	389,400 *
28	76.5	85.1	373,700 *
29	75.8	84.8	359,100 *
30	75.0	84.5	345,400 *
32	73.5	83.9	316,500 *
34	72.0	83.2	282,100 *
36	70.5	82.4	252,500 *
38	68.9	81.6	226,900 *
40	67.3	80.7	204,400 *
42	65.8	79.8	184,600 *
44	64.2	78.7	167,000 *
46	62.5	77.6	151,300 *
48	60.9	76.5	137,000 *
50	59.2	75.2	124,200 *
55	54.8	71.7	97,000 *
60	50.2	67.6	75,000 *
65	45.1	62.7	56,700 *
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	399,600 *
27	78.7	95.7	391,200 *
28	78.0	95.4	375,600 *
29	77.4	95.2	361,000 *
30	76.7	94.9	347,400 *
32	75.4	94.4	322,400 *
34	74.1	93.7	294,900 *
36	72.7	93.1	264,800 *
38	71.4	92.4	238,700 *
40	70.0	91.6	215,800 *
42	68.6	90.8	195,600 *
44	67.2	89.9	177,700 *
46	65.8	88.9	161,700 *
48	64.4	87.9	147,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	134,200 *
55	59.3	83.9	106,500 *
60	55.4	80.4	84,100 *
65	51.3	76.5	65,700 *
70	47.0	71.8	50,200 *
75	42.3	66.5	36,900 *
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	382,300 *
28	79.3	105.7	376,800 *
29	78.7	105.5	362,200 *
30	78.1	105.2	348,600 *
32	76.9	104.7	322,500 *
34	75.7	104.2	293,600 *
36	74.5	103.6	268,500 *
38	73.3	103.0	246,500 *
40	72.1	102.3	225,600 *
42	70.9	101.5	205,000 *
44	69.7	100.8	186,700 *
46	68.4	99.9	170,400 *
48	67.2	99.0	155,700 *
50	65.9	98.1	142,400 *
55	62.7	95.5	114,100 *
60	59.3	92.5	91,300 *
65	55.9	89.2	72,600 *
70	52.3	85.3	56,900 *
75	48.5	80.9	43,600 *
80	44.4	75.9	32,100 *
85	40.0	70.0	22,000 *
90	35.1	63.1	12,200 *
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	290,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
34	77.0	114.6	284,900 *
36	76.0	114.0	266,300 *
38	74.9	113.4	244,700 *
40	73.8	112.8	225,600 *
42	72.7	112.2	208,700 *
44	71.6	111.5	193,500 *
46	70.5	110.7	178,800 *
48	69.4	109.9	163,800 *
50	68.2	109.1	150,100 *
55	65.4	106.8	121,300 *
60	62.4	104.2	98,000 *
65	59.4	101.2	79,000 *
70	56.3	97.9	63,000 *
75	53.0	94.1	49,400 *
80	49.6	89.9	37,700 *
85	46.0	85.1	27,600 *
90	42.2	79.7	18,600 *
95	38.0	73.4	10,700 *
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	290,400 *
34	78.1	124.8	286,000 *
36	77.2	124.4	261,900 *
38	76.2	123.8	240,800 *
40	75.2	123.3	222,200 *
42	74.2	122.7	205,700 *
44	73.2	122.0	190,900 *
46	72.2	121.4	177,600 *
48	71.2	120.6	165,500 *
50	70.1	119.9	154,400 *
55	67.6	117.8	126,900 *
60	64.9	115.5	103,300 *
65	62.2	112.8	83,900 *
70	59.5	109.9	67,700 *
75	56.6	106.6	53,900 *
80	53.6	102.9	42,100 *
85	50.6	98.8	31,900 *
90	47.3	94.2	22,900 *
95	43.9	89.1	14,900 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	277,200 *
36	78.2	134.6	257,400 *
38	77.3	134.2	236,900 *
40	76.4	133.6	218,700 *
42	75.4	133.1	202,600 *
44	74.5	132.5	188,200 *
46	73.6	131.9	175,200 *
48	72.7	131.2	163,400 *
50	71.7	130.5	152,700 *
55	69.4	128.7	129,500 *
60	67.0	126.5	108,400 *
65	64.5	124.1	88,800 *
70	62.1	121.5	72,400 *
75	59.5	118.5	58,500 *
80	56.9	115.3	46,600 *
85	54.2	111.7	36,300 *
90	51.3	107.7	27,200 *
95	48.4	103.3	19,200 *
100	45.3	98.4	12,000 *
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	263,300 *
36	79.0	144.9	251,900 *
38	78.2	144.4	232,300 *
40	77.4	144.0	214,500 *
42	76.5	143.5	198,700 *
44	75.7	142.9	184,600 *
46	74.8	142.3	171,900 *
48	74.0	141.7	160,400 *
50	73.1	141.1	150,000 *
55	70.9	139.4	127,400 *
60	68.7	137.4	108,800 *
65	66.5	135.2	92,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
70	64.2	132.8	75,800 *
75	61.9	130.1	61,700 *
80	59.5	127.2	49,700 *
85	57.1	124.0	39,300 *
90	54.6	120.4	30,100 *
95	52.0	116.5	22,000 *
100	49.3	112.2	14,800 *
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	214,500 *
40	78.2	154.2	207,300 *
42	77.4	153.8	196,600 *
44	76.6	153.3	182,600 *
46	75.8	152.7	170,100 *
48	75.1	152.2	158,700 *
50	74.3	151.6	148,300 *
55	72.3	150.0	126,000 *
60	70.2	148.2	107,700 *
65	68.2	146.2	92,400 *
70	66.1	143.9	79,200 *
75	63.9	141.5	64,900 *
80	61.8	138.8	52,700 *
85	59.6	135.9	42,100 *
90	57.3	132.6	32,800 *
95	55.0	129.1	24,700 *
100	52.6	125.3	17,400 *
105	50.1	121.2	10,900 *
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	197,700 *
42	78.2	164.0	190,900 *
44	77.5	163.6	179,100 *
46	76.8	163.1	166,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
48	76.0	162.6	155,500 *
50	75.3	162.0	145,300 *
55	73.4	160.5	123,400 *
60	71.5	158.8	105,500 *
65	69.6	157.0	90,600 *
70	67.7	154.9	77,800 *
75	65.7	152.6	66,700 *
80	63.7	150.2	54,900 *
85	61.7	147.5	44,300 *
90	59.6	144.5	34,900 *
95	57.5	141.3	26,700 *
100	55.3	137.9	19,400 *
105	53.1	134.1	12,800 *
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	182,500 *
44	78.2	173.8	176,100 *
46	77.5	173.4	164,100 *
48	76.9	172.9	153,000 *
50	76.2	172.4	143,000 *
55	74.4	171.0	121,500 *
60	72.6	169.4	103,900 *
65	70.9	167.6	89,200 *
70	69.1	165.7	76,700 *
75	67.2	163.6	65,900 *
80	65.4	161.3	56,500 *
85	63.5	158.8	46,700 *
90	61.6	156.1	37,300 *
95	59.6	153.2	29,000 *
100	57.6	150.0	21,700 *
105	55.6	146.6	15,100 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	166,600 *
46	78.3	183.6	160,600 *
48	77.6	183.2	150,900 *
50	76.9	182.7	140,900 *
55	75.3	181.4	119,500 *
60	73.6	179.9	102,100 *
65	72.0	178.3	87,600 *
70	70.3	176.5	75,200 *
75	68.6	174.5	64,600 *
80	66.8	172.3	55,300 *
85	65.1	170.0	47,100 *
90	63.3	167.5	39,000 *
95	61.5	164.8	30,600 *
100	59.6	161.8	23,100 *
105	57.8	158.7	16,400 *
110	55.8	155.3	10,500 *

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	143,300 *
50	77.6	193.0	138,500 *
55	76.1	191.7	117,800 *
60	74.5	190.3	100,500 *
65	72.9	188.8	86,000 *
70	71.4	187.1	73,800 *
75	69.7	185.3	63,300 *
80	68.1	183.2	54,100 *
85	66.5	181.1	46,100 *
90	64.8	178.7	38,900 *
95	63.1	176.2	32,000 *
100	61.4	173.4	24,500 *
105	59.7	170.5	17,800 *
110	57.9	167.4	11,700 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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	401,300 *
26	78.0	85.6	396,500 *
27	77.3	85.4	385,300 *
28	76.5	85.1	369,600 *
29	75.8	84.8	355,000 *
30	75.0	84.5	341,300 *
32	73.5	83.9	309,400 *
34	72.0	83.2	275,100 *
36	70.5	82.4	245,700 *
38	68.9	81.6	220,200 *
40	67.3	80.7	197,800 *
42	65.8	79.8	178,200 *
44	64.2	78.7	160,600 *
46	62.5	77.6	145,000 *
48	60.9	76.5	130,800 *
50	59.2	75.2	118,100 *
55	54.8	71.7	91,000 *
60	50.2	67.6	69,100 *
65	45.1	62.7	50,900 *
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	391,900 *
27	78.7	95.7	387,300 *
28	78.0	95.4	371,700 *
29	77.4	95.2	357,100 *
30	76.7	94.9	343,500 *
32	75.4	94.4	318,600 *
34	74.1	93.7	288,400 *
36	72.7	93.1	258,400 *
38	71.4	92.4	232,400 *
40	70.0	91.6	209,600 *
42	68.6	90.8	189,500 *
44	67.2	89.9	171,700 *
46	65.8	88.9	155,700 *
48	64.4	87.9	141,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
50	63.0	86.8	128,400 *
55	59.3	83.9	100,800 *
60	55.4	80.4	78,600 *
65	51.3	76.5	60,300 *
70	47.0	71.8	44,800 *
75	42.3	66.5	31,700 *
80	37.1	60.0	19,400 *
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	375,300 *
28	79.3	105.7	371,100 *
29	78.7	105.5	358,500 *
30	78.1	105.2	344,800 *
32	76.9	104.7	316,100 *
34	75.7	104.2	287,300 *
36	74.5	103.6	262,400 *
38	73.3	103.0	240,500 *
40	72.1	102.3	219,700 *
42	70.9	101.5	199,200 *
44	69.7	100.8	181,000 *
46	68.4	99.9	164,700 *
48	67.2	99.0	150,100 *
50	65.9	98.1	136,900 *
55	62.7	95.5	108,700 *
60	59.3	92.5	86,100 *
65	55.9	89.2	67,500 *
70	52.3	85.3	51,900 *
75	48.5	80.9	38,600 *
80	44.4	75.9	27,100 *
85	40.0	70.0	17,100 *
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	285,300 *
34	77.0	114.6	280,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
36	76.0	114.0	260,300 *
38	74.9	113.4	238,900 *
40	73.8	112.8	220,000 *
42	72.7	112.2	203,100 *
44	71.6	111.5	188,000 *
46	70.5	110.7	173,400 *
48	69.4	109.9	158,400 *
50	68.2	109.1	144,900 *
55	65.4	106.8	116,100 *
60	62.4	104.2	93,000 *
65	59.4	101.2	74,000 *
70	56.3	97.9	58,100 *
75	53.0	94.1	44,700 *
80	49.6	89.9	33,000 *
85	46.0	85.1	22,900 *
90	42.2	79.7	14,100 *
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	286,700 *
34	78.1	124.8	280,100 *
36	77.2	124.4	256,100 *
38	76.2	123.8	235,200 *
40	75.2	123.3	216,700 *
42	74.2	122.7	200,300 *
44	73.2	122.0	185,600 *
46	72.2	121.4	172,400 *
48	71.2	120.6	160,300 *
50	70.1	119.9	149,300 *
55	67.6	117.8	121,900 *
60	64.9	115.5	98,400 *
65	62.2	112.8	79,200 *
70	59.5	109.9	63,000 *
75	56.6	106.6	49,400 *
80	53.6	102.9	37,600 *
85	50.6	98.8	27,500 *
90	47.3	94.2	18,500 *
95	43.9	89.1	10,600 *



Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	267,900 *
36	78.2	134.6	251,900 *
38	77.3	134.2	231,400 *
40	76.4	133.6	213,400 *
42	75.4	133.1	197,400 *
44	74.5	132.5	183,100 *
46	73.6	131.9	170,200 *
48	72.7	131.2	158,500 *
50	71.7	130.5	147,800 *
55	69.4	128.7	124,800 *
60	67.0	126.5	103,800 *
65	64.5	124.1	84,200 *
70	62.1	121.5	67,900 *
75	59.5	118.5	54,100 *
80	56.9	115.3	42,300 *
85	54.2	111.7	32,000 *
90	51.3	107.7	23,000 *
95	48.4	103.3	15,000 *
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	258,400 *
36	79.0	144.9	247,000 *
38	78.2	144.4	227,000 *
40	77.4	144.0	209,300 *
42	76.5	143.5	193,700 *
44	75.7	142.9	179,700 *
46	74.8	142.3	167,000 *
48	74.0	141.7	155,600 *
50	73.1	141.1	145,200 *
55	70.9	139.4	122,800 *
60	68.7	137.4	104,300 *
65	66.5	135.2	87,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
70	64.2	132.8	71,400 *
75	61.9	130.1	57,500 *
80	59.5	127.2	45,500 *
85	57.1	124.0	35,100 *
90	54.6	120.4	26,000 *
95	52.0	116.5	18,000 *
100	49.3	112.2	10,800 *
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	210,400 *
40	78.2	154.2	203,100 *
42	77.4	153.8	191,700 *
44	76.6	153.3	177,700 *
46	75.8	152.7	165,300 *
48	75.1	152.2	154,000 *
50	74.3	151.6	143,700 *
55	72.3	150.0	121,500 *
60	70.2	148.2	103,300 *
65	68.2	146.2	88,100 *
70	66.1	143.9	75,000 *
75	63.9	141.5	60,800 *
80	61.8	138.8	48,600 *
85	59.6	135.9	38,100 *
90	57.3	132.6	28,900 *
95	55.0	129.1	20,800 *
100	52.6	125.3	13,500 *
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	193,500 *
42	78.2	164.0	186,700 *
44	77.5	163.6	174,300 *
46	76.8	163.1	162,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
48	76.0	162.6	150,900 *
50	75.3	162.0	140,700 *
55	73.4	160.5	119,000 *
60	71.5	158.8	101,200 *
65	69.6	157.0	86,400 *
70	67.7	154.9	73,700 *
75	65.7	152.6	62,700 *
80	63.7	150.2	51,000 *
85	61.7	147.5	40,400 *
90	59.6	144.5	31,100 *
95	57.5	141.3	22,900 *
100	55.3	137.9	15,600 *
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	178,300 *
44	78.2	173.8	171,700 *
46	77.5	173.4	159,500 *
48	76.9	172.9	148,500 *
50	76.2	172.4	138,600 *
55	74.4	171.0	117,200 *
60	72.6	169.4	99,700 *
65	70.9	167.6	85,200 *
70	69.1	165.7	72,800 *
75	67.2	163.6	62,000 *
80	65.4	161.3	52,700 *
85	63.5	158.8	43,000 *
90	61.6	156.1	33,600 *
95	59.6	153.2	25,300 *
100	57.6	150.0	18,000 *
105	55.6	146.6	11,400 *

Liftcrane Boom Capacities With Luffing Jib Attached

M-250 SERIES 3

Meets
ANSI B30.5
Requirements

Boom No. 44 With Heavy Lift Top
Luffing Jib No. 133 or No. 133A
248,700 Lb. Crane Counterweight
120,000 Lb. Carbody Counterweight
360 Degree Rating

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
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	162,500 *
46	78.3	183.6	156,500 *
48	77.6	183.2	146,500 *
50	76.9	182.7	136,500 *
55	75.3	181.4	115,300 *
60	73.6	179.9	98,000 *
65	72.0	178.3	83,600 *
70	70.3	176.5	71,300 *
75	68.6	174.5	60,800 *
80	66.8	172.3	51,500 *
85	65.1	170.0	43,400 *
90	63.3	167.5	35,300 *
95	61.5	164.8	27,000 *
100	59.6	161.8	19,500 *
105	57.8	158.7	12,900 *

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	139,400 *
50	77.6	193.0	134,600 *
55	76.1	191.7	113,700 *
60	74.5	190.3	96,400 *
65	72.9	188.8	82,100 *
70	71.4	187.1	70,000 *
75	69.7	185.3	59,500 *
80	68.1	183.2	50,400 *
85	66.5	181.1	42,400 *
90	64.8	178.7	35,300 *
95	63.1	176.2	28,500 *
100	61.4	173.4	21,000 *
105	59.7	170.5	14,300 *