

Liftcrane Boom Capacities

Boom No. 180 With Open Throat Top
53,300 Lb. Crane Counterweight
7,000 Lb. Crawler Frame Counterweight
22 Ft. 4 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 (*).

Upper boom point capacity for liftcrane service with single part whip line is 18,700 Lbs. 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. A10177** and Wire Rope Specification chart **No. 9199-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 22 Ft. 4 in. extendible crawlers, 36 in. treads, 15 Ft. 6 in. retractable gantry, 10 part boom hoist reeving, two 1-1/4 in. boom pendants, 1st crane counterweight = 28,500 Lbs., 2nd crane counterweight = 24,800 Lbs. and four 1,750 Lb. crawler frame counterweights.

Maximum Boom Lengths Lifted Unassisted		
List	Over End of Blocked Crawlers	Over Side of Extended Crawlers
	Boom Length	Boom Length
0 Degree	180 Ft.	180 Ft.
1 Degree	160 Ft.	160 Ft.
2 Degree	140 Ft.	140 Ft.
3 Degree	130 Ft.	130 Ft.
Load block, hook and weight ball on barge deck at start. Jib cannot be attached on crawler machine while operating on a barge.		

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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
40 Ft. Boom							
14	74.8	44.0	158,800 *	125,600 *	86,900 *	66,200 *	14
15	73.3	43.7	148,200 *	117,900 *	86,900 *	66,200 *	15
16	71.8	43.3	139,000 *	110,400 *	86,900 *	66,200 *	16
17	70.3	43.0	127,300	103,800 *	82,800 *	66,200 *	17
18	68.8	42.6	115,400	98,000 *	78,000 *	66,200 *	18
19	67.2	42.2	105,500	92,700 *	73,800 *	64,000 *	19
20	65.6	41.7	97,100	88,000 *	70,000 *	60,700 *	20
22	62.4	40.7	83,700	79,200	63,400 *	54,900 *	22
24	59.1	39.6	73,500	70,000	57,900 *	50,100 *	24
26	55.7	38.3	65,400	62,600	53,300 *	46,100 *	26
28	52.1	36.8	58,900	56,700	49,300 *	42,600 *	28
30	48.4	35.1	53,500	51,700	45,900 *	39,600 *	30
32	44.4	33.2	49,000	47,500	42,900 *	36,900 *	32
34	40.1	30.9	45,200	43,900	40,200 *	34,600 *	34
36	35.4	28.3	41,800	40,800	37,800 *	32,500 *	36
38	30.0	25.1	38,900	38,100	35,700 *	30,700 *	38
40	23.5	21.1	35,400 *	35,200 *	33,800 *	29,000 *	40
50 Ft. Boom							
14	77.9	54.3	158,700 *	118,500 *	83,400 *	64,000 *	14
15	76.7	54.0	148,100 *	117,700 *	83,400 *	64,000 *	15
16	75.5	53.8	138,200 *	110,300 *	83,400 *	64,000 *	16
17	74.4	53.5	127,300	103,700 *	82,500 *	64,000 *	17
18	73.2	53.2	115,400	97,800 *	77,800 *	64,000 *	18
19	72.0	52.9	105,500	92,600 *	73,600 *	63,800 *	19
20	70.7	52.5	97,100	87,800 *	69,800 *	60,500 *	20
22	68.3	51.8	83,700	78,100	63,200 *	54,700 *	22
24	65.8	50.9	73,400	69,100	57,700 *	49,900 *	24
26	63.2	49.9	65,300	61,900	53,100 *	45,800 *	26
28	60.6	48.8	58,800	56,000	49,100 *	42,400 *	28
30	58.0	47.6	53,400	51,100	45,700 *	39,300 *	30
32	55.2	46.3	48,900	46,900	42,700 *	36,700 *	32
34	52.3	44.8	45,000	43,300	40,000 *	34,400 *	34
36	49.4	43.2	41,700	40,300	37,600 *	32,300 *	36
38	46.3	41.3	38,800	37,600	35,500 *	30,400 *	38
40	43.0	39.3	36,300	35,200	33,600 *	28,800 *	40
45	33.6	32.8	31,100	30,300	29,600 *	25,200 *	45
50	20.9	23.0	27,100 *	26,600 *	26,100	22,400 *	50

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60 Ft. Boom							
14	79.9	64.5	155,900 *	110,700 *	79,200 *		14
15	79.0	64.3	142,600 *	110,700 *	79,200 *	61,400 *	15
16	78.0	64.1	132,600 *	110,100 *	79,200 *	61,400 *	16
17	77.0	63.8	122,900 *	103,500 *	79,200 *	61,400 *	17
18	76.0	63.6	115,300	97,600 *	77,600 *	61,400 *	18
19	75.0	63.3	105,400	92,400 *	73,400 *	61,300 *	19
20	74.1	63.0	97,000	87,700 *	69,600 *	60,200 *	20
22	72.1	62.4	83,600	77,100	63,000 *	54,400 *	22
24	70.0	61.7	73,300	68,200	57,500 *	49,700 *	24
26	68.0	60.9	65,200	61,100	52,900 *	45,600 *	26
28	65.9	60.1	58,700	55,300	48,900 *	42,100 *	28
30	63.8	59.1	53,300	50,500	45,500 *	39,100 *	30
32	61.6	58.1	48,700	46,300	42,400 *	36,500 *	32
34	59.4	56.9	44,900	42,800	39,800 *	34,100 *	34
36	57.2	55.7	41,500	39,800	37,400 *	32,100 *	36
38	54.9	54.3	38,600	37,100	35,300 *	30,200 *	38
40	52.5	52.8	36,100	34,700	33,400 *	28,500 *	40
45	46.1	48.5	30,900	29,900	29,000	25,000 *	45
50	39.0	43.0	26,900	26,200	25,500	22,200 *	50
55	30.6	35.7	23,700	23,200	22,700	19,900 *	55
60	19.0	24.7	21,200	20,600 *	20,400	17,900 *	60
70 Ft. Boom							
14	81.4	74.6	136,000 *				14
15	80.6	74.4	136,000 *	101,000 *			15
16	79.7	74.3	127,500 *	99,800 *	74,800 *		16
17	78.9	74.1	118,700 *	98,600 *	74,700 *	58,600 *	17
18	78.1	73.9	111,400 *	97,500 *	74,700 *	58,500 *	18
19	77.2	73.6	104,400 *	92,300 *	73,200 *	58,500 *	19
20	76.4	73.4	96,900	87,200	69,400 *	58,500 *	20
22	74.7	72.9	83,500	76,100	62,800 *	54,300 *	22
24	73.0	72.3	73,200	67,400	57,400 *	49,500 *	24
26	71.3	71.6	65,100	60,400	52,700 *	45,400 *	26
28	69.5	70.9	58,600	54,700	48,800 *	41,900 *	28
30	67.8	70.1	53,200	49,900	45,300 *	38,900 *	30
32	66.0	69.2	48,600	45,900	42,300 *	36,300 *	32
34	64.2	68.3	44,800	42,400	39,600 *	34,000 *	34
36	62.3	67.3	41,400	39,400	37,300 *	31,900 *	36
38	60.5	66.2	38,500	36,700	35,100	30,000 *	38
40	58.6	65.0	36,000	34,400	32,900	28,400 *	40
45	53.6	61.6	30,800	29,600	28,500	24,800 *	45
50	48.3	57.5	26,800	25,900	25,000	22,000 *	50
55	42.5	52.5	23,600	22,900	22,300	19,700 *	55
60	36.0	46.3	21,100	20,500	20,000	17,800 *	60
65	28.3	38.3	18,900	18,500	18,100	16,100 *	65
70	17.6	26.3	17,100	16,800 *	16,500	14,700 *	70

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80 Ft. Boom							
15	81.8	84.6	119,000 *				15
16	81.0	84.4	119,000 *	89,800 *			16
17	80.3	84.2	115,200 *	88,900 *			17
18	79.6	84.1	107,400 *	87,900 *	69,900 *		18
19	78.8	83.9	100,600 *	87,000 *	69,800 *	55,300 *	19
20	78.1	83.7	95,800 *	86,000	69,200 *	55,200 *	20
22	76.6	83.2	83,400	75,100	62,600 *	54,000 *	22
24	75.2	82.7	73,100	66,600	57,100 *	49,200 *	24
26	73.7	82.1	65,000	59,700	52,500 *	45,100 *	26
28	72.2	81.5	58,400	54,000	48,500 *	41,700 *	28
30	70.7	80.8	53,000	49,300	45,100 *	38,700 *	30
32	69.1	80.1	48,400	45,300	42,100 *	36,000 *	32
34	67.6	79.3	44,600	41,900	39,400 *	33,700 *	34
36	66.0	78.4	41,200	38,900	36,800	31,600 *	36
38	64.4	77.5	38,300	36,300	34,400	29,800 *	38
40	62.8	76.5	35,800	34,000	32,300	28,100 *	40
45	58.7	73.7	30,600	29,200	27,900	24,600 *	45
50	54.4	70.3	26,600	25,500	24,500	21,800 *	50
55	49.9	66.4	23,400	22,600	21,800	19,500 *	55
60	45.0	61.8	20,800	20,200	19,500	17,500 *	60
65	39.6	56.2	18,700	18,200	17,700	15,900 *	65
70	33.6	49.4	16,900	16,500	16,100	14,500 *	70
75	26.4	40.7	15,400	15,000	14,700	13,300 *	75
80	16.4	27.7	14,000	13,700 *	13,600	12,200 *	80

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90 Ft. Boom							
17	81.4	94.4	102,000 *				17
18	80.7	94.2	102,000 *	80,000 *			18
19	80.1	94.1	98,700 *	79,200 *			19
20	79.5	93.9	92,700 *	78,400 *	63,800 *		20
22	78.2	93.5	82,700 *	74,100	62,400 *	52,000 *	22
24	76.8	93.0	73,000	65,700	56,900 *	49,000 *	24
26	75.5	92.5	64,800	59,000	52,300 *	44,900 *	26
28	74.2	92.0	58,300	53,400	48,300 *	41,500 *	28
30	72.9	91.4	52,800	48,800	44,900 *	38,500 *	30
32	71.5	90.7	48,300	44,800	41,800	35,800 *	32
34	70.2	90.0	44,400	41,400	38,800	33,500 *	34
36	68.8	89.2	41,100	38,500	36,100	31,400 *	36
38	67.5	88.4	38,200	35,900	33,800	29,600 *	38
40	66.1	87.6	35,600	33,600	31,800	27,900 *	40
45	62.5	85.1	30,400	28,900	27,500	24,400 *	45
50	58.9	82.3	26,400	25,200	24,100	21,600 *	50
55	55.1	79.0	23,200	22,300	21,400	19,300 *	55
60	51.1	75.2	20,700	19,900	19,200	17,300 *	60
65	46.8	70.8	18,500	17,900	17,300	15,700 *	65
70	42.3	65.7	16,800	16,200	15,700	14,300 *	70
75	37.3	59.7	15,200	14,800	14,400	13,100 *	75
80	31.6	52.3	13,900	13,600	13,200	12,000 *	80
85	24.8	42.9	12,700	12,500	12,200	11,100 *	85
90	15.5	29.1	11,700	11,400 *	11,300	10,200 *	90

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100 Ft. Boom							
18	81.7	104.3	101,100 *				18
19	81.1	104.2	95,900 *				19
20	80.5	104.0	90,100 *	71,200 *			20
22	79.4	103.7	80,300 *	69,900 *	56,800 *		22
24	78.2	103.3	72,900	65,000	56,000 *	47,200 *	24
26	77.0	102.8	64,700	58,300	52,200 *	44,800 *	26
28	75.8	102.3	58,200	52,900	48,200 *	41,300 *	28
30	74.6	101.8	52,700	48,300	44,400	38,300 *	30
32	73.5	101.2	48,200	44,400	41,100	35,600 *	32
34	72.3	100.6	44,300	41,000	38,100	33,300 *	34
36	71.0	99.9	41,000	38,100	35,600	31,300 *	36
38	69.8	99.2	38,100	35,500	33,300	29,400 *	38
40	68.6	98.4	35,500	33,300	31,300	27,700 *	40
45	65.5	96.3	30,300	28,600	27,000	24,200 *	45
50	62.3	93.8	26,300	25,000	23,700	21,400 *	50
55	59.0	91.0	23,100	22,100	21,100	19,100 *	55
60	55.6	87.7	20,500	19,700	18,900	17,200 *	60
65	52.0	84.1	18,400	17,700	17,000	15,600 *	65
70	48.3	79.8	16,600	16,000	15,500	14,200 *	70
75	44.3	75.0	15,100	14,600	14,100	12,900 *	75
80	40.0	69.5	13,800	13,400	12,900	11,900 *	80
85	35.3	62.9	12,600	12,300	11,900	10,900 *	85
90	29.9	55.0	11,600	11,300	11,000	10,100 *	90
95	23.5	45.0	10,700	10,500	10,200	9,400 *	95
100	14.7	30.4	9,900	9,700	9,500	8,700 *	100

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110 Ft. Boom							
19	81.9	114.3	85,000 *				19
20	81.4	114.2	85,000 *				20
22	80.3	113.8	78,800 *	63,800 *			22
24	79.3	113.5	71,700 *	62,800 *	51,000 *		24
26	78.2	113.1	64,600	57,600	50,300 *	42,300 *	26
28	77.1	112.6	58,000	52,300	47,400	41,100 *	28
30	76.1	112.1	52,600	47,700	43,600	38,100 *	30
32	75.0	111.6	48,000	43,900	40,300	35,400 *	32
34	73.9	111.0	44,100	40,600	37,400	33,100 *	34
36	72.8	110.4	40,800	37,700	34,900	31,000 *	36
38	71.7	109.8	37,900	35,100	32,700	29,200 *	38
40	70.6	109.1	35,300	32,900	30,700	27,500 *	40
45	67.8	107.2	30,100	28,300	26,600	24,000 *	45
50	65.0	105.0	26,100	24,700	23,300	21,200 *	50
55	62.1	102.5	22,900	21,800	20,700	18,900 *	55
60	59.1	99.6	20,400	19,400	18,500	17,000 *	60
65	56.0	96.4	18,200	17,400	16,700	15,300 *	65
70	52.8	92.8	16,400	15,800	15,100	14,000 *	70
75	49.4	88.8	14,900	14,300	13,800	12,700 *	75
80	45.9	84.2	13,600	13,100	12,600	11,700 *	80
85	42.1	79.0	12,400	12,000	11,600	10,700 *	85
90	38.1	73.0	11,400	11,100	10,700	9,900 *	90
95	33.6	66.0	10,500	10,200	9,900	9,200 *	95
100	28.5	57.6	9,700	9,500	9,200	8,500 *	100
105	22.4	47.0	9,000	8,800	8,600	7,900 *	105
110	14.0	31.7	8,300 *	8,200 *	8,000	7,300 *	110

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120 Ft. Boom							
22	81.1	124.0	68,000 *				22
24	80.2	123.6	68,000 *	57,100 *			24
26	79.2	123.3	63,300 *	56,100 *	44,600 *		26
28	78.2	122.9	57,800	51,600	44,400 *	35,600 *	28
30	77.3	122.4	52,400	47,200	42,800	35,500 *	30
32	76.3	121.9	47,800	43,400	39,600	35,200 *	32
34	75.3	121.4	44,000	40,100	36,800	32,800 *	34
36	74.3	120.9	40,600	37,200	34,300	30,800 *	36
38	73.3	120.3	37,700	34,700	32,100	28,900 *	38
40	72.3	119.7	35,100	32,500	30,200	27,300 *	40
45	69.8	117.9	29,900	27,900	26,100	23,700 *	45
50	67.2	115.9	25,900	24,300	22,900	20,900 *	50
55	64.6	113.7	22,700	21,400	20,300	18,600 *	55
60	61.9	111.1	20,100	19,100	18,100	16,700 *	60
65	59.2	108.3	18,000	17,100	16,300	15,100 *	65
70	56.3	105.1	16,200	15,500	14,800	13,700 *	70
75	53.4	101.6	14,700	14,000	13,500	12,500 *	75
80	50.4	97.6	13,300	12,800	12,300	11,400 *	80
85	47.2	93.2	12,200	11,700	11,300	10,500 *	85
90	43.8	88.3	11,200	10,800	10,400	9,600 *	90
95	40.2	82.7	10,300	9,900	9,600	8,900 *	95
100	36.4	76.3	9,500	9,200	8,900	8,200 *	100
105	32.1	68.9	8,700	8,500	8,200	7,600 *	105
110	27.3	60.1	8,100	7,900	7,700	7,100 *	110
115	21.4	49.0	7,500	7,300	7,100	6,600 *	115
120	13.4	32.8	6,700 *	6,700 *	6,700 *	6,100 *	120

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 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
130 Ft. Boom							
22	81.8	134.1	68,000 *				22
24	80.9	133.8	68,000 *	49,300 *			24
26	80.0	133.4	61,800 *	49,100 *	37,300 *		26
28	79.1	133.1	57,700	48,900 *	37,100 *		28
30	78.2	132.6	52,200	46,600	37,000 *	29,500 *	30
32	77.3	132.2	47,700	42,900	36,900 *	29,400 *	32
34	76.4	131.7	43,800	39,600	36,100	29,300 *	34
36	75.5	131.2	40,400	36,800	33,700	29,300 *	36
38	74.6	130.7	37,500	34,300	31,500	28,700 *	38
40	73.7	130.1	34,900	32,100	29,600	27,000 *	40
45	71.4	128.5	29,700	27,500	25,600	23,500 *	45
50	69.0	126.7	25,700	24,000	22,400	20,700 *	50
55	66.7	124.7	22,500	21,100	19,900	18,400 *	55
60	64.2	122.4	19,900	18,800	17,800	16,500 *	60
65	61.8	119.8	17,800	16,900	16,000	14,900 *	65
70	59.2	117.0	16,000	15,200	14,500	13,500 *	70
75	56.6	113.8	14,500	13,800	13,100	12,300 *	75
80	53.9	110.3	13,100	12,600	12,000	11,200 *	80
85	51.1	106.5	12,000	11,500	11,000	10,300 *	85
90	48.3	102.2	11,000	10,500	10,100	9,400 *	90
95	45.2	97.5	10,100	9,700	9,300	8,700 *	95
100	42.0	92.2	9,300	8,900	8,600	8,000 *	100
105	38.6	86.3	8,500	8,200	8,000	7,400 *	105
110	34.9	79.5	7,900	7,600	7,400	6,900 *	110
115	30.8	71.7	7,300	7,100	6,800	6,400 *	115
120	26.2	62.5	6,700	6,600	6,400	5,900 *	120
125	20.6	50.8	6,200	6,100	5,900	5,500 *	125
130	12.8	34.0	5,400 *	5,400 *	5,400 *	5,100 *	130

Liftcrane Boom Capacities

Boom No. 180 With Open Throat Top
53,300 Lb. Crane Counterweight
7,000 Lb. Crawler Frame Counterweight
22 Ft. 4 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
140 Ft. Boom						
24	81.6	143.9	65,400 *			24
26	80.8	143.6	60,400 *	41,700 *		26
28	79.9	143.2	56,500 *	41,500 *	31,300 *	28
30	79.1	142.9	52,000 *	41,300 *	31,200 *	30
32	78.3	142.4	47,500	41,200 *	31,100 *	32
34	77.4	142.0	43,600	39,200	31,000 *	34
36	76.6	141.6	40,300	36,400	30,900 *	36
38	75.7	141.1	37,300	33,900	30,800 *	38
40	74.9	140.5	34,800	31,800	29,100	40
45	72.8	139.1	29,500	27,200	25,200	45
50	70.6	137.4	25,500	23,700	22,100	50
55	68.4	135.5	22,300	20,900	19,500	55
60	66.2	133.4	19,800	18,500	17,400	60
65	63.9	131.1	17,600	16,600	15,700	65
70	61.6	128.5	15,800	15,000	14,200	70
75	59.3	125.6	14,300	13,600	12,900	75
80	56.9	122.5	13,000	12,300	11,700	80
85	54.4	119.1	11,800	11,300	10,700	85
90	51.8	115.3	10,800	10,300	9,900	90
95	49.2	111.1	9,900	9,500	9,100	95
100	46.4	106.6	9,100	8,700	8,400	100
105	43.5	101.5	8,400	8,000	7,700	105
110	40.4	95.9	7,700	7,400	7,100	110
115	37.1	89.7	7,100	6,900	6,600	115
120	33.6	82.6	6,600	6,400	6,100	120
125	29.7	74.4	6,100	5,900	5,700	125
130	25.2	64.7	5,600	5,500	5,300	130
135	19.8	52.6	5,200	5,100 *	4,900	135
140	12.4	35.1	4,300 *	4,300 *	4,300 *	140

Liftcrane Boom Capacities

Boom No. 180 With Open Throat Top
53,300 Lb. Crane Counterweight
7,000 Lb. Crawler Frame Counterweight
22 Ft. 4 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
150 Ft. Boom				
26	81.4	153.7	55,600 *	
28	80.6	153.4	55,300 *	35,300 *
30	79.8	153.0	50,800 *	35,100 *
32	79.1	152.7	46,900 *	35,000 *
34	78.3	152.2	43,400	34,800 *
36	77.5	151.8	40,100	34,600 *
38	76.7	151.4	37,100	33,500
40	75.9	150.9	34,600	31,400
45	73.9	149.5	29,300	26,900
50	71.9	148.0	25,300	23,400
55	69.9	146.2	22,100	20,600
60	67.9	144.3	19,600	18,300
65	65.8	142.1	17,400	16,300
70	63.7	139.7	15,600	14,700
75	61.5	137.1	14,100	13,300
80	59.3	134.3	12,800	12,100
85	57.1	131.2	11,600	11,000
90	54.8	127.8	10,600	10,100
95	52.4	124.1	9,700	9,200
100	49.9	120.0	8,900	8,500
105	47.4	115.6	8,200	7,800
110	44.7	110.7	7,500	7,200
115	41.9	105.4	6,900	6,600
120	39.0	99.5	6,400	6,100
125	35.8	93.0	5,900	5,600
130	32.4	85.5	5,400	5,200
135	28.6	77.0	5,000	4,800
140	24.3	66.9	4,600	4,500
145	19.1	54.3	4,200	4,100 *

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds
160 Ft. Boom				
26	81.9	163.8	47,900 *	
28	81.2	163.5	47,500 *	
30	80.5	163.2	46,700 *	30,100 *
32	79.7	162.8	45,700 *	30,000 *
34	79.0	162.4	42,400 *	29,800 *
36	78.3	162.1	39,600 *	29,700 *
38	77.6	161.6	37,000	29,500 *
40	76.8	161.2	34,400	29,400 *
45	75.0	159.9	29,100	26,500
50	73.1	158.4	25,100	23,000
55	71.2	156.8	21,900	20,200
60	69.3	155.0	19,300	18,000
65	67.4	153.0	17,200	16,000
70	65.4	150.8	15,400	14,400
75	63.5	148.4	13,900	13,000
80	61.4	145.8	12,500	11,800
85	59.4	142.9	11,400	10,700
90	57.3	139.8	10,400	9,800
95	55.1	136.5	9,400	9,000
100	52.9	132.8	8,600	8,200
105	50.6	128.9	7,900	7,500
110	48.2	124.6	7,300	6,900
115	45.8	119.9	6,700	6,400
120	43.2	114.8	6,100	5,800
125	40.5	109.2	5,600	5,400
130	37.7	103.0	5,200	4,900
135	34.6	96.1	4,700	4,500
140	31.3	88.4	4,400	4,200
145	27.7	79.5	4,000	

Liftcrane Boom Capacities

Boom No. 180 With Open Throat Top
53,300 Lb. Crane Counterweight
7,000 Lb. Crawler Frame Counterweight
22 Ft. 4 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
170 Ft. Boom			
28	81.7	173.6	40,400 *
30	81.0	173.3	39,700 *
32	80.4	173.0	39,300 *
34	79.7	172.6	38,700 *
36	79.0	172.2	38,200 *
38	78.3	171.9	36,800
40	77.6	171.4	34,200
45	75.9	170.2	28,900
50	74.1	168.9	24,900
55	72.4	167.4	21,700
60	70.6	165.7	19,100
65	68.8	163.8	17,000
70	67.0	161.8	15,200
75	65.1	159.5	13,600
80	63.3	157.1	12,300
85	61.3	154.5	11,200
90	59.4	151.6	10,100
95	57.4	148.5	9,200
100	55.4	145.2	8,400
105	53.3	141.6	7,700
110	51.2	137.7	7,000
115	49.0	133.5	6,500
120	46.7	128.9	5,900
125	44.3	124.0	5,400
130	41.9	118.7	5,000
135	39.3	112.8	4,500
140	36.5	106.3	4,100

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
180 Ft. Boom			
30	81.5	183.4	34,000 *
32	80.9	183.1	33,900 *
34	80.3	182.8	33,300 *
36	79.6	182.4	32,900 *
38	79.0	182.1	32,400 *
40	78.3	181.6	32,000 *
45	76.7	180.5	28,700
50	75.0	179.2	24,700
55	73.4	177.8	21,500
60	71.7	176.2	18,900
65	70.0	174.5	16,800
70	68.3	172.6	15,000
75	66.6	170.5	13,400
80	64.8	168.2	12,100
85	63.1	165.8	11,000
90	61.3	163.1	9,900
95	59.4	160.3	9,000
100	57.6	157.2	8,200
105	55.7	153.9	7,500
110	53.7	150.3	6,900
115	51.7	146.5	6,300
120	49.6	142.4	5,700
125	47.5	138.0	5,200
130	45.3	133.2	4,800
135	43.0	128.0	4,300
140	40.6	122.4	4,000