

Liftcrane Boom Capacities

Boom No. 22EL
144,100 Lb. Counterweight
28 Ft. 2 in. Crawlers Extended
Rating Over Front Of Blocked Crawlers
No Travel - Limited Swing

Meets
 ANSI B30.5
 Requirements

888 SERIES 1

LIFTING CAPACITIES: 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 extended and blocked. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 12,500 Lb. minimum weight.

Upper boom point capacity for liftcrane service with single part whip line is 29,500 Lbs. or 59,000 Lbs. with two part whip line. When boom butt mounted auxiliary drum is used, capacity with single part whip line is 20,000 Lbs. or 40,000 Lbs. with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

250 Ft. boom length requires only the middle two sheaves in 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, crawlers fully extended, and front tumbler properly blocked so that centerline of idler tumbler becomes tipping fulcrum. Drive motors must be to rear of machine. Swing is limited to that sector shown on Operating Range Diagram **No. 7770-A**. Refer to boom rigging **No. 177156** or **No. 177353** and Wire Rope Specification chart **No. 7810-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 28 Ft. 2 in. extendible crawlers, 48 in. treads, 10 Ft. 3 in. retractable gantry, 30 Ft. live mast, 20 part boom hoist reeving, four 1-3/8 in. boom pendants and 144,100 Lb. counterweight.

Maximum Boom and Jib Lengths Lifted Unassisted Over Front of Blocked Crawlers	
Boom Length	Jib No. 134
(a) 250 Ft.	—
240 Ft.	—
230 Ft.	—
220 Ft.	60 Ft.
210 Ft.	80 Ft.
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 250 Ft. boom.	

Deduct From Capacities When Jib Is Attached	
Jib Length	Jib No. 134
30 Ft.	2,700 Lbs.
40 Ft.	3,500 Lbs.
50 Ft.	4,300 Lbs.
60 Ft.	5,100 Lbs.
70 Ft.	6,100 Lbs.
80 Ft.	7,100 Lbs.

Consult jib chart for jib capacities. Upper boom point cannot be used when jib is attached.



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. Boom			
16	82.8	77.2	406,400 *b
17	82.0	77.1	384,000 *b
18	81.1	76.9	363,800 *b
19	80.3	76.7	345,500 *b
20	79.5	76.5	328,900 *b
22	77.8	76.0	299,800 *b
24	76.1	75.5	275,300 *b
26	74.4	74.9	254,200 *
28	72.7	74.2	236,000 *
30	70.9	73.5	220,100 *
32	69.2	72.7	206,000 *
34	67.4	71.8	193,500 *
36	65.6	70.9	182,300 *
38	63.7	69.8	171,400
40	61.9	68.7	158,000
42	60.0	67.5	146,400
44	58.0	66.2	136,300
46	56.0	64.8	127,300
48	54.0	63.4	119,400
50	51.9	61.7	112,300
55	46.3	57.1	97,400
60	40.1	51.4	85,600
65	32.9	44.2	76,000
70	23.7	34.1	68,000
80 Ft. Boom			
17	83.0	87.2	383,200 *b
18	82.3	87.0	363,000 *b
19	81.5	86.9	344,700 *b
20	80.8	86.7	328,100 *b
22	79.3	86.3	299,100 *b
24	77.9	85.8	274,500 *b
26	76.4	85.3	253,500 *
28	74.9	84.7	235,300 *
30	73.4	84.1	219,400 *
32	71.9	83.4	205,300 *
34	70.4	82.7	192,800 *
36	68.8	81.9	181,600 *
38	67.3	81.0	171,600 *
40	65.7	80.0	158,300
42	64.1	79.0	146,600
44	62.4	78.0	136,500
46	60.8	76.8	127,500
48	59.1	75.6	119,600
50	57.4	74.3	112,400
55	52.9	70.6	97,500
60	48.2	66.2	85,700
65	43.0	61.0	76,100
70	37.3	54.8	68,200
75	30.6	46.9	61,400
80	22.0	36.0	55,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. Boom			
19	82.5	97.0	344,200 *b
20	81.8	96.8	327,600 *b
22	80.5	96.5	298,600 *b
24	79.2	96.1	274,100 *b
26	77.9	95.6	253,000 *
28	76.6	95.1	234,800 *
30	75.3	94.6	218,900 *
32	74.0	94.0	204,900 *
34	72.6	93.3	192,400 *
36	71.3	92.6	181,200 *
38	69.9	91.8	171,100 *
40	68.6	91.0	158,600
42	67.2	90.1	146,900
44	65.8	89.2	136,700
46	64.3	88.2	127,700
48	62.9	87.2	119,700
50	61.4	86.0	112,600
55	57.7	82.9	97,700
60	53.8	79.3	85,800
65	49.6	75.2	76,200
70	45.2	70.4	68,300
75	40.4	64.7	61,600
80	35.0	57.9	55,800
85	28.7	49.4	50,900
90	20.7	37.7	46,400
100 Ft. Boom			
20	82.7	107.0	327,300 *b
22	81.5	106.6	298,300 *b
24	80.3	106.3	273,800 *b
26	79.2	105.9	252,800 *
28	78.0	105.4	234,600 *
30	76.8	104.9	218,600 *
32	75.6	104.4	204,600 *
34	74.4	103.8	192,100 *
36	73.2	103.2	180,900 *
38	72.0	102.5	170,900 *
40	70.8	101.8	158,800
42	69.6	101.0	147,100
44	68.3	100.2	136,900
46	67.1	99.3	127,900
48	65.8	98.4	119,900
50	64.6	97.4	112,700
55	61.3	94.7	97,800
60	57.9	91.6	86,000
65	54.4	88.1	76,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. Boom			
70	50.8	84.1	68,400
75	46.9	79.5	61,700
80	42.7	74.3	56,000
85	38.2	68.1	51,100
90	33.1	60.8	46,700
95	27.2	51.7	42,900
100	19.5	39.4	39,400
110 Ft. Boom			
22	82.3	116.8	297,700 *
24	81.2	116.4	273,100 *
26	80.2	116.1	252,100 *
28	79.1	115.7	233,900 *
30	78.0	115.2	218,000 *
32	77.0	114.7	204,000 *
34	75.9	114.2	191,500 *
36	74.8	113.6	180,300 *
38	73.7	113.0	170,300 *
40	72.6	112.4	158,900
42	71.5	111.7	147,100
44	70.4	110.9	136,900
46	69.3	110.2	127,900
48	68.2	109.3	119,900
50	67.0	108.5	112,700
55	64.1	106.1	97,700
60	61.2	103.4	85,900
65	58.1	100.3	76,300
70	55.0	96.8	68,300
75	51.7	93.0	61,600
80	48.2	88.6	55,900
85	44.5	83.6	50,900
90	40.6	77.9	46,600
95	36.3	71.4	42,800
100	31.5	63.6	39,400
105	25.8	54.0	36,300
110	18.6	40.9	33,500

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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. Boom			
22	82.9	126.9	297,200 *
24	82.0	126.6	272,700 *
26	81.0	126.2	251,700 *
28	80.0	125.9	233,500 *
30	79.1	125.5	217,600 *
32	78.1	125.0	203,500 *
34	77.1	124.5	191,100 *
36	76.1	124.0	179,900 *
38	75.1	123.5	169,900 *
40	74.1	122.9	158,900
42	73.1	122.2	147,100
44	72.1	121.6	136,900
46	71.1	120.9	127,900
48	70.1	120.1	119,800
50	69.1	119.3	112,700
55	66.5	117.2	97,700
60	63.8	114.7	85,800
65	61.1	112.0	76,200
70	58.3	109.0	68,200
75	55.4	105.6	61,500
80	52.4	101.8	55,800
85	49.3	97.5	50,900
90	46.0	92.8	46,500
95	42.5	87.5	42,700
100	38.7	81.4	39,400
105	34.6	74.4	36,300
110	30.0	66.2	33,600
115	24.7	56.1	31,100
120	17.7	42.4	28,800
130 Ft. Boom			
24	82.6	136.7	272,400 *
26	81.7	136.4	251,400 *
28	80.8	136.0	233,200 *
30	79.9	135.7	217,300 *
32	79.0	135.3	203,300 *
34	78.1	134.8	190,800 *
36	77.2	134.3	179,700 *
38	76.3	133.8	169,600 *
40	75.4	133.3	159,000
42	74.5	132.7	147,300
44	73.5	132.1	137,000
46	72.6	131.5	127,900
48	71.7	130.8	119,900
50	70.7	130.1	112,700
55	68.4	128.1	97,700
60	66.0	125.9	85,800
65	63.5	123.4	76,200
70	61.0	120.7	68,200
75	58.4	117.6	61,500
80	55.8	114.3	55,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
85	53.0	110.6	50,900
90	50.2	106.5	46,600
95	47.2	101.9	42,800
100	44.0	96.8	39,400
105	40.7	91.2	36,400
110	37.1	84.8	33,700
115	33.2	77.4	31,200
120	28.8	68.7	29,000
125	23.6	58.1	26,900
130	17.0	43.8	25,000
140 Ft. Boom			
26	82.3	146.5	250,900 *
28	81.5	146.2	232,700 *
30	80.6	145.8	216,800 *
32	79.8	145.5	202,800 *
34	79.0	145.1	190,300 *
36	78.1	144.6	179,200 *
38	77.3	144.1	169,100 *
40	76.4	143.6	158,900
42	75.6	143.1	147,200
44	74.7	142.5	136,900
46	73.9	141.9	127,800
48	73.0	141.3	119,800
50	72.2	140.7	112,600
55	70.0	138.9	97,600
60	67.8	136.8	85,700
65	65.5	134.6	76,000
70	63.3	132.1	68,100
75	60.9	129.3	61,300
80	58.5	126.3	55,600
85	56.1	123.0	50,700
90	53.5	119.3	46,400
95	50.9	115.3	42,600
100	48.2	110.9	39,200
105	45.3	106.1	36,200
110	42.3	100.7	33,500
115	39.1	94.7	31,100
120	35.7	87.9	28,800
125	31.9	80.2	26,800
130	27.7	71.2	24,900
135	22.7	60.1	23,100
140	16.3	45.2	21,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
26	82.8	156.6	244,200 *
28	82.0	156.3	232,000 *
30	81.3	156.0	216,100 *
32	80.5	155.6	202,100 *
34	79.7	155.3	189,600 *
36	78.9	154.8	178,400 *
38	78.2	154.4	168,400 *
40	77.4	153.9	158,900
42	76.6	153.5	147,100
44	75.8	152.9	136,800
46	75.0	152.4	127,700
48	74.2	151.8	119,600
50	73.4	151.2	112,400
55	71.4	149.5	97,300
60	69.4	147.6	85,400
65	67.3	145.6	75,800
70	65.2	143.3	67,800
75	63.0	140.8	61,000
80	60.9	138.0	55,300
85	58.6	135.0	50,400
90	56.3	131.7	46,000
95	54.0	128.1	42,200
100	51.6	124.2	38,900
105	49.1	119.9	35,900
110	46.4	115.2	33,200
115	43.7	110.1	30,700
120	40.8	104.4	28,500
125	37.7	98.1	26,400
130	34.4	91.0	24,600
135	30.8	82.9	22,800
140	26.7	73.5	21,200
145	21.9	62.0	19,700
150	15.7	46.5	18,300

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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. Boom			
28	82.5	166.4	228,900 *
30	81.8	166.1	215,500 *
32	81.1	165.8	201,500 *
34	80.4	165.4	189,000 *
36	79.6	165.1	177,900 *
38	78.9	164.6	167,800 *
40	78.2	164.2	158,700
42	77.4	163.7	146,900
44	76.7	163.3	136,600
46	76.0	162.7	127,500
48	75.2	162.2	119,400
50	74.5	161.6	112,200
55	72.6	160.1	97,100
60	70.7	158.3	85,200
65	68.8	156.4	75,500
70	66.8	154.3	67,500
75	64.9	152.0	60,800
80	62.9	149.4	55,000
85	60.8	146.7	50,100
90	58.7	143.6	45,800
95	56.6	140.4	42,000
100	54.4	136.8	38,600
105	52.1	133.0	35,600
110	49.8	128.8	32,900
115	47.4	124.3	30,400
120	44.9	119.3	28,200
125	42.2	113.9	26,200
130	39.4	108.0	24,300
135	36.5	101.4	22,600
140	33.3	94.0	21,000
145	29.8	85.6	19,500
150	25.8	75.7	18,100
155	21.2	63.8	16,800
160	15.2	47.8	15,600
170 Ft. Boom			
28	83.0	176.5	213,500 *
30	82.3	176.2	209,400 *
32	81.6	175.9	201,100 *
34	80.9	175.6	188,600 *
36	80.3	175.2	177,500 *
38	79.6	174.9	167,500 *
40	78.9	174.4	158,400 *
42	78.2	174.0	146,900
44	77.5	173.6	136,500
46	76.8	173.1	127,400
48	76.1	172.6	119,300
50	75.4	172.0	112,100
55	73.7	170.6	97,000
60	71.9	168.9	85,000
65	70.1	167.1	75,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
70	68.3	165.2	67,300
75	66.4	163.0	60,600
80	64.6	160.6	54,900
85	62.7	158.1	49,900
90	60.8	155.3	45,600
95	58.8	152.3	41,800
100	56.8	149.1	38,400
105	54.7	145.6	35,400
110	52.6	141.8	32,700
115	50.4	137.7	30,300
120	48.2	133.3	28,000
125	45.9	128.5	26,000
130	43.4	123.3	24,200
135	40.9	117.6	22,400
140	38.2	111.4	20,900
145	35.3	104.5	19,400
150	32.2	96.8	18,000
155	28.8	88.1	16,700
160	25.0	77.9	15,500
165	20.5	65.6	14,400
180 Ft. Boom			
30	82.7	186.3	199,200 *
32	82.1	186.0	195,500 *
34	81.4	185.7	188,000 *
36	80.8	185.4	176,900 *
38	80.2	185.0	166,900 *
40	79.5	184.6	157,800 *
42	78.9	184.2	146,700
44	78.2	183.8	136,300
46	77.6	183.4	127,200
48	76.9	182.9	119,100
50	76.2	182.4	111,900
55	74.6	181.0	96,700
60	72.9	179.5	84,800
65	71.2	177.8	75,100
70	69.5	175.9	67,100
75	67.8	173.9	60,300
80	66.1	171.7	54,600
85	64.3	169.3	49,600
90	62.5	166.8	45,300
95	60.7	164.0	41,500
100	58.9	161.0	38,100
105	57.0	157.8	35,100
110	55.0	154.3	32,400
115	53.0	150.6	29,900
120	51.0	146.6	27,700
125	48.9	142.3	25,700
130	46.7	137.6	23,800
135	44.5	132.6	22,100
140	42.1	127.1	20,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. Boom			
145	39.7	121.2	19,100
150	37.1	114.7	17,700
155	34.3	107.6	16,500
160	31.3	99.6	15,300
165	28.0	90.6	14,100
170	24.3	80.0	13,100
175	19.9	67.3	12,100
190 Ft. Boom			
32	82.5	196.2	181,000 *
34	81.9	195.9	178,000 *
36	81.3	195.5	175,000 *
38	80.7	195.2	166,100 *
40	80.1	194.8	157,100 *
42	79.4	194.4	146,600
44	78.8	194.0	136,200
46	78.2	193.6	127,000
48	77.6	193.2	118,900
50	77.0	192.7	111,700
55	75.4	191.4	96,500
60	73.9	189.9	84,500
65	72.3	188.4	74,800
70	70.7	186.6	66,700
75	69.1	184.7	60,000
80	67.4	182.7	54,200
85	65.8	180.4	49,200
90	64.1	178.0	44,900
95	62.4	175.4	41,100
100	60.7	172.6	37,700
105	58.9	169.6	34,700
110	57.1	166.4	32,000
115	55.3	163.0	29,500
120	53.4	159.3	27,300
125	51.5	155.4	25,300
130	49.5	151.2	23,400
135	47.5	146.7	21,700
140	45.4	141.8	20,100
145	43.2	136.5	18,700
150	40.9	130.9	17,300
155	38.5	124.7	16,000
160	36.0	118.0	14,800
165	33.3	110.6	13,700
170	30.4	102.3	12,700
175	27.2	93.0	11,700
180	23.6	82.1	10,700
185	19.4	68.9	9,800



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 Meets
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Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. Boom			
32	82.9	206.3	171,000 *
34	82.3	206.0	168,200 *
36	81.7	205.7	165,400 *
38	81.1	205.3	162,600 *
40	80.6	205.0	156,400 *
42	80.0	204.6	146,300
44	79.4	204.2	135,900
46	78.8	203.8	126,800
48	78.2	203.4	118,600
50	77.6	203.0	111,400
55	76.2	201.7	96,200
60	74.7	200.4	84,200
65	73.2	198.9	74,400
70	71.7	197.2	66,400
75	70.2	195.4	59,600
80	68.6	193.5	53,900
85	67.1	191.4	48,900
90	65.5	189.1	44,500
95	63.9	186.7	40,700
100	62.3	184.1	37,300
105	60.6	181.3	34,300
110	59.0	178.3	31,600
115	57.3	175.1	29,200
120	55.5	171.7	26,900
125	53.8	168.1	24,900
130	52.0	164.2	23,000
135	50.1	160.1	21,300
140	48.2	155.6	19,800
145	46.2	150.9	18,300
150	44.2	145.8	16,900
155	42.1	140.4	15,700
160	39.8	134.5	14,500
165	37.5	128.1	13,400
170	35.1	121.1	12,300
175	32.4	113.4	11,300
180	29.6	104.9	10,400
185	26.5	95.3	9,500
190	23.0	84.1	8,700
195	18.9	70.6	7,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. Boom			
34	82.7	216.1	158,700 *
36	82.1	215.8	156,400 *
38	81.6	215.5	154,100 *
40	81.0	215.1	151,800 *
42	80.5	214.8	146,200
44	79.9	214.4	135,800
46	79.4	214.0	126,600
48	78.8	213.6	118,400
50	78.2	213.2	111,200
55	76.8	212.0	96,000
60	75.4	210.8	83,900
65	74.0	209.3	74,200
70	72.6	207.8	66,100
75	71.1	206.1	59,400
80	69.7	204.2	53,600
85	68.2	202.2	48,600
90	66.7	200.1	44,300
95	65.2	197.8	40,500
100	63.7	195.4	37,100
105	62.2	192.7	34,100
110	60.6	189.9	31,300
115	59.0	187.0	28,900
120	57.4	183.8	26,700
125	55.8	180.4	24,600
130	54.1	176.8	22,800
135	52.4	173.0	21,100
140	50.6	168.9	19,500
145	48.8	164.6	18,000
150	46.9	160.0	16,700
155	45.0	155.1	15,400
160	43.0	149.8	14,200
165	41.0	144.1	13,100
170	38.8	138.0	12,100
175	36.6	131.4	11,100
180	34.2	124.2	10,200
185	31.6	116.3	9,300
190	28.9	107.5	8,500
195	25.8	97.5	7,700
200	22.4	86.0	6,900
205	18.4	72.1	6,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. Boom			
34	83.0	226.2	147,500 *
36	82.5	225.9	146,600 *
38	82.0	225.6	144,500 *
40	81.4	225.3	142,400 *
42	80.9	224.9	140,200 *
44	80.4	224.6	135,500
46	79.8	224.2	126,300
48	79.3	223.8	118,200
50	78.8	223.4	110,900
55	77.5	222.3	95,700
60	76.1	221.1	83,600
65	74.8	219.7	73,900
70	73.4	218.3	65,800
75	72.0	216.6	59,000
80	70.7	214.9	53,200
85	69.3	213.0	48,300
90	67.9	211.0	43,900
95	66.4	208.8	40,100
100	65.0	206.5	36,700
105	63.6	204.0	33,700
110	62.1	201.4	31,000
115	60.6	198.6	28,500
120	59.1	195.6	26,300
125	57.5	192.5	24,300
130	56.0	189.1	22,400
135	54.4	185.6	20,700
140	52.7	181.8	19,100
145	51.1	177.8	17,600
150	49.4	173.5	16,300
155	47.6	169.0	15,000
160	45.8	164.2	13,800
165	43.9	159.1	12,700
170	42.0	153.6	11,700
175	40.0	147.7	10,700
180	37.9	141.4	9,800
185	35.7	134.6	8,900
190	33.4	127.1	8,100
195	30.9	119.0	7,300
200	28.2	110.0	6,600
205	25.2	99.7	5,900
210	21.9	87.9	5,200
215	17.9	73.7	4,500



Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
144,100 Lb. Counterweight
28 Ft. 2 in. Crawlers Extended
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
230 Ft. Boom			
36	82.8	236.0	133,600 *
38	82.3	235.7	133,300 *
40	81.8	235.4	132,900 *
42	81.3	235.1	131,500 *
44	80.8	234.7	129,700 *
46	80.3	234.4	126,200
48	79.8	234.0	118,000
50	79.3	233.6	110,700
55	78.0	232.6	95,400
60	76.7	231.4	83,300
65	75.4	230.1	73,600
70	74.1	228.7	65,500
75	72.8	227.2	58,700
80	71.5	225.5	52,900
85	70.2	223.7	47,900
90	68.9	221.8	43,500
95	67.5	219.7	39,700
100	66.2	217.5	36,300
105	64.8	215.2	33,300
110	63.4	212.7	30,500
115	62.0	210.1	28,100
120	60.6	207.3	25,800
125	59.1	204.3	23,800
130	57.6	201.1	21,900
135	56.1	197.8	20,200
140	54.6	194.3	18,600
145	53.1	190.6	17,200
150	51.5	186.6	15,800
155	49.9	182.4	14,600
160	48.2	178.0	13,400
165	46.5	173.3	12,300
170	44.7	168.3	11,200
175	42.9	163.0	10,300
180	41.0	157.3	9,300
185	39.1	151.3	8,500
190	37.0	144.7	7,700
195	34.9	137.7	6,900
200	32.6	130.1	6,100
205	30.2	121.7	5,400
210	27.5	112.4	4,800
215	24.6	101.9	4,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. Boom			
38	82.6	245.8	121,300 *
40	82.2	245.5	121,000 *
42	81.7	245.2	120,700 *
44	81.2	244.9	120,300 *
46	80.7	244.6	120,000 *
48	80.2	244.2	117,700
50	79.7	243.8	110,400
55	78.5	242.8	95,100
60	77.3	241.7	83,000
65	76.1	240.5	73,200
70	74.8	239.1	65,100
75	73.6	237.6	58,300
80	72.3	236.1	52,500
85	71.1	234.4	47,500
90	69.8	232.5	43,100
95	68.5	230.6	39,300
100	67.2	228.5	35,900
105	65.9	226.3	32,800
110	64.6	223.9	30,100
115	63.3	221.4	27,700
120	61.9	218.7	25,400
125	60.5	215.9	23,400
130	59.2	213.0	21,500
135	57.7	209.8	19,800
140	56.3	206.5	18,200
145	54.9	203.0	16,800
150	53.4	199.3	15,400
155	51.9	195.4	14,100
160	50.3	191.3	13,000
165	48.7	187.0	11,900
170	47.1	182.4	10,800
175	45.4	177.5	9,800
180	43.7	172.3	8,900
185	41.9	166.8	8,100
190	40.1	161.0	7,200
195	38.2	154.7	6,500
200	36.2	148.0	5,700
205	34.1	140.8	5,000
210	31.9	132.9	4,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. Boom			
38	82.9	255.9	110,200 *
40	82.5	255.6	109,900 *
42	82.0	255.3	109,600 *
44	81.5	255.0	109,300 *
46	81.1	254.7	109,000 *
48	80.6	254.4	108,600 *
50	80.1	254.0	108,300 *
55	79.0	253.0	95,300
60	77.8	252.0	83,200
65	76.6	250.8	73,400
70	75.4	249.5	65,300
75	74.3	248.1	58,500
80	73.1	246.6	52,700
85	71.9	244.9	47,700
90	70.6	243.2	43,300
95	69.4	241.3	39,500
100	68.2	239.3	36,100
105	66.9	237.2	33,000
110	65.7	235.0	30,300
115	64.4	232.6	27,900
120	63.1	230.1	25,600
125	61.8	227.4	23,600
130	60.5	224.6	21,700
135	59.2	221.6	20,000
140	57.8	218.5	18,400
145	56.5	215.2	17,000
150	55.1	211.7	15,600
155	53.6	208.1	14,300
160	52.2	204.2	13,200
165	50.7	200.2	12,100
170	49.2	195.9	11,000
175	47.7	191.4	10,000
180	46.1	186.6	9,100
185	44.5	181.6	8,300
190	42.8	176.2	7,400
195	41.1	170.6	6,700
200	39.3	164.5	5,900
205	37.4	158.1	5,200
210	35.4	151.2	4,600