



# Liftcrane Boom Capacities

# 2250 SERIES 3

**Boom No. 44 With Heavy Lift Top**  
**249,200 Lb. Crane Counterweight**  
**120,000 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 (\*).

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. Refer to boom rigging **No. 179809**, 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, 12 part boom hoist reeving, boom support straps, 249,200 Lb. crane counterweight, two 30,000 Lb. and four 15,000 Lb. carbody counterweights.

Consult chart **No. 8013-A** for jib capacities. Consult chart **No. 8526-A** for extended upper boom point capacities.

<b>Deduct From Capacities When Jib Is Attached</b>	
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.

**Extended Upper Boom Point Deduct**

Deduct 6,000 Lbs. from boom capacities when 25 Ft. extended upper boom point is attached.

**Third Line Deduct**

Deduct 600 Lbs. from boom capacities when boom is equipped for three line operation.

**Boom Catwalks Deduct**

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

Upper boom point cannot be used when jib or extended upper boom point is attached. Jib cannot be attached when boom is equipped for three line operation.



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Maximum Boom and Jib Lengths Lifted Unassisted Over Front, Side or Rear of Crawlers		
Boom Length	Jib No. 132	25 Ft. Extended Upper Boom Point
(a) 300 Ft.	—	—
290 Ft.	—	—
280 Ft.	—	—
270 Ft.	—	—
260 Ft.	80 Ft.	25 Ft.
250 Ft.	100 Ft.	
(b) 250 Ft.	120 Ft.	
240 Ft.	120 Ft.	

Load block, hook and weight ball on ground at start.  
When equipped with boom catwalks (a) upper boom point cannot be used on 300 Ft. boom and (b) 120 Ft. jib on 250 Ft. boom cannot be raised.

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 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<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 *
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 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<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	304,200 *
42	68.6	90.8	283,300 *
44	67.2	89.9	264,900 *
46	65.8	88.9	248,700 *
48	64.4	87.9	234,200 *
50	63.0	86.8	221,200 *
55	59.3	83.9	194,000 *
60	55.4	80.4	172,400 *
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 *



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<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	304,000 *
42	70.9	101.5	283,100 *
44	69.7	100.8	264,700 *
46	68.4	99.9	248,400 *
48	67.2	99.0	234,000 *
50	65.9	98.1	221,000 *
55	62.7	95.5	193,700 *
60	59.3	92.5	172,100 *
65	55.9	89.2	154,400 *
70	52.3	85.3	139,800 *
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 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<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	303,900 *
42	72.7	112.2	282,900 *
44	71.6	111.5	264,500 *
46	70.5	110.7	248,300 *
48	69.4	109.9	233,800 *
50	68.2	109.1	220,800 *
55	65.4	106.8	193,500 *
60	62.4	104.2	171,800 *
65	59.4	101.2	154,200 *
70	56.3	97.9	139,500 *
75	53.0	94.1	127,200 *
80	49.6	89.9	116,600 *
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 *

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	282,600 *
44	73.2	122.0	264,200 *
46	72.2	121.4	247,900 *
48	71.2	120.6	233,400 *
50	70.1	119.9	220,400 *
55	67.6	117.8	193,100 *
60	64.9	115.5	171,400 *
65	62.2	112.8	153,800 *
70	59.5	109.9	139,100 *
75	56.6	106.6	126,700 *
80	53.6	102.9	116,200 *
85	50.6	98.8	107,000 *
90	47.3	94.2	99,000 *
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 *



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<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	264,200
46	73.6	131.9	247,900
48	72.7	131.2	233,400
50	71.7	130.5	220,400
55	69.4	128.7	193,100
60	67.0	126.5	171,400
65	64.5	124.1	153,700
70	62.1	121.5	139,000
75	59.5	118.5	126,700
80	56.9	115.3	116,100
85	54.2	111.7	106,900
90	51.3	107.7	99,000
95	48.4	103.3	91,900
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 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<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	247,500
48	74.0	141.7	233,000
50	73.1	141.1	220,000
55	70.9	139.4	192,600
60	68.7	137.4	170,900
65	66.5	135.2	153,200
70	64.2	132.8	138,500
75	61.9	130.1	126,200
80	59.5	127.2	115,600
85	57.1	124.0	106,400
90	54.6	120.4	98,400
95	52.0	116.5	91,400
100	49.3	112.2	85,100
105	46.5	107.5	79,600
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	219,600
55	72.3	150.0	192,200
60	70.2	148.2	170,500
65	68.2	146.2	152,800
70	66.1	143.9	138,100
75	63.9	141.5	125,700
80	61.8	138.8	115,100
85	59.6	135.9	106,000
90	57.3	132.6	98,000
95	55.0	129.1	91,000
100	52.6	125.3	84,700
105	50.1	121.2	79,100
110	47.5	116.6	74,100
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 *



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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	191,700 *
60	71.5	158.8	170,000 *
65	69.6	157.0	152,300 *
70	67.7	154.9	137,600 *
75	65.7	152.6	125,200 *
80	63.7	150.2	114,600 *
85	61.7	147.5	105,400 *
90	59.6	144.5	97,400 *
95	57.5	141.3	90,400 *
100	55.3	137.9	84,100 *
105	53.1	134.1	78,500 *
110	50.7	130.1	73,500 *
115	48.4	125.6	69,000 *
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	191,600 *
60	72.6	169.4	169,800 *
65	70.9	167.6	152,100 *
70	69.1	165.7	137,400 *
75	67.2	163.6	125,000 *
80	65.4	161.3	114,500 *
85	63.5	158.8	105,300 *
90	61.6	156.1	97,300 *
95	59.6	153.2	90,300 *
100	57.6	150.0	84,000 *
105	55.6	146.6	78,400 *
110	53.5	142.9	73,400 *
115	51.3	138.9	68,800 *
120	49.1	134.6	64,700 *
125	46.8	129.9	60,900 *
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	169,300 *
65	72.0	178.3	151,600 *
70	70.3	176.5	136,900 *
75	68.6	174.5	124,500 *
80	66.8	172.3	113,900 *
85	65.1	170.0	104,700 *
90	63.3	167.5	96,700 *
95	61.5	164.8	89,700 *
100	59.6	161.8	83,400 *
105	57.8	158.7	77,800 *
110	55.8	155.3	72,800 *
115	53.9	151.7	68,300 *
120	51.8	147.7	64,100 *
125	49.8	143.5	60,300 *
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 *



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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	151,100
70	71.4	187.1	136,400
75	69.7	185.3	124,000
80	68.1	183.2	113,400
85	66.5	181.1	104,200
90	64.8	178.7	96,200
95	63.1	176.2	89,200
100	61.4	173.4	82,900
105	59.7	170.5	77,300
110	57.9	167.4	72,300
115	56.1	164.0	67,700
120	54.2	160.4	63,600
125	52.3	156.6	59,800
130	50.3	152.4	56,400
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	150,600
70	72.3	197.7	135,900
75	70.8	195.9	123,400
80	69.3	194.0	112,800
85	67.7	192.0	103,600
90	66.2	189.8	95,600
95	64.6	187.4	88,600
100	63.0	184.8	82,300
105	61.3	182.1	76,700
110	59.7	179.2	71,700
115	58.0	176.0	67,100
120	56.3	172.7	63,000
125	54.5	169.1	59,200
130	52.7	165.3	55,800
135	50.9	161.3	52,600
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	135,600
75	71.8	206.5	123,200
80	70.3	204.7	112,600
85	68.8	202.8	103,400
90	67.4	200.7	95,400
95	65.9	198.5	88,300
100	64.4	196.1	82,000
105	62.8	193.5	76,400
110	61.3	190.8	71,400
115	59.7	187.8	66,900
120	58.1	184.7	62,700
125	56.4	181.4	59,000
130	54.8	177.9	55,500
135	53.1	174.1	52,300
140	51.3	170.1	49,400
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

# 2250 SERIES 3

**Boom No. 44 With Heavy Lift Top**  
**249,200 Lb. Crane Counterweight**  
**120,000 Lb. Carbody Counterweight**  
**360 Degree Rating**

**Meets  
ANSI B30.5  
Requirements**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<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	122,600
80	71.2	215.4	112,000
85	69.9	213.5	102,800
90	68.5	211.6	94,800
95	67.0	209.4	87,700
100	65.6	207.2	81,500
105	64.2	204.7	75,800
110	62.7	202.2	70,800
115	61.2	199.4	66,300
120	59.7	196.5	62,100
125	58.2	193.4	58,300
130	56.6	190.1	54,900
135	55.0	186.6	51,700
140	53.4	182.9	48,800
145	51.7	179.0	46,100
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	111,500
85	70.8	224.2	102,300
90	69.4	222.3	94,300
95	68.1	220.3	87,200
100	66.7	218.2	80,900
105	65.4	215.9	75,300
110	64.0	213.4	70,300
115	62.6	210.8	65,700
120	61.2	208.1	61,600
125	59.7	205.1	57,800
130	58.3	202.1	54,300
135	56.8	198.8	51,200
140	55.2	195.3	48,200
145	53.7	191.7	45,500
150	52.1	187.8	43,000
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	101,700
90	70.3	233.0	93,700
95	69.1	231.1	86,600
100	67.8	229.1	80,300
105	66.5	226.9	74,700
110	65.2	224.6	69,600
115	63.8	222.1	65,100
120	62.5	219.5	60,900
125	61.1	216.7	57,200
130	59.7	213.8	53,700
135	58.3	210.7	50,500
140	56.9	207.5	47,600
145	55.5	204.0	44,900
150	54.0	200.4	42,300
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

# 2250 SERIES 3

**Boom No. 44 With Heavy Lift Top**  
**249,200 Lb. Crane Counterweight**  
**120,000 Lb. Carbody Counterweight**  
**360 Degree Rating**

**Meets  
ANSI B30.5  
Requirements**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<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	94,400
95	69.9	241.8	87,400
100	68.7	239.9	81,100
105	67.5	237.8	75,500
110	66.2	235.6	70,400
115	64.9	233.3	65,900
120	63.7	230.8	61,700
125	62.4	228.2	58,000
130	61.1	225.4	54,500
135	59.7	222.5	51,300
140	58.4	219.4	48,400
145	57.0	216.2	45,700
150	55.6	212.7	43,100
155	54.2	209.1	40,800
160	52.8	205.4	38,600
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	86,800
100	69.6	250.6	80,500
105	68.4	248.6	74,900
110	67.2	246.5	69,800
115	66.0	244.3	65,300
120	64.8	241.9	61,100
125	63.5	239.4	57,300
130	62.3	236.8	53,900
135	61.0	234.0	50,700
140	59.8	231.1	47,800
145	58.5	228.1	45,000
150	57.1	224.8	42,500
155	55.8	221.4	40,200
160	54.5	217.9	38,000
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	79,900
105	69.2	259.4	74,300
110	68.1	257.4	69,300
115	66.9	255.3	64,700
120	65.8	253.0	60,500
125	64.6	250.6	56,800
130	63.4	248.1	53,300
135	62.2	245.5	50,100
140	61.0	242.7	47,200
145	59.8	239.8	44,500
150	58.5	236.7	41,900
155	57.3	233.5	39,600
160	56.0	230.1	37,400
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

# 2250 SERIES 3

**Boom No. 44 With Heavy Lift Top**  
**249,200 Lb. Crane Counterweight**  
**120,000 Lb. Carbody Counterweight**  
**360 Degree Rating**

**Meets  
ANSI B30.5  
Requirements**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
<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	74,300 *
110	68.9	268.2	69,200 *
115	67.8	266.1	64,600 *
120	66.7	264.0	60,500 *
125	65.6	261.7	56,700 *
130	64.4	259.3	53,200 *
135	63.3	256.8	50,000 *
140	62.1	254.1	47,100 *
145	61.0	251.4	44,300 *
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	64,400 *
120	67.5	274.9	60,300 *
125	66.5	272.7	56,500 *
130	65.4	270.4	53,000 *
135	64.3	268.0	49,800 *
140	63.2	265.5	46,900 *
145	62.0	262.8	44,100 *
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	55,800 *
130	66.2	281.4	52,400 *
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 *