

Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. 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.

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 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. 8029-A**. 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, 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, boom support straps and 169,200 Lb. counterweight.

Consult chart **No. 8005-A** for jib capacities. Consult chart **No. 8528-A** for extended upper boom point capacities.

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.

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.



Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. Counterweight
Rating Over Front of Blocked Crawlers
No Travel - Limited Swing

Meets
ANSI B30.5
Requirements

WITHOUT BOOM CATWALKS		
Maximum Boom and Jib Lengths Lifted Unassisted Over Front of Blocked Crawlers		
Boom Length	Jib No. 132	25 Ft. Extended Upper Boom Pt.
(a) 300 Ft.	—	—
290 Ft.	—	—
280 Ft.	—	—
270 Ft.	—	—
260 Ft.	40 Ft.	—
(b) 260 Ft.	60 Ft.	—
250 Ft.	80 Ft.	—
(b) 240 Ft.	100 Ft.	—
230 Ft.	120 Ft.	25 Ft.

Load block, hook and weight ball on ground at start.
 (a) Upper boom point and third line sheave assembly on boom top must be removed on 300 Ft. boom.
 (b) Machine must be equipped with optional upperworks jacking cylinders.

WITH BOOM CATWALKS		
Maximum Boom and Jib Lengths Lifted Unassisted Over Front of Blocked Crawlers		
Boom Length	Jib No. 132	25 Ft. Extended Upper Boom Pt.
(a)(b) 300 Ft.	—	—
(b) 290 Ft.	—	—
280 Ft.	—	—
270 Ft.	—	—
260 Ft.	(b) 40 Ft.	—
250 Ft.	60 Ft.	—
240 Ft.	80 Ft.	—
230 Ft.	100 Ft.	25 Ft.
220 Ft.	120 Ft.	—

Load block, hook and weight ball on ground at start.
 (a) Upper boom point and third line sheave assembly on boom top must be removed on 300 Ft. boom. 300 Ft. boom must be rigged with one hoist lead line.
 (b) Machine must be equipped with optional upperworks jacking cylinders.

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	547,900 *
20	81.3	76.8	545,600 *
21	80.4	76.5	527,000 *
22	79.6	76.3	504,500 *
23	78.8	76.1	483,800 *
24	77.9	75.8	464,700 *
25	77.1	75.6	447,000 *
26	76.2	75.3	430,500 *
27	75.4	75.0	415,200 *
28	74.5	74.7	400,900 *
29	73.7	74.4	387,600 *
30	72.8	74.0	375,000 *
32	71.0	73.3	352,200 *
34	69.3	72.4	331,800 *
36	67.5	71.6	302,800
38	65.7	70.6	276,700
40	63.8	69.5	254,500
42	61.9	68.4	235,500
44	60.0	67.2	219,000
46	58.1	65.9	204,500
48	56.1	64.5	191,800
50	54.0	62.9	180,400
55	48.6	58.6	156,800
60	42.6	53.2	138,200
65	35.8	46.6	123,300
70	27.4	37.6	110,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
80 Ft. BOOM			
20	82.4	86.9	526,400 *
21	81.7	86.7	523,600 *
22	80.9	86.5	503,500 *
23	80.2	86.3	482,900 *
24	79.5	86.1	463,800 *
25	78.7	85.9	446,100 *
26	78.0	85.6	429,700 *
27	77.3	85.4	414,400 *
28	76.5	85.1	400,100 *
29	75.8	84.8	386,700 *
30	75.0	84.5	374,200 *
32	73.5	83.9	351,300 *
34	72.0	83.2	331,000 *
36	70.5	82.4	302,700
38	68.9	81.6	276,600
40	67.3	80.7	254,400
42	65.8	79.8	235,300
44	64.2	78.7	218,800
46	62.5	77.6	204,300
48	60.9	76.5	191,500
50	59.2	75.2	180,100
55	54.8	71.7	156,500
60	50.2	67.6	137,900
65	45.1	62.7	123,000
70	39.6	56.8	110,700
75	33.3	49.4	100,400
80	25.4	39.7	91,600

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
21	82.6	96.9	498,600 *
22	81.9	96.7	495,600 *
23	81.3	96.5	482,200 *
24	80.6	96.3	463,200 *
25	80.0	96.1	445,500 *
26	79.3	95.9	429,100 *
27	78.7	95.7	413,800 *
28	78.0	95.4	399,500 *
29	77.4	95.2	386,200 *
30	76.7	94.9	373,600 *
32	75.4	94.4	350,800 *
34	74.1	93.7	330,500 *
36	72.7	93.1	302,700
38	71.4	92.4	276,600
40	70.0	91.6	254,400
42	68.6	90.8	235,300
44	67.2	89.9	218,700
46	65.8	88.9	204,200
48	64.4	87.9	191,400
50	63.0	86.8	180,000
55	59.3	83.9	156,400
60	55.4	80.4	137,800
65	51.3	76.5	122,900
70	47.0	71.8	110,600
75	42.3	66.5	100,300
80	37.1	60.0	91,500
85	31.2	52.1	84,000

Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. 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
100 Ft. BOOM			
22	82.8	106.8	479,300 *
23	82.2	106.7	476,300 *
24	81.6	106.5	462,200 *
25	81.0	106.3	444,500 *
26	80.4	106.1	428,100 *
27	79.8	105.9	412,800 *
28	79.3	105.7	398,600 *
29	78.7	105.5	385,200 *
30	78.1	105.2	372,700 *
32	76.9	104.7	349,900 *
34	75.7	104.2	329,600 *
36	74.5	103.6	302,500
38	73.3	103.0	276,300
40	72.1	102.3	254,100
42	70.9	101.5	235,000
44	69.7	100.8	218,400
46	68.4	99.9	203,900
48	67.2	99.0	191,100
50	65.9	98.1	179,700
55	62.7	95.5	156,000
60	59.3	92.5	137,400
65	55.9	89.2	122,400
70	52.3	85.3	110,100
75	48.5	80.9	99,800
80	44.4	75.9	91,000
85	40.0	70.0	83,500
90	35.1	63.1	77,000
95	29.5	54.7	71,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
110 Ft. BOOM			
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	349,300 *
34	77.0	114.6	329,000 *
36	76.0	114.0	302,400
38	74.9	113.4	276,100
40	73.8	112.8	253,900
42	72.7	112.2	234,800
44	71.6	111.5	218,200
46	70.5	110.7	203,600
48	69.4	109.9	190,800
50	68.2	109.1	179,400
55	65.4	106.8	155,700
60	62.4	104.2	137,100
65	59.4	101.2	122,100
70	56.3	97.9	109,800
75	53.0	94.1	99,500
80	49.6	89.9	90,700
85	46.0	85.1	83,200
90	42.2	79.7	76,600
95	38.0	73.4	70,900
100	33.3	66.0	65,800
105	28.0	57.1	61,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
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	328,100 *
36	77.2	124.4	302,100
38	76.2	123.8	275,800
40	75.2	123.3	253,500
42	74.2	122.7	234,400
44	73.2	122.0	217,800
46	72.2	121.4	203,200
48	71.2	120.6	190,400
50	70.1	119.9	178,900
55	67.6	117.8	155,200
60	64.9	115.5	136,600
65	62.2	112.8	121,600
70	59.5	109.9	109,200
75	56.6	106.6	98,900
80	53.6	102.9	90,100
85	50.6	98.8	82,600
90	47.3	94.2	76,000
95	43.9	89.1	70,300
100	40.2	83.3	65,200
105	36.2	76.6	60,700
110	31.8	68.8	56,600
115	26.7	59.3	52,900



Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. 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
130 Ft. BOOM			
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	327,800 *
36	78.2	134.6	302,100
38	77.3	134.2	275,800
40	76.4	133.6	253,500
42	75.4	133.1	234,400
44	74.5	132.5	217,800
46	73.6	131.9	203,200
48	72.7	131.2	190,400
50	71.7	130.5	178,900
55	69.4	128.7	155,100
60	67.0	126.5	136,500
65	64.5	124.1	121,500
70	62.1	121.5	109,200
75	59.5	118.5	98,800
80	56.9	115.3	90,100
85	54.2	111.7	82,500
90	51.3	107.7	76,000
95	48.4	103.3	70,200
100	45.3	98.4	65,100
105	42.0	92.9	60,600
110	38.5	86.7	56,500
115	34.7	79.7	52,900
120	30.5	71.5	49,500
125	25.6	61.5	46,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
140 Ft. BOOM			
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	326,800 *
36	79.0	144.9	301,800
38	78.2	144.4	275,500
40	77.4	144.0	253,200
42	76.5	143.5	234,000
44	75.7	142.9	217,400
46	74.8	142.3	202,800
48	74.0	141.7	189,900
50	73.1	141.1	178,400
55	70.9	139.4	154,600
60	68.7	137.4	136,000
65	66.5	135.2	121,000
70	64.2	132.8	108,600
75	61.9	130.1	98,300
80	59.5	127.2	89,500
85	57.1	124.0	81,900
90	54.6	120.4	75,400
95	52.0	116.5	69,600
100	49.3	112.2	64,500
105	46.5	107.5	60,000
110	43.5	102.3	55,900
115	40.4	96.5	52,200
120	37.0	90.0	48,900
125	33.4	82.6	45,900
130	29.3	74.0	43,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
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	275,200
40	78.2	154.2	252,800
42	77.4	153.8	233,600
44	76.6	153.3	217,000
46	75.8	152.7	202,400
48	75.1	152.2	189,500
50	74.3	151.6	178,000
55	72.3	150.0	154,200
60	70.2	148.2	135,500
65	68.2	146.2	120,500
70	66.1	143.9	108,100
75	63.9	141.5	97,800
80	61.8	138.8	89,000
85	59.6	135.9	81,400
90	57.3	132.6	74,900
95	55.0	129.1	69,100
100	52.6	125.3	64,000
105	50.1	121.2	59,500
110	47.5	116.6	55,400
115	44.8	111.6	51,700
120	42.0	106.1	48,400
125	38.9	100.0	45,400
130	35.7	93.2	42,600
135	32.2	85.4	40,100
140	28.3	76.5	37,700



Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. 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
160 Ft. BOOM			
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	274,800
40	79.0	164.5	252,400
42	78.2	164.0	233,200
44	77.5	163.6	216,500
46	76.8	163.1	201,900
48	76.0	162.6	189,000
50	75.3	162.0	177,500
55	73.4	160.5	153,700
60	71.5	158.8	135,000
65	69.6	157.0	119,900
70	67.7	154.9	107,500
75	65.7	152.6	97,200
80	63.7	150.2	88,400
85	61.7	147.5	80,800
90	59.6	144.5	74,200
95	57.5	141.3	68,500
100	55.3	137.9	63,400
105	53.1	134.1	58,800
110	50.7	130.1	54,700
115	48.4	125.6	51,100
120	45.9	120.8	47,700
125	43.3	115.6	44,700
130	40.5	109.8	41,900
135	37.6	103.4	39,400
140	34.5	96.2	37,100
145	31.1	88.2	34,900
150	27.3	78.8	32,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
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	252,300
42	78.9	174.3	233,100
44	78.2	173.8	216,400
46	77.5	173.4	201,800
48	76.9	172.9	188,900
50	76.2	172.4	177,400
55	74.4	171.0	153,600
60	72.6	169.4	134,900
65	70.9	167.6	119,800
70	69.1	165.7	107,400
75	67.2	163.6	97,100
80	65.4	161.3	88,200
85	63.5	158.8	80,700
90	61.6	156.1	74,100
95	59.6	153.2	68,300
100	57.6	150.0	63,200
105	55.6	146.6	58,700
110	53.5	142.9	54,600
115	51.3	138.9	50,900
120	49.1	134.6	47,600
125	46.8	129.9	44,600
130	44.4	124.9	41,800
135	41.9	119.3	39,300
140	39.2	113.3	36,900
145	36.4	106.6	34,800
150	33.4	99.2	32,800
155	30.1	90.8	30,900
160	26.5	81.1	29,100

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
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	251,900
42	79.6	184.5	232,700
44	78.9	184.1	216,000
46	78.3	183.6	201,400
48	77.6	183.2	188,400
50	76.9	182.7	176,900
55	75.3	181.4	153,000
60	73.6	179.9	134,300
65	72.0	178.3	119,200
70	70.3	176.5	106,800
75	68.6	174.5	96,500
80	66.8	172.3	87,600
85	65.1	170.0	80,100
90	63.3	167.5	73,500
95	61.5	164.8	67,700
100	59.6	161.8	62,600
105	57.8	158.7	58,100
110	55.8	155.3	54,000
115	53.9	151.7	50,300
120	51.8	147.7	47,000
125	49.8	143.5	43,900
130	47.6	139.0	41,200
135	45.4	134.1	38,600
140	43.1	128.8	36,300
145	40.6	123.0	34,100
150	38.1	116.7	32,100
155	35.4	109.8	30,200
160	32.4	102.1	28,500
165	29.2	93.4	26,900
170	25.7	83.3	25,300



Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. 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
190 Ft. BOOM			
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	215,600
46	78.9	193.9	200,900
48	78.3	193.4	188,000
50	77.6	193.0	176,500
55	76.1	191.7	152,600
60	74.5	190.3	133,800
65	72.9	188.8	118,700
70	71.4	187.1	106,300
75	69.7	185.3	95,900
80	68.1	183.2	87,100
85	66.5	181.1	79,500
90	64.8	178.7	72,900
95	63.1	176.2	67,200
100	61.4	173.4	62,100
105	59.7	170.5	57,500
110	57.9	167.4	53,400
115	56.1	164.0	49,700
120	54.2	160.4	46,400
125	52.3	156.6	43,400
130	50.3	152.4	40,600
135	48.3	148.0	38,100
140	46.2	143.2	35,700
145	44.1	138.1	33,500
150	41.8	132.6	31,500
155	39.5	126.6	29,700
160	37.0	120.0	27,900
165	34.4	112.8	26,300
170	31.5	104.8	24,800
175	28.4	95.8	23,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
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	215,100
46	79.4	204.1	200,500
48	78.9	203.7	187,500
50	78.3	203.2	176,000
55	76.8	202.1	152,000
60	75.3	200.7	133,300
65	73.8	199.3	118,200
70	72.3	197.7	105,700
75	70.8	195.9	95,300
80	69.3	194.0	86,500
85	67.7	192.0	78,900
90	66.2	189.8	72,300
95	64.6	187.4	66,500
100	63.0	184.8	61,400
105	61.3	182.1	56,800
110	59.7	179.2	52,800
115	58.0	176.0	49,100
120	56.3	172.7	45,700
125	54.5	169.1	42,700
130	52.7	165.3	39,900
135	50.9	161.3	37,400
140	49.0	157.0	35,000
145	47.0	152.3	32,900
150	45.0	147.3	30,800
155	42.9	142.0	29,000
160	40.7	136.2	27,200
165	38.4	130.0	25,600
170	36.0	123.2	24,100
175	33.4	115.8	22,600
180	30.7	107.5	21,300
185	27.7	98.3	20,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. BOOM			
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	200,200
48	79.4	213.9	187,300
50	78.8	213.5	175,700
55	77.4	212.3	151,800
60	76.0	211.1	133,000
65	74.6	209.7	117,900
70	73.2	208.2	105,500
75	71.8	206.5	95,100
80	70.3	204.7	86,300
85	68.8	202.8	78,700
90	67.4	200.7	72,100
95	65.9	198.5	66,300
100	64.4	196.1	61,200
105	62.8	193.5	56,600
110	61.3	190.8	52,500
115	59.7	187.8	48,800
120	58.1	184.7	45,500
125	56.4	181.4	42,500
130	54.8	177.9	39,700
135	53.1	174.1	37,100
140	51.3	170.1	34,800
145	49.5	165.9	32,600
150	47.7	161.4	30,600
155	45.8	156.5	28,700
160	43.8	151.3	27,000
165	41.8	145.8	25,400
170	39.7	139.8	23,800
175	37.4	133.4	22,400
180	35.1	126.4	21,100
185	32.6	118.7	19,800
190	29.9	110.2	18,600
195	27.0	100.6	17,500



Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. 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
220 Ft. BOOM			
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	199,800
48	79.9	224.1	186,800
50	79.4	223.7	175,300
55	78.0	222.6	151,300
60	76.7	221.4	132,500
65	75.3	220.1	117,400
70	74.0	218.7	104,900
75	72.6	217.1	94,500
80	71.2	215.4	85,700
85	69.9	213.5	78,100
90	68.5	211.6	71,400
95	67.0	209.4	65,600
100	65.6	207.2	60,500
105	64.2	204.7	56,000
110	62.7	202.2	51,900
115	61.2	199.4	48,200
120	59.7	196.5	44,800
125	58.2	193.4	41,800
130	56.6	190.1	39,000
135	55.0	186.6	36,500
140	53.4	182.9	34,100
145	51.7	179.0	31,900
150	50.1	174.8	29,900
155	48.3	170.4	28,100
160	46.5	165.6	26,300
165	44.7	160.6	24,700
170	42.8	155.2	23,200
175	40.8	149.5	21,700
180	38.7	143.3	20,400
185	36.5	136.6	19,100
190	34.2	129.4	17,900
195	31.8	121.5	16,800
200	29.2	112.7	15,700
205	26.3	102.9	14,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. BOOM			
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	174,800
55	78.6	232.9	150,800
60	77.3	231.7	132,000
65	76.0	230.5	116,800
70	74.7	229.1	104,400
75	73.4	227.6	94,000
80	72.1	226.0	85,100
85	70.8	224.2	77,500
90	69.4	222.3	70,900
95	68.1	220.3	65,100
100	66.7	218.2	60,000
105	65.4	215.9	55,400
110	64.0	213.4	51,300
115	62.6	210.8	47,600
120	61.2	208.1	44,300
125	59.7	205.1	41,200
130	58.3	202.1	38,400
135	56.8	198.8	35,900
140	55.2	195.3	33,500
145	53.7	191.7	31,400
150	52.1	187.8	29,300
155	50.5	183.7	27,500
160	48.9	179.3	25,700
165	47.2	174.7	24,100
170	45.4	169.8	22,600
175	43.6	164.6	21,100
180	41.8	159.0	19,800
185	39.8	153.1	18,500
190	37.8	146.7	17,300
195	35.7	139.8	16,200
200	33.5	132.4	15,100
205	31.1	124.2	14,100
210	28.5	115.2	13,100
215	25.7	105.1	12,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. BOOM			
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	150,300
60	77.8	242.0	131,400
65	76.6	240.8	116,300
70	75.4	239.5	103,800
75	74.1	238.0	93,400
80	72.9	236.5	84,500
85	71.6	234.8	76,900
90	70.3	233.0	70,300
95	69.1	231.1	64,500
100	67.8	229.1	59,300
105	66.5	226.9	54,700
110	65.2	224.6	50,600
115	63.8	222.1	46,900
120	62.5	219.5	43,600
125	61.1	216.7	40,600
130	59.7	213.8	37,800
135	58.3	210.7	35,200
140	56.9	207.5	32,900
145	55.5	204.0	30,700
150	54.0	200.4	28,700
155	52.5	196.6	26,800
160	50.9	192.5	25,000
165	49.4	188.2	23,400
170	47.8	183.7	21,900
175	46.1	178.9	20,400
180	44.4	173.9	19,100
185	42.6	168.5	17,800
190	40.8	162.7	16,600
195	38.9	156.6	15,500
200	37.0	150.0	14,400
205	34.9	142.9	13,400
210	32.7	135.3	12,400
215	30.4	126.9	11,500
220	27.9	117.7	10,600
225	25.1	107.3	9,800



Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. 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
250 Ft. BOOM			
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	151,100
60	78.3	252.2	132,200
65	77.1	251.1	117,100
70	76.0	249.8	104,600
75	74.8	248.5	94,200
80	73.6	247.0	85,300
85	72.4	245.4	77,700
90	71.2	243.7	71,100
95	69.9	241.8	65,300
100	68.7	239.9	60,100
105	67.5	237.8	55,600
110	66.2	235.6	51,500
115	64.9	233.3	47,800
120	63.7	230.8	44,400
125	62.4	228.2	41,400
130	61.1	225.4	38,600
135	59.7	222.5	36,000
140	58.4	219.4	33,700
145	57.0	216.2	31,500
150	55.6	212.7	29,500
155	54.2	209.1	27,600
160	52.8	205.4	25,900
165	51.3	201.4	24,300
170	49.8	197.2	22,700
175	48.3	192.7	21,300
180	46.7	188.0	20,000
185	45.1	183.1	18,700
190	43.4	177.8	17,500
195	41.7	172.2	16,400
200	40.0	166.3	15,300
205	38.1	160.0	14,300
210	36.2	153.2	13,300
215	34.2	146.0	12,400
220	32.0	138.1	11,500
225	29.7	129.5	10,700
230	27.3	120.1	9,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. BOOM			
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	131,700
65	77.6	261.4	116,500
70	76.5	260.1	104,100
75	75.4	258.8	93,600
80	74.2	257.4	84,700
85	73.1	255.9	77,100
90	71.9	254.2	70,500
95	70.7	252.5	64,700
100	69.6	250.6	59,500
105	68.4	248.6	54,900
110	67.2	246.5	50,800
115	66.0	244.3	47,100
120	64.8	241.9	43,800
125	63.5	239.4	40,700
130	62.3	236.8	38,000
135	61.0	234.0	35,400
140	59.8	231.1	33,000
145	58.5	228.1	30,900
150	57.1	224.8	28,800
155	55.8	221.4	27,000
160	54.5	217.9	25,200
165	53.1	214.1	23,600
170	51.7	210.2	22,100
175	50.2	206.0	20,600
180	48.8	201.7	19,300
185	47.3	197.1	18,000
190	45.8	192.2	16,800
195	44.2	187.1	15,700
200	42.6	181.7	14,600
205	40.9	176.0	13,600
210	39.1	169.9	12,600
215	37.3	163.4	11,700
220	35.4	156.4	10,800
225	33.5	149.0	10,000
230	31.4	140.9	9,200
235	29.1	132.1	8,400
240	26.7	122.4	7,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. BOOM			
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	131,200
65	78.1	271.6	116,000
70	77.0	270.4	103,500
75	75.9	269.2	93,100
80	74.8	267.8	84,200
85	73.7	266.4	76,500
90	72.6	264.8	69,900
95	71.5	263.1	64,100
100	70.4	261.3	58,900
105	69.2	259.4	54,400
110	68.1	257.4	50,300
115	66.9	255.3	46,600
120	65.8	253.0	43,200
125	64.6	250.6	40,100
130	63.4	248.1	37,400
135	62.2	245.5	34,800
140	61.0	242.7	32,400
145	59.8	239.8	30,300
150	58.5	236.7	28,200
155	57.3	233.5	26,400
160	56.0	230.1	24,600
165	54.7	226.6	23,000
170	53.4	222.9	21,500
175	52.0	219.0	20,000
180	50.6	214.9	18,700
185	49.2	210.6	17,400
190	47.8	206.1	16,200
195	46.3	201.3	15,100
200	44.8	196.3	14,000
205	43.3	191.1	13,000
210	41.7	185.5	12,000
215	40.1	179.6	11,100
220	38.4	173.3	10,200
225	36.6	166.6	9,400
230	34.8	159.5	8,600
235	32.8	151.9	7,800
240	30.8	143.6	7,100
245	28.6	134.6	6,400
250	26.2	124.7	5,700



Liftcrane Boom Capacities

2250 SERIES 1

Boom No. 44 With Heavy Lift Top
169,200 Lb. 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
280 Ft. BOOM			
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	116,000
70	77.5	280.7	103,500
75	76.4	279.5	93,000
80	75.4	278.2	84,100
85	74.3	276.8	76,400
90	73.2	275.3	69,800
95	72.2	273.7	64,000
100	71.1	271.9	58,800
105	70.0	270.1	54,200
110	68.9	268.2	50,100
115	67.8	266.1	46,400
120	66.7	264.0	43,000
125	65.6	261.7	40,000
130	64.4	259.3	37,200
135	63.3	256.8	34,600
140	62.1	254.1	32,300
145	61.0	251.4	30,100
150	59.8	248.5	28,100
155	58.6	245.4	26,200
160	57.4	242.2	24,400
165	56.1	238.8	22,800
170	54.9	235.3	21,300
175	53.6	231.6	19,800
180	52.3	227.8	18,500
185	51.0	223.7	17,200
190	49.7	219.5	16,000
195	48.3	215.1	14,900
200	46.9	210.4	13,800
205	45.5	205.5	12,800
210	44.0	200.3	11,800
215	42.5	194.9	10,900
220	40.9	189.2	10,000
225	39.3	183.1	9,200
230	37.6	176.7	8,400
235	35.9	169.9	7,600
240	34.1	162.6	6,900
245	32.2	154.7	6,200
250	30.2	146.3	5,500
255	28.0	137.1	4,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
290 Ft. BOOM			
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	115,600
70	77.9	291.0	103,100
75	76.9	289.8	92,600
80	75.9	288.6	83,700
85	74.9	287.2	76,000
90	73.8	285.7	69,400
95	72.8	284.2	63,600
100	71.8	282.5	58,400
105	70.7	280.8	53,800
110	69.7	278.9	49,700
115	68.6	277.0	46,000
120	67.5	274.9	42,600
125	66.5	272.7	39,600
130	65.4	270.4	36,800
135	64.3	268.0	34,200
140	63.2	265.5	31,900
145	62.0	262.8	29,700
150	60.9	260.0	27,600
155	59.8	257.1	25,800
160	58.6	254.1	24,000
165	57.4	250.9	22,400
170	56.3	247.5	20,900
175	55.1	244.0	19,400
180	53.8	240.4	18,100
185	52.6	236.6	16,800
190	51.3	232.6	15,600
195	50.0	228.4	14,500
200	48.7	224.0	13,400
205	47.4	219.4	12,400
210	46.0	214.6	11,400
215	44.6	209.6	10,500
220	43.2	204.3	9,600
225	41.7	198.7	8,800
230	40.2	192.8	8,000
235	38.6	186.6	7,200
240	37.0	180.0	6,500
245	35.3	173.0	5,800
250	33.5	165.5	5,100
255	31.6	157.5	4,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
300 Ft. BOOM			
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	102,500
75	77.4	300.1	92,000
80	76.4	298.9	83,100
85	75.4	297.6	75,400
90	74.4	296.2	68,800
95	73.4	294.7	62,900
100	72.4	293.1	57,800
105	71.4	291.4	53,200
110	70.4	289.6	49,000
115	69.4	287.7	45,300
120	68.3	285.7	42,000
125	67.3	283.6	38,900
130	66.2	281.4	36,100
135	65.2	279.1	33,500
140	64.1	276.7	31,200
145	63.1	274.1	29,000
150	62.0	271.5	27,000
155	60.9	268.7	25,100
160	59.8	265.8	23,300
165	58.7	262.7	21,700
170	57.5	259.6	20,200
175	56.4	256.2	18,700
180	55.2	252.8	17,400
185	54.0	249.1	16,100
190	52.8	245.4	14,900
195	51.6	241.4	13,800
200	50.4	237.3	12,700
205	49.1	233.0	11,700
210	47.8	228.4	10,700
215	46.5	223.7	9,800
220	45.2	218.8	8,900
225	43.8	213.6	8,100
230	42.4	208.1	7,300
235	40.9	202.4	6,500
240	39.5	196.4	5,800
245	37.9	190.0	5,000 *
250	36.3	183.3	4,200 *