



Liftcrane Boom Capacities

Boom No. 22E With Open Throat Top
149,600 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

999 SERIES 1

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 or combination of two single part lines is 29,500 Lbs. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

Weight of jib, all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of main boom load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

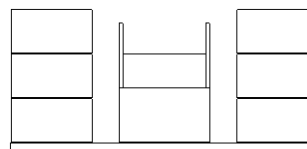
OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with gantry up. Refer to boom rigging **No. 196151** and Wire Rope Specification chart **No. 8391-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, 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. 8392-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 28 Ft. 2 in. 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 149,600 Lb. counterweight.



149,600 Lb. Crane Counterweight
6 Side Boxes - 1 Center Box

Deduct From Capacities When Jib Is Attached	
Jib Length	Jib No. 123
30 Ft.	2,500 Lbs.
40 Ft.	3,100 Lbs.
50 Ft.	3,700 Lbs.
60 Ft.	4,400 Lbs.

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

Auxiliary Drum Deduct

Deduct 4,000 Lbs. from boom capacities when boom butt is equipped with auxiliary drum.

Boom Catwalks Deduct

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



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Maximum Boom And Jib Lengths Lifted Unassisted Without Auxiliary Drum In Boom Butt			
Over End Of Blocked Crawlers		Over Side Of Crawlers	
Boom Length	Jib No. 123	Boom Length	Jib No. 123
(a)(b) 260 Ft.	—	220 Ft.	—
(a) 250 Ft.	—	210 Ft.	40 Ft.
240 Ft.	—	200 Ft.	60 Ft.
230 Ft.	40 Ft.		
(b) 230 Ft.	50 Ft.		
220 Ft.	60 Ft.		
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 260 Ft. and 250 Ft. boom. Wire rope guide assembly No. 179061 upper and middle sheaves and shafts or assembly No. 92671 upper sheave and shaft must be removed on 260 Ft. boom when lifted over end of blocked crawlers. (b) When boom catwalks are attached, machine must be equipped with optional lowerworks jacking cylinders.			

Maximum Boom and Jib Lengths Lifted Unassisted With Auxiliary Drum In Boom Butt			
Over End Of Blocked Crawlers		Over Side Of Crawlers	
Boom Length	Jib No. 123	Boom Length	Jib No. 123
(a) 250 Ft.	—	220 Ft.	—
240 Ft.	—	210 Ft.	30 Ft.
230 Ft.	40 Ft.	200 Ft.	60 Ft.
220 Ft.	60 Ft.		
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 250 Ft. boom.			



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. BOOM			
15	81.8	77.4	434,000 *
16	81.0	77.2	408,900 *
17	80.1	77.0	386,500 *
18	79.3	76.9	366,300 *
19	78.5	76.7	348,000 *
20	77.6	76.4	331,500 *
22	75.9	76.0	302,400 *
24	74.3	75.4	277,900 *
26	72.5	74.8	242,700
28	70.8	74.2	214,500
30	69.1	73.5	191,900
32	67.3	72.7	173,400
34	65.5	71.8	158,000
36	63.7	70.8	145,000
38	61.9	69.8	133,800
40	60.0	68.7	124,200
42	58.1	67.5	115,700
44	56.1	66.2	108,200
46	54.1	64.8	101,500
48	52.1	63.3	95,600
50	50.0	61.7	90,200
55	44.4	57.1	78,800
60	38.2	51.4	69,700
65	31.0	44.1	62,200
70	21.8	34.0	55,900
80 Ft. BOOM			
17	81.4	87.2	385,800 *
18	80.6	87.0	365,600 *
19	79.9	86.8	347,400 *
20	79.2	86.7	330,800 *
22	77.7	86.2	301,800 *
24	76.3	85.8	277,300 *
26	74.8	85.3	243,000
28	73.3	84.7	214,700
30	71.8	84.1	192,000
32	70.3	83.4	173,500
34	68.7	82.6	158,100
36	67.2	81.8	145,000
38	65.6	80.9	133,800
40	64.1	80.0	124,100
42	62.5	79.0	115,600
44	60.8	77.9	108,100
46	59.2	76.8	101,400
48	57.5	75.5	95,500
50	55.8	74.2	90,100
55	51.3	70.5	78,700
60	46.6	66.2	69,600
65	41.4	61.0	62,100
70	35.7	54.7	55,900
75	29.0	46.8	50,600
80	20.4	35.9	45,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. BOOM			
18	81.7	97.1	364,900 *
19	81.1	97.0	346,600 *
20	80.4	96.8	330,100 *
22	79.1	96.4	301,100 *
24	77.8	96.0	276,500 *
26	76.5	95.6	243,100
28	75.2	95.1	214,700
30	73.9	94.5	192,100
32	72.5	93.9	173,500
34	71.2	93.3	158,000
36	69.9	92.6	144,900
38	68.5	91.8	133,700
40	67.1	91.0	124,000
42	65.7	90.1	115,400
44	64.3	89.2	107,900
46	62.9	88.2	101,200
48	61.5	87.1	95,200
50	60.0	86.0	89,900
55	56.3	82.9	78,500
60	52.3	79.3	69,300
65	48.2	75.2	61,900
70	43.8	70.3	55,600
75	38.9	64.6	50,300
80	33.6	57.8	45,800
85	27.3	49.3	41,800
90	19.2	37.6	38,300
100 Ft. BOOM			
19	82.0	107.1	346,200 *
20	81.4	106.9	329,600 *
22	80.2	106.6	300,600 *
24	79.0	106.2	276,100 *
26	77.9	105.8	243,400
28	76.7	105.4	215,000
30	75.5	104.9	192,200
32	74.3	104.4	173,600
34	73.1	103.8	158,100
36	71.9	103.1	145,000
38	70.7	102.5	133,700
40	69.5	101.7	123,900
42	68.3	101.0	115,400
44	67.0	100.2	107,900
46	65.8	99.3	101,200
48	64.5	98.4	95,200
50	63.3	97.4	89,700
55	60.0	94.7	78,300
60	56.6	91.6	69,200
65	53.1	88.1	61,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. BOOM			
70	49.5	84.1	55,500
75	45.6	79.5	50,200
80	41.4	74.2	45,600
85	36.9	68.1	41,600
90	31.8	60.7	38,200
95	25.8	51.7	35,100
100	18.2	39.3	32,300
110 Ft. BOOM			
22	81.1	116.7	299,700 *
24	80.1	116.4	275,200 *
26	79.0	116.0	243,400
28	77.9	115.6	214,900
30	76.9	115.2	192,100
32	75.8	114.7	173,400
34	74.7	114.2	157,900
36	73.6	113.6	144,700
38	72.5	113.0	133,400
40	71.4	112.4	123,700
42	70.3	111.7	115,100
44	69.2	110.9	107,500
46	68.1	110.1	100,800
48	67.0	109.3	94,800
50	65.9	108.4	89,400
55	63.0	106.0	78,000
60	60.0	103.3	68,800
65	56.9	100.3	61,300
70	53.8	96.8	55,100
75	50.5	92.9	49,800
80	47.0	88.5	45,200
85	43.3	83.6	41,300
90	39.4	77.9	37,800
95	35.1	71.3	34,700
100	30.3	63.5	32,000
105	24.6	53.9	29,500
110	17.3	40.9	27,200



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. BOOM			
22	81.9	126.9	299,100 *
24	80.9	126.6	274,500 *
26	79.9	126.2	243,200
28	78.9	125.8	214,700
30	78.0	125.4	191,900
32	77.0	125.0	173,200
34	76.0	124.5	157,600
36	75.0	124.0	144,500
38	74.0	123.4	133,200
40	73.0	122.9	123,400
42	72.0	122.2	114,800
44	71.0	121.6	107,300
46	70.0	120.8	100,500
48	69.0	120.1	94,500
50	68.0	119.3	89,100
55	65.4	117.2	77,700
60	62.7	114.7	68,500
65	60.0	112.0	61,000
70	57.2	108.9	54,800
75	54.3	105.5	49,500
80	51.3	101.7	44,900
85	48.2	97.5	41,000
90	44.9	92.8	37,500
95	41.4	87.4	34,400
100	37.7	81.4	31,700
105	33.6	74.4	29,300
110	29.0	66.2	27,000
115	23.6	56.0	25,000
120	16.6	42.3	23,100
130 Ft. BOOM			
24	81.6	136.7	274,200 *
26	80.7	136.4	243,400
28	79.8	136.0	214,800
30	78.9	135.6	192,000
32	78.0	135.2	173,300
34	77.1	134.8	157,700
36	76.2	134.3	144,500
38	75.3	133.8	133,200
40	74.4	133.3	123,400
42	73.5	132.7	114,800
44	72.5	132.1	107,200
46	71.6	131.4	100,500
48	70.7	130.8	94,500
50	69.7	130.0	89,000
55	67.4	128.1	77,600
60	65.0	125.9	68,400
65	62.5	123.4	60,900
70	60.0	120.7	54,700
75	57.4	117.6	49,400
80	54.8	114.3	44,800

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. BOOM			
85	52.0	110.5	40,900
90	49.2	106.4	37,400
95	46.2	101.9	34,400
100	43.0	96.8	31,600
105	39.7	91.1	29,200
110	36.1	84.7	27,000
115	32.2	77.4	25,000
120	27.8	68.7	23,100
125	22.6	58.1	21,500
130	15.9	43.8	19,900
140 Ft. BOOM			
26	81.4	146.5	243,200
28	80.5	146.2	214,600
30	79.7	145.8	191,700
32	78.9	145.4	173,000
34	78.0	145.0	157,400
36	77.2	144.6	144,200
38	76.4	144.1	132,900
40	75.5	143.6	123,100
42	74.7	143.1	114,500
44	73.8	142.5	106,900
46	73.0	141.9	100,200
48	72.1	141.3	94,100
50	71.3	140.6	88,700
55	69.1	138.8	77,300
60	66.9	136.8	68,100
65	64.6	134.6	60,600
70	62.3	132.1	54,300
75	60.0	129.3	49,000
80	57.6	126.3	44,500
85	55.2	123.0	40,500
90	52.6	119.3	37,100
95	50.0	115.3	34,000
100	47.3	110.9	31,300
105	44.4	106.0	28,900
110	41.4	100.7	26,700
115	38.2	94.7	24,700
120	34.8	87.9	22,800
125	31.0	80.2	21,200
130	26.8	71.1	19,600
135	21.8	60.0	18,200
140	15.4	45.2	16,900

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. BOOM			
26	82.0	156.6	240,500 *
28	81.2	156.3	214,500
30	80.4	156.0	191,600
32	79.6	155.6	172,800
34	78.9	155.2	157,200
36	78.1	154.8	143,900
38	77.3	154.4	132,600
40	76.5	153.9	122,800
42	75.7	153.4	114,100
44	74.9	152.9	106,600
46	74.1	152.4	99,800
48	73.3	151.8	93,800
50	72.5	151.2	88,300
55	70.5	149.5	76,800
60	68.5	147.6	67,700
65	66.4	145.5	60,100
70	64.3	143.3	53,900
75	62.2	140.7	48,500
80	60.0	138.0	44,000
85	57.8	135.0	40,000
90	55.5	131.7	36,600
95	53.1	128.1	33,500
100	50.7	124.2	30,800
105	48.2	119.9	28,400
110	45.6	115.2	26,200
115	42.8	110.0	24,200
120	39.9	104.4	22,300
125	36.9	98.1	20,700
130	33.6	91.0	19,200
135	29.9	82.9	17,700
140	25.8	73.5	16,400
145	21.0	61.9	15,200



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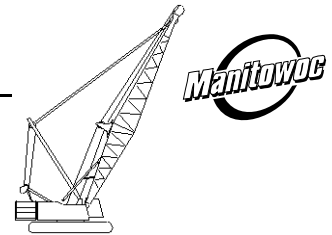
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999 SERIES 1

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. BOOM			
28	81.7	166.4	214,200
30	81.0	166.1	191,300
32	80.3	165.8	172,500
34	79.6	165.4	156,800
36	78.8	165.0	143,600
38	78.1	164.6	132,200
40	77.4	164.2	122,400
42	76.6	163.7	113,800
44	75.9	163.2	106,200
46	75.2	162.7	99,400
48	74.4	162.2	93,400
50	73.7	161.6	87,900
55	71.8	160.1	76,400
60	69.9	158.3	67,300
65	68.0	156.4	59,700
70	66.0	154.3	53,500
75	64.1	151.9	48,100
80	62.0	149.4	43,600
85	60.0	146.6	39,600
90	57.9	143.6	36,200
95	55.8	140.4	33,100
100	53.6	136.8	30,400
105	51.3	133.0	28,000
110	49.0	128.8	25,800
115	46.6	124.3	23,800
120	44.0	119.3	22,000
125	41.4	113.9	20,300
130	38.6	107.9	18,800
135	35.7	101.3	17,400
140	32.5	93.9	16,100
145	29.0	85.5	14,800
150	25.0	75.7	13,700
155	20.4	63.7	12,600
170 Ft. BOOM			
30	81.5	176.2	191,100
32	80.9	175.9	172,300
34	80.2	175.6	156,600
36	79.5	175.2	143,400
38	78.8	174.8	132,000
40	78.1	174.4	122,200
42	77.4	174.0	113,500
44	76.7	173.5	105,900
46	76.0	173.1	99,200
48	75.3	172.5	93,100
50	74.7	172.0	87,700
55	72.9	170.5	76,200
60	71.1	168.9	67,000
65	69.3	167.1	59,500
70	67.5	165.2	53,200
75	65.7	163.0	47,900
80	63.8	160.6	43,300
85	61.9	158.1	39,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. BOOM			
90	60.0	155.3	35,900
95	58.0	152.3	32,800
100	56.0	149.0	30,100
105	54.0	145.5	27,700
110	51.9	141.8	25,500
115	49.7	137.7	23,500
120	47.4	133.3	21,700
125	45.1	128.5	20,000
130	42.7	123.3	18,500
135	40.1	117.6	17,100
140	37.4	111.4	15,800
145	34.6	104.5	14,600
150	31.5	96.8	13,500
155	28.1	88.1	12,400
160	24.2	77.9	11,400
165	19.7	65.5	10,500
180 Ft. BOOM			
30	82.0	186.3	190,800
32	81.4	186.0	172,000
34	80.7	185.7	156,300
36	80.1	185.4	143,000
38	79.4	185.0	131,700
40	78.8	184.6	121,800
42	78.1	184.2	113,200
44	77.5	183.8	105,600
46	76.8	183.3	98,800
48	76.2	182.9	92,700
50	75.5	182.4	87,300
55	73.9	181.0	75,800
60	72.2	179.5	66,600
65	70.5	177.8	59,100
70	68.8	175.9	52,800
75	67.1	173.9	47,500
80	65.4	171.7	42,900
85	63.6	169.3	38,900
90	61.8	166.7	35,500
95	60.0	164.0	32,400
100	58.1	161.0	29,700
105	56.3	157.7	27,300
110	54.3	154.3	25,100
115	52.3	150.5	23,100
120	50.3	146.5	21,300
125	48.2	142.2	19,600
130	46.0	137.6	18,100
135	43.8	132.6	16,700
140	41.4	127.1	15,400

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. BOOM			
145	38.9	121.2	14,200
150	36.3	114.7	13,100
155	33.6	107.6	12,000
160	30.6	99.6	11,100
165	27.3	90.5	10,100
170	23.6	80.0	9,300
175	19.2	67.2	8,500
190 Ft. BOOM			
32	81.8	196.1	171,800
34	81.2	195.8	156,100
36	80.6	195.5	142,800
38	80.0	195.2	131,400
40	79.4	194.8	121,500
42	78.8	194.4	112,900
44	78.2	194.0	105,200
46	77.5	193.6	98,500
48	76.9	193.1	92,400
50	76.3	192.7	86,900
55	74.7	191.4	75,400
60	73.2	189.9	66,200
65	71.6	188.3	58,600
70	70.0	186.6	52,300
75	68.4	184.7	47,000
80	66.8	182.6	42,400
85	65.1	180.4	38,500
90	63.4	178.0	35,000
95	61.7	175.4	31,900
100	60.0	172.6	29,200
105	58.2	169.6	26,800
110	56.5	166.4	24,600
115	54.6	163.0	22,600
120	52.8	159.3	20,800
125	50.8	155.4	19,100
130	48.9	151.2	17,600
135	46.8	146.6	16,200
140	44.7	141.8	14,900
145	42.5	136.5	13,700
150	40.3	130.8	12,600
155	37.9	124.7	11,500
160	35.3	118.0	10,600
165	32.6	110.5	9,600
170	29.7	102.3	8,800
175	26.5	92.9	8,000
180	22.9	82.1	7,200
185	18.7	68.9	6,400



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149,600 Lb. Counterweight
360 Degree Rating

**Meets
ANSI B30.5
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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. BOOM			
34	81.7	206.0	155,700
36	81.1	205.7	142,400
38	80.5	205.3	131,000
40	79.9	205.0	121,100
42	79.3	204.6	112,500
44	78.8	204.2	104,800
46	78.2	203.8	98,000
48	77.6	203.4	92,000
50	77.0	202.9	86,500
55	75.5	201.7	75,000
60	74.0	200.4	65,700
65	72.5	198.9	58,200
70	71.0	197.2	51,900
75	69.5	195.4	46,500
80	68.0	193.5	42,000
85	66.4	191.4	38,000
90	64.8	189.1	34,500
95	63.3	186.7	31,500
100	61.6	184.1	28,700
105	60.0	181.3	26,300
110	58.3	178.3	24,100
115	56.6	175.1	22,100
120	54.9	171.7	20,300
125	53.1	168.1	18,700
130	51.3	164.2	17,100
135	49.5	160.1	15,700
140	47.5	155.6	14,400
145	45.6	150.9	13,200
150	43.5	145.8	12,100
155	41.4	140.4	11,100
160	39.2	134.5	10,100
165	36.9	128.1	9,200
170	34.4	121.1	8,300
175	31.8	113.4	7,500
180	29.0	104.9	6,800
185	25.8	95.2	6,000
190	22.3	84.1	5,300
195	18.2	70.5	4,700
210 Ft. BOOM			
36	81.5	215.8	142,100
38	81.0	215.5	130,700
40	80.4	215.1	120,800
42	79.9	214.8	112,200
44	79.3	214.4	104,500
46	78.7	214.0	97,700
48	78.2	213.6	91,700
50	77.6	213.2	86,200
55	76.2	212.0	74,600
60	74.8	210.7	65,400
65	73.4	209.3	57,800
70	72.0	207.8	51,500
75	70.5	206.1	46,200

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. BOOM			
80	69.1	204.2	41,600
85	67.6	202.2	37,700
90	66.1	200.1	34,200
95	64.6	197.8	31,100
100	63.1	195.4	28,400
105	61.6	192.7	26,000
110	60.0	189.9	23,800
115	58.4	187.0	21,800
120	56.8	183.8	20,000
125	55.2	180.4	18,300
130	53.5	176.8	16,800
135	51.8	173.0	15,400
140	50.0	168.9	14,100
145	48.2	164.6	12,900
150	46.3	160.0	11,800
155	44.4	155.0	10,800
160	42.4	149.8	9,800
165	40.4	144.1	8,900
170	38.2	138.0	8,000
175	36.0	131.4	7,200
180	33.6	124.2	6,500
185	31.0	116.2	5,700
190	28.2	107.4	5,000
195	25.2	97.5	4,400
220 Ft. BOOM			
36	81.9	225.9	141,800
38	81.4	225.6	130,300
40	80.8	225.3	120,400
42	80.3	224.9	111,800
44	79.8	224.6	104,100
46	79.3	224.2	97,300
48	78.7	223.8	91,300
50	78.2	223.4	85,800
55	76.9	222.3	74,200
60	75.5	221.1	65,000
65	74.2	219.7	57,400
70	72.8	218.2	51,100
75	71.4	216.6	45,800
80	70.1	214.9	41,200
85	68.7	213.0	37,200
90	67.3	211.0	33,700
95	65.9	208.8	30,700
100	64.4	206.5	28,000
105	63.0	204.0	25,500
110	61.5	201.4	23,300
115	60.0	198.6	21,300
120	58.5	195.6	19,500
125	56.9	192.5	17,900
130	55.4	189.1	16,300
135	53.8	185.6	14,900
140	52.1	181.8	13,700
145	50.5	177.8	12,500

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. BOOM			
150	48.8	173.5	11,300
155	47.0	169.0	10,300
160	45.2	164.2	9,300
165	43.3	159.1	8,400
170	41.4	153.6	7,600
175	39.4	147.7	6,800
180	37.3	141.4	6,000
185	35.1	134.6	5,300
190	32.8	127.1	4,600
195	30.3	119.0	4,000
230 Ft. BOOM			
38	81.8	235.7	130,100
40	81.2	235.4	120,200
42	80.7	235.1	111,500
44	80.2	234.7	103,800
46	79.7	234.4	97,000
48	79.2	234.0	90,900
50	78.7	233.6	85,400
55	77.4	232.6	73,800
60	76.2	231.4	64,600
65	74.9	230.1	57,000
70	73.6	228.7	50,700
75	72.3	227.2	45,300
80	71.0	225.5	40,700
85	69.6	223.7	36,700
90	68.3	221.8	33,300
95	67.0	219.7	30,200
100	65.6	217.5	27,500
105	64.2	215.2	25,000
110	62.8	212.7	22,800
115	61.4	210.1	20,800
120	60.0	207.3	19,000
125	58.6	204.3	17,300
130	57.1	201.1	15,800
135	55.6	197.8	14,400
140	54.1	194.3	13,100
145	52.5	190.6	11,900
150	50.9	186.6	10,800
155	49.3	182.4	9,800
160	47.6	178.0	8,800
165	45.9	173.3	7,900
170	44.2	168.3	7,000
175	42.3	163.0	6,200
180	40.5	157.3	5,500
185	38.5	151.2	4,800
190	36.5	144.7	4,100



Liftcrane Boom Capacities

Boom No. 22E With Open Throat Top
149,600 Lb. Counterweight
360 Degree Rating

Meets
ANSI B30.5
Requirements

999 SERIES 1

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. BOOM			
40	81.6	245.5	119,900
42	81.1	245.2	111,200
44	80.6	244.9	103,500
46	80.2	244.5	96,700
48	79.7	244.2	90,600
50	79.2	243.8	85,100
55	78.0	242.8	73,500
60	76.8	241.7	64,200
65	75.5	240.4	56,600
70	74.3	239.1	50,300
75	73.0	237.6	44,900
80	71.8	236.0	40,300
85	70.5	234.3	36,300
90	69.3	232.5	32,900
95	68.0	230.6	29,800
100	66.7	228.5	27,000
105	65.4	226.2	24,600
110	64.1	223.9	22,400
115	62.7	221.4	20,400
120	61.4	218.7	18,600
125	60.0	215.9	16,900
130	58.6	212.9	15,400
135	57.2	209.8	14,000
140	55.8	206.5	12,700
145	54.3	203.0	11,500
150	52.8	199.3	10,400
155	51.3	195.4	9,400
160	49.8	191.3	8,400
165	48.2	187.0	7,500
170	46.6	182.4	6,600
175	44.9	177.5	5,800
180	43.2	172.3	5,100
185	41.4	166.8	4,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. BOOM			
40	82.0	255.6	110,900 *
42	81.5	255.3	110,500 *
44	81.0	255.0	103,200
46	80.6	254.7	96,300
48	80.1	254.3	90,200
50	79.6	254.0	84,700
55	78.5	253.0	73,100
60	77.3	251.9	63,800
65	76.1	250.8	56,200
70	74.9	249.5	49,900
75	73.7	248.1	44,500
80	72.5	246.6	39,900
85	71.3	244.9	36,000
90	70.1	243.2	32,500
95	68.9	241.3	29,400
100	67.7	239.3	26,700
105	66.4	237.2	24,200
110	65.2	235.0	22,000
115	63.9	232.6	20,000
120	62.6	230.0	18,200
125	61.3	227.4	16,500
130	60.0	224.6	15,000
135	58.7	221.6	13,600
140	57.3	218.5	12,300
145	55.9	215.2	11,100
150	54.5	211.7	10,000
155	53.1	208.1	9,000
160	51.7	204.2	8,000
165	50.2	200.2	7,100
170	48.7	195.9	6,200
175	47.2	191.4	5,400
180	45.6	186.6	4,700
185	43.9	181.6	4,000

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. BOOM			
42	81.8	265.4	101,000 *
44	81.4	265.1	100,600 *
46	80.9	264.8	95,900
48	80.5	264.5	89,800
50	80.0	264.1	84,300
55	78.9	263.2	72,700
60	77.8	262.2	63,400
65	76.7	261.1	55,800
70	75.5	259.8	49,400
75	74.4	258.5	44,100
80	73.2	257.0	39,500
85	72.1	255.5	35,500
90	70.9	253.8	32,000
95	69.7	252.0	28,900
100	68.6	250.1	26,200
105	67.4	248.1	23,700
110	66.2	245.9	21,500
115	65.0	243.7	19,500
120	63.7	241.3	17,700
125	62.5	238.7	16,100
130	61.3	236.0	14,500
135	60.0	233.2	13,100
140	58.7	230.3	11,800
145	57.4	227.2	10,600
150	56.1	223.9	9,500
155	54.8	220.4	8,500
160	53.4	216.8	7,500
165	52.0	213.0	6,600
170	50.6	209.0	5,800
175	49.2	204.8	5,000
180	47.7	200.4	4,200