

Liftcrane Boom Capacities

888 SERIES 2

Meets
ANSI B30.5
Requirements

Boom No. 22EL
179,100 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
28 Ft. 2 in. Crawlers Extended
Rating Over Front Of Blocked Crawlers
No Travel - Limited Swing

LIFTING CAPACITIES: Capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load over front of machine with crawlers extended and blocked. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 12,500 Lb. minimum weight.

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

250 Ft. thru 290 Ft. boom lengths require only the middle two sheaves in lower boom point. All other sheaves must be removed from lower boom point.

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

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with

gantry up, crawlers fully extended, and front tumbler properly blocked so that centerline of idler tumbler becomes tipping fulcrum. Drive motors must be to rear of machine. Swing is limited to that sector shown on Operating Range Diagram **No. 7770-A**. Refer to boom rigging **No. 177156** or **No. 177353** and Wire Rope Specification chart **No. 7810-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

BOOM POINT ELEVATION: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 28 Ft. 2 in. extendible crawlers, 48 in. treads, 10 Ft. 3 in. retractable gantry, 30 Ft. live mast, 20 part boom hoist reeving, four 1-3/8 in. boom pendants, 179,100 Lb. crane counterweight and 44,000 Lb. carbody counterweight.

Maximum Boom and Jib Lengths Lifted Unassisted Over Front of Blocked Crawlers	
Boom Length	Jib No. 134
(a) 290 Ft.	—
280 Ft.	—
270 Ft.	—
260 Ft.	50 Ft.
250 Ft.	80 Ft.
Load block, hook and weight ball on ground at start. (a) Upper boom point cannot be used on 290 Ft. boom.	

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

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



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
70 Ft. Boom			
16	82.8	77.2	441,000 *b
17	82.0	77.1	408,300 *b
18	81.1	76.9	386,800 *b
19	80.3	76.7	367,400 *b
20	79.5	76.5	349,800 *b
22	77.8	76.0	319,000 *b
24	76.1	75.5	293,000 *b
26	74.4	74.9	270,700 *
28	72.7	74.2	251,400 *
30	70.9	73.5	234,400 *
32	69.2	72.7	219,500 *
34	67.4	71.8	206,300 *
36	65.6	70.9	194,400 *
38	63.7	69.8	183,700 *
40	61.9	68.7	174,100 *
42	60.0	67.5	165,300 *
44	58.0	66.2	157,200 *
46	56.0	64.8	149,900 *
48	54.0	63.4	143,100 *
50	51.9	61.7	136,800 *
55	46.3	57.1	123,100 *
60	40.1	51.4	109,200 *
65	32.9	44.2	97,100 *
70	23.7	34.1	76,400 *
80 Ft. Boom			
17	83.0	87.2	405,400 *b
18	82.3	87.0	386,000 *b
19	81.5	86.9	366,700 *b
20	80.8	86.7	349,100 *b
22	79.3	86.3	318,300 *b
24	77.9	85.8	292,200 *b
26	76.4	85.3	270,000 *
28	74.9	84.7	250,600 *
30	73.4	84.1	233,700 *
32	71.9	83.4	218,800 *
34	70.4	82.7	205,600 *
36	68.8	81.9	193,700 *
38	67.3	81.0	183,100 *
40	65.7	80.0	173,400 *
42	64.1	79.0	164,600 *
44	62.4	78.0	156,600 *
46	60.8	76.8	149,300 *
48	59.1	75.6	142,500 *
50	57.4	74.3	136,200 *
55	52.9	70.6	122,500 *
60	48.2	66.2	109,300 *
65	43.0	61.0	97,500 *
70	37.3	54.8	87,700 *
75	30.6	46.9	79,400 *
80	22.0	36.0	65,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
90 Ft. Boom			
19	82.5	97.0	365,000 *b
20	81.8	96.8	348,600 *b
22	80.5	96.5	317,800 *b
24	79.2	96.1	291,800 *b
26	77.9	95.6	269,500 *
28	76.6	95.1	250,200 *
30	75.3	94.6	233,300 *
32	74.0	94.0	218,400 *
34	72.6	93.3	205,100 *
36	71.3	92.6	193,300 *
38	69.9	91.8	182,600 *
40	68.6	91.0	173,000 *
42	67.2	90.1	164,200 *
44	65.8	89.2	156,200 *
46	64.3	88.2	148,900 *
48	62.9	87.2	142,100 *
50	61.4	86.0	135,900 *
55	57.7	82.9	122,200 *
60	53.8	79.3	109,400 *
65	49.6	75.2	97,600 *
70	45.2	70.4	87,800 *
75	40.4	64.7	79,500 *
80	35.0	57.9	72,500 *
85	28.7	49.4	66,300 *
90	20.7	37.7	57,100 *
100 Ft. Boom			
20	82.7	107.0	348,200 *b
22	81.5	106.6	317,500 *b
24	80.3	106.3	291,500 *b
26	79.2	105.9	269,200 *
28	78.0	105.4	249,900 *
30	76.8	104.9	233,000 *
32	75.6	104.4	218,100 *
34	74.4	103.8	204,900 *
36	73.2	103.2	193,000 *
38	72.0	102.5	182,400 *
40	70.8	101.8	172,800 *
42	69.6	101.0	164,000 *
44	68.3	100.2	156,000 *
46	67.1	99.3	148,700 *
48	65.8	98.4	141,900 *
50	64.6	97.4	135,700 *
55	61.3	94.7	122,000 *
60	57.9	91.6	109,600 *
65	54.4	88.1	97,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
100 Ft. Boom			
70	50.8	84.1	87,900 *
75	46.9	79.5	79,700 *
80	42.7	74.3	72,700 *
85	38.2	68.1	66,600 *
90	33.1	60.8	61,200 *
95	27.2	51.7	56,500 *
100	19.5	39.4	49,500 *
110 Ft. Boom			
22	82.3	116.8	316,900 *
24	81.2	116.4	290,900 *
26	80.2	116.1	268,600 *
28	79.1	115.7	249,300 *
30	78.0	115.2	232,400 *
32	77.0	114.7	217,500 *
34	75.9	114.2	204,300 *
36	74.8	113.6	192,400 *
38	73.7	113.0	181,800 *
40	72.6	112.4	172,200 *
42	71.5	111.7	163,400 *
44	70.4	110.9	155,400 *
46	69.3	110.2	148,100 *
48	68.2	109.3	141,300 *
50	67.0	108.5	135,100 *
55	64.1	106.1	121,400 *
60	61.2	103.4	109,500 *
65	58.1	100.3	97,600 *
70	55.0	96.8	87,800 *
75	51.7	93.0	79,500 *
80	48.2	88.6	72,500 *
85	44.5	83.6	66,400 *
90	40.6	77.9	61,100 *
95	36.3	71.4	56,400 *
100	31.5	63.6	52,200 *
105	25.8	54.0	48,500 *
110	18.6	40.9	42,300 *

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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
120 Ft. Boom			
22	82.9	126.9	309,900 *
24	82.0	126.6	290,400 *
26	81.0	126.2	268,100 *
28	80.0	125.9	248,800 *
30	79.1	125.5	232,000 *
32	78.1	125.0	217,100 *
34	77.1	124.5	203,800 *
36	76.1	124.0	192,000 *
38	75.1	123.5	181,400 *
40	74.1	122.9	171,700 *
42	73.1	122.2	163,000 *
44	72.1	121.6	155,000 *
46	71.1	120.9	147,700 *
48	70.1	120.1	140,900 *
50	69.1	119.3	134,700 *
55	66.5	117.2	121,100 *
60	63.8	114.7	109,400 *
65	61.1	112.0	97,500 *
70	58.3	109.0	87,700 *
75	55.4	105.6	79,500 *
80	52.4	101.8	72,400 *
85	49.3	97.5	66,300 *
90	46.0	92.8	61,000 *
95	42.5	87.5	56,400 *
100	38.7	81.4	52,200 *
105	34.6	74.4	48,500 *
110	30.0	66.2	45,100 *
115	24.7	56.1	42,000 *
120	17.7	42.4	36,500 *
130 Ft. Boom			
24	82.6	136.7	285,200 *
26	81.7	136.4	267,800 *
28	80.8	136.0	248,600 *
30	79.9	135.7	231,700 *
32	79.0	135.3	216,800 *
34	78.1	134.8	203,600 *
36	77.2	134.3	191,800 *
38	76.3	133.8	181,100 *
40	75.4	133.3	171,500 *
42	74.5	132.7	162,700 *
44	73.5	132.1	154,800 *
46	72.6	131.5	147,400 *
48	71.7	130.8	140,700 *
50	70.7	130.1	134,500 *
55	68.4	128.1	120,800 *
60	66.0	125.9	109,400 *
65	63.5	123.4	97,600 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
130 Ft. Boom			
70	61.0	120.7	87,700 *
75	58.4	117.6	79,500 *
80	55.8	114.3	72,400 *
85	53.0	110.6	66,400 *
90	50.2	106.5	61,100 *
95	47.2	101.9	56,400 *
100	44.0	96.8	52,200 *
105	40.7	91.2	48,500 *
110	37.1	84.8	45,200 *
115	33.2	77.4	42,200 *
120	28.8	68.7	39,400 *
125	23.6	58.1	36,500 *
130	17.0	43.8	31,800 *
140 Ft. Boom			
26	82.3	146.5	267,300 *
28	81.5	146.2	248,000 *
30	80.6	145.8	231,200 *
32	79.8	145.5	216,300 *
34	79.0	145.1	203,100 *
36	78.1	144.6	191,300 *
38	77.3	144.1	180,600 *
40	76.4	143.6	171,000 *
42	75.6	143.1	162,200 *
44	74.7	142.5	154,300 *
46	73.9	141.9	146,900 *
48	73.0	141.3	140,200 *
50	72.2	140.7	134,000 *
55	70.0	138.9	120,400 *
60	67.8	136.8	108,900 *
65	65.5	134.6	97,400 *
70	63.3	132.1	87,600 *
75	60.9	129.3	79,300 *
80	58.5	126.3	72,200 *
85	56.1	123.0	66,200 *
90	53.5	119.3	60,900 *
95	50.9	115.3	56,200 *
100	48.2	110.9	52,100 *
105	45.3	106.1	48,400 *
110	42.3	100.7	45,000 *
115	39.1	94.7	42,000 *
120	35.7	87.9	39,300 *
125	31.9	80.2	36,800 *
130	27.7	71.2	34,400 *
135	22.7	60.1	31,600 *
140	16.3	45.2	27,500 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
150 Ft. Boom			
26	82.8	156.6	244,200 *
28	82.0	156.3	238,700 *
30	81.3	156.0	230,500 *
32	80.5	155.6	215,600 *
34	79.7	155.3	202,400 *
36	78.9	154.8	190,500 *
38	78.2	154.4	179,900 *
40	77.4	153.9	170,300 *
42	76.6	153.5	161,500 *
44	75.8	152.9	153,600 *
46	75.0	152.4	146,200 *
48	74.2	151.8	139,500 *
50	73.4	151.2	133,300 *
55	71.4	149.5	119,700 *
60	69.4	147.6	108,200 *
65	67.3	145.6	97,100 *
70	65.2	143.3	87,300 *
75	63.0	140.8	79,000 *
80	60.9	138.0	71,900 *
85	58.6	135.0	65,800 *
90	56.3	131.7	60,500 *
95	54.0	128.1	55,800 *
100	51.6	124.2	51,700 *
105	49.1	119.9	48,000 *
110	46.4	115.2	44,700 *
115	43.7	110.1	41,700 *
120	40.8	104.4	38,900 *
125	37.7	98.1	36,400 *
130	34.4	91.0	34,100 *
135	30.8	82.9	32,000 *
140	26.7	73.5	30,000 *
145	21.9	62.0	27,000 *
150	15.7	46.5	23,300 *



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
160 Ft. Boom			
28	82.5	166.4	228,900 *
30	81.8	166.1	223,800 *
32	81.1	165.8	215,000 *
34	80.4	165.4	201,800 *
36	79.6	165.1	190,000 *
38	78.9	164.6	179,300 *
40	78.2	164.2	169,700 *
42	77.4	163.7	161,000 *
44	76.7	163.3	153,000 *
46	76.0	162.7	145,700 *
48	75.2	162.2	138,900 *
50	74.5	161.6	132,700 *
55	72.6	160.1	119,100 *
60	70.7	158.3	107,700 *
65	68.8	156.4	96,900
70	66.8	154.3	87,000
75	64.9	152.0	78,700
80	62.9	149.4	71,700
85	60.8	146.7	65,600
90	58.7	143.6	60,200
95	56.6	140.4	55,600
100	54.4	136.8	51,400
105	52.1	133.0	47,700
110	49.8	128.8	44,400
115	47.4	124.3	41,400
120	44.9	119.3	38,600
125	42.2	113.9	36,200
130	39.4	108.0	33,900
135	36.5	101.4	31,800
140	33.3	94.0	29,800
145	29.8	85.6	28,000
150	25.8	75.7	26,200 *
155	21.2	63.8	23,200 *
160	15.2	47.8	19,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
170 Ft. Boom			
28	83.0	176.5	213,500 *
30	82.3	176.2	209,400 *
32	81.6	175.9	205,400 *
34	80.9	175.6	201,400 *
36	80.3	175.2	189,600 *
38	79.6	174.9	179,000 *
40	78.9	174.4	169,300 *
42	78.2	174.0	160,600 *
44	77.5	173.6	152,600 *
46	76.8	173.1	145,300 *
48	76.1	172.6	138,600 *
50	75.4	172.0	132,400 *
55	73.7	170.6	118,700 *
60	71.9	168.9	107,300 *
65	70.1	167.1	96,700
70	68.3	165.2	86,900
75	66.4	163.0	78,600
80	64.6	160.6	71,500
85	62.7	158.1	65,400
90	60.8	155.3	60,100
95	58.8	152.3	55,400
100	56.8	149.1	51,300
105	54.7	145.6	47,600
110	52.6	141.8	44,200
115	50.4	137.7	41,200
120	48.2	133.3	38,500
125	45.9	128.5	36,000
130	43.4	123.3	33,700
135	40.9	117.6	31,600
140	38.2	111.4	29,700
145	35.3	104.5	27,900
150	32.2	96.8	26,200
155	28.8	88.1	24,600
160	25.0	77.9	22,600 *
165	20.5	65.6	19,900 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
180 Ft. Boom			
30	82.7	186.3	199,200 *
32	82.1	186.0	195,500 *
34	81.4	185.7	191,800 *
36	80.8	185.4	188,100 *
38	80.2	185.0	178,400 *
40	79.5	184.6	168,700 *
42	78.9	184.2	160,000 *
44	78.2	183.8	152,000 *
46	77.6	183.4	144,700 *
48	76.9	182.9	138,000 *
50	76.2	182.4	131,800 *
55	74.6	181.0	118,200 *
60	72.9	179.5	106,700 *
65	71.2	177.8	96,400
70	69.5	175.9	86,600
75	67.8	173.9	78,300
80	66.1	171.7	71,200
85	64.3	169.3	65,100
90	62.5	166.8	59,800
95	60.7	164.0	55,100
100	58.9	161.0	50,900
105	57.0	157.8	47,200
110	55.0	154.3	43,900
115	53.0	150.6	40,900
120	51.0	146.6	38,200
125	48.9	142.3	35,700
130	46.7	137.6	33,400
135	44.5	132.6	31,300
140	42.1	127.1	29,400
145	39.7	121.2	27,600
150	37.1	114.7	25,900
155	34.3	107.6	24,300
160	31.3	99.6	22,900
165	28.0	90.6	21,500
170	24.3	80.0	19,200 *
175	19.9	67.3	16,800 *



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
190 Ft. Boom			
32	82.5	196.2	181,000 *
34	81.9	195.9	178,000 *
36	81.3	195.5	175,000 *
38	80.7	195.2	172,000 *
40	80.1	194.8	168,000 *
42	79.4	194.4	159,300 *
44	78.8	194.0	151,300 *
46	78.2	193.6	144,000 *
48	77.6	193.2	137,200 *
50	77.0	192.7	131,000 *
55	75.4	191.4	117,400 *
60	73.9	189.9	106,000 *
65	72.3	188.4	96,100
70	70.7	186.6	86,200
75	69.1	184.7	77,900
80	67.4	182.7	70,800
85	65.8	180.4	64,700
90	64.1	178.0	59,400
95	62.4	175.4	54,700
100	60.7	172.6	50,500
105	58.9	169.6	46,800
110	57.1	166.4	43,500
115	55.3	163.0	40,500
120	53.4	159.3	37,800
125	51.5	155.4	35,300
130	49.5	151.2	33,000
135	47.5	146.7	30,900
140	45.4	141.8	28,900
145	43.2	136.5	27,100
150	40.9	130.9	25,500
155	38.5	124.7	23,900
160	36.0	118.0	22,500
165	33.3	110.6	21,100
170	30.4	102.3	19,800
175	27.2	93.0	18,100 *
180	23.6	82.1	16,000 *
185	19.4	68.9	13,800 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
200 Ft. Boom			
32	82.9	206.3	171,000 *
34	82.3	206.0	168,200 *
36	81.7	205.7	165,400 *
38	81.1	205.3	162,600 *
40	80.6	205.0	159,800 *
42	80.0	204.6	157,100 *
44	79.4	204.2	150,700 *
46	78.8	203.8	143,300 *
48	78.2	203.4	136,600 *
50	77.6	203.0	130,400 *
55	76.2	201.7	116,800 *
60	74.7	200.4	105,400 *
65	73.2	198.9	95,700 *
70	71.7	197.2	85,900
75	70.2	195.4	77,600
80	68.6	193.5	70,500
85	67.1	191.4	64,400
90	65.5	189.1	59,000
95	63.9	186.7	54,300
100	62.3	184.1	50,200
105	60.6	181.3	46,500
110	59.0	178.3	43,100
115	57.3	175.1	40,100
120	55.5	171.7	37,400
125	53.8	168.1	34,900
130	52.0	164.2	32,600
135	50.1	160.1	30,500
140	48.2	155.6	28,600
145	46.2	150.9	26,800
150	44.2	145.8	25,100
155	42.1	140.4	23,600
160	39.8	134.5	22,100
165	37.5	128.1	20,700
170	35.1	121.1	19,500
175	32.4	113.4	18,300
180	29.6	104.9	17,000 *
185	26.5	95.3	15,100 *
190	23.0	84.1	13,200 *
195	18.9	70.6	11,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
210 Ft. Boom			
34	82.7	216.1	158,700 *
36	82.1	215.8	156,400 *
38	81.6	215.5	154,100 *
40	81.0	215.1	151,800 *
42	80.5	214.8	149,600 *
44	79.9	214.4	147,100 *
46	79.4	214.0	142,900 *
48	78.8	213.6	136,200 *
50	78.2	213.2	129,900 *
55	76.8	212.0	116,300 *
60	75.4	210.8	104,900 *
65	74.0	209.3	95,200 *
70	72.6	207.8	85,700
75	71.1	206.1	77,300
80	69.7	204.2	70,200
85	68.2	202.2	64,100
90	66.7	200.1	58,800
95	65.2	197.8	54,100
100	63.7	195.4	49,900
105	62.2	192.7	46,200
110	60.6	189.9	42,900
115	59.0	187.0	39,800
120	57.4	183.8	37,100
125	55.8	180.4	34,600
130	54.1	176.8	32,300
135	52.4	173.0	30,200
140	50.6	168.9	28,300
145	48.8	164.6	26,500
150	46.9	160.0	24,800
155	45.0	155.1	23,300
160	43.0	149.8	21,800
165	41.0	144.1	20,500
170	38.8	138.0	19,200
175	36.6	131.4	18,000
180	34.2	124.2	16,900
185	31.6	116.3	15,800
190	28.9	107.5	14,200 *
195	25.8	97.5	12,500 *
200	22.4	86.0	10,700 *
205	18.4	72.1	8,900 *



Liftcrane Boom Capacities

888 SERIES 2

Meets
ANSI B30.5
Requirements

Boom No. 22EL
179,100 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
28 Ft. 2 in. Crawlers Extended
Rating Over Front Of Blocked Crawlers
No Travel - Limited Swing

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
220 Ft. Boom			
34	83.0	226.2	147,500 *
36	82.5	225.9	146,600 *
38	82.0	225.6	144,500 *
40	81.4	225.3	142,400 *
42	80.9	224.9	140,200 *
44	80.4	224.6	138,100 *
46	79.8	224.2	135,700 *
48	79.3	223.8	133,400 *
50	78.8	223.4	129,300 *
55	77.5	222.3	115,700 *
60	76.1	221.1	104,300 *
65	74.8	219.7	94,600 *
70	73.4	218.3	85,300
75	72.0	216.6	77,000
80	70.7	214.9	69,900
85	69.3	213.0	63,700
90	67.9	211.0	58,400
95	66.4	208.8	53,700
100	65.0	206.5	49,500
105	63.6	204.0	45,800
110	62.1	201.4	42,500
115	60.6	198.6	39,500
120	59.1	195.6	36,700
125	57.5	192.5	34,200
130	56.0	189.1	32,000
135	54.4	185.6	29,900
140	52.7	181.8	27,900
145	51.1	177.8	26,100
150	49.4	173.5	24,500
155	47.6	169.0	22,900
160	45.8	164.2	21,500
165	43.9	159.1	20,100
170	42.0	153.6	18,800
175	40.0	147.7	17,600
180	37.9	141.4	16,500
185	35.7	134.6	15,500
190	33.4	127.1	14,500
195	30.9	119.0	13,100 *
200	28.2	110.0	11,500 *
205	25.2	99.7	9,900 *
210	21.9	87.9	8,300 *
215	17.9	73.7	6,700 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
230 Ft. Boom			
36	82.8	236.0	133,600 *
38	82.3	235.7	133,300 *
40	81.8	235.4	132,900 *
42	81.3	235.1	131,500 *
44	80.8	234.7	129,700 *
46	80.3	234.4	127,800 *
48	79.8	234.0	125,900 *
50	79.3	233.6	123,900 *
55	78.0	232.6	115,000 *
60	76.7	231.4	103,500 *
65	75.4	230.1	93,800 *
70	74.1	228.7	85,000
75	72.8	227.2	76,600
80	71.5	225.5	69,500
85	70.2	223.7	63,400
90	68.9	221.8	58,000
95	67.5	219.7	53,300
100	66.2	217.5	49,100
105	64.8	215.2	45,400
110	63.4	212.7	42,000
115	62.0	210.1	39,000
120	60.6	207.3	36,300
125	59.1	204.3	33,800
130	57.6	201.1	31,500
135	56.1	197.8	29,400
140	54.6	194.3	27,500
145	53.1	190.6	25,700
150	51.5	186.6	24,000
155	49.9	182.4	22,400
160	48.2	178.0	21,000
165	46.5	173.3	19,600
170	44.7	168.3	18,400
175	42.9	163.0	17,200
180	41.0	157.3	16,100
185	39.1	151.3	15,000
190	37.0	144.7	14,000
195	34.9	137.7	13,000
200	32.6	130.1	11,800 *
205	30.2	121.7	10,300 *
210	27.5	112.4	8,900 *
215	24.6	101.9	7,400 *
220	21.4	89.8	5,900 *
225	17.5	75.2	4,400 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
240 Ft. Boom			
38	82.6	245.8	121,300 *
40	82.2	245.5	121,000 *
42	81.7	245.2	120,700 *
44	81.2	244.9	120,300 *
46	80.7	244.6	120,000 *
48	80.2	244.2	119,000 *
50	79.7	243.8	117,100 *
55	78.5	242.8	112,500 *
60	77.3	241.7	102,900 *
65	76.1	240.5	93,200 *
70	74.8	239.1	84,600
75	73.6	237.6	76,200
80	72.3	236.1	69,100
85	71.1	234.4	63,000
90	69.8	232.5	57,600
95	68.5	230.6	52,900
100	67.2	228.5	48,700
105	65.9	226.3	45,000
110	64.6	223.9	41,600
115	63.3	221.4	38,600
120	61.9	218.7	35,900
125	60.5	215.9	33,400
130	59.2	213.0	31,100
135	57.7	209.8	29,000
140	56.3	206.5	27,000
145	54.9	203.0	25,200
150	53.4	199.3	23,600
155	51.9	195.4	22,000
160	50.3	191.3	20,600
165	48.7	187.0	19,200
170	47.1	182.4	18,000
175	45.4	177.5	16,800
180	43.7	172.3	15,600
185	41.9	166.8	14,600
190	40.1	161.0	13,600
195	38.2	154.7	12,600
200	36.2	148.0	11,700
205	34.1	140.8	10,600 *
210	31.9	132.9	9,200 *
215	29.5	124.3	7,900 *
220	26.9	114.7	6,500 *
225	24.1	104.0	5,200 *



Liftcrane Boom Capacities

888 SERIES 2

Boom No. 22EL
179,100 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
28 Ft. 2 in. Crawlers Extended
Rating Over Front Of Blocked Crawlers
No Travel - Limited Swing

Meets
ANSI B30.5
Requirements

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
250 Ft. Boom			
38	82.9	255.9	110,200 *
40	82.5	255.6	109,900 *
42	82.0	255.3	109,600 *
44	81.5	255.0	109,300 *
46	81.1	254.7	109,000 *
48	80.6	254.4	108,600 *
50	80.1	254.0	108,300 *
55	79.0	253.0	105,200 *
60	77.8	252.0	100,900 *
65	76.6	250.8	93,300 *
70	75.4	249.5	84,800
75	74.3	248.1	76,400
80	73.1	246.6	69,300
85	71.9	244.9	63,200
90	70.6	243.2	57,800
95	69.4	241.3	53,100
100	68.2	239.3	48,900
105	66.9	237.2	45,200
110	65.7	235.0	41,800
115	64.4	232.6	38,800
120	63.1	230.1	36,100
125	61.8	227.4	33,600
130	60.5	224.6	31,300
135	59.2	221.6	29,200
140	57.8	218.5	27,200
145	56.5	215.2	25,400
150	55.1	211.7	23,800
155	53.6	208.1	22,200
160	52.2	204.2	20,800
165	50.7	200.2	19,400
170	49.2	195.9	18,200
175	47.7	191.4	17,000
180	46.1	186.6	15,800
185	44.5	181.6	14,800
190	42.8	176.2	13,800
195	41.1	170.6	12,800
200	39.3	164.5	11,900
205	37.4	158.1	11,100
210	35.4	151.2	10,300 *
215	33.4	143.7	8,900 *
220	31.2	135.7	7,700 *
225	28.9	126.8	6,400 *
230	26.4	117.1	5,200 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
260 Ft. Boom			
40	82.8	265.7	100,500 *
42	82.3	265.4	100,200 *
44	81.9	265.1	99,900 *
46	81.4	264.8	99,600 *
48	81.0	264.5	99,300 *
50	80.5	264.2	98,900 *
55	79.4	263.2	98,100 *
60	78.3	262.2	95,200 *
65	77.2	261.1	91,100 *
70	76.0	259.8	84,300 *
75	74.9	258.5	76,100
80	73.7	257.0	68,900
85	72.6	255.5	62,800
90	71.4	253.8	57,400
95	70.2	252.0	52,700
100	69.1	250.1	48,500
105	67.9	248.1	44,800
110	66.7	245.9	41,400
115	65.5	243.7	38,400
120	64.2	241.3	35,700
125	63.0	238.7	33,100
130	61.8	236.1	30,900
135	60.5	233.2	28,800
140	59.2	230.3	26,800
145	57.9	227.2	25,000
150	56.6	223.9	23,400
155	55.3	220.4	21,800
160	53.9	216.8	20,400
165	52.5	213.0	19,000
170	51.1	209.0	17,700
175	49.7	204.8	16,500
180	48.2	200.4	15,400
185	46.7	195.7	14,400
190	45.1	190.8	13,400
195	43.5	185.6	12,400
200	41.9	180.1	11,500
205	40.2	174.2	10,700
210	38.5	168.0	9,900
215	36.6	161.4	9,100 *
220	34.7	154.3	7,800 *
225	32.7	146.7	6,600 *
230	30.6	138.4	5,400 *
235	28.3	129.3	4,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
270 Ft. Boom			
40	83.0	275.8	91,900 *
42	82.6	275.5	91,600 *
44	82.2	275.2	91,300 *
46	81.7	274.9	91,000 *
48	81.3	274.6	90,700 *
50	80.9	274.3	90,400 *
55	79.8	273.4	89,500 *
60	78.7	272.4	88,700 *
65	77.6	271.3	85,900 *
70	76.5	270.1	82,200 *
75	75.5	268.8	75,700
80	74.4	267.5	68,600
85	73.2	266.0	62,400
90	72.1	264.4	57,000
95	71.0	262.6	52,300
100	69.9	260.8	48,100
105	68.7	258.9	44,300
110	67.6	256.8	41,000
115	66.4	254.7	38,000
120	65.3	252.4	35,200
125	64.1	249.9	32,700
130	62.9	247.4	30,400
135	61.7	244.7	28,300
140	60.5	241.9	26,300
145	59.2	238.9	24,500
150	58.0	235.8	22,900
155	56.7	232.6	21,300
160	55.4	229.2	19,900
165	54.1	225.6	18,500
170	52.8	221.8	17,200
175	51.5	217.8	16,100
180	50.1	213.7	14,900
185	48.7	209.3	13,900
190	47.2	204.7	12,900
195	45.8	199.9	11,900
200	44.2	194.8	11,000
205	42.7	189.5	10,200
210	41.1	183.8	9,400
215	39.4	177.8	8,600 *
220	37.7	171.4	7,700 *
225	35.9	164.6	6,500 *
230	34.0	157.3	5,400 *
235	32.1	149.5	4,300 *



Liftcrane Boom Capacities

888 SERIES 2

Meets
ANSI B30.5
Requirements

Boom No. 22EL
179,100 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
28 Ft. 2 in. Crawlers Extended
Rating Over Front Of Blocked Crawlers
No Travel - Limited Swing

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
280 Ft. Boom			
42	82.9	285.6	83,000 *
44	82.5	285.3	82,700 *
46	82.0	285.1	82,500 *
48	81.6	284.8	82,200 *
50	81.2	284.4	81,900 *
55	80.2	283.6	81,200 *
60	79.1	282.6	80,400 *
65	78.1	281.6	78,800 *
70	77.0	280.4	75,600 *
75	76.0	279.2	72,100 *
80	74.9	277.8	68,100
85	73.9	276.4	62,000
90	72.8	274.9	56,600
95	71.7	273.2	51,900
100	70.6	271.5	47,700
105	69.5	269.6	43,900
110	68.4	267.6	40,600
115	67.3	265.6	37,500
120	66.2	263.4	34,800
125	65.1	261.1	32,300
130	63.9	258.6	30,000
135	62.8	256.1	27,800
140	61.6	253.4	25,900
145	60.5	250.6	24,100
150	59.3	247.6	22,400
155	58.1	244.5	20,900
160	56.8	241.3	19,400
165	55.6	237.9	18,100
170	54.4	234.3	16,800
175	53.1	230.6	15,600
180	51.8	226.7	14,500
185	50.5	222.6	13,400
190	49.1	218.3	12,400
195	47.7	213.8	11,500
200	46.3	209.0	10,600
205	44.9	204.0	9,700
210	43.4	198.8	8,800 *
215	41.9	193.3	7,900 *
220	40.3	187.5	7,100 *
225	38.7	181.3	6,300 *
230	37.0	174.7	5,400 *
235	35.2	167.8	4,300 *

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	Boom Capacity Pounds
290 Ft. Boom			
44	82.7	295.4	75,900 *
46	82.3	295.2	75,600 *
48	81.9	294.9	75,300 *
50	81.5	294.6	75,100 *
55	80.5	293.7	74,300 *
60	79.5	292.8	73,100 *
65	78.5	291.8	71,000 *
70	77.5	290.7	69,000 *
75	76.5	289.5	67,200 *
80	75.5	288.2	64,600 *
85	74.4	286.8	61,400 *
90	73.4	285.3	56,900
95	72.4	283.8	52,200
100	71.3	282.1	48,000
105	70.3	280.3	44,300
110	69.2	278.4	40,900
115	68.2	276.4	37,900
120	67.1	274.3	35,100
125	66.0	272.1	32,600
130	64.9	269.8	30,300
135	63.8	267.3	28,200
140	62.7	264.7	26,300
145	61.6	262.0	24,500
150	60.4	259.2	22,800
155	59.3	256.3	21,200
160	58.1	253.2	19,800
165	57.0	249.9	18,400
170	55.8	246.6	17,200
175	54.6	243.0	16,000
180	53.3	239.3	14,800
185	52.1	235.5	13,800
190	50.8	231.4	12,800
195	49.5	227.2	11,800
200	48.2	222.7	10,900
205	46.8	218.1	10,100 *
210	45.5	213.2	8,900 *
215	44.0	208.1	7,600 *
220	42.6	202.7	6,500 *
225	41.1	197.0	5,400 *
230	39.6	191.0	4,300 *