

Liftcrane Boom Capacities

2250 SPECIAL

Boom No. 44 With Heavy Lift Top
47 in. Dia. Upper Boom Point, 2-Sheave
Auxiliary Power Plant Mounted on
169,200 Lb. Crane Counterweight
60,000 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 (*).

250 Ft. thru 290 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 all load blocks, hooks, weight ball, slings, hoist lines, etc. beneath boom 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.

Capacity chart restrictions will occur when auxiliary drum on front of rotating bed is used for lower boom point operation. Maximum capacity on 1 in. wire rope is 27,700 Lbs. per line.

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with gantry up. Refer to boom rigging **No. 179809** with upper boom point **No. 192977**, Wire Rope Specification chart **No. 8025-A** and Counterweight Arrangement chart **No. 8026-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. 8027-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, independently powered full width front and rear drums, dual swing drive, 12 part boom hoist reeving, boom support straps, 47 in. dia. upper boom point with 2 sheaves, auxiliary power plant mounted on 169,200 Lb. crane counterweight and two 30,000 Lb. carbody counterweights.

Maximum Boom Lengths Lifted Unassisted	
Over End of Blocked Crawlers	Over Side of Crawlers
Boom Length	Boom Length
290 Ft.	270 Ft.
Load block, hook and weight ball on ground at start.	

Boom Catwalks Deduct
Deduct 600 Lbs. from capacities when boom catwalks are attached.

47 in. dia. upper boom point cannot be used while using this chart, but can remain attached.

Optional lagging for 1-3/8 in. wire rope must be removed prior to using this chart to allow for 1-1/8 in. wire rope operation.

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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. BOOM			
18	82.9	77.1	551,200 *
19	82.1	76.9	545,700 *
20	81.3	76.8	543,400 *
21	80.4	76.5	537,200 *
22	79.6	76.3	514,200 *
23	78.8	76.1	493,000 *
24	77.9	75.8	473,400 *
25	77.1	75.6	455,300 *
26	76.2	75.3	438,400 *
27	75.4	75.0	422,800 *
28	74.5	74.7	408,100 *
29	73.7	74.4	394,400 *
30	72.8	74.0	375,700
32	71.0	73.3	337,600
34	69.3	72.4	306,300
36	67.5	71.6	280,000
38	65.7	70.6	257,600
40	63.8	69.5	238,400
42	61.9	68.4	221,700
44	60.0	67.2	207,000
46	58.1	65.9	194,000
48	56.1	64.5	182,400
50	54.0	62.9	172,100
55	48.6	58.6	150,300
60	42.6	53.2	132,900
65	35.8	46.6	118,800
70	27.4	37.6	107,000
80 Ft. BOOM			
20	82.4	86.9	524,400 *
21	81.7	86.7	521,600 *
22	80.9	86.5	513,500 *
23	80.2	86.3	492,400 *
24	79.5	86.1	472,800 *
25	78.7	85.9	454,700 *
26	78.0	85.6	437,800 *
27	77.3	85.4	422,200 *
28	76.5	85.1	407,500 *
29	75.8	84.8	393,900 *
30	75.0	84.5	376,000
32	73.5	83.9	337,800
34	72.0	83.2	306,400
36	70.5	82.4	280,100
38	68.9	81.6	257,700
40	67.3	80.7	238,500
42	65.8	79.8	221,700
44	64.2	78.7	207,000
46	62.5	77.6	194,000
48	60.9	76.5	182,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
50	59.2	75.2	172,000
55	54.8	71.7	150,200
60	50.2	67.6	132,900
65	45.1	62.7	118,700
70	39.6	56.8	107,000
75	33.3	49.4	97,000
80	25.4	39.7	88,500
90 Ft. BOOM			
21	82.6	96.9	498,200 *
22	81.9	96.7	495,200 *
23	81.3	96.5	491,900 *
24	80.6	96.3	472,400 *
25	80.0	96.1	454,300 *
26	79.3	95.9	437,400 *
27	78.7	95.7	421,800 *
28	78.0	95.4	407,100 *
29	77.4	95.2	393,500 *
30	76.7	94.9	376,200
32	75.4	94.4	338,000
34	74.1	93.7	306,600
36	72.7	93.1	280,200
38	71.4	92.4	257,800
40	70.0	91.6	238,600
42	68.6	90.8	221,800
44	67.2	89.9	207,100
46	65.8	88.9	194,100
48	64.4	87.9	182,500
50	63.0	86.8	172,100
55	59.3	83.9	150,200
60	55.4	80.4	132,900
65	51.3	76.5	118,700
70	47.0	71.8	107,000
75	42.3	66.5	97,100
80	37.1	60.0	88,600
85	31.2	52.1	81,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
22	82.8	106.8	477,600 *
23	82.2	106.7	474,600 *
24	81.6	106.5	471,600 *
25	81.0	106.3	453,500 *
26	80.4	106.1	436,700 *
27	79.8	105.9	421,000 *
28	79.3	105.7	406,400 *
29	78.7	105.5	392,700 *
30	78.1	105.2	376,200
32	76.9	104.7	338,000
34	75.7	104.2	306,500
36	74.5	103.6	280,100
38	73.3	103.0	257,700
40	72.1	102.3	238,400
42	70.9	101.5	221,600
44	69.7	100.8	206,900
46	68.4	99.9	193,900
48	67.2	99.0	182,200
50	65.9	98.1	171,800
55	62.7	95.5	150,000
60	59.3	92.5	132,600
65	55.9	89.2	118,400
70	52.3	85.3	106,700
75	48.5	80.9	96,800
80	44.4	75.9	88,300
85	40.0	70.0	80,900
90	35.1	63.1	74,500
95	29.5	54.7	68,800

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Meets
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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
23	82.9	116.8	373,900 *
24	82.4	116.6	371,400 *
25	81.8	116.5	368,900 *
26	81.3	116.3	366,500 *
27	80.8	116.1	364,200 *
28	80.3	115.9	362,000 *
29	79.7	115.7	359,800 *
30	79.2	115.5	357,700 *
32	78.1	115.0	337,900
34	77.0	114.6	306,400
36	76.0	114.0	280,000
38	74.9	113.4	257,600
40	73.8	112.8	238,300
42	72.7	112.2	221,500
44	71.6	111.5	206,700
46	70.5	110.7	193,700
48	69.4	109.9	182,100
50	68.2	109.1	171,700
55	65.4	106.8	149,800
60	62.4	104.2	132,400
65	59.4	101.2	118,200
70	56.3	97.9	106,500
75	53.0	94.1	96,600
80	49.6	89.9	88,100
85	46.0	85.1	80,700
90	42.2	79.7	74,300
95	38.0	73.4	68,600
100	33.3	66.0	63,600
105	28.0	57.1	59,100
120 Ft. BOOM			
24	83.0	126.8	363,300 *
25	82.5	126.6	361,000 *
26	82.0	126.4	358,700 *
27	81.6	126.3	356,500 *
28	81.1	126.1	354,400 *
29	80.6	125.9	352,400 *
30	80.1	125.7	350,400 *
32	79.1	125.3	337,800
34	78.1	124.8	306,200
36	77.2	124.4	279,800
38	76.2	123.8	257,300
40	75.2	123.3	238,000
42	74.2	122.7	221,200
44	73.2	122.0	206,400
46	72.2	121.4	193,400
48	71.2	120.6	181,700
50	70.1	119.9	171,300
55	67.6	117.8	149,400
60	64.9	115.5	132,000
65	62.2	112.8	117,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
70	59.5	109.9	106,000
75	56.6	106.6	96,100
80	53.6	102.9	87,600
85	50.6	98.8	80,300
90	47.3	94.2	73,900
95	43.9	89.1	68,200
100	40.2	83.3	63,200
105	36.2	76.6	58,700
110	31.8	68.8	54,600
115	26.7	59.3	50,900
130 Ft. BOOM			
26	82.7	136.6	350,600 *
27	82.2	136.4	348,500 *
28	81.8	136.2	346,600 *
29	81.3	136.1	344,700 *
30	80.9	135.9	342,800 *
32	80.0	135.5	337,800
34	79.1	135.1	306,300
36	78.2	134.6	279,800
38	77.3	134.2	257,300
40	76.4	133.6	238,000
42	75.4	133.1	221,100
44	74.5	132.5	206,400
46	73.6	131.9	193,300
48	72.7	131.2	181,700
50	71.7	130.5	171,200
55	69.4	128.7	149,300
60	67.0	126.5	131,900
65	64.5	124.1	117,700
70	62.1	121.5	106,000
75	59.5	118.5	96,000
80	56.9	115.3	87,600
85	54.2	111.7	80,200
90	51.3	107.7	73,800
95	48.4	103.3	68,100
100	45.3	98.4	63,100
105	42.0	92.9	58,600
110	38.5	86.7	54,600
115	34.7	79.7	50,900
120	30.5	71.5	47,600
125	25.6	61.5	44,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
27	82.8	146.5	341,700 *
28	82.4	146.4	339,800 *
29	81.9	146.2	338,100 *
30	81.5	146.0	336,300 *
32	80.7	145.7	333,100 *
34	79.9	145.3	306,000
36	79.0	144.9	279,500
38	78.2	144.4	257,000
40	77.4	144.0	237,600
42	76.5	143.5	220,800
44	75.7	142.9	206,000
46	74.8	142.3	192,900
48	74.0	141.7	181,300
50	73.1	141.1	170,800
55	70.9	139.4	148,900
60	68.7	137.4	131,400
65	66.5	135.2	117,300
70	64.2	132.8	105,500
75	61.9	130.1	95,500
80	59.5	127.2	87,000
85	57.1	124.0	79,700
90	54.6	120.4	73,300
95	52.0	116.5	67,600
100	49.3	112.2	62,600
105	46.5	107.5	58,100
110	43.5	102.3	54,100
115	40.4	96.5	50,400
120	37.0	90.0	47,100
125	33.4	82.6	44,000
130	29.3	74.0	41,200

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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
28	82.9	156.5	302,000 *
29	82.5	156.3	300,100 *
30	82.1	156.2	298,200 *
32	81.3	155.8	294,500 *
34	80.6	155.5	291,100 *
36	79.8	155.1	279,300
38	79.0	154.7	256,700
40	78.2	154.2	237,300
42	77.4	153.8	220,500
44	76.6	153.3	205,700
46	75.8	152.7	192,600
48	75.1	152.2	180,900
50	74.3	151.6	170,500
55	72.3	150.0	148,500
60	70.2	148.2	131,000
65	68.2	146.2	116,800
70	66.1	143.9	105,100
75	63.9	141.5	95,100
80	61.8	138.8	86,600
85	59.6	135.9	79,300
90	57.3	132.6	72,800
95	55.0	129.1	67,200
100	52.6	125.3	62,200
105	50.1	121.2	57,700
110	47.5	116.6	53,600
115	44.8	111.6	50,000
120	42.0	106.1	46,600
125	38.9	100.0	43,600
130	35.7	93.2	40,800
135	32.2	85.4	38,200
140	28.3	76.5	35,900
160 Ft. BOOM			
29	83.0	166.4	291,700 *
30	82.6	166.3	290,000 *
32	81.9	166.0	286,700 *
34	81.1	165.7	283,600 *
36	80.4	165.3	278,900
38	79.7	164.9	256,400
40	79.0	164.5	237,000
42	78.2	164.0	220,100
44	77.5	163.6	205,300
46	76.8	163.1	192,100
48	76.0	162.6	180,500
50	75.3	162.0	170,000
55	73.4	160.5	148,000
60	71.5	158.8	130,500
65	69.6	157.0	116,300
70	67.7	154.9	104,500
75	65.7	152.6	94,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
80	63.7	150.2	86,100
85	61.7	147.5	78,700
90	59.6	144.5	72,300
95	57.5	141.3	66,600
100	55.3	137.9	61,600
105	53.1	134.1	57,100
110	50.7	130.1	53,100
115	48.4	125.6	49,400
120	45.9	120.8	46,100
125	43.3	115.6	43,000
130	40.5	109.8	40,200
135	37.6	103.4	37,700
140	34.5	96.2	35,300
145	31.1	88.2	33,100
150	27.3	78.8	31,000
170 Ft. BOOM			
30	83.0	176.4	283,600 *
32	82.4	176.1	280,700 *
34	81.7	175.8	277,800 *
36	81.0	175.5	275,200 *
38	80.3	175.1	256,300
40	79.6	174.7	236,800
42	78.9	174.3	220,000
44	78.2	173.8	205,100
46	77.5	173.4	192,000
48	76.9	172.9	180,300
50	76.2	172.4	169,900
55	74.4	171.0	147,900
60	72.6	169.4	130,400
65	70.9	167.6	116,200
70	69.1	165.7	104,400
75	67.2	163.6	94,400
80	65.4	161.3	85,900
85	63.5	158.8	78,600
90	61.6	156.1	72,100
95	59.6	153.2	66,500
100	57.6	150.0	61,500
105	55.6	146.6	57,000
110	53.5	142.9	52,900
115	51.3	138.9	49,300
120	49.1	134.6	45,900
125	46.8	129.9	42,900
130	44.4	124.9	40,100
135	41.9	119.3	37,600
140	39.2	113.3	35,200
145	36.4	106.6	33,000
150	33.4	99.2	31,000
155	30.1	90.8	29,100
160	26.5	81.1	27,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
32	82.8	186.2	274,200 *
34	82.1	185.9	271,700 *
36	81.5	185.6	269,300 *
38	80.9	185.3	255,900
40	80.2	184.9	236,500
42	79.6	184.5	219,600
44	78.9	184.1	204,700
46	78.3	183.6	191,600
48	77.6	183.2	179,900
50	76.9	182.7	169,400
55	75.3	181.4	147,400
60	73.6	179.9	129,900
65	72.0	178.3	115,700
70	70.3	176.5	103,800
75	68.6	174.5	93,900
80	66.8	172.3	85,400
85	65.1	170.0	78,000
90	63.3	167.5	71,600
95	61.5	164.8	65,900
100	59.6	161.8	60,900
105	57.8	158.7	56,400
110	55.8	155.3	52,300
115	53.9	151.7	48,700
120	51.8	147.7	45,400
125	49.8	143.5	42,300
130	47.6	139.0	39,500
135	45.4	134.1	37,000
140	43.1	128.8	34,600
145	40.6	123.0	32,400
150	38.1	116.7	30,400
155	35.4	109.8	28,500
160	32.4	102.1	26,700
165	29.2	93.4	25,000
170	25.7	83.3	23,500

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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. BOOM			
34	82.6	196.0	240,800 *
36	81.9	195.7	238,300 *
38	81.3	195.4	235,900 *
40	80.7	195.1	233,600 *
42	80.1	194.7	219,200
44	79.5	194.3	204,300
46	78.9	193.9	191,200
48	78.3	193.4	179,500
50	77.6	193.0	169,000
55	76.1	191.7	147,000
60	74.5	190.3	129,400
65	72.9	188.8	115,200
70	71.4	187.1	103,400
75	69.7	185.3	93,400
80	68.1	183.2	84,900
85	66.5	181.1	77,500
90	64.8	178.7	71,100
95	63.1	176.2	65,400
100	61.4	173.4	60,400
105	59.7	170.5	55,900
110	57.9	167.4	51,800
115	56.1	164.0	48,200
120	54.2	160.4	44,800
125	52.3	156.6	41,800
130	50.3	152.4	39,000
135	48.3	148.0	36,500
140	46.2	143.2	34,100
145	44.1	138.1	31,900
150	41.8	132.6	29,900
155	39.5	126.6	28,000
160	37.0	120.0	26,200
165	34.4	112.8	24,600
170	31.5	104.8	23,000
175	28.4	95.8	21,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	82.9	206.1	232,800 *
36	82.4	205.8	230,600 *
38	81.8	205.5	228,500 *
40	81.2	205.2	226,500 *
42	80.6	204.8	218,800
44	80.0	204.5	203,900
46	79.4	204.1	190,800
48	78.9	203.7	179,000
50	78.3	203.2	168,500
55	76.8	202.1	146,500
60	75.3	200.7	128,900
65	73.8	199.3	114,700
70	72.3	197.7	102,800
75	70.8	195.9	92,800
80	69.3	194.0	84,300
85	67.7	192.0	76,900
90	66.2	189.8	70,500
95	64.6	187.4	64,800
100	63.0	184.8	59,800
105	61.3	182.1	55,300
110	59.7	179.2	51,200
115	58.0	176.0	47,600
120	56.3	172.7	44,200
125	54.5	169.1	41,200
130	52.7	165.3	38,400
135	50.9	161.3	35,800
140	49.0	157.0	33,500
145	47.0	152.3	31,300
150	45.0	147.3	29,300
155	42.9	142.0	27,400
160	40.7	136.2	25,600
165	38.4	130.0	23,900
170	36.0	123.2	22,400
175	33.4	115.8	20,900
180	30.7	107.5	19,500
185	27.7	98.3	18,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. BOOM			
36	82.7	215.9	224,700 *
38	82.2	215.6	222,800 *
40	81.6	215.3	221,000 *
42	81.1	215.0	215,900 *
44	80.5	214.6	203,700
46	80.0	214.3	190,500
48	79.4	213.9	178,800
50	78.8	213.5	168,300
55	77.4	212.3	146,200
60	76.0	211.1	128,700
65	74.6	209.7	114,400
70	73.2	208.2	102,500
75	71.8	206.5	92,600
80	70.3	204.7	84,000
85	68.8	202.8	76,700
90	67.4	200.7	70,200
95	65.9	198.5	64,500
100	64.4	196.1	59,500
105	62.8	193.5	55,000
110	61.3	190.8	51,000
115	59.7	187.8	47,300
120	58.1	184.7	44,000
125	56.4	181.4	40,900
130	54.8	177.9	38,200
135	53.1	174.1	35,600
140	51.3	170.1	33,200
145	49.5	165.9	31,000
150	47.7	161.4	29,000
155	45.8	156.5	27,100
160	43.8	151.3	25,400
165	41.8	145.8	23,700
170	39.7	139.8	22,100
175	37.4	133.4	20,700
180	35.1	126.4	19,300
185	32.6	118.7	18,000
190	29.9	110.2	16,800
195	27.0	100.6	15,600



Liftcrane Boom Capacities

2250 SPECIAL

Boom No. 44 With Heavy Lift Top
47 in. Dia. Upper Boom Point, 2-Sheave
Auxiliary Power Plant Mounted on
169,200 Lb. Crane Counterweight
60,000 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	216,700 *
40	82.0	225.5	211,600 *
42	81.5	225.1	206,500 *
44	80.9	224.8	201,600 *
46	80.4	224.4	190,100
48	79.9	224.1	178,300
50	79.4	223.7	167,800
55	78.0	222.6	145,700
60	76.7	221.4	128,200
65	75.3	220.1	113,900
70	74.0	218.7	102,000
75	72.6	217.1	92,000
80	71.2	215.4	83,500
85	69.9	213.5	76,100
90	68.5	211.6	69,600
95	67.0	209.4	63,900
100	65.6	207.2	58,900
105	64.2	204.7	54,400
110	62.7	202.2	50,300
115	61.2	199.4	46,700
120	59.7	196.5	43,400
125	58.2	193.4	40,300
130	56.6	190.1	37,500
135	55.0	186.6	35,000
140	53.4	182.9	32,600
145	51.7	179.0	30,400
150	50.1	174.8	28,400
155	48.3	170.4	26,500
160	46.5	165.6	24,700
165	44.7	160.6	23,100
170	42.8	155.2	21,500
175	40.8	149.5	20,100
180	38.7	143.3	18,700
185	36.5	136.6	17,400
190	34.2	129.4	16,100
195	31.8	121.5	15,000
200	29.2	112.7	13,900
205	26.3	102.9	12,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. BOOM			
38	82.9	235.9	192,400 *
40	82.4	235.6	190,700 *
42	81.8	235.3	189,200 *
44	81.3	234.9	187,700 *
46	80.8	234.6	184,600 *
48	80.3	234.2	177,900
50	79.8	233.9	167,400
55	78.6	232.9	145,200
60	77.3	231.7	127,700
65	76.0	230.5	113,400
70	74.7	229.1	101,500
75	73.4	227.6	91,500
80	72.1	226.0	82,900
85	70.8	224.2	75,500
90	69.4	222.3	69,100
95	68.1	220.3	63,400
100	66.7	218.2	58,400
105	65.4	215.9	53,800
110	64.0	213.4	49,800
115	62.6	210.8	46,100
120	61.2	208.1	42,800
125	59.7	205.1	39,800
130	58.3	202.1	37,000
135	56.8	198.8	34,400
140	55.2	195.3	32,100
145	53.7	191.7	29,900
150	52.1	187.8	27,800
155	50.5	183.7	25,900
160	48.9	179.3	24,200
165	47.2	174.7	22,500
170	45.4	169.8	21,000
175	43.6	164.6	19,500
180	41.8	159.0	18,100
185	39.8	153.1	16,800
190	37.8	146.7	15,600
195	35.7	139.8	14,400
200	33.5	132.4	13,300
205	31.1	124.2	12,300
210	28.5	115.2	11,300
215	25.7	105.1	10,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. BOOM			
40	82.7	245.7	184,900 *
42	82.2	245.4	182,500 *
44	81.7	245.1	179,000 *
46	81.2	244.7	175,400 *
48	80.7	244.4	171,700 *
50	80.3	244.0	166,900
55	79.0	243.1	144,700
60	77.8	242.0	127,100
65	76.6	240.8	112,800
70	75.4	239.5	100,900
75	74.1	238.0	90,900
80	72.9	236.5	82,400
85	71.6	234.8	75,000
90	70.3	233.0	68,500
95	69.1	231.1	62,800
100	67.8	229.1	57,700
105	66.5	226.9	53,200
110	65.2	224.6	49,200
115	63.8	222.1	45,500
120	62.5	219.5	42,200
125	61.1	216.7	39,100
130	59.7	213.8	36,300
135	58.3	210.7	33,800
140	56.9	207.5	31,400
145	55.5	204.0	29,200
150	54.0	200.4	27,200
155	52.5	196.6	25,300
160	50.9	192.5	23,500
165	49.4	188.2	21,900
170	47.8	183.7	20,300
175	46.1	178.9	18,900
180	44.4	173.9	17,500
185	42.6	168.5	16,200
190	40.8	162.7	15,000
195	38.9	156.6	13,800
200	37.0	150.0	12,700
205	34.9	142.9	11,600
210	32.7	135.3	10,600
215	30.4	126.9	9,700
220	27.9	117.7	8,800
225	25.1	107.3	7,900

Liftcrane Boom Capacities

2250 SPECIAL

Boom No. 44 With Heavy Lift Top
47 in. Dia. Upper Boom Point, 2-Sheave
Auxiliary Power Plant Mounted on
169,200 Lb. Crane Counterweight
60,000 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	178,100 *
42	82.5	255.5	175,400 *
44	82.0	255.2	172,000 *
46	81.6	254.9	168,600 *
48	81.1	254.6	165,200 *
50	80.6	254.2	161,700 *
55	79.5	253.3	145,500
60	78.3	252.2	127,900
65	77.1	251.1	113,600
70	76.0	249.8	101,700
75	74.8	248.5	91,700
80	73.6	247.0	83,100
85	72.4	245.4	75,700
90	71.2	243.7	69,300
95	69.9	241.8	63,600
100	68.7	239.9	58,500
105	67.5	237.8	54,000
110	66.2	235.6	50,000
115	64.9	233.3	46,300
120	63.7	230.8	43,000
125	62.4	228.2	39,900
130	61.1	225.4	37,100
135	59.7	222.5	34,600
140	58.4	219.4	32,200
145	57.0	216.2	30,000
150	55.6	212.7	28,000
155	54.2	209.1	26,100
160	52.8	205.4	24,300
165	51.3	201.4	22,700
170	49.8	197.2	21,100
175	48.3	192.7	19,700
180	46.7	188.0	18,300
185	45.1	183.1	17,000
190	43.4	177.8	15,800
195	41.7	172.2	14,600
200	40.0	166.3	13,500
205	38.1	160.0	12,500
210	36.2	153.2	11,500
215	34.2	146.0	10,500
220	32.0	138.1	9,600
225	29.7	129.5	8,800
230	27.3	120.1	7,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. BOOM			
42	82.8	265.6	166,500 *
44	82.4	265.3	163,100 *
46	81.9	265.0	159,800 *
48	81.5	264.7	156,600 *
50	81.0	264.4	153,300 *
55	79.9	263.5	145,000
60	78.8	262.5	127,400
65	77.6	261.4	113,000
70	76.5	260.1	101,200
75	75.4	258.8	91,100
80	74.2	257.4	82,600
85	73.1	255.9	75,100
90	71.9	254.2	68,700
95	70.7	252.5	63,000
100	69.6	250.6	57,900
105	68.4	248.6	53,400
110	67.2	246.5	49,300
115	66.0	244.3	45,700
120	64.8	241.9	42,300
125	63.5	239.4	39,300
130	62.3	236.8	36,500
135	61.0	234.0	33,900
140	59.8	231.1	31,600
145	58.5	228.1	29,400
150	57.1	224.8	27,400
155	55.8	221.4	25,500
160	54.5	217.9	23,700
165	53.1	214.1	22,000
170	51.7	210.2	20,500
175	50.2	206.0	19,000
180	48.8	201.7	17,700
185	47.3	197.1	16,400
190	45.8	192.2	15,100
195	44.2	187.1	14,000
200	42.6	181.7	12,900
205	40.9	176.0	11,800
210	39.1	169.9	10,800
215	37.3	163.4	9,900
220	35.4	156.4	9,000
225	33.5	149.0	8,100
230	31.4	140.9	7,300
235	29.1	132.1	6,500
240	26.7	122.4	5,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. BOOM			
44	82.6	275.4	151,800 *
46	82.2	275.1	148,900 *
48	81.8	274.8	146,000 *
50	81.3	274.5	143,100 *
55	80.3	273.6	135,800 *
60	79.2	272.7	126,900
65	78.1	271.6	112,500
70	77.0	270.4	100,600
75	75.9	269.2	90,600
80	74.8	267.8	82,000
85	73.7	266.4	74,600
90	72.6	264.8	68,100
95	71.5	263.1	62,400
100	70.4	261.3	57,400
105	69.2	259.4	52,800
110	68.1	257.4	48,800
115	66.9	255.3	45,100
120	65.8	253.0	41,800
125	64.6	250.6	38,700
130	63.4	248.1	35,900
135	62.2	245.5	33,400
140	61.0	242.7	31,000
145	59.8	239.8	28,800
150	58.5	236.7	26,800
155	57.3	233.5	24,900
160	56.0	230.1	23,100
165	54.7	226.6	21,500
170	53.4	222.9	19,900
175	52.0	219.0	18,500
180	50.6	214.9	17,100
185	49.2	210.6	15,800
190	47.8	206.1	14,600
195	46.3	201.3	13,400
200	44.8	196.3	12,300
205	43.3	191.1	11,300
210	41.7	185.5	10,300
215	40.1	179.6	9,300
220	38.4	173.3	8,400
225	36.6	166.6	7,600
230	34.8	159.5	6,700
235	32.8	151.9	5,900
240	30.8	143.6	5,200

Liftcrane Boom Capacities

2250 SPECIAL

Boom No. 44 With Heavy Lift Top
47 in. Dia. Upper Boom Point, 2-Sheave
Auxiliary Power Plant Mounted on
169,200 Lb. Crane Counterweight
60,000 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	142,000 *
46	82.5	285.2	141,500 *
48	82.1	284.9	140,900 *
50	81.7	284.6	138,600 *
55	80.6	283.8	130,900 *
60	79.6	282.9	127,100
65	78.5	281.8	112,700
70	77.5	280.7	100,800
75	76.4	279.5	90,700
80	75.4	278.2	82,100
85	74.3	276.8	74,700
90	73.2	275.3	68,200
95	72.2	273.7	62,400
100	71.1	271.9	57,400
105	70.0	270.1	52,800
110	68.9	268.2	48,700
115	67.8	266.1	45,000
120	66.7	264.0	41,700
125	65.6	261.7	38,600
130	64.4	259.3	35,800
135	63.3	256.8	33,300
140	62.1	254.1	30,900
145	61.0	251.4	28,700
150	59.8	248.5	26,600
155	58.6	245.4	24,700
160	57.4	242.2	23,000
165	56.1	238.8	21,300
170	54.9	235.3	19,700
175	53.6	231.6	18,300
180	52.3	227.8	16,900
185	51.0	223.7	15,600
190	49.7	219.5	14,400
195	48.3	215.1	13,200
200	46.9	210.4	12,100
205	45.5	205.5	11,000
210	44.0	200.3	10,100
215	42.5	194.9	9,100
220	40.9	189.2	8,200
225	39.3	183.1	7,300
230	37.6	176.7	6,300 *
235	35.9	169.9	5,100 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
290 Ft. BOOM			
46	82.7	295.3	131,000 *
48	82.3	295.0	130,600 *
50	81.9	294.7	130,300 *
55	80.9	293.9	129,400 *
60	79.9	293.0	126,200 *
65	78.9	292.1	112,500
70	77.9	291.0	100,500
75	76.9	289.8	90,500
80	75.9	288.6	81,900
85	74.9	287.2	74,400
90	73.8	285.7	67,900
95	72.8	284.2	62,200
100	71.8	282.5	57,100
105	70.7	280.8	52,600
110	69.7	278.9	48,500
115	68.6	277.0	44,800
120	67.5	274.9	41,500
125	66.5	272.7	38,400
130	65.4	270.4	35,600
135	64.3	268.0	33,100
140	63.2	265.5	30,700
145	62.0	262.8	28,500
150	60.9	260.0	26,400
155	59.8	257.1	24,500
160	58.6	254.1	22,800
165	57.4	250.9	21,100
170	56.3	247.5	19,500
175	55.1	244.0	18,100
180	53.8	240.4	16,700
185	52.6	236.6	15,400
190	51.3	232.6	14,200
195	50.0	228.4	13,000
200	48.7	224.0	11,900
205	47.4	219.4	10,900
210	46.0	214.6	9,900
215	44.6	209.6	8,900
220	43.2	204.3	7,800 *
225	41.7	198.7	6,600 *
230	40.2	192.8	5,300 *
235	38.6	186.6	4,200 *