

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
109,100 Lb. Counterweight
28 Ft. 2 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

LIFTING CAPACITIES: Lifting capacities are for a crawler machine when operating on a barge. Machine shall be positively secured to prevent shifting. 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 (*). 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.

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

OPERATING CONDITIONS: Machine to operate on a firm uniformly supporting surface with crawlers fully extended,

gantry up and machine list not to exceed degrees noted. 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 at barge deck 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 barge deck 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 and 109,100 Lb. counterweight.

Maximum Boom Lengths Lifted Unassisted			
List	Over Front of Blocked Crawlers	Over Rear of Blocked Crawlers	Over Side of Extended Crawlers
	Boom Length	Boom Length	Boom Length
0 Degree	210 Ft.	210 Ft.	190 Ft.
1 Degree	210 Ft.	210 Ft.	190 Ft.
2 Degree	210 Ft.	210 Ft.	190 Ft.
3 Degree	210 Ft.	200 Ft.	190 Ft.
Load block, hook and weight ball on barge deck at start.			



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70 Ft. Boom							
16	82.8	77.2	380,800 *b				16
17	82.0	77.1	359,700 *b	331,400 *b			17
18	81.1	76.9	340,700 *b	315,100 *b			18
19	80.3	76.7	323,500 *b	300,200 *b	279,900 *b		19
20	79.5	76.5	307,900 *b	286,600 *b	257,300 b	230,100 b	20
22	77.8	76.0	275,900 b	245,500 b	220,700 b	200,000 b	22
24	76.1	75.5	234,600 b	211,800 b	192,800 b	176,500 b	24
26	74.4	74.9	203,600	185,900	170,800	157,700	26
28	72.7	74.2	179,500	165,300	153,100	142,300	28
30	70.9	73.5	160,200	148,600	138,500	129,500	30
32	69.2	72.7	144,400	134,700	126,300	118,600	32
34	67.4	71.8	131,200	123,000	115,800	109,300	34
36	65.6	70.9	120,000	113,100	106,900	101,200	36
38	63.7	69.8	110,500	104,400	99,100	94,100	38
40	61.9	68.7	102,200	96,900	92,200	87,800	40
42	60.0	67.5	94,900	90,300	86,100	82,300	42
44	58.0	66.2	88,500	84,400	80,700	77,300	44
46	56.0	64.8	82,800	79,100	75,900	72,800	46
48	54.0	63.3	77,700	74,400	71,500	68,700	48
50	51.9	61.7	73,100	70,100	67,500	65,000	50
55	46.3	57.1	63,300	61,000	59,000	57,100	55
60	40.1	51.4	55,500	53,700	52,100	50,600	60
65	32.9	44.2	49,000	47,600	46,400	45,200	65
70	23.7	34.1	43,500	42,400	41,500	40,700	70

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80 Ft. Boom							
17	83.0	87.2	358,900 *b				17
18	82.3	87.0	339,900 *b				18
19	81.5	86.9	322,800 *b	296,900 *b			19
20	80.8	86.7	307,200 *b	283,500 *b	250,600 b		20
22	79.3	86.3	276,700 b	242,700 b	215,600 b	193,500 b	22
24	77.9	85.8	235,200 b	209,700 b	188,800 b	171,300 b	24
26	76.4	85.3	204,100	184,200	167,600	153,400	26
28	74.9	84.7	179,900	164,000	150,500	138,700	28
30	73.4	84.1	160,500	147,500	136,300	126,400	30
32	71.9	83.4	144,600	133,800	124,300	115,900	32
34	70.4	82.7	131,400	122,200	114,100	106,900	34
36	68.8	81.8	120,200	112,300	105,400	99,100	36
38	67.3	81.0	110,600	103,800	97,700	92,200	38
40	65.7	80.0	102,300	96,300	91,000	86,100	40
42	64.1	79.0	95,000	89,700	85,000	80,700	42
44	62.4	77.9	88,600	83,900	79,700	75,800	44
46	60.8	76.8	82,800	78,600	74,900	71,400	46
48	59.1	75.6	77,700	73,900	70,600	67,400	48
50	57.4	74.2	73,100	69,700	66,700	63,800	50
55	52.9	70.6	63,300	60,600	58,300	56,000	55
60	48.2	66.2	55,500	53,300	51,400	49,600	60
65	43.0	61.0	49,100	47,300	45,800	44,300	65
70	37.3	54.8	43,700	42,200	41,000	39,800	70
75	30.6	46.9	39,100	37,900	36,900	36,000	75
80	22.0	36.0	35,000	34,100	33,400	32,600	80



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90 Ft. Boom							
19	82.5	97.0	322,300 *b				19
20	81.8	96.8	306,700 *b	280,700 *b			20
22	80.5	96.5	277,500 b	240,000 b	210,800 b		22
24	79.2	96.1	235,800 b	207,700 b	185,100 b	166,400 b	24
26	77.9	95.6	204,600	182,600	164,600	149,400	26
28	76.6	95.1	180,300	162,700	147,900	135,300	28
30	75.3	94.6	160,800	146,400	134,100	123,500	30
32	74.0	93.9	144,900	132,800	122,500	113,400	32
34	72.6	93.3	131,600	121,400	112,600	104,700	34
36	71.3	92.6	120,400	111,600	104,000	97,100	36
38	69.9	91.8	110,800	103,100	96,500	90,400	38
40	68.6	91.0	102,400	95,700	89,900	84,500	40
42	67.2	90.1	95,100	89,200	84,000	79,200	42
44	65.8	89.2	88,700	83,400	78,800	74,500	44
46	64.3	88.2	82,900	78,200	74,000	70,200	46
48	62.9	87.2	77,800	73,500	69,800	66,300	48
50	61.4	86.0	73,200	69,300	65,900	62,700	50
55	57.7	82.9	63,400	60,300	57,600	55,100	55
60	53.8	79.3	55,500	53,100	50,900	48,800	60
65	49.6	75.2	49,100	47,100	45,300	43,600	65
70	45.2	70.3	43,700	42,000	40,600	39,200	70
75	40.4	64.7	39,200	37,700	36,500	35,400	75
80	35.0	57.9	35,200	34,000	33,000	32,100	80
85	28.7	49.4	31,700	30,700	29,900	29,200	85
90	20.7	37.7	28,700	27,800	27,200	26,600	90

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100 Ft. Boom							
20	82.7	107.0	306,400 *b				20
22	81.5	106.6	278,000 b	237,100 b			22
24	80.3	106.3	236,200 b	205,500 b	181,300 b		24
26	79.2	105.9	204,900	180,900	161,600	145,500	26
28	78.0	105.4	180,600	161,300	145,400	132,100	28
30	76.8	104.9	161,100	145,300	132,000	120,700	30
32	75.6	104.4	145,100	131,900	120,700	111,000	32
34	74.4	103.8	131,800	120,600	111,000	102,600	34
36	73.2	103.2	120,600	110,900	102,600	95,200	36
38	72.0	102.5	110,900	102,500	95,300	88,800	38
40	70.8	101.8	102,600	95,200	88,800	83,000	40
42	69.6	101.0	95,200	88,700	83,000	77,900	42
44	68.3	100.2	88,800	83,000	77,900	73,200	44
46	67.1	99.3	83,000	77,800	73,300	69,100	46
48	65.8	98.4	77,900	73,200	69,100	65,300	48
50	64.6	97.4	73,300	69,000	65,300	61,800	50
55	61.3	94.7	63,500	60,100	57,100	54,300	55
60	57.9	91.6	55,600	52,900	50,400	48,200	60
65	54.4	88.1	49,200	46,900	44,900	43,000	65
70	50.8	84.1	43,800	41,900	40,200	38,700	70
75	46.9	79.5	39,300	37,600	36,200	34,900	75
80	42.7	74.2	35,400	33,900	32,800	31,700	80
85	38.2	68.1	31,900	30,700	29,700	28,800	85
90	33.1	60.8	28,900	27,900	27,100	26,300	90
95	27.2	51.7	26,200	25,300	24,700	24,000	95
100	19.5	39.4	23,800	23,000	22,500	22,000	100

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110 Ft. Boom							
22	82.3	116.8	278,500 *				22
24	81.2	116.4	236,600	203,300			24
26	80.2	116.1	205,200	179,200	158,600		26
28	79.1	115.7	180,800	159,900	142,900	128,800	28
30	78.0	115.2	161,200	144,000	129,900	117,900	30
32	77.0	114.7	145,200	130,800	118,800	108,500	32
34	75.9	114.2	131,900	119,700	109,400	100,400	34
36	74.8	113.6	120,600	110,100	101,100	93,300	36
38	73.7	113.0	110,900	101,800	93,900	87,000	38
40	72.6	112.4	102,500	94,500	87,600	81,400	40
42	71.5	111.7	95,200	88,100	81,900	76,400	42
44	70.4	110.9	88,700	82,400	76,800	71,900	44
46	69.3	110.2	82,900	77,200	72,300	67,800	46
48	68.2	109.3	77,800	72,600	68,100	64,000	48
50	67.0	108.5	73,100	68,500	64,400	60,600	50
55	64.1	106.1	63,300	59,600	56,300	53,300	55
60	61.2	103.3	55,500	52,400	49,800	47,300	60
65	58.1	100.3	49,000	46,500	44,300	42,200	65
70	55.0	96.8	43,600	41,500	39,700	37,900	70
75	51.7	92.9	39,100	37,200	35,700	34,200	75
80	48.2	88.6	35,200	33,600	32,300	31,000	80
85	44.5	83.6	31,800	30,400	29,200	28,200	85
90	40.6	77.9	28,800	27,600	26,600	25,700	90
95	36.3	71.3	26,100	25,000	24,200	23,400	95
100	31.5	63.6	23,700	22,800	22,100	21,400	100
105	25.8	54.0	21,500	20,700	20,200	19,600	105
110	18.6	40.9	19,600	18,900	18,400	18,000	110

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120 Ft. Boom							
22	82.9	126.9	278,000 *				22
24	82.0	126.6	236,800	201,100			24
26	81.0	126.2	205,300	177,400	155,600		26
28	80.0	125.9	180,800	158,400	140,400	125,700	28
30	79.1	125.4	161,300	142,800	127,700	115,200	30
32	78.1	125.0	145,200	129,700	117,000	106,100	32
34	77.1	124.5	131,900	118,700	107,700	98,300	34
36	76.1	124.0	120,600	109,200	99,700	91,400	36
38	75.1	123.5	110,900	101,000	92,600	85,300	38
40	74.1	122.9	102,500	93,800	86,400	79,800	40
42	73.1	122.2	95,100	87,400	80,800	74,900	42
44	72.1	121.6	88,600	81,800	75,800	70,500	44
46	71.1	120.9	82,900	76,700	71,400	66,600	46
48	70.1	120.1	77,700	72,100	67,300	62,900	48
50	69.1	119.3	73,000	68,000	63,600	59,600	50
55	66.5	117.2	63,200	59,200	55,600	52,400	55
60	63.8	114.7	55,400	52,000	49,200	46,500	60
65	61.1	112.0	48,900	46,100	43,700	41,500	65
70	58.3	109.0	43,500	41,200	39,200	37,300	70
75	55.4	105.6	39,000	37,000	35,200	33,600	75
80	52.4	101.8	35,100	33,300	31,800	30,400	80
85	49.3	97.5	31,700	30,100	28,900	27,700	85
90	46.0	92.8	28,700	27,300	26,200	25,200	90
95	42.5	87.5	26,000	24,800	23,900	23,000	95
100	38.7	81.4	23,700	22,600	21,800	21,000	100
105	34.6	74.4	21,500	20,600	19,900	19,200	105
110	30.0	66.2	19,600	18,800	18,200	17,600	110
115	24.7	56.1	17,800	17,100	16,600	16,100	115
120	17.7	42.4	16,200	15,500	15,100	14,700	120

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130 Ft. Boom							
24	82.6	136.7	237,100				24
26	81.7	136.4	205,500	175,700			26
28	80.8	136.0	181,000	157,000	138,100		28
30	79.9	135.7	161,400	141,600	125,800	112,700	30
32	79.0	135.2	145,400	128,800	115,300	104,000	32
34	78.1	134.8	132,000	117,900	106,200	96,400	34
36	77.2	134.3	120,700	108,500	98,400	89,700	36
38	76.3	133.8	110,900	100,400	91,500	83,700	38
40	75.4	133.3	102,500	93,200	85,300	78,400	40
42	74.5	132.7	95,200	86,900	79,900	73,700	42
44	73.5	132.1	88,700	81,300	75,000	69,400	44
46	72.6	131.4	82,900	76,300	70,600	65,500	46
48	71.7	130.8	77,700	71,700	66,600	61,900	48
50	70.7	130.1	73,100	67,600	62,900	58,700	50
55	68.4	128.1	63,200	58,900	55,100	51,600	55
60	66.0	125.9	55,400	51,800	48,700	45,800	60
65	63.5	123.4	48,900	45,900	43,300	40,900	65
70	61.0	120.7	43,500	41,000	38,800	36,800	70
75	58.4	117.6	39,000	36,800	34,900	33,200	75
80	55.8	114.3	35,000	33,200	31,600	30,000	80
85	53.0	110.6	31,600	30,000	28,600	27,300	85
90	50.2	106.4	28,700	27,200	26,000	24,800	90
95	47.2	101.9	26,000	24,700	23,700	22,700	95
100	44.0	96.8	23,700	22,500	21,600	20,700	100
105	40.7	91.2	21,600	20,500	19,700	18,900	105
110	37.1	84.7	19,600	18,700	18,000	17,300	110
115	33.2	77.4	17,900	17,100	16,500	15,900	115
120	28.8	68.7	16,300	15,600	15,000	14,500	120
125	23.6	58.1	14,800	14,200	13,700	13,300	125
130	17.0	43.8	13,400	12,900	12,500	12,100	130

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140 Ft. Boom							
26	82.3	146.5	205,600				26
28	81.5	146.2	181,000	155,400			28
30	80.6	145.8	161,400	140,300	123,700		30
32	79.8	145.4	145,300	127,600	113,400	101,600	32
34	79.0	145.1	131,900	116,900	104,600	94,300	34
36	78.1	144.6	120,500	107,600	96,900	87,800	36
38	77.3	144.1	110,800	99,500	90,100	82,000	38
40	76.4	143.6	102,400	92,500	84,100	76,900	40
42	75.6	143.1	95,000	86,200	78,800	72,300	42
44	74.7	142.5	88,500	80,600	74,000	68,100	44
46	73.9	141.9	82,700	75,700	69,600	64,300	46
48	73.0	141.3	77,500	71,200	65,700	60,800	48
50	72.2	140.6	72,900	67,100	62,100	57,600	50
55	70.0	138.9	63,000	58,400	54,400	50,700	55
60	67.8	136.8	55,100	51,300	48,000	45,000	60
65	65.5	134.6	48,700	45,500	42,700	40,200	65
70	63.3	132.1	43,300	40,600	38,200	36,100	70
75	60.9	129.3	38,700	36,400	34,400	32,500	75
80	58.5	126.3	34,800	32,800	31,100	29,400	80
85	56.1	123.0	31,400	29,600	28,100	26,700	85
90	53.5	119.3	28,400	26,900	25,600	24,300	90
95	50.9	115.3	25,800	24,400	23,200	22,100	95
100	48.2	110.9	23,500	22,200	21,200	20,200	100
105	45.3	106.1	21,400	20,200	19,300	18,500	105
110	42.3	100.7	19,500	18,400	17,600	16,900	110
115	39.1	94.7	17,700	16,800	16,100	15,400	115
120	35.7	87.9	16,100	15,300	14,700	14,100	120
125	31.9	80.2	14,700	13,900	13,400	12,900	125
130	27.7	71.2	13,300	12,700	12,200	11,700	130
135	22.7	60.1	12,100	11,500	11,100	10,700	135
140	16.3	45.2	10,900	10,400	10,000	9,700	140

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
109,100 Lb. Counterweight
28 Ft. 2 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
150 Ft. Boom							
26	82.8	156.6	205,800				26
28	82.0	156.3	181,100	154,000			28
30	81.3	156.0	161,400	139,100			30
32	80.5	155.6	145,300	126,500	111,600		32
34	79.7	155.2	131,800	115,900	103,000	92,300	34
36	78.9	154.8	120,400	106,700	95,400	86,000	36
38	78.2	154.4	110,700	98,700	88,800	80,400	38
40	77.4	153.9	102,200	91,700	82,900	75,300	40
42	76.6	153.4	94,800	85,500	77,600	70,800	42
44	75.8	152.9	88,300	79,900	72,900	66,700	44
46	75.0	152.4	82,500	75,000	68,600	63,000	46
48	74.2	151.8	77,300	70,500	64,700	59,600	48
50	73.4	151.2	72,600	66,500	61,200	56,500	50
55	71.4	149.5	62,800	57,800	53,500	49,700	55
60	69.4	147.6	54,800	50,800	47,200	44,000	60
65	67.3	145.6	48,400	45,000	42,000	39,300	65
70	65.2	143.3	43,000	40,100	37,600	35,200	70
75	63.0	140.7	38,400	35,900	33,700	31,700	75
80	60.9	138.0	34,500	32,300	30,400	28,700	80
85	58.6	135.0	31,100	29,100	27,500	26,000	85
90	56.3	131.7	28,100	26,400	25,000	23,600	90
95	54.0	128.1	25,400	23,900	22,700	21,500	95
100	51.6	124.2	23,100	21,700	20,600	19,600	100
105	49.1	119.9	21,000	19,700	18,800	17,800	105
110	46.4	115.2	19,100	18,000	17,100	16,200	110
115	43.7	110.1	17,400	16,300	15,600	14,800	115
120	40.8	104.4	15,800	14,900	14,200	13,500	120
125	37.7	98.1	14,300	13,500	12,900	12,300	125
130	34.4	91.0	13,000	12,200	11,700	11,100	130
135	30.8	82.9	11,800	11,100	10,600	10,100	135
140	26.7	73.5	10,600	10,000	9,500	9,100	140
145	21.9	62.0	9,500	8,900	8,600	8,200	145
150	15.7	46.5	8,500	8,000	7,700	7,400	150

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
109,100 Lb. Counterweight
28 Ft. 2 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
160 Ft. Boom							
28	82.5	166.4	181,000				28
30	81.8	166.1	161,300	137,700			30
32	81.1	165.8	145,100	125,300			32
34	80.4	165.4	131,600	114,800	101,300		34
36	79.6	165.1	120,300	105,700	93,900	84,100	36
38	78.9	164.6	110,500	97,800	87,400	78,700	38
40	78.2	164.2	102,000	90,900	81,600	73,800	40
42	77.4	163.7	94,600	84,700	76,500	69,400	42
44	76.7	163.2	88,100	79,200	71,800	65,400	44
46	76.0	162.7	82,300	74,300	67,600	61,700	46
48	75.2	162.2	77,000	69,900	63,800	58,400	48
50	74.5	161.6	72,400	65,800	60,300	55,300	50
55	72.6	160.1	62,500	57,200	52,700	48,700	55
60	70.7	158.3	54,600	50,200	46,500	43,200	60
65	68.8	156.4	48,100	44,500	41,300	38,500	65
70	66.8	154.3	42,700	39,600	36,900	34,500	70
75	64.9	152.0	38,100	35,400	33,200	31,100	75
80	62.9	149.4	34,200	31,800	29,900	28,000	80
85	60.8	146.6	30,800	28,700	27,000	25,400	85
90	58.7	143.6	27,800	26,000	24,400	23,000	90
95	56.6	140.4	25,100	23,500	22,200	20,900	95
100	54.4	136.8	22,800	21,300	20,100	19,000	100
105	52.1	133.0	20,700	19,400	18,300	17,300	105
110	49.8	128.8	18,800	17,600	16,600	15,700	110
115	47.4	124.3	17,100	16,000	15,100	14,300	115
120	44.9	119.3	15,500	14,500	13,700	13,000	120
125	42.2	113.9	14,100	13,100	12,400	11,800	125
130	39.4	108.0	12,700	11,900	11,300	10,700	130
135	36.5	101.4	11,500	10,700	10,200	9,600	135
140	33.3	94.0	10,400	9,700	9,200	8,700	140
145	29.8	85.6	9,300	8,600	8,200	7,800	145
150	25.8	75.7	8,300	7,700	7,300	6,900	150
155	21.2	63.8	7,400	6,800	6,500	6,100	155
160	15.2	47.8	6,500	6,000	5,700	5,400	160

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
109,100 Lb. Counterweight
28 Ft. 2 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
170 Ft. Boom							
28	83.0	176.5	181,000				28
30	82.3	176.2	161,200				30
32	81.6	175.9	145,100	124,200			32
34	80.9	175.6	131,600	113,800	99,800		34
36	80.3	175.2	120,200	104,900	92,600		36
38	79.6	174.9	110,400	97,000	86,200	77,200	38
40	78.9	174.4	101,900	90,200	80,500	72,400	40
42	78.2	174.0	94,500	84,100	75,500	68,100	42
44	77.5	173.6	87,900	78,600	70,900	64,200	44
46	76.8	173.1	82,100	73,700	66,700	60,600	46
48	76.1	172.6	76,900	69,300	63,000	57,400	48
50	75.4	172.0	72,200	65,300	59,500	54,400	50
55	73.7	170.6	62,300	56,800	52,100	47,900	55
60	71.9	168.9	54,400	49,800	45,900	42,400	60
65	70.1	167.1	47,900	44,100	40,800	37,800	65
70	68.3	165.2	42,500	39,200	36,500	33,900	70
75	66.4	163.0	37,900	35,100	32,700	30,500	75
80	64.6	160.6	34,000	31,500	29,500	27,500	80
85	62.7	158.1	30,600	28,400	26,600	24,900	85
90	60.8	155.3	27,600	25,700	24,100	22,600	90
95	58.8	152.3	25,000	23,200	21,800	20,500	95
100	56.8	149.1	22,600	21,100	19,800	18,600	100
105	54.7	145.6	20,500	19,100	18,000	16,900	105
110	52.6	141.8	18,600	17,300	16,300	15,300	110
115	50.4	137.7	16,900	15,700	14,800	13,900	115
120	48.2	133.3	15,300	14,300	13,400	12,600	120
125	45.9	128.5	13,900	12,900	12,200	11,400	125
130	43.4	123.3	12,600	11,700	11,000	10,300	130
135	40.9	117.6	11,400	10,500	9,900	9,300	135
140	38.2	111.4	10,200	9,500	8,900	8,400	140
145	35.3	104.5	9,200	8,500	8,000	7,500	145
150	32.2	96.8	8,200	7,500	7,100	6,600	150
155	28.8	88.1	7,300	6,700	6,300	5,900	155
160	25.0	77.9	6,400	5,800	5,500	5,100	160
165	20.5	65.6	5,600	5,100	4,700	4,400	165

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
109,100 Lb. Counterweight
28 Ft. 2 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
180 Ft. Boom							
30	82.7	186.3	161,100				30
32	82.1	186.0	144,900				32
34	81.4	185.7	131,400	112,800			34
36	80.8	185.4	120,000	103,900	91,100		36
38	80.2	185.0	110,200	96,100	84,900		38
40	79.5	184.6	101,700	89,300	79,300	70,900	40
42	78.9	184.2	94,200	83,300	74,300	66,700	42
44	78.2	183.8	87,700	77,900	69,800	62,900	44
46	77.6	183.4	81,900	73,000	65,700	59,400	46
48	76.9	182.9	76,600	68,700	62,000	56,200	48
50	76.2	182.4	71,900	64,700	58,600	53,300	50
55	74.6	181.0	62,000	56,200	51,300	46,900	55
60	72.9	179.5	54,100	49,300	45,200	41,500	60
65	71.2	177.8	47,600	43,600	40,100	37,000	65
70	69.5	175.9	42,200	38,800	35,800	33,100	70
75	67.8	173.9	37,600	34,600	32,100	29,800	75
80	66.1	171.7	33,700	31,100	28,900	26,900	80
85	64.3	169.3	30,300	28,000	26,000	24,300	85
90	62.5	166.7	27,300	25,200	23,500	21,900	90
95	60.7	164.0	24,600	22,800	21,300	19,900	95
100	58.9	161.0	22,300	20,600	19,300	18,000	100
105	57.0	157.7	20,200	18,700	17,500	16,300	105
110	55.0	154.3	18,300	16,900	15,800	14,800	110
115	53.0	150.6	16,600	15,300	14,300	13,400	115
120	51.0	146.6	15,000	13,900	13,000	12,100	120
125	48.9	142.2	13,600	12,500	11,700	10,900	125
130	46.7	137.6	12,200	11,300	10,500	9,800	130
135	44.5	132.6	11,000	10,100	9,500	8,800	135
140	42.1	127.1	9,900	9,100	8,500	7,900	140
145	39.7	121.2	8,900	8,100	7,500	7,000	145
150	37.1	114.7	7,900	7,200	6,700	6,200	150
155	34.3	107.6	7,000	6,300	5,800	5,400	155
160	31.3	99.6	6,100	5,500	5,100	4,700	160
165	28.0	90.6	5,300	4,700	4,400	4,000	165
170	24.3	80.0	4,500	4,000			170

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
109,100 Lb. Counterweight
28 Ft. 2 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
190 Ft. Boom							
32	82.5	196.1	144,900				32
34	81.9	195.9	131,300	111,800			34
36	81.3	195.5	119,800	103,000			36
38	80.7	195.2	110,000	95,300	83,600		38
40	80.1	194.8	101,500	88,500	78,100		40
42	79.4	194.4	94,000	82,500	73,200	65,400	42
44	78.8	194.0	87,500	77,200	68,800	61,600	44
46	78.2	193.6	81,600	72,400	64,700	58,200	46
48	77.6	193.1	76,400	68,000	61,100	55,100	48
50	77.0	192.7	71,700	64,100	57,700	52,200	50
55	75.4	191.4	61,700	55,600	50,400	45,900	55
60	73.9	189.9	53,800	48,700	44,400	40,600	60
65	72.3	188.4	47,200	43,000	39,400	36,200	65
70	70.7	186.6	41,800	38,200	35,100	32,300	70
75	69.1	184.7	37,200	34,100	31,400	29,000	75
80	67.4	182.6	33,300	30,500	28,200	26,100	80
85	65.8	180.4	29,800	27,400	25,400	23,500	85
90	64.1	178.0	26,800	24,700	22,900	21,300	90
95	62.4	175.4	24,200	22,300	20,700	19,200	95
100	60.7	172.6	21,800	20,100	18,700	17,400	100
105	58.9	169.6	19,700	18,200	16,900	15,700	105
110	57.1	166.4	17,800	16,400	15,300	14,200	110
115	55.3	163.0	16,100	14,800	13,800	12,800	115
120	53.4	159.3	14,500	13,300	12,400	11,500	120
125	51.5	155.4	13,100	12,000	11,100	10,300	125
130	49.5	151.2	11,800	10,800	10,000	9,200	130
135	47.5	146.6	10,600	9,600	8,900	8,200	135
140	45.4	141.8	9,500	8,600	7,900	7,300	140
145	43.2	136.5	8,400	7,600	7,000	6,400	145
150	40.9	130.9	7,400	6,700	6,100	5,600	150
155	38.5	124.7	6,500	5,800	5,300	4,800	155
160	36.0	118.0	5,700	5,000	4,500	4,100	160
165	33.3	110.6	4,900	4,200			165
170	30.4	102.3	4,100				170

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
109,100 Lb. Counterweight
28 Ft. 2 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
200 Ft. Boom							
32	82.9	206.2	144,600				32
34	82.3	206.0	131,100				34
36	81.7	205.7	119,600	102,000			36
38	81.1	205.3	109,700	94,400			38
40	80.6	205.0	101,200	87,700	76,900		40
42	80.0	204.6	93,700	81,700	72,000	64,000	42
44	79.4	204.2	87,200	76,400	67,700	60,300	44
46	78.8	203.8	81,300	71,600	63,700	57,000	46
48	78.2	203.4	76,100	67,300	60,100	53,900	48
50	77.6	202.9	71,300	63,400	56,800	51,100	50
55	76.2	201.7	61,400	55,000	49,600	44,900	55
60	74.7	200.4	53,400	48,100	43,700	39,700	60
65	73.2	198.9	46,900	42,500	38,700	35,300	65
70	71.7	197.2	41,400	37,700	34,500	31,600	70
75	70.2	195.4	36,800	33,600	30,800	28,300	75
80	68.6	193.5	32,900	30,000	27,600	25,400	80
85	67.1	191.4	29,500	27,000	24,800	22,900	85
90	65.5	189.1	26,500	24,200	22,400	20,600	90
95	63.9	186.7	23,800	21,800	20,100	18,600	95
100	62.3	184.1	21,500	19,700	18,200	16,800	100
105	60.6	181.3	19,400	17,700	16,400	15,100	105
110	59.0	178.3	17,500	16,000	14,700	13,600	110
115	57.3	175.1	15,700	14,400	13,300	12,200	115
120	55.5	171.7	14,200	12,900	11,900	10,900	120
125	53.8	168.1	12,700	11,600	10,600	9,800	125
130	52.0	164.2	11,400	10,300	9,500	8,700	130
135	50.1	160.1	10,200	9,200	8,400	7,700	135
140	48.2	155.6	9,100	8,100	7,400	6,800	140
145	46.2	150.9	8,000	7,200	6,500	5,900	145
150	44.2	145.8	7,100	6,200	5,700	5,100	150
155	42.1	140.4	6,200	5,400	4,800	4,300	155
160	39.8	134.5	5,300	4,600	4,100		160
165	37.5	128.1	4,500				165

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
109,100 Lb. Counterweight
28 Ft. 2 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
210 Ft. Boom							
34	82.7	216.1	130,900				34
36	82.1	215.8	119,400				36
38	81.6	215.5	109,500	93,500			38
40	81.0	215.1	101,000	86,900	75,700		40
42	80.5	214.8	93,500	81,000	71,000		42
44	79.9	214.4	86,900	75,700	66,700	59,100	44
46	79.4	214.0	81,100	71,000	62,800	55,900	46
48	78.8	213.6	75,800	66,700	59,200	52,900	48
50	78.2	213.2	71,100	62,800	56,000	50,100	50
55	76.8	212.0	61,100	54,500	48,900	44,000	55
60	75.4	210.7	53,200	47,700	43,000	38,900	60
65	74.0	209.3	46,600	42,000	38,100	34,600	65
70	72.6	207.8	41,200	37,200	33,900	30,900	70
75	71.1	206.1	36,600	33,200	30,300	27,700	75
80	69.7	204.2	32,600	29,700	27,100	24,800	80
85	68.2	202.2	29,200	26,600	24,400	22,300	85
90	66.7	200.1	26,200	23,900	21,900	20,100	90
95	65.2	197.8	23,600	21,500	19,700	18,100	95
100	63.7	195.4	21,200	19,300	17,700	16,300	100
105	62.2	192.7	19,100	17,400	16,000	14,600	105
110	60.6	189.9	17,200	15,600	14,300	13,100	110
115	59.0	187.0	15,500	14,000	12,900	11,800	115
120	57.4	183.8	13,900	12,600	11,500	10,500	120
125	55.8	180.4	12,500	11,200	10,300	9,400	125
130	54.1	176.8	11,100	10,000	9,100	8,300	130
135	52.4	173.0	9,900	8,900	8,100	7,300	135
140	50.6	168.9	8,800	7,800	7,100	6,400	140
145	48.8	164.6	7,800	6,800	6,200	5,500	145
150	46.9	160.0	6,800	5,900	5,300	4,700	150
155	45.0	155.1	5,900	5,100	4,500		155
160	43.0	149.8	5,100	4,300			160
165	41.0	144.1	4,300				165