

Liftcrane Boom Capacities

Boom No. 22 With Open Throat Top
104,400 lb Counterweight
24 ft 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 (*).

Upper boom point capacity for liftcrane service with single part whip line, or combination of two single part lines, is 28,300 lbs (20,000 lbs when rear auxiliary drum is used). In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

Weight of upper boom point, 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. 43952, 43698, or 48168**, and Wire Rope Specification chart **No. 5320**. 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 24 ft extendible crawlers, 48 in. treads, 15 ft retractable gantry, 10 part (#43952), 10 or 12 part (#43698) or 12 part (#48168) boom hoist reeving, four 1-3/8 in. boom pendants. First counterweight equals 40,100 lbs; second counterweight equals 35,800 lbs; third counterweight equals 28,500 lbs.

Jib is not to be used on crawler machine while operating on a barge.

Upper Boom Point Deduct	
Equipped	Deduct
One Sheave Point	1,200 lbs
Two Sheave Point	1,500 lbs

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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
70.0 ft							
17	79.0	75.8	300,000 *	262,100 *	230,800 *		17
18	78.2	75.6	285,000 *	245,600 *	218,000 *	193,900 *	18
19	77.3	75.4	267,300 *	230,900 *	206,500 *	184,600 *	19
20	76.5	75.2	249,900 *	214,900	196,000	175,200	20
22	74.8	74.7	212,500	185,200	170,300	153,900	22
24	73.1	74.1	183,300	162,500	150,300	137,100	24
26	71.4	73.4	160,900	144,500	134,300	123,400	26
28	69.7	72.7	143,200	130,000	121,300	112,100	28
30	67.9	72.0	128,800	118,000	110,400	102,600	30
32	66.1	71.1	116,900	107,900	101,200	94,500	32
34	64.3	70.2	106,900	99,300	93,400	87,500	34
36	62.5	69.2	98,400	91,900	86,600	81,400	36
38	60.6	68.1	91,000	85,400	80,700	76,000	38
40	58.7	66.9	84,600	79,800	75,400	71,300	40
45	53.8	63.6	71,700	68,200	64,700	61,500	45
50	48.6	59.6	61,900	59,300	56,400	53,900	50
55	42.8	54.7	54,200	52,300	49,800	47,800	55
60	36.4	48.7	48,000	46,600	44,500	42,800	60
65	28.8	40.8	43,000	42,000	40,100	38,800	65
70	18.6	29.5	38,700	38,100	36,500	35,400	70
80.0 ft							
17	80.4	86.0	294,000 *	256,200 *			17
18	79.7	85.8	281,600 *	240,300 *			18
19	78.9	85.6	266,500 *	226,100 *	199,100 *		19
20	78.2	85.4	249,100 *	210,300	189,200 *	168,000 *	20
22	76.8	85.0	212,200	181,600	165,900	148,500	22
24	75.3	84.5	183,000	159,600	146,700	132,600	24
26	73.8	83.9	160,500	142,100	131,300	119,600	26
28	72.3	83.3	142,800	127,900	118,700	108,800	28
30	70.8	82.6	128,400	116,100	108,100	99,700	30
32	69.3	81.9	116,500	106,200	99,200	91,900	32
34	67.7	81.1	106,500	97,800	91,500	85,100	34
36	66.2	80.3	97,900	90,500	84,900	79,200	36
38	64.6	79.4	90,500	84,100	79,100	74,000	38
40	63.0	78.4	84,100	78,500	73,900	69,400	40
45	58.9	75.6	71,200	67,100	63,400	59,900	45
50	54.6	72.3	61,400	58,300	55,200	52,400	50
55	50.1	68.5	53,700	51,300	48,700	46,400	55
60	45.2	63.9	47,500	45,700	43,400	41,500	60
65	39.9	58.5	42,400	41,000	39,100	37,500	65
70	34.0	51.8	38,200	37,100	35,400	34,000	70
75	26.9	43.3	34,600	33,800	32,200	31,100	75
80	17.4	31.0	31,500	30,900	29,600	28,700	80

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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
90.0 ft							
17	81.5	96.1	267,100 *				17
18	80.8	95.9	262,000 *	235,300 *			18
19	80.2	95.8	256,000 *	221,600 *			19
20	79.5	95.6	249,300 *	206,000	182,800 *		20
22	78.2	95.2	211,900	178,200	161,700	143,500	22
24	76.9	94.8	182,600	156,800	143,300	128,400	24
26	75.6	94.3	160,200	139,700	128,400	116,000	26
28	74.3	93.7	142,400	125,900	116,200	105,700	28
30	73.0	93.2	128,000	114,300	105,900	97,000	30
32	71.7	92.5	116,100	104,600	97,200	89,400	32
34	70.3	91.8	106,000	96,300	89,800	82,900	34
36	68.9	91.1	97,500	89,100	83,300	77,200	36
38	67.6	90.3	90,100	82,900	77,600	72,200	38
40	66.2	89.4	83,700	77,400	72,500	67,700	40
45	62.7	87.1	70,700	66,100	62,200	58,400	45
50	59.0	84.3	60,900	57,400	54,100	51,100	50
55	55.2	81.0	53,200	50,500	47,700	45,200	55
60	51.2	77.3	47,000	44,900	42,500	40,400	60
65	47.0	73.0	41,900	40,200	38,100	36,400	65
70	42.5	67.9	37,700	36,300	34,500	33,000	70
75	37.6	62.0	34,100	33,000	31,400	30,100	75
80	32.0	54.8	31,000	30,100	28,700	27,500	80
85	25.4	45.6	28,300	27,600	26,300	25,400	85
90	16.4	32.5	25,900	25,500	24,300	23,500	90
100.0 ft							
19	81.2	105.9	243,000 *				19
20	80.6	105.8	240,000 *	201,600			20
22	79.4	105.4	211,500	174,800	157,600		22
24	78.3	105.0	182,200	153,900	139,800	124,300	24
26	77.1	104.6	159,700	137,300	125,500	112,500	26
28	75.9	104.1	141,900	123,700	113,600	102,600	28
30	74.7	103.6	127,500	112,400	103,600	94,200	30
32	73.5	103.0	115,500	102,900	95,200	86,900	32
34	72.3	102.4	105,500	94,700	87,900	80,600	34
36	71.1	101.7	96,900	87,700	81,500	75,100	36
38	69.9	101.0	89,500	81,500	75,900	70,200	38
40	68.7	100.3	83,100	76,000	71,000	65,800	40
45	65.6	98.2	70,100	64,900	60,800	56,700	45
50	62.4	95.7	60,200	56,300	52,900	49,600	50
55	59.1	92.9	52,500	49,400	46,600	43,900	55
60	55.7	89.7	46,300	43,900	41,400	39,100	60
65	52.2	86.1	41,200	39,300	37,100	35,200	65
70	48.4	81.9	37,000	35,400	33,400	31,800	70
75	44.5	77.2	33,400	32,100	30,300	28,900	75
80	40.2	71.7	30,300	29,200	27,600	26,400	80
85	35.6	65.3	27,600	26,700	25,300	24,200	85
90	30.3	57.6	25,200	24,500	23,200	22,300	90
95	24.0	47.8	23,100	22,600	21,400	20,600	95
100	15.6	33.9	21,200	20,900	19,800	19,200	100

Liftcrane Boom Capacities

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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
110.0 ft							
20	81.5	115.9	215,900 *				20
22	80.4	115.6	211,200	171,600			22
24	79.3	115.2	181,900	151,300	136,700		24
26	78.3	114.8	159,400	135,100	122,800	109,200	26
28	77.2	114.4	141,500	121,800	111,300	99,800	28
30	76.1	113.9	127,100	110,800	101,600	91,700	30
32	75.1	113.4	115,100	101,400	93,400	84,700	32
34	74.0	112.8	105,100	93,400	86,200	78,600	34
36	72.9	112.2	96,500	86,400	80,000	73,200	36
38	71.8	111.6	89,100	80,300	74,600	68,500	38
40	70.7	110.9	82,700	75,000	69,700	64,200	40
45	67.9	109.0	69,700	64,000	59,700	55,400	45
50	65.1	106.9	59,800	55,500	51,900	48,400	50
55	62.2	104.4	52,100	48,700	45,700	42,800	55
60	59.2	101.6	45,900	43,200	40,600	38,100	60
65	56.1	98.4	40,800	38,600	36,300	34,200	65
70	52.9	94.8	36,600	34,700	32,700	30,900	70
75	49.6	90.8	32,900	31,400	29,600	28,100	75
80	46.1	86.3	29,800	28,600	26,900	25,600	80
85	42.3	81.2	27,100	26,100	24,600	23,400	85
90	38.3	75.3	24,700	23,900	22,500	21,500	90
95	33.9	68.4	22,700	21,900	20,700	19,800	95
100	28.9	60.2	20,800	20,200	19,100	18,300	100
105	22.9	49.9	19,100	18,700	17,700	16,900	105

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120.0 ft							
22	81.2	125.7	186,800 *				22
24	80.2	125.4	181,500	148,600			24
26	79.3	125.0	158,900	132,800	120,100		26
28	78.3	124.6	141,100	119,800	108,900	96,900	28
30	77.3	124.2	126,600	109,000	99,500	89,100	30
32	76.3	123.7	114,600	99,800	91,500	82,400	32
34	75.4	123.2	104,600	91,900	84,500	76,500	34
36	74.4	122.7	96,000	85,100	78,400	71,300	36
38	73.4	122.1	88,600	79,100	73,100	66,700	38
40	72.4	121.5	82,100	73,800	68,300	62,600	40
45	69.9	119.8	69,100	62,900	58,500	53,900	45
50	67.3	117.8	59,300	54,500	50,800	47,100	50
55	64.7	115.6	51,500	47,700	44,600	41,600	55
60	62.0	113.1	45,300	42,300	39,600	37,000	60
65	59.3	110.2	40,200	37,700	35,400	33,200	65
70	56.4	107.1	35,900	33,900	31,800	29,900	70
75	53.5	103.6	32,300	30,600	28,700	27,100	75
80	50.5	99.7	29,200	27,800	26,100	24,600	80
85	47.3	95.3	26,500	25,300	23,800	22,500	85
90	44.0	90.4	24,100	23,100	21,700	20,600	90
95	40.4	84.9	22,000	21,200	19,900	18,900	95
100	36.6	78.7	20,200	19,400	18,300	17,300	100
105	32.4	71.4	18,500	17,900	16,800	16,000	105
110	27.6	62.7	17,000	16,500	15,500	14,800	110
115	21.9	51.9	15,600	15,200	14,300	13,700	115

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130.0 ft							
24	81.0	135.5	181,400	146,400			24
26	80.1	135.2	158,800	130,900			26
28	79.2	134.8	141,000	118,200	107,000		28
30	78.3	134.4	126,500	107,600	97,900	87,100	30
32	77.4	134.0	114,500	98,600	90,000	80,600	32
34	76.5	133.5	104,500	90,900	83,200	74,900	34
36	75.6	133.0	95,900	84,100	77,300	69,900	36
38	74.7	132.5	88,500	78,200	72,000	65,400	38
40	73.8	131.9	82,000	73,000	67,400	61,400	40
45	71.5	130.4	69,000	62,300	57,700	52,900	45
50	69.1	128.6	59,100	53,900	50,100	46,300	50
55	66.7	126.5	51,400	47,300	44,100	40,900	55
60	64.3	124.3	45,200	41,900	39,100	36,400	60
65	61.8	121.7	40,100	37,300	34,900	32,600	65
70	59.3	118.9	35,800	33,500	31,400	29,400	70
75	56.7	115.8	32,200	30,300	28,300	26,600	75
80	54.0	112.3	29,100	27,400	25,700	24,200	80
85	51.3	108.5	26,300	25,000	23,400	22,000	85
90	48.4	104.3	24,000	22,800	21,400	20,100	90
95	45.4	99.6	21,900	20,900	19,500	18,500	95
100	42.2	94.4	20,000	19,100	17,900	16,900	100
105	38.8	88.5	18,300	17,600	16,500	15,600	105
110	35.1	81.9	16,800	16,200	15,200	14,400	110
115	31.1	74.2	15,500	14,900	14,000	13,300	115
120	26.5	65.1	14,200	13,800	12,900	12,200	120
125	21.0	53.8	13,100	12,700	11,900	11,300	125

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4000W
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140.0 ft							
26	80.8	145.3	157,000 *	128,800			26
28	80.0	145.0	140,500	116,300			28
30	79.2	144.6	126,000	105,900	95,900		30
32	78.3	144.2	114,100	97,100	88,200	78,400	32
34	77.5	143.8	104,000	89,400	81,600	72,900	34
36	76.6	143.3	95,400	82,800	75,700	68,000	36
38	75.8	142.8	87,900	77,000	70,600	63,700	38
40	75.0	142.3	81,500	71,800	66,000	59,800	40
45	72.8	140.9	68,400	61,200	56,500	51,600	45
50	70.7	139.2	58,600	53,000	49,100	45,000	50
55	68.5	137.4	50,800	46,400	43,100	39,700	55
60	66.3	135.3	44,600	41,000	38,100	35,300	60
65	64.0	132.9	39,500	36,500	34,000	31,600	65
70	61.7	130.4	35,200	32,700	30,500	28,400	70
75	59.4	127.6	31,600	29,500	27,500	25,600	75
80	57.0	124.5	28,500	26,700	24,900	23,200	80
85	54.5	121.1	25,700	24,200	22,600	21,100	85
90	51.9	117.3	23,400	22,100	20,600	19,300	90
95	49.3	113.2	21,300	20,100	18,800	17,600	95
100	46.5	108.7	19,400	18,400	17,200	16,100	100
105	43.6	103.7	17,700	16,900	15,700	14,800	105
110	40.6	98.2	16,200	15,500	14,400	13,500	110
115	37.3	92.0	14,800	14,200	13,200	12,400	115
120	33.8	85.0	13,600	13,100	12,100	11,400	120
125	29.9	76.9	12,500	12,000	11,100	10,500	125
130	25.5	67.4	11,400	11,000	10,200	9,600	130
135	20.3	55.6	10,500	10,200	9,400	8,900	135

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150.0 ft							
26	81.4	155.4	157,000 *				26
28	80.7	155.1	140,100	114,500			28
30	79.9	154.8	125,600	104,300			30
32	79.1	154.4	113,600	95,600	86,500		32
34	78.3	154.0	103,500	88,100	80,000	71,100	34
36	77.6	153.6	94,900	81,600	74,300	66,300	36
38	76.8	153.1	87,500	75,900	69,300	62,100	38
40	76.0	152.6	81,000	70,800	64,800	58,300	40
45	74.0	151.3	68,000	60,300	55,400	50,300	45
50	72.0	149.8	58,100	52,100	48,100	43,900	50
55	70.0	148.0	50,400	45,600	42,200	38,700	55
60	67.9	146.1	44,100	40,300	37,300	34,300	60
65	65.9	144.0	39,000	35,800	33,200	30,700	65
70	63.8	141.6	34,700	32,100	29,800	27,600	70
75	61.6	139.1	31,100	28,800	26,800	24,800	75
80	59.4	136.2	28,000	26,000	24,200	22,500	80
85	57.2	133.1	25,300	23,600	21,900	20,400	85
90	54.9	129.8	22,900	21,400	19,900	18,500	90
95	52.5	126.1	20,800	19,500	18,100	16,900	95
100	50.0	122.1	18,900	17,800	16,500	15,400	100
105	47.5	117.7	17,200	16,300	15,100	14,100	105
110	44.9	112.9	15,700	14,900	13,800	12,800	110
115	42.1	107.6	14,300	13,600	12,600	11,700	115
120	39.1	101.8	13,100	12,500	11,500	10,700	120
125	36.0	95.3	12,000	11,400	10,500	9,800	125
130	32.6	88.0	10,900	10,400	9,600	9,000	130
135	28.9	79.6	10,000	9,600	8,800	8,200	135
140	24.6	69.7	9,100	8,700	8,000	7,500	140
145	19.6	57.3	8,200	8,000	7,300	6,800	145

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4000W
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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
160.0 ft							
28	81.3	165.2	139,700				28
30	80.5	164.9	125,200	102,700			30
32	79.8	164.6	113,200	94,100			32
34	79.1	164.2	103,000	86,700	78,400		34
36	78.3	163.8	94,400	80,300	72,800	64,600	36
38	77.6	163.4	87,000	74,600	67,900	60,500	38
40	76.9	162.9	80,500	69,600	63,500	56,800	40
45	75.0	161.7	67,400	59,300	54,300	48,900	45
50	73.2	160.2	57,500	51,200	47,000	42,700	50
55	71.3	158.6	49,800	44,700	41,200	37,600	55
60	69.4	156.9	43,600	39,400	36,400	33,300	60
65	67.5	154.9	38,400	35,000	32,400	29,700	65
70	65.5	152.7	34,100	31,300	28,900	26,600	70
75	63.5	150.3	30,500	28,100	26,000	23,900	75
80	61.5	147.7	27,400	25,300	23,400	21,600	80
85	59.4	144.9	24,700	22,900	21,100	19,500	85
90	57.3	141.8	22,300	20,700	19,100	17,700	90
95	55.2	138.5	20,200	18,800	17,400	16,100	95
100	53.0	134.9	18,300	17,100	15,800	14,600	100
105	50.7	130.9	16,600	15,600	14,300	13,300	105
110	48.3	126.7	15,100	14,200	13,000	12,100	110
115	45.9	122.0	13,700	12,900	11,800	10,900	115
120	43.4	116.9	12,500	11,800	10,800	9,900	120
125	40.7	111.4	11,300	10,700	9,800	9,000	125
130	37.9	105.3	10,300	9,700	8,900	8,200	130
135	34.8	98.5	9,300	8,800	8,000	7,400	135
140	31.6	90.8	8,400	8,000	7,200	6,700	140
145	28.0	82.1	7,600	7,300	6,500	6,000	145
150	23.9	71.8	6,900	6,600	5,900	5,400	150
155	18.9	59.0	6,100	5,900	5,200	4,800	155

Liftcrane Boom Capacities

Boom No. 22 With Open Throat Top
104,400 lb Counterweight
24 ft 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
170.0 ft							
30	81.1	175.1	124,900				30
32	80.4	174.7	112,900	92,900			32
34	79.7	174.4	102,800	85,600			34
36	79.0	174.0	94,200	79,300	71,600		36
38	78.3	173.6	86,700	73,700	66,800	59,200	38
40	77.7	173.2	80,200	68,800	62,500	55,600	40
45	75.9	172.0	67,200	58,500	53,400	47,900	45
50	74.2	170.7	57,300	50,600	46,300	41,800	50
55	72.4	169.2	49,500	44,200	40,600	36,800	55
60	70.6	167.5	43,300	38,900	35,800	32,600	60
65	68.9	165.6	38,200	34,500	31,800	29,000	65
70	67.0	163.6	33,900	30,800	28,400	26,000	70
75	65.2	161.4	30,200	27,600	25,500	23,400	75
80	63.3	159.0	27,100	24,900	22,900	21,100	80
85	61.4	156.4	24,400	22,500	20,700	19,000	85
90	59.5	153.6	22,000	20,300	18,700	17,200	90
95	57.5	150.5	19,900	18,400	16,900	15,600	95
100	55.5	147.2	18,000	16,700	15,400	14,100	100
105	53.4	143.6	16,300	15,200	13,900	12,800	105
110	51.3	139.7	14,800	13,800	12,600	11,600	110
115	49.1	135.6	13,500	12,600	11,500	10,500	115
120	46.8	131.1	12,200	11,400	10,400	9,500	120
125	44.5	126.2	11,100	10,400	9,400	8,600	125
130	42.0	120.8	10,000	9,400	8,500	7,800	130
135	39.4	115.0	9,100	8,500	7,600	7,000	135
140	36.7	108.7	8,200	7,700	6,900	6,200	140
145	33.8	101.6	7,300	6,900	6,100	5,600	145
150	30.6	93.6	6,600	6,200	5,500	4,900	150
155	27.1	84.6	5,900	5,500	4,900	4,400	155
160	23.1	73.9	5,200	4,900	4,300		160
165	18.4	60.7	4,600	4,400			165

Liftcrane Boom Capacities

4000W
Boom No. 22 With Open Throat Top
104,400 lb Counterweight
24 ft 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
180.0 ft							
32	80.9	184.9	112,500	91,500			32
34	80.3	184.5	102,400	84,400			34
36	79.7	184.2	93,800	78,100			36
38	79.0	183.8	86,300	72,600	65,500		38
40	78.4	183.4	79,800	67,700	61,300	54,200	40
45	76.7	182.3	66,700	57,600	52,400	46,700	45
50	75.1	181.0	56,800	49,700	45,400	40,700	50
55	73.4	179.6	49,100	43,400	39,700	35,800	55
60	71.8	178.1	42,800	38,200	35,000	31,700	60
65	70.1	176.3	37,700	33,800	31,000	28,200	65
70	68.4	174.4	33,400	30,100	27,700	25,200	70
75	66.7	172.4	29,700	27,000	24,800	22,600	75
80	64.9	170.1	26,600	24,200	22,200	20,300	80
85	63.1	167.7	23,900	21,800	20,000	18,300	85
90	61.3	165.0	21,500	19,700	18,000	16,500	90
95	59.5	162.2	19,400	17,800	16,300	14,900	95
100	57.6	159.1	17,500	16,100	14,700	13,400	100
105	55.7	155.9	15,800	14,600	13,300	12,100	105
110	53.8	152.3	14,300	13,200	12,000	10,900	110
115	51.8	148.5	12,900	12,000	10,800	9,800	115
120	49.7	144.4	11,700	10,800	9,800	8,800	120
125	47.6	140.1	10,500	9,800	8,800	7,900	125
130	45.4	135.3	9,500	8,800	7,900	7,100	130
135	43.1	130.2	8,500	7,900	7,000	6,300	135
140	40.8	124.6	7,600	7,100	6,200	5,600	140
145	38.3	118.6	6,800	6,300	5,500	4,900	145
150	35.6	111.9	6,000	5,600	4,900	4,300	150
155	32.8	104.6	5,300	4,900	4,200		155
160	29.7	96.3	4,700	4,300			160
165	26.3	86.9	4,000				165

Liftcrane Boom Capacities

Boom No. 22 With Open Throat Top
104,400 lb Counterweight
24 ft 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
190.0 ft							
32	81.4	195.0	112,100				32
34	80.8	194.7	102,000	83,100			34
36	80.2	194.3	93,300	76,900			36
38	79.6	194.0	85,900	71,500			38
40	79.0	193.6	79,400	66,700	60,100		40
45	77.4	192.6	66,300	56,700	51,300	45,500	45
50	75.9	191.4	56,300	48,900	44,400	39,600	50
55	74.3	190.0	48,600	42,600	38,800	34,800	55
60	72.8	188.6	42,300	37,400	34,200	30,800	60
65	71.2	186.9	37,200	33,100	30,300	27,300	65
70	69.6	185.1	32,900	29,500	26,900	24,400	70
75	67.9	183.2	29,200	26,300	24,100	21,800	75
80	66.3	181.1	26,100	23,600	21,500	19,500	80
85	64.7	178.8	23,400	21,200	19,300	17,500	85
90	63.0	176.4	21,000	19,100	17,400	15,800	90
95	61.3	173.7	18,900	17,200	15,600	14,200	95
100	59.5	170.9	17,000	15,500	14,100	12,700	100
105	57.8	167.8	15,300	14,000	12,700	11,400	105
110	56.0	164.6	13,800	12,600	11,400	10,300	110
115	54.1	161.1	12,400	11,400	10,200	9,200	115
120	52.2	157.3	11,200	10,200	9,100	8,200	120
125	50.3	153.3	10,000	9,200	8,200	7,300	125
130	48.3	149.0	9,000	8,200	7,300	6,500	130
135	46.3	144.4	8,000	7,300	6,400	5,700	135
140	44.1	139.4	7,100	6,500	5,700	5,000	140
145	41.9	134.1	6,300	5,700	4,900	4,300	145
150	39.6	128.3	5,500	5,000	4,300		150
155	37.2	122.0	4,800	4,400			155
160	34.6	115.1	4,100				160

Liftcrane Boom Capacities

Boom No. 22 With Open Throat Top
104,400 lb Counterweight
24 ft 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
200.0 ft							
34	81.3	204.8	95,500 *				34
36	80.7	204.5	92,800	75,700			36
38	80.1	204.1	85,400	70,400			38
40	79.5	203.8	78,900	65,600	58,800		40
45	78.1	202.8	65,700	55,700	50,200	44,200	45
50	76.6	201.7	55,800	48,000	43,400	38,500	50
55	75.1	200.4	48,000	41,800	37,900	33,700	55
60	73.6	199.0	41,800	36,600	33,300	29,800	60
65	72.1	197.5	36,600	32,300	29,400	26,400	65
70	70.6	195.8	32,300	28,700	26,100	23,500	70
75	69.1	193.9	28,700	25,600	23,300	20,900	75
80	67.6	192.0	25,500	22,900	20,800	18,700	80
85	66.0	189.8	22,800	20,500	18,600	16,700	85
90	64.4	187.5	20,400	18,400	16,600	15,000	90
95	62.8	185.0	18,300	16,500	14,900	13,400	95
100	61.2	182.4	16,400	14,800	13,400	12,000	100
105	59.6	179.5	14,700	13,300	12,000	10,700	105
110	57.9	176.5	13,200	11,900	10,700	9,500	110
115	56.2	173.2	11,800	10,700	9,500	8,400	115
120	54.4	169.8	10,600	9,600	8,400	7,500	120
125	52.7	166.1	9,400	8,500	7,500	6,600	125
130	50.8	162.1	8,400	7,500	6,600	5,700	130
135	49.0	157.9	7,400	6,700	5,700	5,000	135
140	47.0	153.4	6,500	5,800	5,000	4,200	140
145	45.0	148.6	5,700	5,100	4,200		145
150	43.0	143.4	4,900	4,400			150
155	40.8	137.9	4,200				155