

Liftcrane Boom Capacities

M-250 SERIES 3

Boom No. 44 With Long Reach 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.

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. 172842** or **No. 192054**, Wire Rope Specification chart **No. 7581-B**, 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
330 Ft.	---
320 Ft.	---
310 Ft.	---
300 Ft.	---
290 Ft.	---
280 Ft.	60 Ft.
270 Ft.	120 Ft.
Load block, hook and weight ball on ground at start. Upper boom point cannot be used on 330 Ft. boom.	

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
190 Ft. BOOM			
32	82.7	196.3	210,000 *
34	82.1	196.0	210,000 *
36	81.5	195.7	210,000 *
38	80.8	195.4	210,000 *
40	80.2	195.0	210,000 *
42	79.6	194.7	210,000 *
44	79.0	194.3	210,000 *
46	78.4	193.9	210,000 *
48	77.8	193.4	210,000 *
50	77.2	193.0	210,000 *
55	75.6	191.7	195,700 *
60	74.0	190.3	177,400 *
65	72.5	188.8	162,200 *
70	70.9	187.1	149,300 *
75	69.3	185.2	138,200 *
80	67.6	183.2	128,500 *
85	66.0	181.0	120,000 *
90	64.3	178.7	112,400 *
95	62.6	176.1	104,200 *
100	60.9	173.4	96,500 *
105	59.2	170.5	89,600 *
110	57.4	167.3	83,300 *
115	55.6	164.0	77,700 *
120	53.7	160.4	72,600 *
125	51.8	156.5	67,900 *
130	49.8	152.4	63,600 *
135	47.8	148.0	59,700 *
140	45.8	143.2	56,000 *
145	43.6	138.1	52,600 *
150	41.3	132.5	49,500 *
155	39.0	126.5	46,500 *
160	36.5	120.0	43,700 *
165	33.9	112.8	41,100 *
170	31.0	104.8	38,600 *
175	27.9	95.8	36,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
32	83.0	206.4	210,000 *
34	82.5	206.1	210,000 *
36	81.9	205.8	210,000 *
38	81.3	205.5	210,000 *
40	80.7	205.2	210,000 *
42	80.1	204.8	210,000 *
44	79.6	204.5	210,000 *
46	79.0	204.1	210,000 *
48	78.4	203.7	210,000 *
50	77.8	203.2	210,000 *
55	76.3	202.0	192,500 *
60	74.9	200.7	174,300 *
65	73.4	199.3	159,300 *
70	71.9	197.7	146,600 *
75	70.3	195.9	135,600 *
80	68.8	194.0	126,100 *
85	67.3	192.0	117,700 *
90	65.7	189.7	110,300 *
95	64.1	187.4	103,600 *
100	62.5	184.8	96,600 *
105	60.9	182.1	89,700 *
110	59.2	179.1	83,400 *
115	57.5	176.0	77,800 *
120	55.8	172.7	72,600 *
125	54.0	169.1	67,900 *
130	52.2	165.3	63,600 *
135	50.4	161.3	59,700 *
140	48.5	156.9	56,000 *
145	46.5	152.3	52,600 *
150	44.5	147.3	49,400 *
155	42.4	142.0	46,500 *
160	40.2	136.2	43,700 *
165	38.0	130.0	41,100 *
170	35.5	123.2	38,600 *
175	33.0	115.8	36,300 *
180	30.2	107.5	34,000 *
185	27.2	98.2	31,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. BOOM			
34	82.8	216.2	210,000 *
36	82.3	215.9	210,000 *
38	81.7	215.6	210,000 *
40	81.2	215.3	210,000 *
42	80.6	215.0	210,000 *
44	80.1	214.6	210,000 *
46	79.5	214.3	210,000 *
48	79.0	213.9	210,000 *
50	78.4	213.5	205,700 *
55	77.0	212.3	189,700 *
60	75.6	211.1	171,900 *
65	74.2	209.7	157,000 *
70	72.8	208.2	144,500 *
75	71.3	206.5	133,600 *
80	69.9	204.7	124,200 *
85	68.4	202.8	116,000 *
90	66.9	200.7	108,700 *
95	65.4	198.4	102,100 *
100	63.9	196.0	96,200 *
105	62.4	193.5	90,300 *
110	60.8	190.7	84,000 *
115	59.2	187.8	78,300 *
120	57.6	184.7	73,100 *
125	56.0	181.4	68,400 *
130	54.3	177.9	64,100 *
135	52.6	174.1	60,100 *
140	50.9	170.1	56,500 *
145	49.1	165.9	53,000 *
150	47.2	161.3	49,900 *
155	45.4	156.5	46,900 *
160	43.4	151.3	44,200 *
165	41.3	145.8	41,600 *
170	39.2	139.8	39,100 *
175	37.0	133.3	36,800 *
180	34.6	126.3	34,600 *
185	32.1	118.6	32,500 *
190	29.4	110.1	30,500 *
195	26.5	100.6	28,400 *



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**Meets
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Requirements**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. BOOM			
36	82.6	226.0	210,000 *
38	82.1	225.7	210,000 *
40	81.6	225.4	210,000 *
42	81.1	225.1	210,000 *
44	80.5	224.8	208,900 *
46	80.0	224.4	207,000 *
48	79.5	224.1	204,200 *
50	78.9	223.7	199,200 *
55	77.6	222.6	186,700 *
60	76.3	221.4	169,000 *
65	74.9	220.1	154,300 *
70	73.6	218.6	141,900 *
75	72.2	217.1	131,200 *
80	70.8	215.4	122,000 *
85	69.4	213.5	113,800 *
90	68.0	211.5	106,500 *
95	66.6	209.4	100,100 *
100	65.2	207.2	94,300 *
105	63.7	204.7	89,000 *
110	62.3	202.1	83,900 *
115	60.8	199.4	78,200 *
120	59.3	196.5	73,000 *
125	57.7	193.4	68,300 *
130	56.2	190.1	64,000 *
135	54.6	186.6	60,000 *
140	53.0	182.9	56,300 *
145	51.3	178.9	52,900 *
150	49.6	174.8	49,700 *
155	47.9	170.3	46,700 *
160	46.1	165.6	44,000 *
165	44.2	160.6	41,400 *
170	42.3	155.2	38,900 *
175	40.3	149.5	36,600 *
180	38.3	143.3	34,500 *
185	36.1	136.6	32,400 *
190	33.8	129.4	30,400 *
195	31.4	121.4	28,500 *
200	28.8	112.7	26,700 *
205	25.9	102.9	24,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. BOOM			
36	83.0	236.1	196,300 *
38	82.5	235.8	194,300 *
40	81.9	235.6	192,400 *
42	81.4	235.3	190,500 *
44	80.9	234.9	188,800 *
46	80.4	234.6	187,000 *
48	79.9	234.2	185,400 *
50	79.4	233.9	183,800 *
55	78.1	232.8	179,500 *
60	76.9	231.7	166,300 *
65	75.6	230.4	151,700 *
70	74.3	229.1	139,400 *
75	73.0	227.6	128,900 *
80	71.7	225.9	119,800 *
85	70.4	224.2	111,700 *
90	69.0	222.3	104,600 *
95	67.7	220.3	98,200 *
100	66.3	218.1	92,500 *
105	65.0	215.8	87,200 *
110	63.6	213.4	82,500 *
115	62.2	210.8	78,100 *
120	60.8	208.1	73,000 *
125	59.3	205.1	68,200 *
130	57.8	202.0	63,900 *
135	56.4	198.8	59,900 *
140	54.8	195.3	56,200 *
145	53.3	191.6	52,800 *
150	51.7	187.8	49,600 *
155	50.1	183.6	46,600 *
160	48.5	179.3	43,800 *
165	46.8	174.7	41,300 *
170	45.0	169.8	38,800 *
175	43.2	164.6	36,500 *
180	41.4	159.0	34,400 *
185	39.4	153.1	32,300 *
190	37.4	146.7	30,300 *
195	35.3	139.8	28,500 *
200	33.0	132.3	26,700 *
205	30.7	124.2	25,000 *
210	28.1	115.2	23,300 *
215	25.3	105.1	21,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. BOOM			
38	82.8	245.9	188,100 *
40	82.3	245.7	186,300 *
42	81.8	245.4	184,600 *
44	81.3	245.1	183,000 *
46	80.8	244.7	181,400 *
48	80.4	244.4	179,900 *
50	79.9	244.0	178,000 *
55	78.6	243.1	170,700 *
60	77.4	242.0	163,600 *
65	76.2	240.8	149,200 *
70	75.0	239.5	137,000 *
75	73.7	238.0	126,600 *
80	72.5	236.5	117,500 *
85	71.2	234.8	109,600 *
90	69.9	233.0	102,500 *
95	68.7	231.1	96,300 *
100	67.4	229.0	90,600 *
105	66.1	226.9	85,500 *
110	64.8	224.5	80,800 *
115	63.4	222.1	76,500 *
120	62.1	219.5	72,500 *
125	60.7	216.7	68,000 *
130	59.3	213.8	63,600 *
135	57.9	210.7	59,600 *
140	56.5	207.5	55,900 *
145	55.1	204.0	52,500 *
150	53.6	200.4	49,300 *
155	52.1	196.5	46,300 *
160	50.5	192.5	43,500 *
165	49.0	188.2	40,900 *
170	47.4	183.7	38,500 *
175	45.7	178.9	36,200 *
180	44.0	173.8	34,000 *
185	42.3	168.4	32,000 *
190	40.4	162.7	30,000 *
195	38.6	156.6	28,200 *
200	36.6	150.0	26,400 *
205	34.5	142.9	24,700 *
210	32.3	135.2	23,100 *
215	30.0	126.9	21,600 *
220	27.5	117.6	20,100 *



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120,000 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
250 Ft. BOOM			
40	82.6	255.8	178,800 *
42	82.1	255.5	177,200 *
44	81.7	255.2	175,700 *
46	81.2	254.9	174,300 *
48	80.7	254.5	172,900 *
50	80.3	254.2	170,100 *
55	79.1	253.3	163,200 *
60	77.9	252.2	156,400 *
65	76.8	251.1	147,900 *
70	75.6	249.8	135,700 *
75	74.4	248.4	125,300 *
80	73.2	247.0	116,200 *
85	72.0	245.4	108,300 *
90	70.8	243.7	101,300 *
95	69.6	241.8	95,000 *
100	68.3	239.9	89,400 *
105	67.1	237.8	84,300 *
110	65.8	235.6	79,700 *
115	64.6	233.2	75,400 *
120	63.3	230.8	71,500 *
125	62.0	228.1	67,900 *
130	60.7	225.4	64,000 *
135	59.4	222.5	59,900 *
140	58.0	219.4	56,200 *
145	56.7	216.1	52,700 *
150	55.3	212.7	49,500 *
155	53.9	209.1	46,500 *
160	52.4	205.3	43,700 *
165	51.0	201.3	41,100 *
170	49.5	197.1	38,600 *
175	47.9	192.7	36,300 *
180	46.3	188.0	34,200 *
185	44.7	183.0	32,100 *
190	43.1	177.8	30,200 *
195	41.4	172.2	28,300 *
200	39.6	166.3	26,600 *
205	37.7	160.0	24,900 *
210	35.8	153.2	23,300 *
215	33.8	146.0	21,800 *
220	31.6	138.1	20,300 *
225	29.4	129.5	18,900 *
230	26.9	120.0	17,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. BOOM			
40	82.9	265.8	172,600 *
42	82.4	265.6	171,100 *
44	82.0	265.3	169,800 *
46	81.5	265.0	167,100 *
48	81.1	264.7	164,300 *
50	80.7	264.3	161,600 *
55	79.5	263.4	154,900 *
60	78.4	262.4	148,500 *
65	77.3	261.3	142,100 *
70	76.1	260.1	133,400 *
75	75.0	258.8	123,100 *
80	73.9	257.4	114,100 *
85	72.7	255.9	106,300 *
90	71.6	254.2	99,300 *
95	70.4	252.5	93,100 *
100	69.2	250.6	87,600 *
105	68.0	248.6	82,500 *
110	66.8	246.5	77,900 *
115	65.6	244.3	73,700 *
120	64.4	241.9	69,900 *
125	63.2	239.4	66,300 *
130	61.9	236.8	63,000 *
135	60.7	234.0	59,600 *
140	59.4	231.1	55,800 *
145	58.1	228.0	52,400 *
150	56.8	224.8	49,100 *
155	55.5	221.4	46,100 *
160	54.1	217.9	43,300 *
165	52.7	214.1	40,700 *
170	51.3	210.2	38,200 *
175	49.9	206.0	35,900 *
180	48.4	201.7	33,800 *
185	46.9	197.1	31,700 *
190	45.4	192.2	29,800 *
195	43.8	187.1	27,900 *
200	42.2	181.7	26,200 *
205	40.5	175.9	24,500 *
210	38.8	169.8	22,900 *
215	37.0	163.3	21,400 *
220	35.1	156.4	20,000 *
225	33.1	148.9	18,600 *
230	31.0	140.9	17,200 *
235	28.8	132.1	15,900 *
240	26.4	122.4	14,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. BOOM			
42	82.7	275.7	154,500 *
44	82.3	275.4	153,700 *
46	81.9	275.1	152,900 *
48	81.4	274.8	151,700 *
50	81.0	274.5	150,600 *
55	79.9	273.6	144,900 *
60	78.8	272.7	139,000 *
65	77.8	271.6	133,200 *
70	76.7	270.4	127,600 *
75	75.6	269.2	121,100 *
80	74.5	267.8	112,100 *
85	73.4	266.3	104,300 *
90	72.3	264.8	97,400 *
95	71.1	263.1	91,300 *
100	70.0	261.3	85,800 *
105	68.9	259.4	80,800 *
110	67.7	257.4	76,300 *
115	66.6	255.2	72,200 *
120	65.4	253.0	68,400 *
125	64.2	250.6	64,800 *
130	63.1	248.1	61,600 *
135	61.9	245.5	58,500 *
140	60.6	242.7	55,500 *
145	59.4	239.8	52,100 *
150	58.2	236.7	48,800 *
155	56.9	233.5	45,800 *
160	55.6	230.1	43,000 *
165	54.3	226.6	40,400 *
170	53.0	222.9	37,900 *
175	51.7	219.0	35,600 *
180	50.3	214.9	33,400 *
185	48.9	210.6	31,400 *
190	47.5	206.1	29,400 *
195	46.0	201.3	27,600 *
200	44.5	196.3	25,800 *
205	43.0	191.0	24,200 *
210	41.4	185.5	22,600 *
215	39.7	179.6	21,100 *
220	38.0	173.3	19,700 *
225	36.3	166.6	18,300 *
230	34.4	159.5	16,900 *
235	32.5	151.8	15,700 *
240	30.4	143.6	14,400 *
245	28.2	134.6	13,200 *
250	25.9	124.7	12,000 *



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Requirements**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
280 Ft. BOOM			
42	83.0	285.7	143,000 *
44	82.6	285.5	142,300 *
46	82.2	285.2	141,600 *
48	81.7	284.9	140,900 *
50	81.3	284.6	140,200 *
55	80.3	283.8	137,300 *
60	79.2	282.8	131,700 *
65	78.2	281.8	126,200 *
70	77.2	280.7	120,700 *
75	76.1	279.5	115,400 *
80	75.0	278.2	110,200 *
85	74.0	276.8	103,000 *
90	72.9	275.3	96,100 *
95	71.8	273.7	89,900 *
100	70.8	271.9	84,400 *
105	69.7	270.1	79,400 *
110	68.6	268.2	74,900 *
115	67.5	266.1	70,800 *
120	66.4	264.0	67,000 *
125	65.2	261.7	63,500 *
130	64.1	259.3	60,200 *
135	62.9	256.8	57,200 *
140	61.8	254.1	54,400 *
145	60.6	251.4	51,700 *
150	59.4	248.4	48,500 *
155	58.2	245.4	45,500 *
160	57.0	242.2	42,700 *
165	55.8	238.8	40,000 *
170	54.5	235.3	37,500 *
175	53.3	231.6	35,200 *
180	52.0	227.8	33,000 *
185	50.7	223.7	31,000 *
190	49.3	219.5	29,000 *
195	47.9	215.1	27,200 *
200	46.5	210.4	25,400 *
205	45.1	205.5	23,700 *
210	43.6	200.3	22,200 *
215	42.1	194.9	20,600 *
220	40.6	189.2	19,200 *
225	39.0	183.1	17,800 *
230	37.3	176.7	16,500 *
235	35.6	169.8	15,200 *
240	33.8	162.5	14,000 *
245	31.9	154.7	12,800 *
250	29.8	146.2	11,400 *
255	27.7	137.0	9,800 *
260	25.4	126.9	8,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
290 Ft. BOOM			
44	82.8	295.6	132,600 *
46	82.4	295.3	131,900 *
48	82.0	295.0	131,300 *
50	81.6	294.7	130,600 *
55	80.6	293.9	128,900 *
60	79.6	293.0	125,000 *
65	78.6	292.0	119,700 *
70	77.6	291.0	114,500 *
75	76.6	289.8	109,400 *
80	75.6	288.5	104,500 *
85	74.6	287.2	99,700 *
90	73.5	285.7	94,500 *
95	72.5	284.2	88,500 *
100	71.4	282.5	83,000 *
105	70.4	280.8	78,000 *
110	69.3	278.9	73,600 *
115	68.3	276.9	69,500 *
120	67.2	274.9	65,700 *
125	66.1	272.7	62,300 *
130	65.1	270.4	59,100 *
135	64.0	268.0	56,100 *
140	62.8	265.5	53,300 *
145	61.7	262.8	50,700 *
150	60.6	260.0	48,200 *
155	59.5	257.1	45,400 *
160	58.3	254.1	42,600 *
165	57.1	250.9	39,900 *
170	55.9	247.5	37,400 *
175	54.7	244.0	35,100 *
180	53.5	240.4	32,900 *
185	52.3	236.6	30,800 *
190	51.0	232.6	28,900 *
195	49.7	228.4	27,000 *
200	48.4	224.0	25,300 *
205	47.1	219.4	23,600 *
210	45.7	214.6	22,000 *
215	44.3	209.6	20,500 *
220	42.8	204.3	19,100 *
225	41.4	198.7	17,700 *
230	39.8	192.8	16,400 *
235	38.3	186.6	15,100 *
240	36.6	180.0	13,700 *
245	34.9	173.0	12,200 *
250	33.2	165.5	10,700 *
255	31.3	157.5	9,200 *
260	29.3	148.9	7,800 *
265	27.2	139.5	6,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
300 Ft. BOOM			
46	82.7	305.4	119,900 *
48	82.3	305.1	119,200 *
50	81.9	304.8	118,500 *
55	80.9	304.1	115,700 *
60	80.0	303.2	111,300 *
65	79.0	302.2	107,400 *
70	78.0	301.2	103,800 *
75	77.0	300.1	100,400 *
80	76.1	298.9	97,400 *
85	75.1	297.6	94,500 *
90	74.1	296.2	91,100 *
95	73.1	294.7	85,100 *
100	72.1	293.1	79,700 *
105	71.1	291.4	74,900 *
110	70.1	289.6	70,500 *
115	69.0	287.7	66,500 *
120	68.0	285.7	62,800 *
125	67.0	283.6	59,400 *
130	65.9	281.4	56,300 *
135	64.9	279.1	53,400 *
140	63.8	276.7	50,700 *
145	62.8	274.1	48,200 *
150	61.7	271.5	45,300 *
155	60.6	268.7	42,300 *
160	59.5	265.8	39,500 *
165	58.4	262.7	36,900 *
170	57.2	259.5	34,500 *
175	56.1	256.2	32,200 *
180	54.9	252.7	30,000 *
185	53.7	249.1	28,000 *
190	52.5	245.3	26,100 *
195	51.3	241.4	24,300 *
200	50.1	237.3	22,600 *
205	48.8	232.9	21,000 *
210	47.5	228.4	19,400 *
215	46.2	223.7	18,000 *
220	44.9	218.8	16,600 *
225	43.5	213.6	15,300 *
230	42.1	208.1	14,000 *
235	40.6	202.4	12,800 *
240	39.1	196.4	11,600 *
245	37.6	190.0	10,500 *
250	36.0	183.2	9,400 *
255	34.3	176.1	8,300 *
260	32.6	168.4	7,300 *
265	30.7	160.3	6,300 *
270	28.8	151.4	5,400 *
275	26.7	141.8	4,400 *



Liftcrane Boom Capacities

M-250 SERIES 3

Boom No. 44 With Long Reach 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
310 Ft. BOOM			
46	82.9	315.5	108,000 *
48	82.5	315.2	107,500 *
50	82.2	314.9	105,900 *
55	81.2	314.2	101,600 *
60	80.3	313.4	97,800 *
65	79.4	312.4	94,300 *
70	78.4	311.4	91,200 *
75	77.5	310.3	88,300 *
80	76.5	309.2	85,600 *
85	75.6	307.9	83,100 *
90	74.6	306.5	80,800 *
95	73.7	305.1	78,600 *
100	72.7	303.6	76,500 *
105	71.7	301.9	73,200 *
110	70.7	300.2	68,800 *
115	69.8	298.4	64,900 *
120	68.8	296.5	61,200 *
125	67.8	294.5	57,900 *
130	66.8	292.3	54,800 *
135	65.8	290.1	51,900 *
140	64.7	287.8	49,200 *
145	63.7	285.3	46,700 *
150	62.7	282.8	44,400 *
155	61.6	280.1	41,600 *
160	60.6	277.3	38,800 *
165	59.5	274.4	36,200 *
170	58.4	271.4	33,700 *
175	57.3	268.2	31,500 *
180	56.2	264.9	29,300 *
185	55.1	261.5	27,300 *
190	53.9	257.9	25,400 *
195	52.8	254.1	23,600 *
200	51.6	250.2	21,900 *
205	50.4	246.1	20,300 *
210	49.2	241.9	18,700 *
215	48.0	237.4	17,300 *
220	46.7	232.8	15,900 *
225	45.4	227.9	14,500 *
230	44.1	222.8	13,300 *
235	42.8	217.5	12,000 *
240	41.4	211.9	10,900 *
245	39.9	206.0	9,800 *
250	38.5	199.9	8,700 *
255	37.0	193.3	7,600 *
260	35.4	186.4	6,600 *
265	33.7	179.1	5,700 *
270	32.0	171.3	4,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
320 Ft. BOOM			
48	82.8	325.3	99,700 *
50	82.4	325.0	98,100 *
55	81.5	324.3	94,500 *
60	80.6	323.5	90,500 *
65	79.7	322.6	86,900 *
70	78.8	321.6	83,600 *
75	77.9	320.6	80,700 *
80	77.0	319.5	77,900 *
85	76.0	318.2	75,300 *
90	75.1	316.9	72,900 *
95	74.2	315.5	70,700 *
100	73.2	314.0	68,600 *
105	72.3	312.5	66,600 *
110	71.4	310.8	64,700 *
115	70.4	309.1	63,000 *
120	69.5	307.2	59,900 *
125	68.5	305.3	56,600 *
130	67.5	303.2	53,500 *
135	66.6	301.1	50,700 *
140	65.6	298.8	48,000 *
145	64.6	296.5	45,600 *
150	63.6	294.0	43,200 *
155	62.6	291.5	40,500 *
160	61.6	288.8	37,800 *
165	60.5	286.0	35,200 *
170	59.5	283.1	32,700 *
175	58.5	280.1	30,400 *
180	57.4	276.9	28,300 *
185	56.3	273.6	26,300 *
190	55.2	270.2	24,400 *
195	54.1	266.6	22,600 *
200	53.0	262.9	20,900 *
205	51.9	259.0	19,300 *
210	50.7	255.0	17,800 *
215	49.6	250.8	16,300 *
220	48.4	246.4	14,900 *
225	47.2	241.8	13,600 *
230	45.9	237.0	12,300 *
235	44.7	232.0	11,100 *
240	43.4	226.8	10,000 *
245	42.0	221.4	8,900 *
250	40.7	215.6	7,800 *
255	39.3	209.6	6,800 *
260	37.8	203.3	5,800 *
265	36.3	196.6	4,900 *
270	34.8	189.6	4,000 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
330 Ft. BOOM			
48	83.0	335.4	92,000 *
50	82.6	335.1	90,200 *
55	81.8	334.4	86,100 *
60	80.9	333.6	82,400 *
65	80.0	332.8	79,100 *
70	79.1	331.8	76,100 *
75	78.2	330.8	73,300 *
80	77.4	329.7	70,800 *
85	76.5	328.5	68,400 *
90	75.6	327.3	66,200 *
95	74.7	325.9	64,200 *
100	73.8	324.5	62,200 *
105	72.9	323.0	60,400 *
110	71.9	321.4	58,600 *
115	71.0	319.7	57,000 *
120	70.1	317.9	55,500 *
125	69.2	316.0	54,000 *
130	68.2	314.0	52,100 *
135	67.3	312.0	50,100 *
140	66.4	309.8	48,100 *
145	65.4	307.5	45,900 *
150	64.4	305.2	43,500 *
155	63.5	302.7	41,200 *
160	62.5	300.1	38,400 *
165	61.5	297.5	35,800 *
170	60.5	294.7	33,400 *
175	59.5	291.7	31,100 *
180	58.5	288.7	28,900 *
185	57.5	285.6	26,900 *
190	56.4	282.3	25,000 *
195	55.4	278.9	23,200 *
200	54.3	275.3	21,500 *
205	53.2	271.6	19,900 *
210	52.2	267.8	18,400 *
215	51.0	263.8	16,900 *
220	49.9	259.6	15,500 *
225	48.8	255.3	14,200 *
230	47.6	250.8	13,000 *
235	46.4	246.1	11,800 *
240	45.2	241.2	10,600 *
245	43.9	236.1	9,500 *
250	42.7	230.7	8,400 *
255	41.4	225.1	7,400 *
260	40.0	219.3	6,500 *
265	38.7	213.1	5,500 *
270	37.2	206.7	4,600 *