

Liftcrane Boom Capacities

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

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

Upper boom point capacity for liftcrane service with single part whip line is 30,000 Lbs. or 60,000 Lbs. with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

250 Ft. thru 300 Ft. boom lengths require only the middle three sheaves to be used on lower boom point. All other sheaves must be removed from lower boom point.

Weight of jib, all load blocks, hooks, weight ball, slings, hoist lines, etc. beneath boom and jib point sheaves is considered part of main boom load. 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. Refer to boom rigging **No. 172610** or **No. 179809**, Wire Rope Specification chart **No. 7581-C**, and Counterweight Arrangement chart **No. 7692-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. Refer to Maximum Allowable Travel Specification chart **No. 8031-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 1½ in. boom pendants or boom support straps, 207,000 Lb. crane counterweight and two 30,000 Lb. carbody counterweights.

Deduct From Capacities When Jib Is Attached	
Jib Length	Jib No. 132
40 Ft.	6,400 Lbs.
60 Ft.	8,200 Lbs.
80 Ft.	10,300 Lbs.
100 Ft.	12,800 Lbs.
120 Ft.	15,300 Lbs.

Consult jib chart for jib capacities. Upper boom point cannot be used when jib is attached.



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Maximum Boom and Jib Lengths Lifted Unassisted					
Over Front of Crawlers		Over Rear of Blocked Crawlers		Over Side of Crawlers	
Boom Length	Jib No. 132	Boom Length	Jib No. 132	Boom Length	Jib No. 132
300 Ft.	---	300 Ft.	---	300 Ft.	---
290 Ft.	---	290 Ft.	---	290 Ft.	---
280 Ft.	---	280 Ft.	---	280 Ft.	---
270 Ft.	---	270 Ft.	---	270 Ft.	---
260 Ft.	80 Ft.	260 Ft.	80 Ft.	260 Ft.	80 Ft.
250 Ft.	120 Ft.	250 Ft.	120 Ft.	250 Ft.	100 Ft.
				240 Ft.	120 Ft.
Load block, hook and weight ball on ground at start.					

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. BOOM			
18	82.9	77.1	600,000 *
19	82.1	76.9	580,000 *
20	81.3	76.8	560,000 *
21	80.4	76.5	543,400 *
22	79.6	76.3	525,800 *
23	78.8	76.1	504,300 *
24	77.9	75.8	484,400 *
25	77.1	75.6	465,900 *
26	76.2	75.3	448,800 *
27	75.4	75.0	432,900 *
28	74.5	74.7	418,000 *
29	73.7	74.4	404,100 *
30	72.8	74.0	391,000 *
32	71.0	73.3	356,300
34	69.3	72.4	323,500
36	67.5	71.6	296,100
38	65.7	70.6	272,700
40	63.8	69.5	252,700
42	61.9	68.4	235,200
44	60.0	67.2	219,900
46	58.1	65.9	206,400
48	56.1	64.5	194,300
50	54.0	62.9	183,500
55	48.6	58.6	160,700
60	42.6	53.2	142,700
65	35.8	46.6	128,000
70	27.4	37.6	110,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	526,400 *
21	81.7	86.7	523,600 *
22	80.9	86.5	521,000 *
23	80.2	86.3	503,300 *
24	79.5	86.1	483,400 *
25	78.7	85.9	465,000 *
26	78.0	85.6	447,900 *
27	77.3	85.4	432,000 *
28	76.5	85.1	417,100 *
29	75.8	84.8	403,200 *
30	75.0	84.5	390,200 *
32	73.5	83.9	356,100
34	72.0	83.2	323,300
36	70.5	82.4	295,800
38	68.9	81.6	272,500
40	67.3	80.7	252,400
42	65.8	79.8	234,900
44	64.2	78.7	219,600
46	62.5	77.6	206,000
48	60.9	76.5	194,000
50	59.2	75.2	183,100
55	54.8	71.7	160,400
60	50.2	67.6	142,300
65	45.1	62.7	127,600
70	39.6	56.8	115,400
75	33.3	49.4	105,100
80	25.4	39.7	92,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
21	82.6	96.9	498,600 *
22	81.9	96.7	495,600 *
23	81.3	96.5	492,600 *
24	80.6	96.3	482,900 *
25	80.0	96.1	464,500 *
26	79.3	95.9	447,400 *
27	78.7	95.7	431,400 *
28	78.0	95.4	416,600 *
29	77.4	95.2	402,700 *
30	76.7	94.9	389,600 *
32	75.4	94.4	356,100
34	74.1	93.7	323,200
36	72.7	93.1	295,800
38	71.4	92.4	272,400
40	70.0	91.6	252,300
42	68.6	90.8	234,800
44	67.2	89.9	219,500
46	65.8	88.9	205,900
48	64.4	87.9	193,800
50	63.0	86.8	183,000
55	59.3	83.9	160,200
60	55.4	80.4	142,200
65	51.3	76.5	127,400
70	47.0	71.8	115,200
75	42.3	66.5	104,900
80	37.1	60.0	96,100
85	31.2	52.1	88,500



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
22	82.8	106.8	479,300 *
23	82.2	106.7	476,300 *
24	81.6	106.5	473,400 *
25	81.0	106.3	463,500 *
26	80.4	106.1	446,400 *
27	79.8	105.9	430,500 *
28	79.3	105.7	415,600 *
29	78.7	105.5	401,700 *
30	78.1	105.2	388,700 *
32	76.9	104.7	355,700
34	75.7	104.2	322,900
36	74.5	103.6	295,400
38	73.3	103.0	272,000
40	72.1	102.3	251,900
42	70.9	101.5	234,400
44	69.7	100.8	219,000
46	68.4	99.9	205,500
48	67.2	99.0	193,400
50	65.9	98.1	182,500
55	62.7	95.5	159,700
60	59.3	92.5	141,600
65	55.9	89.2	126,900
70	52.3	85.3	114,700
75	48.5	80.9	104,400
80	44.4	75.9	95,600
85	40.0	70.0	88,000
90	35.1	63.1	81,300
95	29.5	54.7	75,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	374,400 *
24	82.4	116.6	371,800 *
25	81.8	116.5	369,400 *
26	81.3	116.3	367,000 *
27	80.8	116.1	364,700 *
28	80.3	115.9	362,500 *
29	79.7	115.7	360,300 *
30	79.2	115.5	358,200 *
32	78.1	115.0	354,300 *
34	77.0	114.6	322,700
36	76.0	114.0	295,100
38	74.9	113.4	271,700
40	73.8	112.8	251,600
42	72.7	112.2	234,100
44	71.6	111.5	218,800
46	70.5	110.7	205,200
48	69.4	109.9	193,100
50	68.2	109.1	182,200
55	65.4	106.8	159,400
60	62.4	104.2	141,300
65	59.4	101.2	126,600
70	56.3	97.9	114,400
75	53.0	94.1	104,100
80	49.6	89.9	95,300
85	46.0	85.1	87,600
90	42.2	79.7	81,000
95	38.0	73.4	75,100
100	33.3	66.0	69,900
105	28.0	57.1	65,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
24	83.0	126.8	363,700 *
25	82.5	126.6	361,400 *
26	82.0	126.4	359,200 *
27	81.6	126.3	357,000 *
28	81.1	126.1	354,900 *
29	80.6	125.9	352,900 *
30	80.1	125.7	350,900 *
32	79.1	125.3	347,200 *
34	78.1	124.8	322,300
36	77.2	124.4	294,700
38	76.2	123.8	271,300
40	75.2	123.3	251,100
42	74.2	122.7	233,600
44	73.2	122.0	218,200
46	72.2	121.4	204,600
48	71.2	120.6	192,500
50	70.1	119.9	181,700
55	67.6	117.8	158,900
60	64.9	115.5	140,700
65	62.2	112.8	126,000
70	59.5	109.9	113,800
75	56.6	106.6	103,500
80	53.6	102.9	94,700
85	50.6	98.8	87,000
90	47.3	94.2	80,400
95	43.9	89.1	74,500
100	40.2	83.3	69,300
105	36.2	76.6	64,700
110	31.8	68.8	60,500
115	26.7	59.3	56,700



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ANSI B30.5
Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
26	82.7	136.6	350,700 *
27	82.2	136.4	348,700 *
28	81.8	136.2	346,700 *
29	81.3	136.1	344,800 *
30	80.9	135.9	343,000 *
32	80.0	135.5	339,500 *
34	79.1	135.1	322,300
36	78.2	134.6	294,700
38	77.3	134.2	271,300
40	76.4	133.6	251,100
42	75.4	133.1	233,600
44	74.5	132.5	218,200
46	73.6	131.9	204,600
48	72.7	131.2	192,500
50	71.7	130.5	181,600
55	69.4	128.7	158,800
60	67.0	126.5	140,700
65	64.5	124.1	125,900
70	62.1	121.5	113,700
75	59.5	118.5	103,400
80	56.9	115.3	94,600
85	54.2	111.7	87,000
90	51.3	107.7	80,300
95	48.4	103.3	74,500
100	45.3	98.4	69,300
105	42.0	92.9	64,600
110	38.5	86.7	60,400
115	34.7	79.7	56,700
120	30.5	71.5	53,200
125	25.6	61.5	50,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
27	82.8	146.5	341,800 *
28	82.4	146.4	340,000 *
29	81.9	146.2	338,200 *
30	81.5	146.0	336,400 *
32	80.7	145.7	333,100 *
34	79.9	145.3	321,900
36	79.0	144.9	294,300
38	78.2	144.4	270,800
40	77.4	144.0	250,600
42	76.5	143.5	233,100
44	75.7	142.9	217,700
46	74.8	142.3	204,100
48	74.0	141.7	191,900
50	73.1	141.1	181,100
55	70.9	139.4	158,200
60	68.7	137.4	140,100
65	66.5	135.2	125,300
70	64.2	132.8	113,100
75	61.9	130.1	102,800
80	59.5	127.2	93,900
85	57.1	124.0	86,300
90	54.6	120.4	79,700
95	52.0	116.5	73,800
100	49.3	112.2	68,600
105	46.5	107.5	63,900
110	43.5	102.3	59,800
115	40.4	96.5	56,000
120	37.0	90.0	52,600
125	33.4	82.6	49,400
130	29.3	74.0	46,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	302,400 *
29	82.5	156.3	300,500 *
30	82.1	156.2	298,600 *
32	81.3	155.8	295,000 *
34	80.6	155.5	291,500 *
36	79.8	155.1	288,300 *
38	79.0	154.7	270,400
40	78.2	154.2	250,200
42	77.4	153.8	232,700
44	76.6	153.3	217,300
46	75.8	152.7	203,600
48	75.1	152.2	191,500
50	74.3	151.6	180,600
55	72.3	150.0	157,800
60	70.2	148.2	139,600
65	68.2	146.2	124,900
70	66.1	143.9	112,600
75	63.9	141.5	102,300
80	61.8	138.8	93,400
85	59.6	135.9	85,800
90	57.3	132.6	79,200
95	55.0	129.1	73,300
100	52.6	125.3	68,100
105	50.1	121.2	63,400
110	47.5	116.6	59,300
115	44.8	111.6	55,500
120	42.0	106.1	52,100
125	38.9	100.0	48,900
130	35.7	93.2	46,100
135	32.2	85.4	43,400
140	28.3	76.5	41,000



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ANSI B30.5
Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
29	83.0	166.4	292,100 *
30	82.6	166.3	290,300 *
32	81.9	166.0	287,100 *
34	81.1	165.7	284,000 *
36	80.4	165.3	281,100 *
38	79.7	164.9	269,900
40	79.0	164.5	249,700
42	78.2	164.0	232,100
44	77.5	163.6	216,700
46	76.8	163.1	203,100
48	76.0	162.6	190,900
50	75.3	162.0	180,000
55	73.4	160.5	157,200
60	71.5	158.8	139,000
65	69.6	157.0	124,200
70	67.7	154.9	112,000
75	65.7	152.6	101,600
80	63.7	150.2	92,800
85	61.7	147.5	85,100
90	59.6	144.5	78,500
95	57.5	141.3	72,600
100	55.3	137.9	67,400
105	53.1	134.1	62,800
110	50.7	130.1	58,600
115	48.4	125.6	54,800
120	45.9	120.8	51,400
125	43.3	115.6	48,200
130	40.5	109.8	45,400
135	37.6	103.4	42,700
140	34.5	96.2	40,300
145	31.1	88.2	38,000
150	27.3	78.8	35,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
30	83.0	176.4	284,100 *
32	82.4	176.1	281,100 *
34	81.7	175.8	278,300 *
36	81.0	175.5	275,600 *
38	80.3	175.1	269,800
40	79.6	174.7	249,600
42	78.9	174.3	232,000
44	78.2	173.8	216,600
46	77.5	173.4	203,000
48	76.9	172.9	190,800
50	76.2	172.4	179,900
55	74.4	171.0	157,100
60	72.6	169.4	138,900
65	70.9	167.6	124,100
70	69.1	165.7	111,800
75	67.2	163.6	101,500
80	65.4	161.3	92,700
85	63.5	158.8	85,000
90	61.6	156.1	78,400
95	59.6	153.2	72,500
100	57.6	150.0	67,300
105	55.6	146.6	62,600
110	53.5	142.9	58,500
115	51.3	138.9	54,700
120	49.1	134.6	51,200
125	46.8	129.9	48,100
130	44.4	124.9	45,200
135	41.9	119.3	42,600
140	39.2	113.3	40,200
145	36.4	106.6	37,900
150	33.4	99.2	35,800
155	30.1	90.8	33,900
160	26.5	81.1	32,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	274,600 *
34	82.1	185.9	272,100 *
36	81.5	185.6	269,700 *
38	80.9	185.3	267,400 *
40	80.2	184.9	249,100
42	79.6	184.5	231,500
44	78.9	184.1	216,100
46	78.3	183.6	202,400
48	77.6	183.2	190,300
50	76.9	182.7	179,400
55	75.3	181.4	156,500
60	73.6	179.9	138,300
65	72.0	178.3	123,500
70	70.3	176.5	111,200
75	68.6	174.5	100,900
80	66.8	172.3	92,000
85	65.1	170.0	84,400
90	63.3	167.5	77,700
95	61.5	164.8	71,800
100	59.6	161.8	66,600
105	57.8	158.7	62,000
110	55.8	155.3	57,800
115	53.9	151.7	54,000
120	51.8	147.7	50,600
125	49.8	143.5	47,400
130	47.6	139.0	44,600
135	45.4	134.1	41,900
140	43.1	128.8	39,500
145	40.6	123.0	37,200
150	38.1	116.7	35,100
155	35.4	109.8	33,200
160	32.4	102.1	31,400
165	29.2	93.4	29,700
170	25.7	83.3	28,100



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190 Ft. BOOM			
34	82.6	196.0	241,300 *
36	81.9	195.7	238,800 *
38	81.3	195.4	236,500 *
40	80.7	195.1	234,200 *
42	80.1	194.7	231,100
44	79.5	194.3	215,600
46	78.9	193.9	202,000
48	78.3	193.4	189,800
50	77.6	193.0	178,900
55	76.1	191.7	156,000
60	74.5	190.3	137,800
65	72.9	188.8	123,000
70	71.4	187.1	110,700
75	69.7	185.3	100,300
80	68.1	183.2	91,500
85	66.5	181.1	83,800
90	64.8	178.7	77,200
95	63.1	176.2	71,300
100	61.4	173.4	66,100
105	59.7	170.5	61,400
110	57.9	167.4	57,200
115	56.1	164.0	53,400
120	54.2	160.4	50,000
125	52.3	156.6	46,900
130	50.3	152.4	44,000
135	48.3	148.0	41,400
140	46.2	143.2	38,900
145	44.1	138.1	36,700
150	41.8	132.6	34,600
155	39.5	126.6	32,600
160	37.0	120.0	30,800
165	34.4	112.8	29,100
170	31.5	104.8	27,500
175	28.4	95.8	26,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	233,400 *
36	82.4	205.8	231,200 *
38	81.8	205.5	229,100 *
40	81.2	205.2	227,100 *
42	80.6	204.8	225,200 *
44	80.0	204.5	215,100
46	79.4	204.1	201,400
48	78.9	203.7	189,200
50	78.3	203.2	178,300
55	76.8	202.1	155,400
60	75.3	200.7	137,100
65	73.8	199.3	122,300
70	72.3	197.7	110,000
75	70.8	195.9	99,700
80	69.3	194.0	90,800
85	67.7	192.0	83,200
90	66.2	189.8	76,500
95	64.6	187.4	70,600
100	63.0	184.8	65,400
105	61.3	182.1	60,700
110	59.7	179.2	56,500
115	58.0	176.0	52,700
120	56.3	172.7	49,300
125	54.5	169.1	46,200
130	52.7	165.3	43,300
135	50.9	161.3	40,700
140	49.0	157.0	38,200
145	47.0	152.3	36,000
150	45.0	147.3	33,900
155	42.9	142.0	31,900
160	40.7	136.2	30,100
165	38.4	130.0	28,400
170	36.0	123.2	26,800
175	33.4	115.8	25,300
180	30.7	107.5	23,900
185	27.7	98.3	22,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. BOOM			
36	82.7	215.9	225,300 *
38	82.2	215.6	223,500 *
40	81.6	215.3	221,700 *
42	81.1	215.0	219,300 *
44	80.5	214.6	214,300 *
46	80.0	214.3	201,200
48	79.4	213.9	189,000
50	78.8	213.5	178,100
55	77.4	212.3	155,100
60	76.0	211.1	136,900
65	74.6	209.7	122,100
70	73.2	208.2	109,800
75	71.8	206.5	99,400
80	70.3	204.7	90,600
85	68.8	202.8	82,900
90	67.4	200.7	76,200
95	65.9	198.5	70,400
100	64.4	196.1	65,100
105	62.8	193.5	60,500
110	61.3	190.8	56,300
115	59.7	187.8	52,500
120	58.1	184.7	49,100
125	56.4	181.4	45,900
130	54.8	177.9	43,100
135	53.1	174.1	40,400
140	51.3	170.1	38,000
145	49.5	165.9	35,700
150	47.7	161.4	33,600
155	45.8	156.5	31,700
160	43.8	151.3	29,900
165	41.8	145.8	28,200
170	39.7	139.8	26,600
175	37.4	133.4	25,100
180	35.1	126.4	23,700
185	32.6	118.7	22,300
190	29.9	110.2	21,100
195	27.0	100.6	19,900



Liftcrane Boom Capacities

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

**Meets
ANSI B30.5
Requirements**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. BOOM			
38	82.5	225.8	217,300 *
40	82.0	225.5	214,800 *
42	81.5	225.1	209,800 *
44	80.9	224.8	205,000 *
46	80.4	224.4	200,200 *
48	79.9	224.1	188,400
50	79.4	223.7	177,500
55	78.0	222.6	154,500
60	76.7	221.4	136,300
65	75.3	220.1	121,500
70	74.0	218.7	109,200
75	72.6	217.1	98,800
80	71.2	215.4	89,900
85	69.9	213.5	82,300
90	68.5	211.6	75,600
95	67.0	209.4	69,700
100	65.6	207.2	64,500
105	64.2	204.7	59,800
110	62.7	202.2	55,600
115	61.2	199.4	51,800
120	59.7	196.5	48,400
125	58.2	193.4	45,200
130	56.6	190.1	42,400
135	55.0	186.6	39,700
140	53.4	182.9	37,300
145	51.7	179.0	35,000
150	50.1	174.8	32,900
155	48.3	170.4	31,000
160	46.5	165.6	29,200
165	44.7	160.6	27,500
170	42.8	155.2	25,900
175	40.8	149.5	24,400
180	38.7	143.3	23,000
185	36.5	136.6	21,600
190	34.2	129.4	20,400
195	31.8	121.5	19,200
200	29.2	112.7	18,100
205	26.3	102.9	17,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. BOOM			
38	82.9	235.9	193,200 *
40	82.4	235.6	191,600 *
42	81.8	235.3	190,000 *
44	81.3	234.9	188,500 *
46	80.8	234.6	187,100 *
48	80.3	234.2	183,900 *
50	79.8	233.9	177,000
55	78.6	232.9	154,000
60	77.3	231.7	135,800
65	76.0	230.5	120,900
70	74.7	229.1	108,600
75	73.4	227.6	98,200
80	72.1	226.0	89,400
85	70.8	224.2	81,700
90	69.4	222.3	75,000
95	68.1	220.3	69,100
100	66.7	218.2	63,900
105	65.4	215.9	59,200
110	64.0	213.4	55,000
115	62.6	210.8	51,200
120	61.2	208.1	47,800
125	59.7	205.1	44,700
130	58.3	202.1	41,800
135	56.8	198.8	39,100
140	55.2	195.3	36,700
145	53.7	191.7	34,400
150	52.1	187.8	32,400
155	50.5	183.7	30,400
160	48.9	179.3	28,600
165	47.2	174.7	26,900
170	45.4	169.8	25,300
175	43.6	164.6	23,800
180	41.8	159.0	22,400
185	39.8	153.1	21,100
190	37.8	146.7	19,800
195	35.7	139.8	18,600
200	33.5	132.4	17,500
205	31.1	124.2	16,400
210	28.5	115.2	15,400
215	25.7	105.1	14,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. BOOM			
40	82.7	245.7	185,800 *
42	82.2	245.4	184,400 *
44	81.7	245.1	181,900 *
46	81.2	244.7	178,400 *
48	80.7	244.4	174,900 *
50	80.3	244.0	171,300 *
55	79.0	243.1	153,400
60	77.8	242.0	135,200
65	76.6	240.8	120,300
70	75.4	239.5	108,000
75	74.1	238.0	97,600
80	72.9	236.5	88,700
85	71.6	234.8	81,000
90	70.3	233.0	74,400
95	69.1	231.1	68,500
100	67.8	229.1	63,200
105	66.5	226.9	58,600
110	65.2	224.6	54,400
115	63.8	222.1	50,600
120	62.5	219.5	47,100
125	61.1	216.7	44,000
130	59.7	213.8	41,100
135	58.3	210.7	38,400
140	56.9	207.5	36,000
145	55.5	204.0	33,700
150	54.0	200.4	31,600
155	52.5	196.6	29,700
160	50.9	192.5	27,900
165	49.4	188.2	26,200
170	47.8	183.7	24,600
175	46.1	178.9	23,100
180	44.4	173.9	21,700
185	42.6	168.5	20,300
190	40.8	162.7	19,100
195	38.9	156.6	17,900
200	37.0	150.0	16,800
205	34.9	142.9	15,700
210	32.7	135.3	14,700
215	30.4	126.9	13,700
220	27.9	117.7	12,800
225	25.1	107.3	11,900 *



Liftcrane Boom Capacities

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. BOOM			
40	83.0	255.8	179,100 *
42	82.5	255.5	177,900 *
44	82.0	255.2	174,900 *
46	81.6	254.9	171,600 *
48	81.1	254.6	168,200 *
50	80.6	254.2	164,900 *
55	79.5	253.3	154,200
60	78.3	252.2	136,000
65	77.1	251.1	121,100
70	76.0	249.8	108,800
75	74.8	248.5	98,400
80	73.6	247.0	89,500
85	72.4	245.4	81,900
90	71.2	243.7	75,200
95	69.9	241.8	69,300
100	68.7	239.9	64,100
105	67.5	237.8	59,400
110	66.2	235.6	55,200
115	64.9	233.3	51,400
120	63.7	230.8	48,000
125	62.4	228.2	44,800
130	61.1	225.4	41,900
135	59.7	222.5	39,300
140	58.4	219.4	36,900
145	57.0	216.2	34,600
150	55.6	212.7	32,500
155	54.2	209.1	30,600
160	52.8	205.4	28,700
165	51.3	201.4	27,000
170	49.8	197.2	25,400
175	48.3	192.7	23,900
180	46.7	188.0	22,500
185	45.1	183.1	21,200
190	43.4	177.8	20,000
195	41.7	172.2	18,800
200	40.0	166.3	17,600
205	38.1	160.0	16,600
210	36.2	153.2	15,600
215	34.2	146.0	14,600
220	32.0	138.1	13,700
225	29.7	129.5	12,800
230	27.3	120.1	12,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. BOOM			
42	82.8	265.6	169,400 *
44	82.4	265.3	166,100 *
46	81.9	265.0	162,800 *
48	81.5	264.7	159,700 *
50	81.0	264.4	156,500 *
55	79.9	263.5	148,500 *
60	78.8	262.5	135,400
65	77.6	261.4	120,500
70	76.5	260.1	108,200
75	75.4	258.8	97,800
80	74.2	257.4	88,900
85	73.1	255.9	81,200
90	71.9	254.2	74,500
95	70.7	252.5	68,600
100	69.6	250.6	63,400
105	68.4	248.6	58,700
110	67.2	246.5	54,500
115	66.0	244.3	50,700
120	64.8	241.9	47,300
125	63.5	239.4	44,100
130	62.3	236.8	41,300
135	61.0	234.0	38,600
140	59.8	231.1	36,200
145	58.5	228.1	33,900
150	57.1	224.8	31,800
155	55.8	221.4	29,900
160	54.5	217.9	28,000
165	53.1	214.1	26,300
170	51.7	210.2	24,700
175	50.2	206.0	23,200
180	48.8	201.7	21,800
185	47.3	197.1	20,500
190	45.8	192.2	19,300
195	44.2	187.1	18,100
200	42.6	181.7	16,900
205	40.9	176.0	15,900
210	39.1	169.9	14,900
215	37.3	163.4	13,900
220	35.4	156.4	13,000
225	33.5	149.0	12,100
230	31.4	140.9	11,300
235	29.1	132.1	10,500
240	26.7	122.4	9,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. BOOM			
44	82.6	275.4	153,900 *
46	82.2	275.1	151,800 *
48	81.8	274.8	148,900 *
50	81.3	274.5	146,100 *
55	80.3	273.6	139,000 *
60	79.2	272.7	131,900 *
65	78.1	271.6	120,000
70	77.0	270.4	107,600
75	75.9	269.2	97,200
80	74.8	267.8	88,300
85	73.7	266.4	80,700
90	72.6	264.8	74,000
95	71.5	263.1	68,100
100	70.4	261.3	62,800
105	69.2	259.4	58,100
110	68.1	257.4	53,900
115	66.9	255.3	50,100
120	65.8	253.0	46,700
125	64.6	250.6	43,500
130	63.4	248.1	40,700
135	62.2	245.5	38,000
140	61.0	242.7	35,600
145	59.8	239.8	33,300
150	58.5	236.7	31,200
155	57.3	233.5	29,300
160	56.0	230.1	27,400
165	54.7	226.6	25,700
170	53.4	222.9	24,100
175	52.0	219.0	22,600
180	50.6	214.9	21,200
185	49.2	210.6	19,900
190	47.8	206.1	18,600
195	46.3	201.3	17,500
200	44.8	196.3	16,300
205	43.3	191.1	15,300
210	41.7	185.5	14,300
215	40.1	179.6	13,300
220	38.4	173.3	12,400
225	36.6	166.6	11,500
230	34.8	159.5	10,700
235	32.8	151.9	9,900
240	30.8	143.6	9,100
245	28.6	134.6	8,100 *
250	26.2	124.7	6,400 *



Liftcrane Boom Capacities

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
360 Degree Rating

**Meets
ANSI B30.5
Requirements**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
280 Ft. BOOM			
44	82.9	285.5	142,700 *
46	82.5	285.2	142,000 *
48	82.1	284.9	141,300 *
50	81.7	284.6	138,600 *
55	80.6	283.8	130,900 *
60	79.6	282.9	129,100 *
65	78.5	281.8	119,800
70	77.5	280.7	107,500
75	76.4	279.5	97,100
80	75.4	278.2	88,200
85	74.3	276.8	80,500
90	73.2	275.3	73,800
95	72.2	273.7	67,900
100	71.1	271.9	62,600
105	70.0	270.1	58,000
110	68.9	268.2	53,700
115	67.8	266.1	49,900
120	66.7	264.0	46,500
125	65.6	261.7	43,300
130	64.4	259.3	40,500
135	63.3	256.8	37,800
140	62.1	254.1	35,400
145	61.0	251.4	33,100
150	59.8	248.5	31,000
155	58.6	245.4	29,000
160	57.4	242.2	27,200
165	56.1	238.8	25,500
170	54.9	235.3	23,900
175	53.6	231.6	22,400
180	52.3	227.8	21,000
185	51.0	223.7	19,700
190	49.7	219.5	18,400
195	48.3	215.1	17,200
200	46.9	210.4	16,100
205	45.5	205.5	15,000
210	44.0	200.3	14,000
215	42.5	194.9	13,100
220	40.9	189.2	12,100
225	39.3	183.1	11,300
230	37.6	176.7	10,400 *
235	35.9	169.9	9,200 *
240	34.1	162.6	8,000 *
245	32.2	154.7	6,900 *
250	30.2	146.3	5,800 *
255	28.0	137.1	4,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
290 Ft. BOOM			
46	82.7	295.3	132,000 *
48	82.3	295.0	131,400 *
50	81.9	294.7	130,800 *
55	80.9	293.9	129,600 *
60	79.9	293.0	127,400 *
65	78.9	292.1	119,500
70	77.9	291.0	107,100
75	76.9	289.8	96,700
80	75.9	288.6	87,800
85	74.9	287.2	80,100
90	73.8	285.7	73,400
95	72.8	284.2	67,500
100	71.8	282.5	62,200
105	70.7	280.8	57,600
110	69.7	278.9	53,300
115	68.6	277.0	49,500
120	67.5	274.9	46,100
125	66.5	272.7	42,900
130	65.4	270.4	40,100
135	64.3	268.0	37,400
140	63.2	265.5	35,000
145	62.0	262.8	32,700
150	60.9	260.0	30,600
155	59.8	257.1	28,600
160	58.6	254.1	26,800
165	57.4	250.9	25,100
170	56.3	247.5	23,500
175	55.1	244.0	22,000
180	53.8	240.4	20,600
185	52.6	236.6	19,300
190	51.3	232.6	18,000
195	50.0	228.4	16,800
200	48.7	224.0	15,700
205	47.4	219.4	14,600
210	46.0	214.6	13,600
215	44.6	209.6	12,700
220	43.2	204.3	11,700
225	41.7	198.7	10,900
230	40.2	192.8	10,000
235	38.6	186.6	9,000 *
240	37.0	180.0	7,800 *
245	35.3	173.0	6,700 *
250	33.5	165.5	5,600 *
255	31.6	157.5	4,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
300 Ft. BOOM			
46	83.0	305.4	123,300 *
48	82.6	305.1	122,900 *
50	82.2	304.8	122,600 *
55	81.3	304.1	120,400 *
60	80.3	303.2	116,000 *
65	79.3	302.3	111,900 *
70	78.3	301.2	106,500
75	77.4	300.1	96,000
80	76.4	298.9	87,100
85	75.4	297.6	79,400
90	74.4	296.2	72,700
95	73.4	294.7	66,800
100	72.4	293.1	61,600
105	71.4	291.4	56,900
110	70.4	289.6	52,700
115	69.4	287.7	48,800
120	68.3	285.7	45,400
125	67.3	283.6	42,200
130	66.2	281.4	39,300
135	65.2	279.1	36,700
140	64.1	276.7	34,200
145	63.1	274.1	32,000
150	62.0	271.5	29,900
155	60.9	268.7	27,900
160	59.8	265.8	26,100
165	58.7	262.7	24,400
170	57.5	259.6	22,800
175	56.4	256.2	21,300
180	55.2	252.8	19,900
185	54.0	249.1	18,500
190	52.8	245.4	17,300
195	51.6	241.4	16,100
200	50.4	237.3	15,000
205	49.1	233.0	13,900
210	47.8	228.4	12,900
215	46.5	223.7	11,700 *
220	45.2	218.8	10,400 *
225	43.8	213.6	9,200 *
230	42.4	208.1	8,100 *
235	40.9	202.4	7,000 *
240	39.5	196.4	6,000 *
245	37.9	190.0	5,000 *
250	36.3	183.3	4,200 *