

Liftcrane Boom Capacities

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
Rating Over Front of Blocked Crawlers
No Travel - Limited Swing

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 over front of machine with crawlers blocked. 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 and front tumbler properly blocked so that centerline of idler tumbler becomes tipping fulcrum. Travel drive must be

to rear of machine. Swing is limited to that sector shown on Operating Range Diagram **No. 7582-A**. 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, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

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 and two 30,000 Lb. carbody counterweights.

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

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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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	367,200 *
34	69.3	72.4	346,000 *
36	67.5	71.6	327,100 *
38	65.7	70.6	310,000 *
40	63.8	69.5	290,800 *
42	61.9	68.4	271,200 *
44	60.0	67.2	253,800 *
46	58.1	65.9	238,200 *
48	56.1	64.5	224,100 *
50	54.0	62.9	211,300 *
55	48.6	58.6	184,000 *
60	42.6	53.2	159,900 *
65	35.8	46.6	133,600 *
70	27.4	37.6	110,200 *
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	366,400 *
34	72.0	83.2	345,200 *
36	70.5	82.4	326,300 *
38	68.9	81.6	309,200 *
40	67.3	80.7	293,800 *
42	65.8	79.8	278,000 *
44	64.2	78.7	260,200 *
46	62.5	77.6	244,300 *
48	60.9	76.5	229,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
50	59.2	75.2	216,900 *
55	54.8	71.7	189,200 *
60	50.2	67.6	166,800 *
65	45.1	62.7	148,100 *
70	39.6	56.8	131,200 *
75	33.3	49.4	111,200 *
80	25.4	39.7	92,700 *
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	365,900 *
34	74.1	93.7	344,700 *
36	72.7	93.1	325,800 *
38	71.4	92.4	308,800 *
40	70.0	91.6	293,300 *
42	68.6	90.8	279,300 *
44	67.2	89.9	266,300 *
46	65.8	88.9	250,000 *
48	64.4	87.9	235,400 *
50	63.0	86.8	222,100 *
55	59.3	83.9	194,000 *
60	55.4	80.4	171,200 *
65	51.3	76.5	152,400 *
70	47.0	71.8	136,500 *
75	42.3	66.5	122,900 *
80	37.1	60.0	110,300 *
85	31.2	52.1	94,500 *
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	364,900 *
34	75.7	104.2	343,800 *
36	74.5	103.6	324,900 *
38	73.3	103.0	307,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
40	72.1	102.3	292,500 *
42	70.9	101.5	278,500 *
44	69.7	100.8	265,700 *
46	68.4	99.9	253,600 *
48	67.2	99.0	237,900 *
50	65.9	98.1	223,900 *
55	62.7	95.5	194,800 *
60	59.3	92.5	172,000 *
65	55.9	89.2	153,600 *
70	52.3	85.3	138,500 *
75	48.5	80.9	125,700 *
80	44.4	75.9	113,900 *
85	40.0	70.0	103,500 *
90	35.1	63.1	93,700 *
95	29.5	54.7	80,800 *
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	343,200 *
36	76.0	114.0	324,300 *
38	74.9	113.4	307,300 *
40	73.8	112.8	291,900 *
42	72.7	112.2	277,900 *
44	71.6	111.5	265,100 *
46	70.5	110.7	253,400 *
48	69.4	109.9	237,600 *
50	68.2	109.1	223,600 *
55	65.4	106.8	194,500 *
60	62.4	104.2	171,700 *
65	59.4	101.2	153,400 *
70	56.3	97.9	138,300 *
75	53.0	94.1	125,600 *
80	49.6	89.9	114,900 *
85	46.0	85.1	105,600 *
90	42.2	79.7	97,000 *
95	38.0	73.4	88,800 *
100	33.3	66.0	80,700 *
105	28.0	57.1	69,900 *



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**Meets
ANSI B30.5
Requirements**

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	342,300 *
36	77.2	124.4	323,400 *
38	76.2	123.8	306,400 *
40	75.2	123.3	291,000 *
42	74.2	122.7	277,000 *
44	73.2	122.0	264,200 *
46	72.2	121.4	252,500 *
48	71.2	120.6	237,200
50	70.1	119.9	223,200
55	67.6	117.8	194,100
60	64.9	115.5	171,200
65	62.2	112.8	152,800
70	59.5	109.9	137,700
75	56.6	106.6	125,000
80	53.6	102.9	114,300
85	50.6	98.8	105,000
90	47.3	94.2	97,000
95	43.9	89.1	90,000
100	40.2	83.3	83,000 *
105	36.2	76.6	76,300 *
110	31.8	68.8	69,600 *
115	26.7	59.3	60,400 *
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	336,200 *
36	78.2	134.6	323,100 *
38	77.3	134.2	306,100 *
40	76.4	133.6	290,700 *
42	75.4	133.1	276,800 *
44	74.5	132.5	264,000 *
46	73.6	131.9	250,900 *
48	72.7	131.2	237,200
50	71.7	130.5	223,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
55	69.4	128.7	194,000
60	67.0	126.5	171,200
65	64.5	124.1	152,800
70	62.1	121.5	137,700
75	59.5	118.5	125,000
80	56.9	115.3	114,200
85	54.2	111.7	105,000
90	51.3	107.7	97,000
95	48.4	103.3	89,900
100	45.3	98.4	83,700
105	42.0	92.9	78,100
110	38.5	86.7	72,400 *
115	34.7	79.7	66,900 *
120	30.5	71.5	61,000 *
125	25.6	61.5	53,200 *
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	330,100 *
36	79.0	144.9	322,200 *
38	78.2	144.4	305,200 *
40	77.4	144.0	288,600 *
42	76.5	143.5	272,600 *
44	75.7	142.9	258,400 *
46	74.8	142.3	245,500 *
48	74.0	141.7	233,800 *
50	73.1	141.1	222,700
55	70.9	139.4	193,500
60	68.7	137.4	170,700
65	66.5	135.2	152,200
70	64.2	132.8	137,100
75	61.9	130.1	124,400
80	59.5	127.2	113,700
85	57.1	124.0	104,400
90	54.6	120.4	96,300
95	52.0	116.5	89,300
100	49.3	112.2	83,000
105	46.5	107.5	77,500
110	43.5	102.3	72,500
115	40.4	96.5	67,800 *
120	37.0	90.0	62,800 *
125	33.4	82.6	58,100 *
130	29.3	74.0	53,000 *

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	285,200 *
40	78.2	154.2	282,300 *
42	77.4	153.8	268,000 *
44	76.6	153.3	253,900 *
46	75.8	152.7	241,200 *
48	75.1	152.2	229,700 *
50	74.3	151.6	219,200 *
55	72.3	150.0	193,100
60	70.2	148.2	170,200
65	68.2	146.2	151,800
70	66.1	143.9	136,600
75	63.9	141.5	124,000
80	61.8	138.8	113,200
85	59.6	135.9	103,900
90	57.3	132.6	95,900
95	55.0	129.1	88,800
100	52.6	125.3	82,600
105	50.1	121.2	77,000
110	47.5	116.6	72,000
115	44.8	111.6	67,500
120	42.0	106.1	63,400
125	38.9	100.0	59,100 *
130	35.7	93.2	54,800 *
135	32.2	85.4	50,900 *
140	28.3	76.5	46,300 *



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60,000 Lb. Carbody Counterweight
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No Travel - Limited Swing

Meets
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	278,300 *
40	79.0	164.5	275,700 *
42	78.2	164.0	263,500 *
44	77.5	163.6	249,500 *
46	76.8	163.1	237,000 *
48	76.0	162.6	225,600 *
50	75.3	162.0	215,300 *
55	73.4	160.5	192,600
60	71.5	158.8	169,700
65	69.6	157.0	151,200
70	67.7	154.9	136,000
75	65.7	152.6	123,300
80	63.7	150.2	112,600
85	61.7	147.5	103,300
90	59.6	144.5	95,200
95	57.5	141.3	88,200
100	55.3	137.9	81,900
105	53.1	134.1	76,300
110	50.7	130.1	71,400
115	48.4	125.6	66,900
120	45.9	120.8	62,800
125	43.3	115.6	59,100
130	40.5	109.8	55,300 *
135	37.6	103.4	51,400 *
140	34.5	96.2	47,700 *
145	31.1	88.2	44,300 *
150	27.3	78.8	40,100 *

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	273,100 *
40	79.6	174.7	270,700 *
42	78.9	174.3	259,300 *
44	78.2	173.8	245,500 *
46	77.5	173.4	233,100 *
48	76.9	172.9	221,900 *
50	76.2	172.4	211,800 *
55	74.4	171.0	189,900 *
60	72.6	169.4	169,600
65	70.9	167.6	151,100
70	69.1	165.7	135,900
75	67.2	163.6	123,200
80	65.4	161.3	112,400
85	63.5	158.8	103,200
90	61.6	156.1	95,100
95	59.6	153.2	88,100
100	57.6	150.0	81,800
105	55.6	146.6	76,200
110	53.5	142.9	71,200
115	51.3	138.9	66,700
120	49.1	134.6	62,700
125	46.8	129.9	59,000
130	44.4	124.9	55,600
135	41.9	119.3	52,400 *
140	39.2	113.3	48,800 *
145	36.4	106.6	45,400 *
150	33.4	99.2	42,300 *
155	30.1	90.8	39,300 *
160	26.5	81.1	35,500 *

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	265,200 *
42	79.6	184.5	254,700 *
44	78.9	184.1	241,000 *
46	78.3	183.6	228,800 *
48	77.6	183.2	217,700 *
50	76.9	182.7	207,700 *
55	75.3	181.4	186,200 *
60	73.6	179.9	168,600 *
65	72.0	178.3	150,500
70	70.3	176.5	135,400
75	68.6	174.5	122,600
80	66.8	172.3	111,800
85	65.1	170.0	102,600
90	63.3	167.5	94,500
95	61.5	164.8	87,400
100	59.6	161.8	81,200
105	57.8	158.7	75,600
110	55.8	155.3	70,600
115	53.9	151.7	66,100
120	51.8	147.7	62,000
125	49.8	143.5	58,300
130	47.6	139.0	54,900
135	45.4	134.1	51,800
140	43.1	128.8	48,900 *
145	40.6	123.0	45,500 *
150	38.1	116.7	42,400 *
155	35.4	109.8	39,500 *
160	32.4	102.1	36,700 *
165	29.2	93.4	34,000 *
170	25.7	83.3	30,500 *



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	232,000 *
44	79.5	194.3	229,900 *
46	78.9	193.9	225,700 *
48	78.3	193.4	214,700 *
50	77.6	193.0	204,700 *
55	76.1	191.7	183,300 *
60	74.5	190.3	165,800 *
65	72.9	188.8	150,100
70	71.4	187.1	134,900
75	69.7	185.3	122,100
80	68.1	183.2	111,300
85	66.5	181.1	102,000
90	64.8	178.7	94,000
95	63.1	176.2	86,900
100	61.4	173.4	80,600
105	59.7	170.5	75,100
110	57.9	167.4	70,100
115	56.1	164.0	65,500
120	54.2	160.4	61,500
125	52.3	156.6	57,800
130	50.3	152.4	54,400
135	48.3	148.0	51,200
140	46.2	143.2	48,400
145	44.1	138.1	45,700
150	41.8	132.6	42,600 *
155	39.5	126.6	39,700 *
160	37.0	120.0	36,900 *
165	34.4	112.8	34,400 *
170	31.5	104.8	31,900 *
175	28.4	95.8	29,500 *

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	223,200 *
46	79.4	204.1	218,200 *
48	78.9	203.7	211,900 *
50	78.3	203.2	201,900 *
55	76.8	202.1	180,500 *
60	75.3	200.7	163,100 *
65	73.8	199.3	148,700 *
70	72.3	197.7	134,300
75	70.8	195.9	121,500
80	69.3	194.0	110,700
85	67.7	192.0	101,400
90	66.2	189.8	93,300
95	64.6	187.4	86,200
100	63.0	184.8	80,000
105	61.3	182.1	74,400
110	59.7	179.2	69,400
115	58.0	176.0	64,900
120	56.3	172.7	60,800
125	54.5	169.1	57,100
130	52.7	165.3	53,700
135	50.9	161.3	50,600
140	49.0	157.0	47,700
145	47.0	152.3	45,000
150	45.0	147.3	42,500 *
155	42.9	142.0	39,600 *
160	40.7	136.2	36,800 *
165	38.4	130.0	34,300 *
170	36.0	123.2	31,800 *
175	33.4	115.8	29,500 *
180	30.7	107.5	27,300 *
185	27.7	98.3	25,200 *

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	209,400 *
48	79.4	213.9	204,700 *
50	78.8	213.5	199,100 *
55	77.4	212.3	177,900 *
60	76.0	211.1	160,700 *
65	74.6	209.7	146,400 *
70	73.2	208.2	134,000
75	71.8	206.5	121,300
80	70.3	204.7	110,500
85	68.8	202.8	101,200
90	67.4	200.7	93,100
95	65.9	198.5	86,000
100	64.4	196.1	79,700
105	62.8	193.5	74,200
110	61.3	190.8	69,200
115	59.7	187.8	64,600
120	58.1	184.7	60,600
125	56.4	181.4	56,800
130	54.8	177.9	53,400
135	53.1	174.1	50,300
140	51.3	170.1	47,400
145	49.5	165.9	44,800
150	47.7	161.4	42,300
155	45.8	156.5	40,000 *
160	43.8	151.3	37,300 *
165	41.8	145.8	34,700 *
170	39.7	139.8	32,300 *
175	37.4	133.4	30,100 *
180	35.1	126.4	27,900 *
185	32.6	118.7	25,800 *
190	29.9	110.2	23,900 *
195	27.0	100.6	22,000 *



Liftcrane Boom Capacities

M-250 SERIES 2

Boom No. 44 With Heavy Lift Top
207,000 Lb. Crane Counterweight
60,000 Lb. Carbody Counterweight
Rating Over Front of Blocked Crawlers
No Travel - Limited Swing

**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	195,600 *
50	79.4	223.7	191,200 *
55	78.0	222.6	174,800 *
60	76.7	221.4	157,700 *
65	75.3	220.1	143,600 *
70	74.0	218.7	131,600 *
75	72.6	217.1	120,700
80	71.2	215.4	109,900
85	69.9	213.5	100,600
90	68.5	211.6	92,500
95	67.0	209.4	85,400
100	65.6	207.2	79,100
105	64.2	204.7	73,500
110	62.7	202.2	68,500
115	61.2	199.4	64,000
120	59.7	196.5	59,900
125	58.2	193.4	56,200
130	56.6	190.1	52,800
135	55.0	186.6	49,700
140	53.4	182.9	46,800
145	51.7	179.0	44,100
150	50.1	174.8	41,700
155	48.3	170.4	39,400
160	46.5	165.6	37,000 *
165	44.7	160.6	34,400 *
170	42.8	155.2	32,000 *
175	40.8	149.5	29,800 *
180	38.7	143.3	27,600 *
185	36.5	136.6	25,600 *
190	34.2	129.4	23,700 *
195	31.8	121.5	21,800 *
200	29.2	112.7	20,000 *
205	26.3	102.9	18,300 *

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	180,200 *
55	78.6	232.9	170,900 *
60	77.3	231.7	155,700 *
65	76.0	230.5	141,600 *
70	74.7	229.1	129,600 *
75	73.4	227.6	119,400 *
80	72.1	226.0	109,300
85	70.8	224.2	100,000
90	69.4	222.3	91,900
95	68.1	220.3	84,800
100	66.7	218.2	78,500
105	65.4	215.9	73,000
110	64.0	213.4	67,900
115	62.6	210.8	63,400
120	61.2	208.1	59,300
125	59.7	205.1	55,600
130	58.3	202.1	52,200
135	56.8	198.8	49,100
140	55.2	195.3	46,200
145	53.7	191.7	43,500
150	52.1	187.8	41,100
155	50.5	183.7	38,800
160	48.9	179.3	36,700
165	47.2	174.7	34,300 *
170	45.4	169.8	31,900 *
175	43.6	164.6	29,600 *
180	41.8	159.0	27,500 *
185	39.8	153.1	25,500 *
190	37.8	146.7	23,500 *
195	35.7	139.8	21,700 *
200	33.5	132.4	20,000 *
205	31.1	124.2	18,300 *
210	28.5	115.2	16,700 *
215	25.7	105.1	15,100 *

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	162,500 *
60	77.8	242.0	153,000 *
65	76.6	240.8	139,000 *
70	75.4	239.5	127,100 *
75	74.1	238.0	117,000 *
80	72.9	236.5	108,200 *
85	71.6	234.8	99,400
90	70.3	233.0	91,300
95	69.1	231.1	84,200
100	67.8	229.1	77,900
105	66.5	226.9	72,300
110	65.2	224.6	67,300
115	63.8	222.1	62,800
120	62.5	219.5	58,700
125	61.1	216.7	54,900
130	59.7	213.8	51,500
135	58.3	210.7	48,400
140	56.9	207.5	45,500
145	55.5	204.0	42,900
150	54.0	200.4	40,400
155	52.5	196.6	38,100
160	50.9	192.5	36,000
165	49.4	188.2	33,900 *
170	47.8	183.7	31,500 *
175	46.1	178.9	29,200 *
180	44.4	173.9	27,100 *
185	42.6	168.5	25,000 *
190	40.8	162.7	23,100 *
195	38.9	156.6	21,300 *
200	37.0	150.0	19,600 *
205	34.9	142.9	17,900 *
210	32.7	135.3	16,300 *
215	30.4	126.9	14,800 *
220	27.9	117.7	13,300 *
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
Rating Over Front of Blocked Crawlers
No Travel - Limited Swing

**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	156,500 *
60	78.3	252.2	148,300 *
65	77.1	251.1	139,300 *
70	76.0	249.8	127,400 *
75	74.8	248.5	117,300 *
80	73.6	247.0	108,500 *
85	72.4	245.4	100,200 *
90	71.2	243.7	92,100 *
95	69.9	241.8	85,000 *
100	68.7	239.9	78,700 *
105	67.5	237.8	73,100 *
110	66.2	235.6	68,100 *
115	64.9	233.3	63,600 *
120	63.7	230.8	59,500 *
125	62.4	228.2	55,800 *
130	61.1	225.4	52,400 *
135	59.7	222.5	49,300 *
140	58.4	219.4	46,400 *
145	57.0	216.2	43,700 *
150	55.6	212.7	41,200 *
155	54.2	209.1	39,000 *
160	52.8	205.4	36,800 *
165	51.3	201.4	34,800 *
170	49.8	197.2	33,000 *
175	48.3	192.7	30,900 *
180	46.7	188.0	28,800 *
185	45.1	183.1	26,800 *
190	43.4	177.8	24,900 *
195	41.7	172.2	23,100 *
200	40.0	166.3	21,300 *
205	38.1	160.0	19,700 *
210	36.2	153.2	18,100 *
215	34.2	146.0	16,600 *
220	32.0	138.1	15,200 *
225	29.7	129.5	13,800 *
230	27.3	120.1	12,400 *

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	140,700 *
65	77.6	261.4	133,100 *
70	76.5	260.1	125,100 *
75	75.4	258.8	115,000 *
80	74.2	257.4	106,300 *
85	73.1	255.9	98,700 *
90	71.9	254.2	91,500 *
95	70.7	252.5	84,400 *
100	69.6	250.6	78,100 *
105	68.4	248.6	72,500 *
110	67.2	246.5	67,500 *
115	66.0	244.3	63,000 *
120	64.8	241.9	58,900 *
125	63.5	239.4	55,100 *
130	62.3	236.8	51,700 *
135	61.0	234.0	48,600 *
140	59.8	231.1	45,700 *
145	58.5	228.1	43,000 *
150	57.1	224.8	40,600 *
155	55.8	221.4	38,300 *
160	54.5	217.9	36,100 *
165	53.1	214.1	34,200 *
170	51.7	210.2	32,300 *
175	50.2	206.0	30,500 *
180	48.8	201.7	28,300 *
185	47.3	197.1	26,300 *
190	45.8	192.2	24,400 *
195	44.2	187.1	22,600 *
200	42.6	181.7	20,900 *
205	40.9	176.0	19,200 *
210	39.1	169.9	17,700 *
215	37.3	163.4	16,200 *
220	35.4	156.4	14,700 *
225	33.5	149.0	13,400 *
230	31.4	140.9	12,000 *
235	29.1	132.1	10,800 *
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	125,000 *
70	77.0	270.4	118,300 *
75	75.9	269.2	111,900 *
80	74.8	267.8	104,300 *
85	73.7	266.4	96,700 *
90	72.6	264.8	90,000 *
95	71.5	263.1	83,800 *
100	70.4	261.3	77,500 *
105	69.2	259.4	71,900 *
110	68.1	257.4	66,900 *
115	66.9	255.3	62,400 *
120	65.8	253.0	58,300 *
125	64.6	250.6	54,500 *
130	63.4	248.1	51,100 *
135	62.2	245.5	48,000 *
140	61.0	242.7	45,100 *
145	59.8	239.8	42,500 *
150	58.5	236.7	40,000 *
155	57.3	233.5	37,700 *
160	56.0	230.1	35,500 *
165	54.7	226.6	33,600 *
170	53.4	222.9	31,700 *
175	52.0	219.0	29,900 *
180	50.6	214.9	27,900 *
185	49.2	210.6	25,900 *
190	47.8	206.1	24,000 *
195	46.3	201.3	22,200 *
200	44.8	196.3	20,500 *
205	43.3	191.1	18,800 *
210	41.7	185.5	17,300 *
215	40.1	179.6	15,800 *
220	38.4	173.3	14,400 *
225	36.6	166.6	13,000 *
230	34.8	159.5	11,700 *
235	32.8	151.9	10,400 *
240	30.8	143.6	9,200 *
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
Rating Over Front of Blocked Crawlers
No Travel - Limited Swing

**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	127,700 *
70	77.5	280.7	122,200 *
75	76.4	279.5	112,100 *
80	75.4	278.2	103,400 *
85	74.3	276.8	95,800 *
90	73.2	275.3	89,100 *
95	72.2	273.7	83,100 *
100	71.1	271.9	77,400 *
105	70.0	270.1	71,800 *
110	68.9	268.2	66,800 *
115	67.8	266.1	62,200 *
120	66.7	264.0	58,100 *
125	65.6	261.7	54,400 *
130	64.4	259.3	51,000 *
135	63.3	256.8	47,800 *
140	62.1	254.1	44,900 *
145	61.0	251.4	42,300 *
150	59.8	248.5	39,800 *
155	58.6	245.4	37,500 *
160	57.4	242.2	35,400 *
165	56.1	238.8	33,200 *
170	54.9	235.3	30,800 *
175	53.6	231.6	28,500 *
180	52.3	227.8	26,400 *
185	51.0	223.7	24,400 *
190	49.7	219.5	22,500 *
195	48.3	215.1	20,700 *
200	46.9	210.4	19,000 *
205	45.5	205.5	17,400 *
210	44.0	200.3	15,900 *
215	42.5	194.9	14,400 *
220	40.9	189.2	13,000 *
225	39.3	183.1	11,700 *
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	124,000 *
70	77.9	291.0	120,000 *
75	76.9	289.8	110,500 *
80	75.9	288.6	101,800 *
85	74.9	287.2	94,300 *
90	73.8	285.7	87,600 *
95	72.8	284.2	81,700 *
100	71.8	282.5	76,400 *
105	70.7	280.8	71,400 *
110	69.7	278.9	66,400 *
115	68.6	277.0	61,800 *
120	67.5	274.9	57,700 *
125	66.5	272.7	54,000 *
130	65.4	270.4	50,600 *
135	64.3	268.0	47,400 *
140	63.2	265.5	44,500 *
145	62.0	262.8	41,900 *
150	60.9	260.0	39,400 *
155	59.8	257.1	37,100 *
160	58.6	254.1	35,000 *
165	57.4	250.9	33,000 *
170	56.3	247.5	30,600 *
175	55.1	244.0	28,300 *
180	53.8	240.4	26,200 *
185	52.6	236.6	24,200 *
190	51.3	232.6	22,300 *
195	50.0	228.4	20,500 *
200	48.7	224.0	18,800 *
205	47.4	219.4	17,200 *
210	46.0	214.6	15,700 *
215	44.6	209.6	14,200 *
220	43.2	204.3	12,800 *
225	41.7	198.7	11,500 *
230	40.2	192.8	10,200 *
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	108,300 *
75	77.4	300.1	104,900 *
80	76.4	298.9	99,800 *
85	75.4	297.6	92,300 *
90	74.4	296.2	85,700 *
95	73.4	294.7	79,800 *
100	72.4	293.1	74,500 *
105	71.4	291.4	69,800 *
110	70.4	289.6	65,500 *
115	69.4	287.7	61,200 *
120	68.3	285.7	57,000 *
125	67.3	283.6	53,300 *
130	66.2	281.4	49,900 *
135	65.2	279.1	46,700 *
140	64.1	276.7	43,800 *
145	63.1	274.1	41,200 *
150	62.0	271.5	38,600 *
155	60.9	268.7	35,600 *
160	59.8	265.8	32,800 *
165	58.7	262.7	30,200 *
170	57.5	259.6	27,800 *
175	56.4	256.2	25,500 *
180	55.2	252.8	23,300 *
185	54.0	249.1	21,300 *
190	52.8	245.4	19,500 *
195	51.6	241.4	17,700 *
200	50.4	237.3	16,100 *
205	49.1	233.0	14,500 *
210	47.8	228.4	13,100 *
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 *