

Liftcrane Boom Capacities

Boom No. 111 With Open Throat Top
44,000 Lb. Counterweight
19 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 with crawlers extended 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 20,000 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 (16 Ft. 1 in.), gantry up and machine list not to exceed degrees noted. Refer to boom rigging **No. 911959** or **No. 912877** and Wire Rope Specification chart **No. 9144-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 19 Ft. 4 in. extendible crawlers, 35-1/2 in. treads, 15 Ft. 6 in. retractable gantry, 10 part boom hoist reeving, two 1-1/4 in. boom pendants, 1st counterweight = 28,500 Lb. and 2nd counterweight = 15,500 Lb. counterweight.

Maximum Boom Lengths Lifted Unassisted		
List	Over End of Blocked Crawlers	Over Side of Extended Crawlers
	Boom Length	Boom Length
0 Degree	190 Ft.	180 Ft.
1 Degree	170 Ft.	170 Ft.
2 Degree	150 Ft.	150 Ft.
3 Degree	130 Ft.	130 Ft.
Load block, hook and weight ball on barge deck at start. Jib is not to be used on crawler machine while operating on a barge.		



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40 Ft. Boom							
10	81.4	45.0	160,000 *				10
11	79.9	44.9	150,000 *	140,800 *	114,600 *		11
12	78.4	44.6	150,000 *	138,600 *	114,500 *	87,700 *	12
13	77.0	44.4	150,000 *	133,800 *	105,500 *	87,700 *	13
14	75.5	44.1	143,300	124,100 *	97,800 *	84,200 *	14
15	74.0	43.8	125,700	113,900	91,100 *	78,400 *	15
16	72.5	43.5	111,900	102,500	85,300 *	73,300 *	16
17	71.0	43.2	100,700	93,100	80,100 *	68,900 *	17
18	69.4	42.8	91,600	85,200	75,500 *	64,900 *	18
19	67.9	42.4	83,900	78,600	71,400 *	61,300 *	19
20	66.3	41.9	77,400	72,800	67,700 *	58,100 *	20
22	63.1	40.9	66,900	63,500	60,200	52,600 *	22
24	59.8	39.8	58,900	56,200	53,600	47,900 *	24
26	56.4	38.5	52,500	50,400	48,200	44,000 *	26
28	52.8	37.0	47,400	45,600	43,800	40,700 *	28
30	49.1	35.3	43,100	41,600	40,100	37,800 *	30
32	45.1	33.4	39,500	38,200	37,000	35,200 *	32
34	40.8	31.1	36,400	35,300	34,300	33,000 *	34
36	36.0	28.5	33,700	32,800	31,900	31,000 *	36
38	30.7	25.3	31,400	30,600	29,900	29,200	38
40	24.2	21.2	29,400	28,700	28,100	27,500	40
50 Ft. Boom							
11	81.9	55.0	150,000 *				11
12	80.8	54.8	150,000 *	123,000 *			12
13	79.6	54.7	150,000 *	121,200 *	101,000 *		13
14	78.4	54.4	143,300	119,500 *	97,600 *	84,000 *	14
15	77.3	54.2	125,700	111,700	90,900 *	78,200 *	15
16	76.1	54.0	111,900	100,600	85,100 *	73,100 *	16
17	74.9	53.7	100,700	91,500	79,900 *	68,600 *	17
18	73.7	53.4	91,600	83,900	75,300 *	64,700 *	18
19	72.5	53.1	83,900	77,400	71,200 *	61,100 *	19
20	71.3	52.7	77,400	71,800	66,700	57,900 *	20
22	68.8	51.9	66,900	62,700	58,700	52,300 *	22
24	66.3	51.1	58,900	55,500	52,300	47,700 *	24
26	63.8	50.1	52,500	49,800	47,100	43,800 *	26
28	61.2	49.0	47,300	45,000	42,900	40,500 *	28
30	58.5	47.8	43,000	41,100	39,300	37,600	30
32	55.7	46.5	39,400	37,700	36,200	34,700	32
34	52.9	45.0	36,300	34,900	33,500	32,300	34
36	49.9	43.3	33,600	32,400	31,200	30,100	36
38	46.8	41.5	31,300	30,200	29,200	28,200	38
40	43.5	39.4	29,200	28,300	27,400	26,500	40
45	34.2	33.0	25,000	24,300	23,700	23,000	45
50	21.5	23.2	21,800	21,200	20,800	20,400	50



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60 Ft. Boom							
13	81.4	64.8	150,000 *				13
14	80.4	64.6	143,400	107,200 *			14
15	79.4	64.5	125,700	105,700 *	87,300 *		15
16	78.4	64.2	111,900	98,800	84,900 *	72,900 *	16
17	77.5	64.0	100,700	90,000	79,700 *	68,400 *	17
18	76.5	63.8	91,500	82,500	74,900	64,400 *	18
19	75.5	63.5	83,800	76,200	69,600	60,800 *	19
20	74.5	63.2	77,300	70,700	64,900	57,600 *	20
22	72.5	62.6	66,800	61,800	57,200	52,100 *	22
24	70.5	61.9	58,700	54,800	51,100	47,500 *	24
26	68.4	61.1	52,300	49,100	46,100	43,400	26
28	66.3	60.3	47,100	44,500	41,900	39,600	28
30	64.2	59.3	42,800	40,600	38,400	36,500	30
32	62.1	58.2	39,200	37,300	35,400	33,700	32
34	59.9	57.1	36,100	34,400	32,800	31,300	34
36	57.6	55.9	33,500	31,900	30,600	29,300	36
38	55.3	54.5	31,100	29,800	28,600	27,400	38
40	52.9	53.0	29,100	27,900	26,800	25,800	40
45	46.6	48.6	24,900	23,900	23,100	22,300	45
50	39.5	43.1	21,600	20,900	20,200	19,700	50
55	31.0	35.9	19,100	18,400	18,000	17,500	55
60	19.5	24.9	17,000	16,400	16,100	15,800	60
70 Ft. Boom							
14	81.8	74.8	143,300				14
15	81.0	74.6	125,600	95,500 *			15
16	80.1	74.4	111,800	94,400 *			16
17	79.3	74.2	100,600	88,500	76,400 *		17
18	78.4	74.0	91,400	81,300	72,800	64,100 *	18
19	77.6	73.8	83,700	75,100	67,700	60,600 *	19
20	76.8	73.6	77,200	69,700	63,300	57,400 *	20
22	75.1	73.0	66,700	61,000	55,900	51,500	22
24	73.4	72.5	58,700	54,100	50,000	46,400	24
26	71.6	71.8	52,200	48,500	45,100	42,100	26
28	69.9	71.1	47,000	44,000	41,100	38,500	28
30	68.1	70.3	42,700	40,100	37,700	35,500	30
32	66.4	69.4	39,100	36,900	34,800	32,800	32
34	64.5	68.5	36,000	34,000	32,200	30,600	34
36	62.7	67.5	33,300	31,600	30,000	28,500	36
38	60.8	66.3	31,000	29,400	28,000	26,700	38
40	58.9	65.2	29,000	27,500	26,300	25,100	40
45	54.0	61.8	24,800	23,600	22,700	21,800	45
50	48.7	57.7	21,500	20,600	19,900	19,100	50
55	42.9	52.7	19,000	18,200	17,600	17,000	55
60	36.4	46.5	16,900	16,200	15,700	15,300	60
65	28.6	38.4	15,200	14,500	14,200	13,800	65
70	18.0	26.5	13,700	13,100	12,900	12,600	70



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80 Ft. Boom							
16	81.4	84.6	111,700				16
17	80.6	84.4	100,500	84,400 *			17
18	79.9	84.2	91,300	80,000	67,900 *		18
19	79.2	84.0	83,600	73,900	65,900		19
20	78.5	83.8	77,100	68,700	61,700	55,800	20
22	77.0	83.4	66,500	60,100	54,600	49,800	22
24	75.5	82.9	58,500	53,400	48,800	44,900	24
26	74.0	82.3	52,100	47,900	44,200	40,900	26
28	72.5	81.7	46,800	43,400	40,200	37,400	28
30	71.0	81.0	42,500	39,600	36,900	34,500	30
32	69.5	80.3	39,000	36,400	34,000	31,900	32
34	67.9	79.4	35,900	33,600	31,600	29,700	34
36	66.4	78.6	33,200	31,200	29,400	27,800	36
38	64.8	77.6	30,800	29,000	27,500	26,000	38
40	63.2	76.6	28,800	27,200	25,800	24,400	40
45	59.1	73.8	24,500	23,300	22,200	21,200	45
50	54.8	70.5	21,300	20,200	19,400	18,600	50
55	50.2	66.6	18,800	17,800	17,200	16,500	55
60	45.3	61.9	16,700	15,900	15,300	14,800	60
65	40.0	56.4	15,000	14,200	13,800	13,300	65
70	33.9	49.6	13,500	12,800	12,400	12,100	70
75	26.7	40.8	12,300	11,600	11,300	11,000	75
80	16.8	27.9	11,200	10,600	10,400	10,100	80
90 Ft. Boom							
17	81.7	94.6	100,400				17
18	81.0	94.4	91,200	75,900 *			18
19	80.4	94.2	83,500	72,900			19
20	79.8	94.0	77,000	67,800	60,200		20
22	78.5	93.6	66,400	59,400	53,400	48,300	22
24	77.1	93.2	58,400	52,800	47,800	43,600	24
26	75.8	92.7	52,000	47,400	43,300	39,800	26
28	74.5	92.1	46,700	42,900	39,500	36,500	28
30	73.2	91.5	42,400	39,200	36,200	33,600	30
32	71.8	90.9	38,900	36,000	33,500	31,200	32
34	70.5	90.2	35,800	33,200	31,000	29,000	34
36	69.1	89.4	33,100	30,900	28,900	27,100	36
38	67.8	88.6	30,700	28,700	27,000	25,400	38
40	66.4	87.7	28,700	26,900	25,300	23,900	40
45	62.8	85.3	24,400	23,000	21,800	20,700	45
50	59.2	82.5	21,200	20,000	19,100	18,200	50
55	55.4	79.2	18,700	17,600	16,900	16,100	55
60	51.4	75.4	16,600	15,700	15,000	14,400	60
65	47.1	71.0	14,900	14,000	13,500	13,000	65
70	42.6	65.9	13,500	12,600	12,200	11,800	70
75	37.6	59.9	12,200	11,400	11,100	10,700	75
80	31.9	52.5	11,100	10,400	10,100	9,800	80
85	25.1	43.1	10,200	9,500	9,300	9,000	85
90	15.8	29.3	9,400	8,700	8,500	8,300	90



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100 Ft. Boom							
18	81.9	104.5	91,100				18
19	81.4	104.4	83,300				19
20	80.8	104.2	76,900	66,800			20
22	79.6	103.8	66,300	58,600	52,100		22
24	78.5	103.4	58,300	52,100	46,800	42,300	24
26	77.3	103.0	51,800	46,800	42,400	38,600	26
28	76.1	102.5	46,600	42,400	38,700	35,500	28
30	74.9	102.0	42,200	38,700	35,500	32,700	30
32	73.7	101.4	38,700	35,600	32,800	30,400	32
34	72.5	100.8	35,600	32,800	30,400	28,300	34
36	71.3	100.1	32,900	30,500	28,300	26,400	36
38	70.1	99.4	30,500	28,400	26,500	24,800	38
40	68.9	98.6	28,500	26,500	24,800	23,300	40
45	65.7	96.5	24,300	22,700	21,400	20,200	45
50	62.6	94.0	21,000	19,700	18,700	17,700	50
55	59.3	91.1	18,600	17,400	16,500	15,700	55
60	55.8	87.9	16,500	15,400	14,700	14,000	60
65	52.3	84.2	14,700	13,800	13,200	12,600	65
70	48.5	80.0	13,300	12,400	11,900	11,400	70
75	44.6	75.2	12,000	11,200	10,800	10,400	75
80	40.3	69.6	11,000	10,200	9,800	9,500	80
85	35.6	63.1	10,000	9,300	9,000	8,700	85
90	30.2	55.2	9,200	8,500	8,200	8,000	90
95	23.8	45.2	8,500	7,800	7,600	7,400	95
100	14.9	30.6	7,800	7,100	7,000	6,800	100



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110 Ft. Boom							
20	81.6	114.3	76,700				20
22	80.6	114.0	66,100	57,800			22
24	79.5	113.6	58,100	51,400	45,800		24
26	78.5	113.2	51,600	46,200	41,500	37,500	26
28	77.4	112.8	46,400	41,800	37,900	34,500	28
30	76.3	112.3	42,000	38,200	34,800	31,900	30
32	75.2	111.8	38,500	35,100	32,100	29,600	32
34	74.2	111.2	35,400	32,400	29,800	27,500	34
36	73.1	110.6	32,700	30,100	27,800	25,700	36
38	72.0	110.0	30,300	28,000	26,000	24,100	38
40	70.9	109.3	28,300	26,200	24,300	22,700	40
45	68.1	107.4	24,100	22,400	20,900	19,700	45
50	65.2	105.2	20,800	19,400	18,300	17,200	50
55	62.3	102.7	18,400	17,000	16,100	15,300	55
60	59.3	99.8	16,300	15,100	14,300	13,600	60
65	56.2	96.6	14,500	13,500	12,800	12,200	65
70	53.0	93.0	13,100	12,100	11,500	11,000	70
75	49.7	88.9	11,800	10,900	10,400	10,000	75
80	46.1	84.3	10,700	9,900	9,500	9,100	80
85	42.4	79.1	9,800	9,000	8,600	8,300	85
90	38.3	73.2	9,000	8,200	7,900	7,600	90
95	33.8	66.2	8,200	7,500	7,200	7,000	95
100	28.8	57.8	7,600	6,800	6,600	6,400	100
105	22.7	47.2	7,000	6,300	6,100	5,900	105
110	14.2	31.8	6,500	5,800	5,600	5,500	110



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120 Ft. Boom							
22	81.4	124.1	66,000				22
24	80.4	123.8	58,000	50,700			24
26	79.4	123.4	51,500	45,600	40,700		26
28	78.5	123.0	46,200	41,400	37,100	33,600	28
30	77.5	122.6	41,900	37,800	34,100	31,000	30
32	76.5	122.1	38,400	34,700	31,500	28,800	32
34	75.5	121.6	35,300	32,000	29,300	26,900	34
36	74.5	121.0	32,600	29,700	27,300	25,100	36
38	73.5	120.5	30,200	27,700	25,500	23,600	38
40	72.5	119.8	28,100	25,800	23,900	22,200	40
45	70.0	118.1	23,900	22,100	20,600	19,200	45
50	67.4	116.1	20,600	19,100	17,900	16,800	50
55	64.8	113.9	18,200	16,800	15,800	14,900	55
60	62.1	111.3	16,100	14,900	14,000	13,300	60
65	59.4	108.5	14,400	13,200	12,500	11,900	65
70	56.6	105.3	12,900	11,900	11,300	10,700	70
75	53.6	101.8	11,700	10,700	10,200	9,700	75
80	50.6	97.8	10,600	9,700	9,200	8,800	80
85	47.4	93.4	9,700	8,800	8,400	8,000	85
90	44.0	88.5	8,800	8,000	7,700	7,300	90
95	40.5	82.9	8,100	7,300	7,000	6,700	95
100	36.6	76.5	7,400	6,700	6,400	6,100	100
105	32.3	69.1	6,800	6,100	5,900	5,600	105
110	27.5	60.3	6,300	5,600	5,400	5,200	110
115	21.7	49.1	5,800	5,100	4,900	4,800	115
120	13.6	33.0	5,400	4,700	4,500	4,400	120



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130 Ft. Boom							
24	81.1	133.9	57,800				24
26	80.3	133.6	51,300	45,000			26
28	79.4	133.2	46,000	40,800	36,400		28
30	78.5	132.8	41,700	37,300	33,500	29,700 *	30
32	77.6	132.4	38,200	34,200	30,900	28,100	32
34	76.6	131.9	35,100	31,600	28,700	26,200	34
36	75.7	131.4	32,400	29,300	26,700	24,500	36
38	74.8	130.9	30,000	27,300	25,000	23,000	38
40	73.9	130.3	27,900	25,500	23,400	21,600	40
45	71.6	128.7	23,700	21,800	20,100	18,700	45
50	69.3	126.9	20,400	18,800	17,500	16,400	50
55	66.9	124.8	18,000	16,500	15,400	14,500	55
60	64.4	122.5	15,900	14,600	13,700	12,900	60
65	62.0	120.0	14,200	13,000	12,200	11,500	65
70	59.4	117.1	12,700	11,600	11,000	10,400	70
75	56.8	114.0	11,500	10,400	9,900	9,400	75
80	54.1	110.5	10,400	9,400	8,900	8,500	80
85	51.4	106.6	9,500	8,500	8,100	7,700	85
90	48.5	102.4	8,600	7,700	7,400	7,000	90
95	45.4	97.6	7,900	7,000	6,700	6,400	95
100	42.2	92.4	7,200	6,400	6,100	5,800	100
105	38.8	86.4	6,700	5,800	5,600	5,300	105
110	35.1	79.7	6,100	5,300	5,100	4,900	110
115	31.0	71.9	5,600	4,900	4,700	4,500	115
120	26.4	62.6	5,200	4,400	4,300	4,100	120
125	20.8	51.0	4,800	4,000	3,900	3,800	125
130	13.0	34.2	4,400	3,700	3,600	3,400	130



Liftcrane Boom Capacities

Boom No. 111 With Open Throat Top
44,000 Lb. Counterweight
19 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	81.8	144.1	57,600			24
26	81.0	143.8	51,200	42,000 *		26
28	80.1	143.4	45,900	40,300		28
30	79.3	143.0	41,500	36,800	31,400 *	30
32	78.5	142.6	38,000	33,800	30,300	32
34	77.6	142.2	34,900	31,200	28,100	34
36	76.8	141.7	32,200	28,900	26,200	36
38	75.9	141.2	29,800	26,900	24,500	38
40	75.1	140.7	27,700	25,100	22,900	40
45	73.0	139.2	23,500	21,400	19,700	45
50	70.8	137.6	20,200	18,500	17,100	50
55	68.6	135.7	17,800	16,200	15,100	55
60	66.4	133.6	15,700	14,300	13,300	60
65	64.1	131.2	14,000	12,700	11,900	65
70	61.8	128.6	12,500	11,300	10,600	70
75	59.5	125.8	11,300	10,200	9,600	75
80	57.1	122.7	10,200	9,100	8,600	80
85	54.6	119.2	9,200	8,200	7,800	85
90	52.0	115.4	8,400	7,500	7,100	90
95	49.4	111.3	7,700	6,800	6,400	95
100	46.6	106.7	7,000	6,100	5,800	100
105	43.7	101.7	6,400	5,600	5,300	105
110	40.6	96.1	5,900	5,100	4,800	110
115	37.3	89.9	5,400	4,600	4,400	115
120	33.8	82.8	5,000	4,200	4,000	120
125	29.9	74.6	4,600	3,800	3,600	125
130	25.4	64.9	4,200	3,400	3,200	130
135	20.0	52.7	3,900	3,100		135
140	12.6	35.2	3,600			140



Liftcrane Boom Capacities

Boom No. 111 With Open Throat Top
44,000 Lb. Counterweight
19 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
150 Ft. Boom						
26	81.6	153.9	51,000			26
28	80.8	153.6	45,700	35,600 *		28
30	80.0	153.2	41,300	35,500 *	26,500 *	30
32	79.2	152.8	37,900	33,400	26,400 *	32
34	78.5	152.4	34,700	30,800	26,300 *	34
36	77.7	152.0	32,000	28,600	25,700	36
38	76.9	151.5	29,600	26,600	24,000	38
40	76.1	151.0	27,600	24,800	22,500	40
45	74.1	149.7	23,300	21,100	19,300	45
50	72.1	148.1	20,000	18,200	16,800	50
55	70.1	146.4	17,700	15,900	14,700	55
60	68.1	144.4	15,500	14,000	13,000	60
65	66.0	142.3	13,800	12,400	11,600	65
70	63.9	139.9	12,300	11,100	10,400	70
75	61.7	137.3	11,100	9,900	9,300	75
80	59.5	134.5	10,000	8,900	8,400	80
85	57.3	131.3	9,100	8,000	7,500	85
90	54.9	127.9	8,200	7,200	6,800	90
95	52.6	124.2	7,500	6,500	6,200	95
100	50.1	120.2	6,800	5,900	5,600	100
105	47.6	115.8	6,300	5,400	5,100	105
110	44.9	110.9	5,700	4,800	4,600	110
115	42.1	105.6	5,200	4,400	4,100	115
120	39.2	99.7	4,800	4,000	3,700	120
125	36.0	93.1	4,400	3,600	3,400	125
130	32.6	85.7	4,000	3,200	3,000	130
135	28.8	77.2	3,700			135
140	24.5	67.1	3,400			140
145	19.3	54.5	3,100			145



Liftcrane Boom Capacities

Boom No. 111 With Open Throat Top
44,000 Lb. Counterweight
19 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
160 Ft. Boom				
28	81.4	163.7	45,500	
30	80.6	163.4	41,100	30,400 *
32	79.9	163.0	37,700	30,200 *
34	79.2	162.6	34,500	30,100 *
36	78.5	162.2	31,800	28,200
38	77.7	161.8	29,400	26,200
40	77.0	161.3	27,400	24,400
45	75.1	160.1	23,100	20,800
50	73.3	158.6	19,800	17,900
55	71.4	157.0	17,500	15,600
60	69.5	155.2	15,400	13,700
65	67.6	153.2	13,600	12,200
70	65.6	151.0	12,100	10,800
75	63.6	148.6	10,900	9,700
80	61.6	146.0	9,800	8,700
85	59.5	143.1	8,900	7,800
90	57.4	140.0	8,000	7,000
95	55.3	136.6	7,300	6,300
100	53.1	133.0	6,600	5,700
105	50.8	129.0	6,000	5,100
110	48.4	124.7	5,500	4,600
115	46.0	120.1	5,000	4,100
120	43.4	114.9	4,600	3,700
125	40.7	109.3	4,200	3,300
130	37.9	103.2	3,800	3,000
135	34.8	96.3	3,500	
140	31.5	88.6	3,200	

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds
170 Ft. Boom				
28	81.9	173.8	40,800 *	
30	81.2	173.5	40,400 *	
32	80.5	173.2	37,500	26,000 *
34	79.8	172.8	34,300	25,900 *
36	79.1	172.4	31,600	25,700 *
38	78.5	172.0	29,300	25,600 *
40	77.8	171.6	27,200	24,100
45	76.0	170.4	22,900	20,500
50	74.3	169.0	19,600	17,600
55	72.5	167.5	17,200	15,300
60	70.8	165.8	15,100	13,500
65	69.0	164.0	13,400	11,900
70	67.1	161.9	11,900	10,500
75	65.3	159.7	10,700	9,400
80	63.4	157.3	9,600	8,400
85	61.5	154.6	8,600	7,500
90	59.6	151.8	7,800	6,700
95	57.6	148.7	7,100	6,000
100	55.6	145.4	6,400	5,400
105	53.5	141.8	5,800	4,800
110	51.3	137.9	5,300	4,300
115	49.1	133.7	4,800	3,900
120	46.9	129.1	4,400	3,400
125	44.5	124.2	3,900	3,000
130	42.0	118.8	3,600	
135	39.4	113.0	3,200	



Liftcrane Boom Capacities

Boom No. 111 With Open Throat Top
44,000 Lb. Counterweight
19 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
180 Ft. Boom			
30	81.7	183.6	35,000 *
32	81.0	183.3	34,700 *
34	80.4	183.0	34,200
36	79.8	182.6	31,400
38	79.1	182.2	29,100
40	78.5	181.8	27,000
45	76.8	180.7	22,700
50	75.2	179.4	19,400
55	73.5	178.0	17,100
60	71.9	176.4	15,000
65	70.2	174.7	13,200
70	68.5	172.8	11,700
75	66.7	170.7	10,500
80	65.0	168.4	9,400
85	63.2	165.9	8,400
90	61.4	163.3	7,600
95	59.6	160.4	6,900
100	57.7	157.4	6,200
105	55.8	154.1	5,600
110	53.9	150.5	5,100
115	51.9	146.7	4,600
120	49.8	142.6	4,200
125	47.7	138.1	3,800
130	45.5	133.4	3,400
135	43.2	128.2	3,100

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
190 Ft. Boom			
32	81.5	193.4	30,000 *
34	80.9	193.1	29,600 *
36	80.3	192.8	29,100 *
38	79.7	192.4	28,900
40	79.1	192.0	26,800
45	77.5	191.0	22,500
50	76.0	189.8	19,500
55	74.4	188.4	16,900
60	72.8	186.9	14,800
65	71.3	185.3	13,000
70	69.7	183.5	11,500
75	68.0	181.5	10,300
80	66.4	179.4	9,200
85	64.7	177.1	8,200
90	63.1	174.6	7,400
95	61.3	172.0	6,700
100	59.6	169.1	6,000
105	57.8	166.0	5,400
110	56.0	162.7	4,900
115	54.2	159.2	4,400
120	52.3	155.5	4,000
125	50.4	151.4	3,500
130	48.4	147.1	3,200