

Liftcrane Boom Capacities

M-250 SERIES 3

Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 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, 248,700 Lb. crane counterweight, two 30,000 Lb. and four 15,000 Lb. carbody counterweights.

Maximum Boom and Jib Lengths Lifted Unassisted Over Front, Side or Rear of 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.



Liftcrane Boom Capacities

M-250 SERIES 3

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

Meets
 ANSI B30.5
 Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	550,000 *
22	79.6	76.3	541,500 *
23	78.8	76.1	527,100 *
24	77.9	75.8	506,300 *
25	77.1	75.6	487,000 *
26	76.2	75.3	469,100 *
27	75.4	75.0	452,500 *
28	74.5	74.7	436,900 *
29	73.7	74.4	422,300 *
30	72.8	74.0	408,700 *
32	71.0	73.3	383,800 *
34	69.3	72.4	361,600 *
36	67.5	71.6	340,900 *
38	65.7	70.6	315,400 *
40	63.8	69.5	293,000 *
42	61.9	68.4	273,200 *
44	60.0	67.2	255,600 *
46	58.1	65.9	239,800 *
48	56.1	64.5	225,600 *
50	54.0	62.9	212,600 *
55	48.6	58.6	185,000 *
60	42.6	53.2	160,400 *
65	35.8	46.6	133,900 *
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	518,500 *
24	79.5	86.1	505,700 *
25	78.7	85.9	486,400 *
26	78.0	85.6	468,500 *
27	77.3	85.4	451,900 *
28	76.5	85.1	436,300 *
29	75.8	84.8	421,800 *
30	75.0	84.5	408,100 *
32	73.5	83.9	383,200 *
34	72.0	83.2	361,100 *
36	70.5	82.4	341,300 *
38	68.9	81.6	323,400 *
40	67.3	80.7	300,700 *
42	65.8	79.8	280,400 *
44	64.2	78.7	262,500 *
46	62.5	77.6	246,300 *
48	60.9	76.5	231,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
50	59.2	75.2	218,600 *
55	54.8	71.7	190,600 *
60	50.2	67.6	167,800 *
65	45.1	62.7	149,000 *
70	39.6	56.8	131,600 *
75	33.3	49.4	111,400 *
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	489,800 *
25	80.0	96.1	486,000 *
26	79.3	95.9	468,100 *
27	78.7	95.7	451,500 *
28	78.0	95.4	435,900 *
29	77.4	95.2	421,400 *
30	76.7	94.9	407,700 *
32	75.4	94.4	382,900 *
34	74.1	93.7	360,700 *
36	72.7	93.1	340,900 *
38	71.4	92.4	323,100 *
40	70.0	91.6	304,200 *
42	68.6	90.8	283,300 *
44	67.2	89.9	264,900 *
46	65.8	88.9	248,700 *
48	64.4	87.9	234,200 *
50	63.0	86.8	221,200 *
55	59.3	83.9	194,000 *
60	55.4	80.4	172,400 *
65	51.3	76.5	153,500 *
70	47.0	71.8	137,400 *
75	42.3	66.5	123,600 *
80	37.1	60.0	110,700 *
85	31.2	52.1	94,600 *
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	470,600 *
26	80.4	106.1	467,400 *
27	79.8	105.9	450,700 *
28	79.3	105.7	435,200 *
29	78.7	105.5	420,600 *
30	78.1	105.2	407,000 *
32	76.9	104.7	382,100 *
34	75.7	104.2	360,000 *
36	74.5	103.6	340,200 *
38	73.3	103.0	322,400 *
40	72.1	102.3	304,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
42	70.9	101.5	283,100
44	69.7	100.8	264,700
46	68.4	99.9	248,400
48	67.2	99.0	234,000
50	65.9	98.1	221,000
55	62.7	95.5	193,700
60	59.3	92.5	172,100
65	55.9	89.2	154,400
70	52.3	85.3	139,800
75	48.5	80.9	126,700 *
80	44.4	75.9	114,700 *
85	40.0	70.0	104,100 *
90	35.1	63.1	94,000 *
95	29.5	54.7	80,900 *
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	350,600 *
36	76.0	114.0	339,800 *
38	74.9	113.4	321,900 *
40	73.8	112.8	303,900
42	72.7	112.2	282,900
44	71.6	111.5	264,500
46	70.5	110.7	248,300
48	69.4	109.9	233,800
50	68.2	109.1	220,800
55	65.4	106.8	193,500
60	62.4	104.2	171,800
65	59.4	101.2	154,200
70	56.3	97.9	139,500
75	53.0	94.1	127,200
80	49.6	89.9	116,600
85	46.0	85.1	106,900 *
90	42.2	79.7	97,600 *
95	38.0	73.4	89,200 *
100	33.3	66.0	80,900 *
105	28.0	57.1	70,000 *



Liftcrane Boom Capacities

M-250 SERIES 3

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

Meets
ANSI B30.5
Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	343,800 *
36	77.2	124.4	339,000 *
38	76.2	123.8	321,200 *
40	75.2	123.3	303,600
42	74.2	122.7	282,600
44	73.2	122.0	264,200
46	72.2	121.4	247,900
48	71.2	120.6	233,400
50	70.1	119.9	220,400
55	67.6	117.8	193,100
60	64.9	115.5	171,400
65	62.2	112.8	153,800
70	59.5	109.9	139,100
75	56.6	106.6	126,700
80	53.6	102.9	116,200
85	50.6	98.8	107,000
90	47.3	94.2	99,000
95	43.9	89.1	91,000 *
100	40.2	83.3	83,600 *
105	36.2	76.6	76,800 *
110	31.8	68.8	69,700 *
115	26.7	59.3	60,500 *
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	333,200 *
38	77.3	134.2	316,900 *
40	76.4	133.6	298,300 *
42	75.4	133.1	281,800 *
44	74.5	132.5	264,200
46	73.6	131.9	247,900
48	72.7	131.2	233,400
50	71.7	130.5	220,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
55	69.4	128.7	193,100
60	67.0	126.5	171,400
65	64.5	124.1	153,700
70	62.1	121.5	139,000
75	59.5	118.5	126,700
80	56.9	115.3	116,100
85	54.2	111.7	106,900
90	51.3	107.7	99,000
95	48.4	103.3	91,900
100	45.3	98.4	85,600 *
105	42.0	92.9	78,800 *
110	38.5	86.7	72,700 *
115	34.7	79.7	67,100 *
120	30.5	71.5	61,100 *
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	327,200 *
38	78.2	144.4	310,400 *
40	77.4	144.0	292,100 *
42	76.5	143.5	276,000 *
44	75.7	142.9	261,500 *
46	74.8	142.3	247,500
48	74.0	141.7	233,000
50	73.1	141.1	220,000
55	70.9	139.4	192,600
60	68.7	137.4	170,900
65	66.5	135.2	153,200
70	64.2	132.8	138,500
75	61.9	130.1	126,200
80	59.5	127.2	115,600
85	57.1	124.0	106,400
90	54.6	120.4	98,400
95	52.0	116.5	91,400
100	49.3	112.2	85,100
105	46.5	107.5	79,600
110	43.5	102.3	73,700 *
115	40.4	96.5	68,200 *
120	37.0	90.0	63,100 *
125	33.4	82.6	58,400 *
130	29.3	74.0	53,100 *

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	271,500 *
44	76.6	153.3	257,200 *
46	75.8	152.7	244,200 *
48	75.1	152.2	232,500 *
50	74.3	151.6	219,600
55	72.3	150.0	192,200
60	70.2	148.2	170,500
65	68.2	146.2	152,800
70	66.1	143.9	138,100
75	63.9	141.5	125,700
80	61.8	138.8	115,100
85	59.6	135.9	106,000
90	57.3	132.6	98,000
95	55.0	129.1	91,000
100	52.6	125.3	84,700
105	50.1	121.2	79,100
110	47.5	116.6	74,100
115	44.8	111.6	69,100 *
120	42.0	106.1	64,100 *
125	38.9	100.0	59,400 *
130	35.7	93.2	55,100 *
135	32.2	85.4	51,000 *
140	28.3	76.5	46,300 *



Liftcrane Boom Capacities

M-250 SERIES 3

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

Meets
ANSI B30.5
Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	267,200 *
44	77.5	163.6	253,000 *
46	76.8	163.1	240,300 *
48	76.0	162.6	228,700 *
50	75.3	162.0	218,200 *
55	73.4	160.5	191,700
60	71.5	158.8	170,000
65	69.6	157.0	152,300
70	67.7	154.9	137,600
75	65.7	152.6	125,200
80	63.7	150.2	114,600
85	61.7	147.5	105,400
90	59.6	144.5	97,400
95	57.5	141.3	90,400
100	55.3	137.9	84,100
105	53.1	134.1	78,500
110	50.7	130.1	73,500
115	48.4	125.6	69,000
120	45.9	120.8	64,600 *
125	43.3	115.6	60,000 *
130	40.5	109.8	55,700 *
135	37.6	103.4	51,700 *
140	34.5	96.2	47,900 *
145	31.1	88.2	44,400 *
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	263,000 *
44	78.2	173.8	249,000 *
46	77.5	173.4	236,400 *
48	76.9	172.9	225,000 *
50	76.2	172.4	214,700 *
55	74.4	171.0	191,600
60	72.6	169.4	169,800
65	70.9	167.6	152,100
70	69.1	165.7	137,400
75	67.2	163.6	125,000
80	65.4	161.3	114,500
85	63.5	158.8	105,300
90	61.6	156.1	97,300
95	59.6	153.2	90,300
100	57.6	150.0	84,000
105	55.6	146.6	78,400
110	53.5	142.9	73,400
115	51.3	138.9	68,800
120	49.1	134.6	64,700
125	46.8	129.9	60,900
130	44.4	124.9	56,700 *
135	41.9	119.3	52,700 *
140	39.2	113.3	49,100 *
145	36.4	106.6	45,600 *
150	33.4	99.2	42,400 *
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	258,200 *
44	78.9	184.1	244,600 *
46	78.3	183.6	232,200 *
48	77.6	183.2	221,000 *
50	76.9	182.7	210,700 *
55	75.3	181.4	188,900 *
60	73.6	179.9	169,300
65	72.0	178.3	151,600
70	70.3	176.5	136,900
75	68.6	174.5	124,500
80	66.8	172.3	113,900
85	65.1	170.0	104,700
90	63.3	167.5	96,700
95	61.5	164.8	89,700
100	59.6	161.8	83,400
105	57.8	158.7	77,800
110	55.8	155.3	72,800
115	53.9	151.7	68,300
120	51.8	147.7	64,100
125	49.8	143.5	60,300
130	47.6	139.0	56,900
135	45.4	134.1	52,900 *
140	43.1	128.8	49,300 *
145	40.6	123.0	45,800 *
150	38.1	116.7	42,600 *
155	35.4	109.8	39,600 *
160	32.4	102.1	36,800 *
165	29.2	93.4	34,100 *
170	25.7	83.3	30,500 *



Liftcrane Boom Capacities

M-250 SERIES 3

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

**Meets
ANSI B30.5
Requirements**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
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	227,200 *
48	78.3	193.4	218,000 *
50	77.6	193.0	207,800 *
55	76.1	191.7	186,000 *
60	74.5	190.3	168,300 *
65	72.9	188.8	151,100
70	71.4	187.1	136,400
75	69.7	185.3	124,000
80	68.1	183.2	113,400
85	66.5	181.1	104,200
90	64.8	178.7	96,200
95	63.1	176.2	89,200
100	61.4	173.4	82,900
105	59.7	170.5	77,300
110	57.9	167.4	72,300
115	56.1	164.0	67,700
120	54.2	160.4	63,600
125	52.3	156.6	59,800
130	50.3	152.4	56,400
135	48.3	148.0	53,200
140	46.2	143.2	49,500 *
145	44.1	138.1	46,100 *
150	41.8	132.6	42,900 *
155	39.5	126.6	39,900 *
160	37.0	120.0	37,100 *
165	34.4	112.8	34,500 *
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	213,400 *
50	78.3	203.2	205,200 *
55	76.8	202.1	183,500 *
60	75.3	200.7	165,800 *
65	73.8	199.3	150,600
70	72.3	197.7	135,900
75	70.8	195.9	123,400
80	69.3	194.0	112,800
85	67.7	192.0	103,600
90	66.2	189.8	95,600
95	64.6	187.4	88,600
100	63.0	184.8	82,300
105	61.3	182.1	76,700
110	59.7	179.2	71,700
115	58.0	176.0	67,100
120	56.3	172.7	63,000
125	54.5	169.1	59,200
130	52.7	165.3	55,800
135	50.9	161.3	52,600
140	49.0	157.0	49,500 *
145	47.0	152.3	46,100 *
150	45.0	147.3	42,900 *
155	42.9	142.0	39,900 *
160	40.7	136.2	37,100 *
165	38.4	130.0	34,500 *
170	36.0	123.2	32,000 *
175	33.4	115.8	29,700 *
180	30.7	107.5	27,400 *
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	200,100 *
55	77.4	212.3	180,800 *
60	76.0	211.1	163,300 *
65	74.6	209.7	148,700 *
70	73.2	208.2	135,600
75	71.8	206.5	123,200
80	70.3	204.7	112,600
85	68.8	202.8	103,400
90	67.4	200.7	95,400
95	65.9	198.5	88,300
100	64.4	196.1	82,000
105	62.8	193.5	76,400
110	61.3	190.8	71,400
115	59.7	187.8	66,900
120	58.1	184.7	62,700
125	56.4	181.4	59,000
130	54.8	177.9	55,500
135	53.1	174.1	52,300
140	51.3	170.1	49,400
145	49.5	165.9	46,500 *
150	47.7	161.4	43,400 *
155	45.8	156.5	40,400 *
160	43.8	151.3	37,600 *
165	41.8	145.8	35,000 *
170	39.7	139.8	32,500 *
175	37.4	133.4	30,200 *
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 3

Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 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	195,600 *
50	79.4	223.7	191,200 *
55	78.0	222.6	177,800 *
60	76.7	221.4	160,500 *
65	75.3	220.1	146,000 *
70	74.0	218.7	133,800 *
75	72.6	217.1	122,600
80	71.2	215.4	112,000
85	69.9	213.5	102,800
90	68.5	211.6	94,800
95	67.0	209.4	87,700
100	65.6	207.2	81,500
105	64.2	204.7	75,800
110	62.7	202.2	70,800
115	61.2	199.4	66,300
120	59.7	196.5	62,100
125	58.2	193.4	58,300
130	56.6	190.1	54,900
135	55.0	186.6	51,700
140	53.4	182.9	48,800
145	51.7	179.0	46,100
150	50.1	174.8	43,200 *
155	48.3	170.4	40,200 *
160	46.5	165.6	37,400 *
165	44.7	160.6	34,800 *
170	42.8	155.2	32,300 *
175	40.8	149.5	30,000 *
180	38.7	143.3	27,800 *
185	36.5	136.6	25,700 *
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	158,500 *
65	76.0	230.5	144,100 *
70	74.7	229.1	131,900 *
75	73.4	227.6	121,500 *
80	72.1	226.0	111,500
85	70.8	224.2	102,300
90	69.4	222.3	94,300
95	68.1	220.3	87,200
100	66.7	218.2	80,900
105	65.4	215.9	75,300
110	64.0	213.4	70,300
115	62.6	210.8	65,700
120	61.2	208.1	61,600
125	59.7	205.1	57,800
130	58.3	202.1	54,300
135	56.8	198.8	51,200
140	55.2	195.3	48,200
145	53.7	191.7	45,500
150	52.1	187.8	43,000
155	50.5	183.7	40,100 *
160	48.9	179.3	37,300 *
165	47.2	174.7	34,700 *
170	45.4	169.8	32,200 *
175	43.6	164.6	29,900 *
180	41.8	159.0	27,700 *
185	39.8	153.1	25,600 *
190	37.8	146.7	23,700 *
195	35.7	139.8	21,800 *
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	153,900 *
65	76.6	240.8	141,600 *
70	75.4	239.5	129,500 *
75	74.1	238.0	119,100 *
80	72.9	236.5	110,200 *
85	71.6	234.8	101,700
90	70.3	233.0	93,700
95	69.1	231.1	86,600
100	67.8	229.1	80,300
105	66.5	226.9	74,700
110	65.2	224.6	69,600
115	63.8	222.1	65,100
120	62.5	219.5	60,900
125	61.1	216.7	57,200
130	59.7	213.8	53,700
135	58.3	210.7	50,500
140	56.9	207.5	47,600
145	55.5	204.0	44,900
150	54.0	200.4	42,300
155	52.5	196.6	39,800 *
160	50.9	192.5	37,000 *
165	49.4	188.2	34,400 *
170	47.8	183.7	31,900 *
175	46.1	178.9	29,600 *
180	44.4	173.9	27,400 *
185	42.6	168.5	25,300 *
190	40.8	162.7	23,400 *
195	38.9	156.6	21,500 *
200	37.0	150.0	19,700 *
205	34.9	142.9	18,000 *
210	32.7	135.3	16,400 *
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 3

Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 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	156,500 *
60	78.3	252.2	148,300 *
65	77.1	251.1	140,300 *
70	76.0	249.8	129,700 *
75	74.8	248.5	119,300 *
80	73.6	247.0	110,400 *
85	72.4	245.4	102,500
90	71.2	243.7	94,400
95	69.9	241.8	87,400
100	68.7	239.9	81,100
105	67.5	237.8	75,500
110	66.2	235.6	70,400
115	64.9	233.3	65,900
120	63.7	230.8	61,700
125	62.4	228.2	58,000
130	61.1	225.4	54,500
135	59.7	222.5	51,300
140	58.4	219.4	48,400
145	57.0	216.2	45,700
150	55.6	212.7	43,100
155	54.2	209.1	40,800
160	52.8	205.4	38,600
165	51.3	201.4	36,000 *
170	49.8	197.2	33,600 *
175	48.3	192.7	31,200 *
180	46.7	188.0	29,100 *
185	45.1	183.1	27,000 *
190	43.4	177.8	25,000 *
195	41.7	172.2	23,200 *
200	40.0	166.3	21,400 *
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	125,900 *
75	75.4	258.8	117,200 *
80	74.2	257.4	108,300 *
85	73.1	255.9	100,500 *
90	71.9	254.2	93,600 *
95	70.7	252.5	86,800
100	69.6	250.6	80,500
105	68.4	248.6	74,900
110	67.2	246.5	69,800
115	66.0	244.3	65,300
120	64.8	241.9	61,100
125	63.5	239.4	57,300
130	62.3	236.8	53,900
135	61.0	234.0	50,700
140	59.8	231.1	47,800
145	58.5	228.1	45,000
150	57.1	224.8	42,500
155	55.8	221.4	40,200
160	54.5	217.9	38,000
165	53.1	214.1	35,600 *
170	51.7	210.2	33,200 *
175	50.2	206.0	30,800 *
180	48.8	201.7	28,600 *
185	47.3	197.1	26,600 *
190	45.8	192.2	24,600 *
195	44.2	187.1	22,800 *
200	42.6	181.7	21,000 *
205	40.9	176.0	19,300 *
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	105,800 *
85	73.7	266.4	98,600 *
90	72.6	264.8	91,700 *
95	71.5	263.1	85,600 *
100	70.4	261.3	79,900
105	69.2	259.4	74,300
110	68.1	257.4	69,300
115	66.9	255.3	64,700
120	65.8	253.0	60,500
125	64.6	250.6	56,800
130	63.4	248.1	53,300
135	62.2	245.5	50,100
140	61.0	242.7	47,200
145	59.8	239.8	44,500
150	58.5	236.7	41,900
155	57.3	233.5	39,600
160	56.0	230.1	37,400
165	54.7	226.6	35,300
170	53.4	222.9	32,800 *
175	52.0	219.0	30,500 *
180	50.6	214.9	28,300 *
185	49.2	210.6	26,200 *
190	47.8	206.1	24,300 *
195	46.3	201.3	22,400 *
200	44.8	196.3	20,700 *
205	43.3	191.1	19,000 *
210	41.7	185.5	17,400 *
215	40.1	179.6	15,900 *
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 3

Boom No. 44 With Heavy Lift Top
248,700 Lb. Crane Counterweight
120,000 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	127,700 *
70	77.5	280.7	125,000 *
75	76.4	279.5	114,700 *
80	75.4	278.2	105,800 *
85	74.3	276.8	98,000 *
90	73.2	275.3	91,100 *
95	72.2	273.7	84,900 *
100	71.1	271.9	79,500 *
105	70.0	270.1	74,300 *
110	68.9	268.2	69,200 *
115	67.8	266.1	64,600 *
120	66.7	264.0	60,500 *
125	65.6	261.7	56,700 *
130	64.4	259.3	53,200 *
135	63.3	256.8	50,000 *
140	62.1	254.1	47,100 *
145	61.0	251.4	44,300 *
150	59.8	248.5	41,500 *
155	58.6	245.4	38,500 *
160	57.4	242.2	35,800 *
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	113,300 *
80	75.9	288.6	104,400 *
85	74.9	287.2	96,700 *
90	73.8	285.7	89,800 *
95	72.8	284.2	83,800 *
100	71.8	282.5	78,300 *
105	70.7	280.8	73,400 *
110	69.7	278.9	68,900 *
115	68.6	277.0	64,400 *
120	67.5	274.9	60,300 *
125	66.5	272.7	56,500 *
130	65.4	270.4	53,000 *
135	64.3	268.0	49,800 *
140	63.2	265.5	46,900 *
145	62.0	262.8	44,100 *
150	60.9	260.0	41,300 *
155	59.8	257.1	38,300 *
160	58.6	254.1	35,600 *
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	101,700 *
85	75.4	297.6	94,800 *
90	74.4	296.2	88,000 *
95	73.4	294.7	82,000 *
100	72.4	293.1	76,600 *
105	71.4	291.4	71,700 *
110	70.4	289.6	67,200 *
115	69.4	287.7	63,200 *
120	68.3	285.7	59,400 *
125	67.3	283.6	55,800 *
130	66.2	281.4	52,400 *
135	65.2	279.1	49,100 *
140	64.1	276.7	45,400 *
145	63.1	274.1	41,900 *
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 *