

Liftcrane Boom Capacities

M-250 SERIES 2

Boom No. 44 With Long Reach 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.

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, 207,000 Lb. crane counterweight and two 30,000 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	192,700 *
60	74.0	190.3	172,600
65	72.5	188.8	154,200
70	70.9	187.1	139,100
75	69.3	185.2	126,400
80	67.6	183.2	115,700
85	66.0	181.0	106,400
90	64.3	178.7	98,400
95	62.6	176.1	91,400
100	60.9	173.4	85,100
105	59.2	170.5	79,600
110	57.4	167.3	74,600
115	55.6	164.0	70,100
120	53.7	160.4	66,100
125	51.8	156.5	62,400
130	49.8	152.4	59,000
135	47.8	148.0	55,900
140	45.8	143.2	53,100
145	43.6	138.1	50,400
150	41.3	132.5	48,000
155	39.0	126.5	45,700
160	36.5	120.0	43,200 *
165	33.9	112.8	40,700 *
170	31.0	104.8	38,200 *
175	27.9	95.8	35,900 *

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	189,200 *
60	74.9	200.7	171,400 *
65	73.4	199.3	153,600
70	71.9	197.7	138,500
75	70.3	195.9	125,800
80	68.8	194.0	115,100
85	67.3	192.0	105,800
90	65.7	189.7	97,800
95	64.1	187.4	90,700
100	62.5	184.8	84,500
105	60.9	182.1	78,900
110	59.2	179.1	74,000
115	57.5	176.0	69,500
120	55.8	172.7	65,400
125	54.0	169.1	61,700
130	52.2	165.3	58,300
135	50.4	161.3	55,200
140	48.5	156.9	52,400
145	46.5	152.3	49,700
150	44.5	147.3	47,300
155	42.4	142.0	45,000
160	40.2	136.2	42,900
165	38.0	130.0	40,600 *
170	35.5	123.2	38,200 *
175	33.0	115.8	35,900 *
180	30.2	107.5	33,700 *
185	27.2	98.2	31,600 *

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	186,500 *
60	75.6	211.1	169,000 *
65	74.2	209.7	153,400
70	72.8	208.2	138,300
75	71.3	206.5	125,600
80	69.9	204.7	114,800
85	68.4	202.8	105,600
90	66.9	200.7	97,500
95	65.4	198.4	90,500
100	63.9	196.0	84,300
105	62.4	193.5	78,700
110	60.8	190.7	73,700
115	59.2	187.8	69,200
120	57.6	184.7	65,200
125	56.0	181.4	61,500
130	54.3	177.9	58,100
135	52.6	174.1	55,000
140	50.9	170.1	52,200
145	49.1	165.9	49,500
150	47.2	161.3	47,100
155	45.4	156.5	44,800
160	43.4	151.3	42,700
165	41.3	145.8	40,700
170	39.2	139.8	38,700 *
175	37.0	133.3	36,400 *
180	34.6	126.3	34,300 *
185	32.1	118.6	32,200 *
190	29.4	110.1	30,300 *
195	26.5	100.6	28,300 *



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207,000 Lb. Crane Counterweight
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
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	183,400 *
60	76.3	221.4	166,000 *
65	74.9	220.1	151,500 *
70	73.6	218.6	137,700
75	72.2	217.1	125,000
80	70.8	215.4	114,200
85	69.4	213.5	105,000
90	68.0	211.5	96,900
95	66.6	209.4	89,900
100	65.2	207.2	83,600
105	63.7	204.7	78,100
110	62.3	202.1	73,100
115	60.8	199.4	68,600
120	59.3	196.5	64,500
125	57.7	193.4	60,800
130	56.2	190.1	57,500
135	54.6	186.6	54,300
140	53.0	182.9	51,500
145	51.3	178.9	48,800
150	49.6	174.8	46,400
155	47.9	170.3	44,100
160	46.1	165.6	42,000
165	44.2	160.6	40,000
170	42.3	155.2	38,200
175	40.3	149.5	36,100 *
180	38.3	143.3	34,000 *
185	36.1	136.6	32,000 *
190	33.8	129.4	30,100 *
195	31.4	121.4	28,200 *
200	28.8	112.7	26,500 *
205	25.9	102.9	24,600 *

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	163,300 *
65	75.6	230.4	149,000 *
70	74.3	229.1	136,900 *
75	73.0	227.6	124,500
80	71.7	225.9	113,700
85	70.4	224.2	104,400
90	69.0	222.3	96,400
95	67.7	220.3	89,300
100	66.3	218.1	83,100
105	65.0	215.8	77,500
110	63.6	213.4	72,500
115	62.2	210.8	68,000
120	60.8	208.1	64,000
125	59.3	205.1	60,300
130	57.8	202.0	56,900
135	56.4	198.8	53,800
140	54.8	195.3	50,900
145	53.3	191.6	48,300
150	51.7	187.8	45,800
155	50.1	183.6	43,500
160	48.5	179.3	41,400
165	46.8	174.7	39,400
170	45.0	169.8	37,600
175	43.2	164.6	35,900
180	41.4	159.0	33,800 *
185	39.4	153.1	31,800 *
190	37.4	146.7	29,900 *
195	35.3	139.8	28,100 *
200	33.0	132.3	26,400 *
205	30.7	124.2	24,700 *
210	28.1	115.2	23,100 *
215	25.3	105.1	21,300 *

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	160,500 *
65	76.2	240.8	146,300 *
70	75.0	239.5	134,400 *
75	73.7	238.0	123,800
80	72.5	236.5	113,100
85	71.2	234.8	103,800
90	69.9	233.0	95,700
95	68.7	231.1	88,700
100	67.4	229.0	82,400
105	66.1	226.9	76,800
110	64.8	224.5	71,900
115	63.4	222.1	67,400
120	62.1	219.5	63,300
125	60.7	216.7	59,600
130	59.3	213.8	56,200
135	57.9	210.7	53,100
140	56.5	207.5	50,200
145	55.1	204.0	47,600
150	53.6	200.4	45,100
155	52.1	196.5	42,900
160	50.5	192.5	40,700
165	49.0	188.2	38,800
170	47.4	183.7	36,900
175	45.7	178.9	35,200
180	44.0	173.8	33,400 *
185	42.3	168.4	31,400 *
190	40.4	162.7	29,500 *
195	38.6	156.6	27,700 *
200	36.6	150.0	26,000 *
205	34.5	142.9	24,400 *
210	32.3	135.2	22,800 *
215	30.0	126.9	21,300 *
220	27.5	117.6	19,800 *



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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	145,100 *
70	75.6	249.8	133,100 *
75	74.4	248.4	122,900 *
80	73.2	247.0	112,700
85	72.0	245.4	103,500
90	70.8	243.7	95,400
95	69.6	241.8	88,300
100	68.3	239.9	82,100
105	67.1	237.8	76,500
110	65.8	235.6	71,500
115	64.6	233.2	67,100
120	63.3	230.8	63,000
125	62.0	228.1	59,300
130	60.7	225.4	55,900
135	59.4	222.5	52,800
140	58.0	219.4	49,900
145	56.7	216.1	47,300
150	55.3	212.7	44,800
155	53.9	209.1	42,500
160	52.4	205.3	40,400
165	51.0	201.3	38,400
170	49.5	197.1	36,600
175	47.9	192.7	34,800
180	46.3	188.0	33,200
185	44.7	183.0	31,600 *
190	43.1	177.8	29,700 *
195	41.4	172.2	27,900 *
200	39.6	166.3	26,200 *
205	37.7	160.0	24,600 *
210	35.8	153.2	23,000 *
215	33.8	146.0	21,500 *
220	31.6	138.1	20,100 *
225	29.4	129.5	18,700 *
230	26.9	120.0	17,400 *

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	130,700 *
75	75.0	258.8	120,600 *
80	73.9	257.4	111,800 *
85	72.7	255.9	102,900
90	71.6	254.2	94,800
95	70.4	252.5	87,700
100	69.2	250.6	81,500
105	68.0	248.6	75,900
110	66.8	246.5	70,900
115	65.6	244.3	66,400
120	64.4	241.9	62,300
125	63.2	239.4	58,600
130	61.9	236.8	55,200
135	60.7	234.0	52,100
140	59.4	231.1	49,300
145	58.1	228.0	46,600
150	56.8	224.8	44,200
155	55.5	221.4	41,900
160	54.1	217.9	39,700
165	52.7	214.1	37,800
170	51.3	210.2	35,900
175	49.9	206.0	34,200
180	48.4	201.7	32,500
185	46.9	197.1	31,000
190	45.4	192.2	29,200 *
195	43.8	187.1	27,400 *
200	42.2	181.7	25,700 *
205	40.5	175.9	24,100 *
210	38.8	169.8	22,500 *
215	37.0	163.3	21,100 *
220	35.1	156.4	19,600 *
225	33.1	148.9	18,300 *
230	31.0	140.9	17,000 *
235	28.8	132.1	15,700 *
240	26.4	122.4	14,500 *

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	118,500 *
80	74.5	267.8	109,800 *
85	73.4	266.3	102,100 *
90	72.3	264.8	94,200
95	71.1	263.1	87,100
100	70.0	261.3	80,900
105	68.9	259.4	75,300
110	67.7	257.4	70,300
115	66.6	255.2	65,800
120	65.4	253.0	61,700
125	64.2	250.6	58,000
130	63.1	248.1	54,600
135	61.9	245.5	51,500
140	60.6	242.7	48,700
145	59.4	239.8	46,000
150	58.2	236.7	43,600
155	56.9	233.5	41,300
160	55.6	230.1	39,200
165	54.3	226.6	37,200
170	53.0	222.9	35,300
175	51.7	219.0	33,600
180	50.3	214.9	31,900
185	48.9	210.6	30,400
190	47.5	206.1	28,800 *
195	46.0	201.3	27,000 *
200	44.5	196.3	25,300 *
205	43.0	191.0	23,700 *
210	41.4	185.5	22,200 *
215	39.7	179.6	20,700 *
220	38.0	173.3	19,300 *
225	36.3	166.6	17,900 *
230	34.4	159.5	16,600 *
235	32.5	151.8	15,400 *
240	30.4	143.6	14,200 *
245	28.2	134.6	13,000 *
250	25.9	124.7	11,900 *



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**Meets
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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	108,300 *
85	74.0	276.8	100,600 *
90	72.9	275.3	93,600
95	71.8	273.7	86,500
100	70.8	271.9	80,200
105	69.7	270.1	74,700
110	68.6	268.2	69,700
115	67.5	266.1	65,200
120	66.4	264.0	61,100
125	65.2	261.7	57,400
130	64.1	259.3	54,000
135	62.9	256.8	50,900
140	61.8	254.1	48,000
145	60.6	251.4	45,300
150	59.4	248.4	42,900
155	58.2	245.4	40,600
160	57.0	242.2	38,500
165	55.8	238.8	36,500
170	54.5	235.3	34,600
175	53.3	231.6	32,900
180	52.0	227.8	31,200
185	50.7	223.7	29,700
190	49.3	219.5	28,200
195	47.9	215.1	26,500 *
200	46.5	210.4	24,800 *
205	45.1	205.5	23,200 *
210	43.6	200.3	21,600 *
215	42.1	194.9	20,200 *
220	40.6	189.2	18,700 *
225	39.0	183.1	17,400 *
230	37.3	176.7	16,100 *
235	35.6	169.8	14,900 *
240	33.8	162.5	13,700 *
245	31.9	154.7	12,500 *
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	99,100 *
90	73.5	285.7	92,400 *
95	72.5	284.2	86,100
100	71.4	282.5	79,900
105	70.4	280.8	74,300
110	69.3	278.9	69,300
115	68.3	276.9	64,800
120	67.2	274.9	60,700
125	66.1	272.7	57,000
130	65.1	270.4	53,600
135	64.0	268.0	50,500
140	62.8	265.5	47,600
145	61.7	262.8	45,000
150	60.6	260.0	42,500
155	59.5	257.1	40,200
160	58.3	254.1	38,100
165	57.1	250.9	36,100
170	55.9	247.5	34,200
175	54.7	244.0	32,500
180	53.5	240.4	30,900
185	52.3	236.6	29,300
190	51.0	232.6	27,900
195	49.7	228.4	26,400 *
200	48.4	224.0	24,700 *
205	47.1	219.4	23,100 *
210	45.7	214.6	21,500 *
215	44.3	209.6	20,000 *
220	42.8	204.3	18,600 *
225	41.4	198.7	17,300 *
230	39.8	192.8	16,000 *
235	38.3	186.6	14,800 *
240	36.6	180.0	13,600 *
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	79,200
105	71.1	291.4	73,600
110	70.1	289.6	68,600
115	69.0	287.7	64,100
120	68.0	285.7	60,000
125	67.0	283.6	56,300
130	65.9	281.4	52,900
135	64.9	279.1	49,800
140	63.8	276.7	46,900
145	62.8	274.1	44,200
150	61.7	271.5	41,800
155	60.6	268.7	39,500
160	59.5	265.8	37,400
165	58.4	262.7	35,400
170	57.2	259.5	33,500
175	56.1	256.2	31,800
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 2

Boom No. 44 With Long Reach 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
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	73,000 *
110	70.7	300.2	68,000 *
115	69.8	298.4	63,500 *
120	68.8	296.5	59,400 *
125	67.8	294.5	55,700 *
130	66.8	292.3	52,300 *
135	65.8	290.1	49,100 *
140	64.7	287.8	46,300 *
145	63.7	285.3	43,600 *
150	62.7	282.8	41,100 *
155	61.6	280.1	38,900 *
160	60.6	277.3	36,700 *
165	59.5	274.4	34,700 *
170	58.4	271.4	32,900 *
175	57.3	268.2	31,100 *
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	58,900 *
125	68.5	305.3	55,200 *
130	67.5	303.2	51,800 *
135	66.6	301.1	48,700 *
140	65.6	298.8	45,800 *
145	64.6	296.5	43,100 *
150	63.6	294.0	40,700 *
155	62.6	291.5	38,400 *
160	61.6	288.8	36,300 *
165	60.5	286.0	34,300 *
170	59.5	283.1	32,400 *
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	49,000 *
140	66.4	309.8	46,100 *
145	65.4	307.5	43,400 *
150	64.4	305.2	41,000 *
155	63.5	302.7	38,700 *
160	62.5	300.1	36,500 *
165	61.5	297.5	34,500 *
170	60.5	294.7	32,700 *
175	59.5	291.7	30,900 *
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 *