

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
144,100 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.

250 Ft. boom length requires only the middle two sheaves in lower boom point. All other sheaves must be removed from lower boom point.

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 144,100 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	(a) 250 Ft.	(a) 240 Ft.	220 Ft.
1 Degree	240 Ft.	230 Ft.	210 Ft.
2 Degree	240 Ft.	230 Ft.	210 Ft.
3 Degree	230 Ft.	230 Ft.	210 Ft.
Load block, hook and weight ball on barge deck at start. (a) Upper boom point cannot be used on 250 Ft. boom and cannot be lifted over rear of blocked crawlers on 240 Ft. boom. Jib is not to be used on crawler machine while operating on a barge.			

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70 Ft. Boom							
16	82.8	77.2	406,400 *b				16
17	82.0	77.1	384,000 *b	353,600 *b			17
18	81.1	76.9	363,800 *b	336,200 *b			18
19	80.3	76.7	345,500 *b	320,400 *b	298,500 *b		19
20	79.5	76.5	328,900 *b	305,900 *b	285,800 *b	267,900 *b	20
22	77.8	76.0	299,800 *b	280,400 *b	263,200 *b	240,200 b	22
24	76.1	75.5	275,300 *b	254,300 b	231,600 b	212,300 b	24
26	74.4	74.9	244,500	223,500	205,600	190,000	26
28	72.7	74.2	215,900	199,100	184,500	171,700	28
30	70.9	73.5	192,900	179,200	167,200	156,400	30
32	69.2	72.7	174,200	162,700	152,600	143,500	32
34	67.4	71.8	158,500	148,800	140,200	132,400	34
36	65.6	70.9	145,300	137,000	129,600	122,800	36
38	63.7	69.8	133,900	126,700	120,300	114,400	38
40	61.9	68.7	124,000	117,800	112,200	106,900	40
42	60.0	67.5	115,400	109,900	105,000	100,300	42
44	58.0	66.2	107,800	102,900	98,500	94,400	44
46	56.0	64.8	101,000	96,700	92,800	89,100	46
48	54.0	63.4	94,900	91,100	87,600	84,300	48
50	51.9	61.7	89,500	86,000	82,800	79,900	50
55	46.3	57.1	77,900	75,200	72,800	70,400	55
60	40.1	51.4	68,600	66,500	64,600	62,800	60
65	32.9	44.2	60,900	59,300	57,800	56,400	65
70	23.7	34.1	54,500	53,200	52,100	51,100	70

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80 Ft. Boom							
17	83.0	87.2	383,200 *b				17
18	82.3	87.0	363,000 *b				18
19	81.5	86.9	344,700 *b	316,900 *b			19
20	80.8	86.7	328,100 *b	302,600 *b	280,700 *b		20
22	79.3	86.3	299,100 *b	277,500 *b	258,700 *b	232,400 b	22
24	77.9	85.8	274,500 *b	251,700 b	226,900 b	206,000 b	24
26	76.4	85.3	245,100	221,500	201,700	184,800	26
28	74.9	84.7	216,300	197,400	181,300	167,300	28
30	73.4	84.1	193,300	177,800	164,500	152,700	30
32	71.9	83.4	174,400	161,500	150,300	140,300	32
34	70.4	82.7	158,700	147,800	138,200	129,600	34
36	68.8	81.9	145,400	136,100	127,800	120,300	36
38	67.3	81.0	134,000	125,900	118,700	112,100	38
40	65.7	80.0	124,100	117,000	110,700	104,900	40
42	64.1	79.0	115,500	109,200	103,600	98,400	42
44	62.4	78.0	107,900	102,300	97,300	92,700	44
46	60.8	76.8	101,100	96,100	91,600	87,500	46
48	59.1	75.6	95,000	90,500	86,500	82,700	48
50	57.4	74.3	89,500	85,500	81,800	78,400	50
55	52.9	70.6	77,900	74,700	71,900	69,200	55
60	48.2	66.2	68,600	66,100	63,800	61,700	60
65	43.0	61.0	61,000	58,900	57,100	55,400	65
70	37.3	54.8	54,600	52,900	51,500	50,000	70
75	30.6	46.9	49,100	47,800	46,600	45,500	75
80	22.0	36.0	44,400	43,300	42,400	41,600	80



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90 Ft. Boom							
19	82.5	97.0	344,200 *b				19
20	81.8	96.8	327,600 *b	299,700 *b			20
22	80.5	96.5	298,600 *b	274,900 *b	252,900 b		22
24	79.2	96.1	274,100 *b	249,200 b	222,300 b	200,200 b	24
26	77.9	95.6	245,500	219,500	198,000	180,000	26
28	76.6	95.1	216,700	195,800	178,300	163,300	28
30	75.3	94.6	193,600	176,500	161,900	149,200	30
32	74.0	94.0	174,700	160,400	148,100	137,300	32
34	72.6	93.3	159,000	146,800	136,300	126,900	34
36	71.3	92.6	145,600	135,200	126,100	117,900	36
38	69.9	91.8	134,200	125,100	117,200	110,000	38
40	68.6	91.0	124,300	116,300	109,300	103,000	40
42	67.2	90.1	115,600	108,600	102,400	96,700	42
44	65.8	89.2	108,000	101,700	96,200	91,100	44
46	64.3	88.2	101,100	95,600	90,600	86,000	46
48	62.9	87.2	95,000	90,000	85,500	81,400	48
50	61.4	86.0	89,600	85,000	81,000	77,200	50
55	57.7	82.9	78,000	74,300	71,100	68,100	55
60	53.8	79.3	68,700	65,700	63,200	60,700	60
65	49.6	75.2	61,000	58,600	56,500	54,500	65
70	45.2	70.4	54,700	52,700	50,900	49,300	70
75	40.4	64.7	49,200	47,600	46,100	44,800	75
80	35.0	57.9	44,600	43,200	42,000	40,900	80
85	28.7	49.4	40,500	39,300	38,400	37,400	85
90	20.7	37.7	36,900	35,900	35,200	34,400	90

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100 Ft. Boom							
20	82.7	107.0	327,300 *b				20
22	81.5	106.6	298,300 *b	272,600 *b			22
24	80.3	106.3	273,800 *b	246,500 b	217,800 b		24
26	79.2	105.9	245,900	217,400	194,400	175,300	26
28	78.0	105.4	217,000	194,100	175,300	159,400	28
30	76.8	104.9	193,800	175,100	159,400	145,900	30
32	75.6	104.4	174,900	159,200	145,900	134,400	32
34	74.4	103.8	159,100	145,800	134,400	124,400	34
36	73.2	103.2	145,800	134,300	124,500	115,700	36
38	72.0	102.5	134,300	124,400	115,700	108,000	38
40	70.8	101.8	124,400	115,700	108,100	101,200	40
42	69.6	101.0	115,700	108,000	101,200	95,100	42
44	68.3	100.2	108,100	101,200	95,100	89,600	44
46	67.1	99.3	101,200	95,100	89,600	84,700	46
48	65.8	98.4	95,100	89,600	84,700	80,100	48
50	64.6	97.4	89,700	84,600	80,200	76,000	50
55	61.3	94.7	78,000	74,000	70,500	67,200	55
60	57.9	91.6	68,700	65,500	62,600	59,900	60
65	54.4	88.1	61,100	58,400	56,100	53,800	65
70	50.8	84.1	54,800	52,500	50,500	48,600	70
75	46.9	79.5	49,400	47,400	45,800	44,200	75
80	42.7	74.3	44,700	43,100	41,700	40,400	80
85	38.2	68.1	40,700	39,300	38,100	37,000	85
90	33.1	60.8	37,100	35,900	34,900	34,000	90
95	27.2	51.7	33,900	32,900	32,100	31,300	95
100	19.5	39.4	31,100	30,200	29,600	29,000	100

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110 Ft. Boom							
22	82.3	116.8	297,700 *				22
24	81.2	116.4	273,100 *	243,900			24
26	80.2	116.1	246,200	215,300	190,800		26
28	79.1	115.7	217,200	192,400	172,300	155,500	28
30	78.0	115.2	194,000	173,600	156,800	142,600	30
32	77.0	114.7	175,000	158,000	143,700	131,500	32
34	75.9	114.2	159,200	144,700	132,500	121,800	34
36	74.8	113.6	145,800	133,300	122,700	113,400	36
38	73.7	113.0	134,300	123,500	114,200	105,900	38
40	72.6	112.4	124,400	114,900	106,600	99,300	40
42	71.5	111.7	115,700	107,300	99,900	93,300	42
44	70.4	110.9	108,000	100,500	93,900	88,000	44
46	69.3	110.2	101,100	94,400	88,500	83,100	46
48	68.2	109.3	95,000	89,000	83,600	78,700	48
50	67.0	108.5	89,500	84,000	79,200	74,700	50
55	64.1	106.1	77,900	73,500	69,600	66,000	55
60	61.2	103.4	68,600	65,000	61,800	58,900	60
65	58.1	100.3	60,900	58,000	55,300	52,900	65
70	55.0	96.8	54,600	52,100	49,900	47,800	70
75	51.7	93.0	49,200	47,000	45,200	43,400	75
80	48.2	88.6	44,500	42,700	41,100	39,600	80
85	44.5	83.6	40,500	38,900	37,500	36,300	85
90	40.6	77.9	36,900	35,600	34,400	33,300	90
95	36.3	71.4	33,800	32,600	31,600	30,700	95
100	31.5	63.6	31,000	29,900	29,100	28,300	100
105	25.8	54.0	28,400	27,500	26,800	26,200	105
110	18.6	40.9	26,100	25,300	24,800	24,300	110

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120 Ft. Boom							
22	82.9	126.9	297,200 *				22
24	82.0	126.6	272,700 *	241,200			24
26	81.0	126.2	246,300	213,100	187,300		26
28	80.0	125.9	217,300	190,600	169,300	151,800	28
30	79.1	125.5	194,000	172,100	154,300	139,300	30
32	78.1	125.0	175,000	156,700	141,500	128,600	32
34	77.1	124.5	159,200	143,600	130,500	119,300	34
36	76.1	124.0	145,800	132,300	121,000	111,100	36
38	75.1	123.5	134,300	122,600	112,600	103,900	38
40	74.1	122.9	124,300	114,100	105,200	97,500	40
42	73.1	122.2	115,600	106,500	98,700	91,700	42
44	72.1	121.6	107,900	99,800	92,800	86,500	44
46	71.1	120.9	101,100	93,800	87,400	81,700	46
48	70.1	120.1	94,900	88,400	82,600	77,400	48
50	69.1	119.3	89,400	83,500	78,200	73,500	50
55	66.5	117.2	77,800	73,000	68,800	65,000	55
60	63.8	114.7	68,500	64,600	61,100	57,900	60
65	61.1	112.0	60,800	57,600	54,700	52,100	65
70	58.3	109.0	54,500	51,700	49,300	47,000	70
75	55.4	105.6	49,100	46,700	44,700	42,700	75
80	52.4	101.8	44,400	42,400	40,600	39,000	80
85	49.3	97.5	40,400	38,600	37,100	35,700	85
90	46.0	92.8	36,900	35,300	34,000	32,800	90
95	42.5	87.5	33,700	32,400	31,200	30,100	95
100	38.7	81.4	30,900	29,700	28,800	27,800	100
105	34.6	74.4	28,400	27,400	26,500	25,700	105
110	30.0	66.2	26,200	25,200	24,500	23,800	110
115	24.7	56.1	24,100	23,200	22,600	22,000	115
120	17.7	42.4	22,100	21,400	20,900	20,500	120

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130 Ft. Boom							
24	82.6	136.7	272,400 *				24
26	81.7	136.4	246,500	211,100			26
28	80.8	136.0	217,400	188,900	166,500		28
30	79.9	135.7	194,200	170,700	151,900	136,400	30
32	79.0	135.3	175,100	155,500	139,500	126,000	32
34	78.1	134.8	159,300	142,600	128,800	117,000	34
36	77.2	134.3	145,900	131,500	119,400	109,100	36
38	76.3	133.8	134,400	121,800	111,300	102,100	38
40	75.4	133.3	124,400	113,400	104,000	95,800	40
42	74.5	132.7	115,600	105,900	97,500	90,200	42
44	73.5	132.1	107,900	99,200	91,700	85,100	44
46	72.6	131.5	101,100	93,300	86,500	80,500	46
48	71.7	130.8	95,000	87,900	81,800	76,300	48
50	70.7	130.1	89,400	83,000	77,500	72,400	50
55	68.4	128.1	77,800	72,700	68,200	64,100	55
60	66.0	125.9	68,500	64,300	60,600	57,200	60
65	63.5	123.4	60,800	57,300	54,200	51,400	65
70	61.0	120.7	54,400	51,500	48,900	46,400	70
75	58.4	117.6	49,000	46,500	44,300	42,200	75
80	55.8	114.3	44,400	42,200	40,300	38,500	80
85	53.0	110.6	40,400	38,500	36,800	35,200	85
90	50.2	106.5	36,900	35,200	33,700	32,300	90
95	47.2	101.9	33,700	32,200	31,000	29,800	95
100	44.0	96.8	31,000	29,600	28,500	27,500	100
105	40.7	91.2	28,500	27,300	26,300	25,400	105
110	37.1	84.8	26,200	25,100	24,300	23,500	110
115	33.2	77.4	24,200	23,200	22,500	21,700	115
120	28.8	68.7	22,300	21,400	20,800	20,200	120
125	23.6	58.1	20,500	19,800	19,200	18,700	125
130	17.0	43.8	18,900	18,200	17,800	17,400	130

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140 Ft. Boom							
26	82.3	146.5	246,500				26
28	81.5	146.2	217,400	187,100			28
30	80.6	145.8	194,100	169,200	149,400		30
32	79.8	145.5	175,100	154,200	137,300	123,300	32
34	79.0	145.1	159,200	141,400	126,800	114,600	34
36	78.1	144.6	145,700	130,400	117,700	106,900	36
38	77.3	144.1	134,200	120,900	109,700	100,100	38
40	76.4	143.6	124,200	112,500	102,600	94,000	40
42	75.6	143.1	115,500	105,100	96,300	88,500	42
44	74.7	142.5	107,800	98,500	90,600	83,600	44
46	73.9	141.9	100,900	92,600	85,400	79,100	46
48	73.0	141.3	94,800	87,200	80,700	74,900	48
50	72.2	140.7	89,300	82,400	76,500	71,200	50
55	70.0	138.9	77,600	72,100	67,300	63,000	55
60	67.8	136.8	68,300	63,700	59,800	56,200	60
65	65.5	134.6	60,600	56,800	53,600	50,500	65
70	63.3	132.1	54,200	51,000	48,300	45,700	70
75	60.9	129.3	48,800	46,100	43,700	41,500	75
80	58.5	126.3	44,200	41,800	39,800	37,800	80
85	56.1	123.0	40,200	38,100	36,300	34,600	85
90	53.5	119.3	36,600	34,800	33,200	31,700	90
95	50.9	115.3	33,500	31,900	30,500	29,200	95
100	48.2	110.9	30,700	29,300	28,100	26,900	100
105	45.3	106.1	28,300	26,900	25,900	24,800	105
110	42.3	100.7	26,000	24,800	23,900	23,000	110
115	39.1	94.7	24,000	22,900	22,100	21,300	115
120	35.7	87.9	22,100	21,100	20,400	19,700	120
125	31.9	80.2	20,400	19,500	18,900	18,200	125
130	27.7	71.2	18,800	18,000	17,500	16,900	130
135	22.7	60.1	17,300	16,600	16,200	15,700	135
140	16.3	45.2	15,900	15,300	14,900	14,500	140

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
144,100 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	244,200 *				26
28	82.0	156.3	217,500	185,400			28
30	81.3	156.0	194,200	167,700			30
32	80.5	155.6	175,100	152,900	135,200		32
34	79.7	155.3	159,100	140,200	125,000	112,300	34
36	78.9	154.8	145,700	129,400	116,000	104,800	36
38	78.2	154.4	134,100	119,900	108,200	98,200	38
40	77.4	153.9	124,100	111,600	101,200	92,200	40
42	76.6	153.5	115,300	104,300	94,900	86,900	42
44	75.8	152.9	107,600	97,700	89,300	82,000	44
46	75.0	152.4	100,700	91,800	84,300	77,600	46
48	74.2	151.8	94,600	86,500	79,600	73,600	48
50	73.4	151.2	89,000	81,700	75,400	69,900	50
55	71.4	149.5	77,300	71,500	66,400	61,800	55
60	69.4	147.6	68,000	63,100	59,000	55,200	60
65	67.3	145.6	60,300	56,300	52,800	49,600	65
70	65.2	143.3	53,900	50,500	47,500	44,800	70
75	63.0	140.8	48,500	45,500	43,000	40,600	75
80	60.9	138.0	43,800	41,300	39,100	37,000	80
85	58.6	135.0	39,800	37,600	35,600	33,800	85
90	56.3	131.7	36,300	34,300	32,600	31,000	90
95	54.0	128.1	33,100	31,400	29,900	28,500	95
100	51.6	124.2	30,400	28,800	27,500	26,200	100
105	49.1	119.9	27,900	26,500	25,300	24,200	105
110	46.4	115.2	25,600	24,300	23,300	22,300	110
115	43.7	110.1	23,600	22,400	21,500	20,600	115
120	40.8	104.4	21,700	20,700	19,800	19,000	120
125	37.7	98.1	20,000	19,100	18,300	17,600	125
130	34.4	91.0	18,500	17,600	16,900	16,300	130
135	30.8	82.9	17,000	16,200	15,600	15,100	135
140	26.7	73.5	15,700	14,900	14,400	13,900	140
145	21.9	62.0	14,400	13,700	13,300	12,900	145
150	15.7	46.5	13,200	12,600	12,200	11,900	150

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
144,100 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	217,400				28
30	81.8	166.1	194,000	166,100			30
32	81.1	165.8	174,900	151,500			32
34	80.4	165.4	159,000	139,000	123,100		34
36	79.6	165.1	145,500	128,200	114,300	102,700	36
38	78.9	164.6	133,900	118,900	106,600	96,200	38
40	78.2	164.2	123,900	110,700	99,700	90,400	40
42	77.4	163.7	115,100	103,400	93,600	85,200	42
44	76.7	163.3	107,300	96,900	88,100	80,500	44
46	76.0	162.7	100,500	91,100	83,100	76,200	46
48	75.2	162.2	94,300	85,800	78,600	72,200	48
50	74.5	161.6	88,800	81,000	74,400	68,600	50
55	72.6	160.1	77,000	70,800	65,500	60,700	55
60	70.7	158.3	67,700	62,600	58,200	54,200	60
65	68.8	156.4	60,000	55,700	52,000	48,700	65
70	66.8	154.3	53,600	50,000	46,800	43,900	70
75	64.9	152.0	48,200	45,100	42,400	39,900	75
80	62.9	149.4	43,500	40,800	38,500	36,300	80
85	60.8	146.7	39,500	37,100	35,100	33,100	85
90	58.7	143.6	36,000	33,900	32,100	30,400	90
95	56.6	140.4	32,800	31,000	29,400	27,900	95
100	54.4	136.8	30,100	28,400	27,000	25,600	100
105	52.1	133.0	27,600	26,100	24,800	23,600	105
110	49.8	128.8	25,300	24,000	22,800	21,700	110
115	47.4	124.3	23,300	22,000	21,000	20,100	115
120	44.9	119.3	21,400	20,300	19,400	18,500	120
125	42.2	113.9	19,800	18,700	17,900	17,100	125
130	39.4	108.0	18,200	17,200	16,500	15,800	130
135	36.5	101.4	16,700	15,900	15,200	14,600	135
140	33.3	94.0	15,400	14,600	14,000	13,400	140
145	29.8	85.6	14,200	13,400	12,900	12,400	145
150	25.8	75.7	13,000	12,300	11,900	11,400	150
155	21.2	63.8	11,900	11,300	10,900	10,500	155
160	15.2	47.8	10,800	10,300	9,900	9,600	160

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
144,100 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	213,500 *				28
30	82.3	176.2	194,000				30
32	81.6	175.9	174,900	150,200			32
34	80.9	175.6	158,900	137,900	121,300		34
36	80.3	175.2	145,400	127,300	112,700		36
38	79.6	174.9	133,800	118,000	105,200	94,500	38
40	78.9	174.4	123,800	109,900	98,500	88,800	40
42	78.2	174.0	115,000	102,600	92,400	83,700	42
44	77.5	173.6	107,200	96,200	87,000	79,100	44
46	76.8	173.1	100,300	90,400	82,100	74,900	46
48	76.1	172.6	94,200	85,200	77,600	71,000	48
50	75.4	172.0	88,600	80,500	73,600	67,500	50
55	73.7	170.6	76,900	70,400	64,800	59,800	55
60	71.9	168.9	67,500	62,100	57,500	53,300	60
65	70.1	167.1	59,800	55,300	51,400	47,900	65
70	68.3	165.2	53,400	49,600	46,300	43,300	70
75	66.4	163.0	48,000	44,700	41,900	39,200	75
80	64.6	160.6	43,400	40,500	38,000	35,700	80
85	62.7	158.1	39,300	36,800	34,600	32,600	85
90	60.8	155.3	35,800	33,600	31,600	29,800	90
95	58.8	152.3	32,700	30,700	29,000	27,400	95
100	56.8	149.1	29,900	28,100	26,600	25,200	100
105	54.7	145.6	27,400	25,800	24,400	23,200	105
110	52.6	141.8	25,200	23,700	22,500	21,300	110
115	50.4	137.7	23,100	21,800	20,700	19,700	115
120	48.2	133.3	21,300	20,100	19,100	18,100	120
125	45.9	128.5	19,600	18,500	17,600	16,700	125
130	43.4	123.3	18,000	17,000	16,200	15,400	130
135	40.9	117.6	16,600	15,600	14,900	14,200	135
140	38.2	111.4	15,300	14,400	13,700	13,100	140
145	35.3	104.5	14,000	13,200	12,600	12,000	145
150	32.2	96.8	12,900	12,100	11,600	11,100	150
155	28.8	88.1	11,800	11,100	10,600	10,200	155
160	25.0	77.9	10,800	10,100	9,700	9,300	160
165	20.5	65.6	9,800	9,200	8,900	8,500	165

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
144,100 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	193,900				30
32	82.1	186.0	174,700				32
34	81.4	185.7	158,700	136,700			34
36	80.8	185.4	145,200	126,100	111,100		36
38	80.2	185.0	133,600	117,000	103,700		38
40	79.5	184.6	123,500	108,900	97,100	87,100	40
42	78.9	184.2	114,700	101,800	91,100	82,100	42
44	78.2	183.8	107,000	95,400	85,800	77,600	44
46	77.6	183.4	100,100	89,600	81,000	73,500	46
48	76.9	182.9	93,900	84,500	76,600	69,700	48
50	76.2	182.4	88,300	79,800	72,500	66,200	50
55	74.6	181.0	76,600	69,700	63,900	58,700	55
60	72.9	179.5	67,200	61,500	56,700	52,400	60
65	71.2	177.8	59,500	54,800	50,700	47,000	65
70	69.5	175.9	53,100	49,100	45,600	42,400	70
75	67.8	173.9	47,700	44,200	41,200	38,500	75
80	66.1	171.7	43,000	40,000	37,400	35,000	80
85	64.3	169.3	39,000	36,300	34,000	31,900	85
90	62.5	166.8	35,500	33,100	31,100	29,200	90
95	60.7	164.0	32,300	30,200	28,400	26,700	95
100	58.9	161.0	29,600	27,700	26,100	24,500	100
105	57.0	157.8	27,100	25,400	23,900	22,600	105
110	55.0	154.3	24,800	23,300	22,000	20,700	110
115	53.0	150.6	22,800	21,400	20,200	19,100	115
120	51.0	146.6	21,000	19,600	18,600	17,600	120
125	48.9	142.3	19,300	18,100	17,100	16,200	125
130	46.7	137.6	17,700	16,600	15,700	14,900	130
135	44.5	132.6	16,300	15,200	14,500	13,700	135
140	42.1	127.1	14,900	14,000	13,300	12,600	140
145	39.7	121.2	13,700	12,800	12,200	11,500	145
150	37.1	114.7	12,600	11,700	11,200	10,600	150
155	34.3	107.6	11,500	10,700	10,200	9,700	155
160	31.3	99.6	10,500	9,800	9,300	8,800	160
165	28.0	90.6	9,500	8,900	8,400	8,000	165
170	24.3	80.0	8,600	8,000	7,600	7,300	170
175	19.9	67.3	7,800	7,200	6,900	6,600	175

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
144,100 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	196.2	174,600				32
34	81.9	195.9	158,600	135,500			34
36	81.3	195.5	145,100	125,100			36
38	80.7	195.2	133,400	116,000	102,200		38
40	80.1	194.8	123,300	108,000	95,700		40
42	79.4	194.4	114,500	100,900	89,900	80,600	42
44	78.8	194.0	106,700	94,600	84,600	76,200	44
46	78.2	193.6	99,800	88,900	79,800	72,100	46
48	77.6	193.2	93,600	83,700	75,500	68,400	48
50	77.0	192.7	88,100	79,100	71,500	65,000	50
55	75.4	191.4	76,300	69,100	62,900	57,600	55
60	73.9	189.9	66,900	60,900	55,900	51,300	60
65	72.3	188.4	59,200	54,200	49,900	46,100	65
70	70.7	186.6	52,700	48,500	44,900	41,500	70
75	69.1	184.7	47,300	43,600	40,500	37,600	75
80	67.4	182.7	42,600	39,400	36,700	34,200	80
85	65.8	180.4	38,600	35,800	33,400	31,100	85
90	64.1	178.0	35,000	32,500	30,400	28,400	90
95	62.4	175.4	31,900	29,700	27,800	26,000	95
100	60.7	172.6	29,100	27,100	25,400	23,800	100
105	58.9	169.6	26,600	24,800	23,300	21,900	105
110	57.1	166.4	24,400	22,700	21,400	20,100	110
115	55.3	163.0	22,400	20,800	19,600	18,400	115
120	53.4	159.3	20,500	19,100	18,000	16,900	120
125	51.5	155.4	18,800	17,500	16,500	15,500	125
130	49.5	151.2	17,300	16,100	15,100	14,200	130
135	47.5	146.7	15,800	14,700	13,900	13,100	135
140	45.4	141.8	14,500	13,500	12,700	12,000	140
145	43.2	136.5	13,300	12,300	11,600	10,900	145
150	40.9	130.9	12,100	11,200	10,600	10,000	150
155	38.5	124.7	11,000	10,200	9,600	9,100	155
160	36.0	118.0	10,000	9,300	8,700	8,200	160
165	33.3	110.6	9,100	8,400	7,900	7,400	165
170	30.4	102.3	8,200	7,500	7,100	6,700	170
175	27.2	93.0	7,400	6,800	6,300	5,900	175
180	23.6	82.1	6,600	6,000	5,600	5,300	180
185	19.4	68.9	5,800	5,300	5,000	4,600	185

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
144,100 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	206.3	171,000 *				32
34	82.3	206.0	158,400				34
36	81.7	205.7	144,800	124,000			36
38	81.1	205.3	133,100	115,000			38
40	80.6	205.0	123,100	107,100	93,100 *		40
42	80.0	204.6	114,200	100,000	88,600	72,800 *	42
44	79.4	204.2	106,400	93,700	83,400	72,800 *	44
46	78.8	203.8	99,500	88,100	78,700	70,700	46
48	78.2	203.4	93,300	83,000	74,400	67,100	48
50	77.6	203.0	87,700	78,300	70,500	63,800	50
55	76.2	201.7	75,900	68,400	62,000	56,500	55
60	74.7	200.4	66,500	60,300	55,000	50,300	60
65	73.2	198.9	58,800	53,600	49,100	45,200	65
70	71.7	197.2	52,400	47,900	44,100	40,700	70
75	70.2	195.4	46,900	43,100	39,800	36,800	75
80	68.6	193.5	42,300	38,900	36,100	33,400	80
85	67.1	191.4	38,200	35,300	32,700	30,400	85
90	65.5	189.1	34,700	32,000	29,800	27,800	90
95	63.9	186.7	31,500	29,200	27,200	25,400	95
100	62.3	184.1	28,700	26,600	24,900	23,200	100
105	60.6	181.3	26,300	24,300	22,700	21,200	105
110	59.0	178.3	24,000	22,300	20,800	19,500	110
115	57.3	175.1	22,000	20,400	19,100	17,800	115
120	55.5	171.7	20,100	18,700	17,500	16,300	120
125	53.8	168.1	18,400	17,100	16,000	15,000	125
130	52.0	164.2	16,900	15,600	14,600	13,700	130
135	50.1	160.1	15,400	14,300	13,400	12,500	135
140	48.2	155.6	14,100	13,000	12,200	11,400	140
145	46.2	150.9	12,900	11,900	11,100	10,400	145
150	44.2	145.8	11,700	10,800	10,100	9,400	150
155	42.1	140.4	10,700	9,800	9,200	8,500	155
160	39.8	134.5	9,700	8,900	8,300	7,700	160
165	37.5	128.1	8,700	8,000	7,400	6,900	165
170	35.1	121.1	7,900	7,100	6,600	6,200	170
175	32.4	113.4	7,000	6,400	5,900	5,500	175
180	29.6	104.9	6,200	5,600	5,200	4,800	180
185	26.5	95.3	5,500	4,900	4,500	4,200	185
190	23.0	84.1	4,800	4,200			190
195	18.9	70.6	4,100				195

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
144,100 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	158,200				34
36	82.1	215.8	144,600				36
38	81.6	215.5	133,000	112,000 *			38
40	81.0	215.1	122,900	106,200	83,000 *		40
42	80.5	214.8	114,000	99,200	82,900 *		42
44	79.9	214.4	106,200	93,000	82,300	64,400 *	44
46	79.4	214.0	99,300	87,400	77,700	64,300 *	46
48	78.8	213.6	93,100	82,300	73,400	64,300 *	48
50	78.2	213.2	87,500	77,700	69,600	62,600	50
55	76.8	212.0	75,700	67,800	61,200	55,500	55
60	75.4	210.8	66,300	59,800	54,300	49,500	60
65	74.0	209.3	58,600	53,100	48,500	44,400	65
70	72.6	207.8	52,100	47,500	43,500	40,000	70
75	71.1	206.1	46,700	42,700	39,200	36,100	75
80	69.7	204.2	42,000	38,500	35,500	32,800	80
85	68.2	202.2	37,900	34,900	32,200	29,800	85
90	66.7	200.1	34,400	31,700	29,300	27,200	90
95	65.2	197.8	31,300	28,800	26,700	24,800	95
100	63.7	195.4	28,500	26,300	24,400	22,700	100
105	62.2	192.7	26,000	24,000	22,300	20,700	105
110	60.6	189.9	23,700	21,900	20,400	19,000	110
115	59.0	187.0	21,700	20,000	18,700	17,400	115
120	57.4	183.8	19,800	18,300	17,100	15,900	120
125	55.8	180.4	18,200	16,700	15,600	14,500	125
130	54.1	176.8	16,600	15,300	14,200	13,300	130
135	52.4	173.0	15,200	14,000	13,000	12,100	135
140	50.6	168.9	13,800	12,700	11,800	11,000	140
145	48.8	164.6	12,600	11,600	10,800	10,000	145
150	46.9	160.0	11,500	10,500	9,700	9,000	150
155	45.0	155.1	10,400	9,500	8,800	8,100	155
160	43.0	149.8	9,400	8,600	7,900	7,300	160
165	41.0	144.1	8,500	7,700	7,100	6,500	165
170	38.8	138.0	7,600	6,800	6,300	5,800	170
175	36.6	131.4	6,800	6,100	5,600	5,100	175
180	34.2	124.2	6,000	5,300	4,900	4,400	180
185	31.6	116.3	5,300	4,600	4,200		185
190	28.9	107.5	4,500				190

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
144,100 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
220 Ft. Boom							
34	83.0	226.2	147,500 *				34
36	82.5	225.9	144,300				36
38	82.0	225.6	132,700	100,400 *			38
40	81.4	225.3	122,600	100,300 *			40
42	80.9	224.9	113,700	98,300	73,800 *		42
44	80.4	224.6	105,900	92,100	73,800 *		44
46	79.8	224.2	99,000	86,600	73,700 *	56,800 *	46
48	79.3	223.8	92,800	81,500	72,400	56,800 *	48
50	78.8	223.4	87,200	77,000	68,600	56,700 *	50
55	77.5	222.3	75,400	67,100	60,300	54,400	55
60	76.1	221.1	65,900	59,200	53,500	48,500	60
65	74.8	219.7	58,200	52,500	47,700	43,500	65
70	73.4	218.3	51,700	46,900	42,800	39,100	70
75	72.0	216.6	46,300	42,100	38,600	35,400	75
80	70.7	214.9	41,600	38,000	34,900	32,000	80
85	69.3	213.0	37,600	34,300	31,600	29,100	85
90	67.9	211.0	34,000	31,200	28,700	26,500	90
95	66.4	208.8	30,900	28,300	26,200	24,200	95
100	65.0	206.5	28,100	25,800	23,800	22,000	100
105	63.6	204.0	25,600	23,500	21,800	20,100	105
110	62.1	201.4	23,300	21,400	19,900	18,400	110
115	60.6	198.6	21,300	19,600	18,100	16,800	115
120	59.1	195.6	19,500	17,900	16,500	15,300	120
125	57.5	192.5	17,800	16,300	15,100	13,900	125
130	56.0	189.1	16,200	14,800	13,700	12,700	130
135	54.4	185.6	14,800	13,500	12,500	11,500	135
140	52.7	181.8	13,500	12,300	11,300	10,400	140
145	51.1	177.8	12,200	11,100	10,300	9,400	145
150	49.4	173.5	11,100	10,100	9,300	8,500	150
155	47.6	169.0	10,000	9,100	8,300	7,600	155
160	45.8	164.2	9,000	8,100	7,400	6,800	160
165	43.9	159.1	8,100	7,200	6,600	6,000	165
170	42.0	153.6	7,200	6,400	5,800	5,300	170
175	40.0	147.7	6,400	5,600	5,100	4,600	175
180	37.9	141.4	5,600	4,900	4,400		180
185	35.7	134.6	4,900	4,200			185
190	33.4	127.1	4,200				190

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
144,100 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
230 Ft. Boom							
36	82.8	236.0	133,600 *				36
38	82.3	235.7	132,500				38
40	81.8	235.4	122,400	90,200 *			40
42	81.3	235.1	113,500	90,100 *			42
44	80.8	234.7	105,700	89,900 *	65,700 *		44
46	80.3	234.4	98,700	85,800	65,600 *		46
48	79.8	234.0	92,500	80,800	65,500 *	50,000 *	48
50	79.3	233.6	86,900	76,300	65,400 *	50,000 *	50
55	78.0	232.6	75,100	66,500	59,400	49,800 *	55
60	76.7	231.4	65,600	58,500	52,600	47,500	60
65	75.4	230.1	57,800	51,900	46,900	42,500	65
70	74.1	228.7	51,400	46,300	42,100	38,300	70
75	72.8	227.2	45,900	41,500	37,900	34,500	75
80	71.5	225.5	41,200	37,400	34,200	31,300	80
85	70.2	223.7	37,100	33,800	30,900	28,400	85
90	68.9	221.8	33,600	30,600	28,100	25,800	90
95	67.5	219.7	30,400	27,800	25,500	23,400	95
100	66.2	217.5	27,600	25,200	23,200	21,300	100
105	64.8	215.2	25,100	23,000	21,100	19,400	105
110	63.4	212.7	22,900	20,900	19,200	17,700	110
115	62.0	210.1	20,800	19,000	17,500	16,100	115
120	60.6	207.3	19,000	17,300	15,900	14,600	120
125	59.1	204.3	17,300	15,700	14,500	13,300	125
130	57.6	201.1	15,700	14,300	13,100	12,100	130
135	56.1	197.8	14,300	13,000	11,900	10,900	135
140	54.6	194.3	13,000	11,700	10,800	9,800	140
145	53.1	190.6	11,700	10,600	9,700	8,800	145
150	51.5	186.6	10,600	9,500	8,700	7,900	150
155	49.9	182.4	9,500	8,500	7,700	7,000	155
160	48.2	178.0	8,500	7,600	6,900	6,200	160
165	46.5	173.3	7,600	6,700	6,000	5,400	165
170	44.7	168.3	6,700	5,900	5,300	4,700	170
175	42.9	163.0	5,900	5,100	4,500	4,000	175
180	41.0	157.3	5,100	4,400			180
185	39.1	151.3	4,400				185

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL
144,100 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	Oper. Radius Feet
240 Ft. Boom						
38	82.6	245.8	121,300 *			38
40	82.2	245.5	121,000 *			40
42	81.7	245.2	113,200	81,300 *		42
44	81.2	244.9	105,300	81,100 *		44
46	80.7	244.6	98,400	81,000 *	58,700 *	46
48	80.2	244.2	92,100	80,000	58,600 *	48
50	79.7	243.8	86,500	75,500	58,500 *	50
55	78.5	242.8	74,700	65,800	58,200 *	55
60	77.3	241.7	65,200	57,900	51,800	60
65	76.1	240.5	57,400	51,300	46,100	65
70	74.8	239.1	51,000	45,700	41,300	70
75	73.6	237.6	45,500	41,000	37,100	75
80	72.3	236.1	40,800	36,900	33,500	80
85	71.1	234.4	36,700	33,300	30,300	85
90	69.8	232.5	33,200	30,100	27,500	90
95	68.5	230.6	30,000	27,300	24,900	95
100	67.2	228.5	27,200	24,700	22,600	100
105	65.9	226.3	24,700	22,500	20,600	105
110	64.6	223.9	22,500	20,400	18,700	110
115	63.3	221.4	20,400	18,500	17,000	115
120	61.9	218.7	18,600	16,800	15,400	120
125	60.5	215.9	16,900	15,300	13,900	125
130	59.2	213.0	15,300	13,800	12,600	130
135	57.7	209.8	13,900	12,500	11,400	135
140	56.3	206.5	12,500	11,300	10,200	140
145	54.9	203.0	11,300	10,100	9,200	145
150	53.4	199.3	10,200	9,000	8,200	150
155	51.9	195.4	9,100	8,100	7,200	155
160	50.3	191.3	8,100	7,100	6,400	160
165	48.7	187.0	7,200	6,200	5,500	165
170	47.1	182.4	6,300	5,400	4,800	170
175	45.4	177.5	5,500	4,600	4,000	175
180	43.7	172.3	4,700			180
185	41.9	166.8	4,000			185

Liftcrane Boom Capacities

888 SERIES 1

Boom No. 22EL

144,100 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
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	105,600
46	81.1	254.7	98,600
48	80.6	254.4	92,400
50	80.1	254.0	86,700
55	79.0	253.0	74,900
60	77.8	252.0	65,400
65	76.6	250.8	57,600
70	75.4	249.5	51,200
75	74.3	248.1	45,700
80	73.1	246.6	41,000
85	71.9	244.9	36,900
90	70.6	243.2	33,300
95	69.4	241.3	30,200
100	68.2	239.3	27,400
105	66.9	237.2	24,900
110	65.7	235.0	22,600
115	64.4	232.6	20,600
120	63.1	230.1	18,700
125	61.8	227.4	17,000
130	60.5	224.6	15,500
135	59.2	221.6	14,100
140	57.8	218.5	12,700
145	56.5	215.2	11,500
150	55.1	211.7	10,400
155	53.6	208.1	9,300
160	52.2	204.2	8,300
165	50.7	200.2	7,400
170	49.2	195.9	6,500
175	47.7	191.4	5,700
180	46.1	186.6	4,900
185	44.5	181.6	4,200