



# Liftcrane Boom Capacities

# M-250 SERIES 3

**Boom No. 44 With Heavy Lift Top**  
**248,700 Lb. Crane Counterweight**  
**120,000 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, 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 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.



# Liftcrane Boom Capacities

# M250 SERIES 3

**Boom No. 44 With Heavy Lift Top**  
**248,700 Lb. Crane Counterweight**  
**120,000 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
<b>70 Ft. BOOM</b>			
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 *
<b>80 Ft. BOOM</b>			
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
<b>80 Ft. BOOM</b>			
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 *
<b>90 Ft. BOOM</b>			
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	307,000 *
42	68.6	90.8	287,100 *
44	67.2	89.9	268,700 *
46	65.8	88.9	252,300 *
48	64.4	87.9	237,500 *
50	63.0	86.8	224,100 *
55	59.3	83.9	195,600 *
60	55.4	80.4	172,500 *
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 *
<b>100 Ft. BOOM</b>			
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	306,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>100 Ft. BOOM</b>			
42	70.9	101.5	291,600 *
44	69.7	100.8	274,000 *
46	68.4	99.9	257,200 *
48	67.2	99.0	242,200 *
50	65.9	98.1	228,500 *
55	62.7	95.5	199,400 *
60	59.3	92.5	176,000 *
65	55.9	89.2	156,700 *
70	52.3	85.3	140,500 *
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 *
<b>110 Ft. BOOM</b>			
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	305,800 *
42	72.7	112.2	291,200 *
44	71.6	111.5	277,100 *
46	70.5	110.7	262,600 *
48	69.4	109.9	247,200 *
50	68.2	109.1	233,200 *
55	65.4	106.8	203,600 *
60	62.4	104.2	179,700 *
65	59.4	101.2	160,100 *
70	56.3	97.9	143,600 *
75	53.0	94.1	129,600 *
80	49.6	89.9	117,500 *
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**  
**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
<b>120 Ft. BOOM</b>			
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	286,700 *
44	73.2	122.0	271,600 *
46	72.2	121.4	257,700 *
48	71.2	120.6	245,300 *
50	70.1	119.9	234,000 *
55	67.6	117.8	206,300 *
60	64.9	115.5	182,200 *
65	62.2	112.8	162,300 *
70	59.5	109.9	145,600 *
75	56.6	106.6	131,500 *
80	53.6	102.9	119,300 *
85	50.6	98.8	108,700 *
90	47.3	94.2	99,300 *
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 *
<b>130 Ft. BOOM</b>			
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	267,000 *
46	73.6	131.9	253,700 *
48	72.7	131.2	241,500 *
50	71.7	130.5	230,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<b>130 Ft. BOOM</b>			
55	69.4	128.7	206,600 *
60	67.0	126.5	185,100 *
65	64.5	124.1	164,900 *
70	62.1	121.5	148,100 *
75	59.5	118.5	133,800 *
80	56.9	115.3	121,400 *
85	54.2	111.7	110,700 *
90	51.3	107.7	101,300 *
95	48.4	103.3	93,000 *
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 *
<b>140 Ft. BOOM</b>			
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	248,400 *
48	74.0	141.7	236,600 *
50	73.1	141.1	225,800 *
55	70.9	139.4	202,600 *
60	68.7	137.4	183,400 *
65	66.5	135.2	166,600 *
70	64.2	132.8	149,500 *
75	61.9	130.1	135,100 *
80	59.5	127.2	122,700 *
85	57.1	124.0	111,900 *
90	54.6	120.4	102,400 *
95	52.0	116.5	94,000 *
100	49.3	112.2	86,500 *
105	46.5	107.5	79,800 *
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
<b>150 Ft. BOOM</b>			
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	221,900 *
55	72.3	150.0	199,100 *
60	70.2	148.2	180,300 *
65	68.2	146.2	164,500 *
70	66.1	143.9	151,000 *
75	63.9	141.5	136,500 *
80	61.8	138.8	124,000 *
85	59.6	135.9	113,100 *
90	57.3	132.6	103,500 *
95	55.0	129.1	95,100 *
100	52.6	125.3	87,600 *
105	50.1	121.2	80,800 *
110	47.5	116.6	74,700 *
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

# M250 SERIES 3

**Boom No. 44 With Heavy Lift Top  
248,700 Lb. Crane Counterweight  
120,000 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
<b>160 Ft. BOOM</b>			
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	195,700 *
60	71.5	158.8	177,200 *
65	69.6	157.0	161,600 *
70	67.7	154.9	148,400 *
75	65.7	152.6	136,900 *
80	63.7	150.2	125,000 *
85	61.7	147.5	114,000 *
90	59.6	144.5	104,300 *
95	57.5	141.3	95,800 *
100	55.3	137.9	88,200 *
105	53.1	134.1	81,400 *
110	50.7	130.1	75,300 *
115	48.4	125.6	69,700 *
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
<b>170 Ft. BOOM</b>			
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	192,500 *
60	72.6	169.4	174,300 *
65	70.9	167.6	159,100 *
70	69.1	165.7	146,200 *
75	67.2	163.6	135,000 *
80	65.4	161.3	125,100 *
85	63.5	158.8	115,200 *
90	61.6	156.1	105,500 *
95	59.6	153.2	96,900 *
100	57.6	150.0	89,300 *
105	55.6	146.6	82,500 *
110	53.5	142.9	76,300 *
115	51.3	138.9	70,700 *
120	49.1	134.6	65,600 *
125	46.8	129.9	61,000 *
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
<b>180 Ft. BOOM</b>			
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	171,000 *
65	72.0	178.3	156,000 *
70	70.3	176.5	143,300 *
75	68.6	174.5	132,400 *
80	66.8	172.3	122,800 *
85	65.1	170.0	114,300 *
90	63.3	167.5	106,000 *
95	61.5	164.8	97,300 *
100	59.6	161.8	89,600 *
105	57.8	158.7	82,800 *
110	55.8	155.3	76,600 *
115	53.9	151.7	71,000 *
120	51.8	147.7	65,900 *
125	49.8	143.5	61,200 *
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**  
**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
<b>190 Ft. BOOM</b>			
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	153,500 *
70	71.4	187.1	140,900 *
75	69.7	185.3	130,100 *
80	68.1	183.2	120,600 *
85	66.5	181.1	112,300 *
90	64.8	178.7	104,800 *
95	63.1	176.2	97,900 *
100	61.4	173.4	90,100 *
105	59.7	170.5	83,200 *
110	57.9	167.4	77,000 *
115	56.1	164.0	71,300 *
120	54.2	160.4	66,200 *
125	52.3	156.6	61,500 *
130	50.3	152.4	57,200 *
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
<b>200 Ft. BOOM</b>			
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	151,000 *
70	72.3	197.7	138,500 *
75	70.8	195.9	127,800 *
80	69.3	194.0	118,400 *
85	67.7	192.0	110,200 *
90	66.2	189.8	102,900 *
95	64.6	187.4	96,300 *
100	63.0	184.8	90,300 *
105	61.3	182.1	83,400 *
110	59.7	179.2	77,100 *
115	58.0	176.0	71,500 *
120	56.3	172.7	66,300 *
125	54.5	169.1	61,600 *
130	52.7	165.3	57,200 *
135	50.9	161.3	53,200 *
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
<b>210 Ft. BOOM</b>			
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	136,400 *
75	71.8	206.5	125,800 *
80	70.3	204.7	116,500 *
85	68.8	202.8	108,400 *
90	67.4	200.7	101,200 *
95	65.9	198.5	94,800 *
100	64.4	196.1	88,900 *
105	62.8	193.5	83,600 *
110	61.3	190.8	77,700 *
115	59.7	187.8	72,000 *
120	58.1	184.7	66,800 *
125	56.4	181.4	62,000 *
130	54.8	177.9	57,700 *
135	53.1	174.1	53,700 *
140	51.3	170.1	50,000 *
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

# M250 SERIES 3

**Boom No. 44 With Heavy Lift Top**  
**248,700 Lb. Crane Counterweight**  
**120,000 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
<b>220 Ft. BOOM</b>			
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	123,400 *
80	71.2	215.4	114,300 *
85	69.9	213.5	106,300 *
90	68.5	211.6	99,100 *
95	67.0	209.4	92,700 *
100	65.6	207.2	87,000 *
105	64.2	204.7	81,700 *
110	62.7	202.2	77,000 *
115	61.2	199.4	71,900 *
120	59.7	196.5	66,700 *
125	58.2	193.4	61,900 *
130	56.6	190.1	57,500 *
135	55.0	186.6	53,500 *
140	53.4	182.9	49,800 *
145	51.7	179.0	46,400 *
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
<b>230 Ft. BOOM</b>			
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	112,400 *
85	70.8	224.2	104,400 *
90	69.4	222.3	97,400 *
95	68.1	220.3	91,100 *
100	66.7	218.2	85,400 *
105	65.4	215.9	80,200 *
110	64.0	213.4	75,500 *
115	62.6	210.8	71,100 *
120	61.2	208.1	66,700 *
125	59.7	205.1	61,900 *
130	58.3	202.1	57,500 *
135	56.8	198.8	53,500 *
140	55.2	195.3	49,800 *
145	53.7	191.7	46,300 *
150	52.1	187.8	43,100 *
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
<b>240 Ft. BOOM</b>			
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	102,300 *
90	70.3	233.0	95,300 *
95	69.1	231.1	89,100 *
100	67.8	229.1	83,500 *
105	66.5	226.9	78,400 *
110	65.2	224.6	73,700 *
115	63.8	222.1	69,500 *
120	62.5	219.5	65,500 *
125	61.1	216.7	61,700 *
130	59.7	213.8	57,300 *
135	58.3	210.7	53,200 *
140	56.9	207.5	49,500 *
145	55.5	204.0	46,000 *
150	54.0	200.4	42,800 *
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**  
**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
<b>250 Ft. BOOM</b>			
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	95,600 *
95	69.9	241.8	89,400 *
100	68.7	239.9	83,800 *
105	67.5	237.8	78,700 *
110	66.2	235.6	74,100 *
115	64.9	233.3	69,900 *
120	63.7	230.8	66,000 *
125	62.4	228.2	62,400 *
130	61.1	225.4	59,100 *
135	59.7	222.5	55,000 *
140	58.4	219.4	51,300 *
145	57.0	216.2	47,700 *
150	55.6	212.7	44,500 *
155	54.2	209.1	41,500 *
160	52.8	205.4	38,700 *
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
<b>260 Ft. BOOM</b>			
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	87,400 *
100	69.6	250.6	81,900 *
105	68.4	248.6	76,900 *
110	67.2	246.5	72,400 *
115	66.0	244.3	68,200 *
120	64.8	241.9	64,400 *
125	63.5	239.4	60,800 *
130	62.3	236.8	57,500 *
135	61.0	234.0	54,500 *
140	59.8	231.1	50,900 *
145	58.5	228.1	47,400 *
150	57.1	224.8	44,100 *
155	55.8	221.4	41,100 *
160	54.5	217.9	38,300 *
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
<b>270 Ft. BOOM</b>			
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	80,200 *
105	69.2	259.4	75,200 *
110	68.1	257.4	70,700 *
115	66.9	255.3	66,600 *
120	65.8	253.0	62,800 *
125	64.6	250.6	59,300 *
130	63.4	248.1	56,100 *
135	62.2	245.5	53,100 *
140	61.0	242.7	50,200 *
145	59.8	239.8	47,100 *
150	58.5	236.7	43,800 *
155	57.3	233.5	40,800 *
160	56.0	230.1	38,000 *
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

# M250 SERIES 3

**Boom No. 44 With Heavy Lift Top**  
**248,700 Lb. Crane Counterweight**  
**120,000 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
<b>280 Ft. BOOM</b>			
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	74,500 *
110	68.9	268.2	70,000 *
115	67.8	266.1	65,900 *
120	66.7	264.0	62,100 *
125	65.6	261.7	58,600 *
130	64.4	259.3	55,400 *
135	63.3	256.8	51,800 *
140	62.1	254.1	48,100 *
145	61.0	251.4	44,700 *
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
<b>290 Ft. BOOM</b>			
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	64,800 *
120	67.5	274.9	61,000 *
125	66.5	272.7	57,500 *
130	65.4	270.4	54,300 *
135	64.3	268.0	51,300 *
140	63.2	265.5	47,900 *
145	62.0	262.8	44,500 *
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
<b>300 Ft. BOOM</b>			
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	56,000 *
130	66.2	281.4	52,800 *
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 *