

Liftcrane Boom Capacities

111 SERIES B

Boom No. 111 With Open Throat Top
49,700 Lb. Crane Counterweight
8,000 Lb. Carbody 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 crane counterweight = 28,500 Lbs., 2nd crane counterweight = 5,700 Lbs., 3rd crane counterweight = 15,500 Lbs. and carbody counterweight = 8,000 Lbs.

Maximum Boom Lengths Lifted Unassisted		
List	Over End of Blocked Crawlers	Over Side of Extended Crawlers
	Boom Length	Boom Length
0 Degree	190 Ft.	190 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 *	114,600 *	87,700 *	12
13	77.0	44.4	150,000 *	136,500 *	109,400 *	87,700 *	13
14	75.5	44.1	150,000 *	126,700 *	101,400 *	87,700 *	14
15	74.0	43.8	139,500	118,200 *	94,400 *	82,200 *	15
16	72.5	43.5	124,200	110,700 *	88,400 *	76,900 *	16
17	71.0	43.2	111,900	104,000 *	83,000 *	72,200 *	17
18	69.4	42.8	101,700	95,600	78,300 *	68,000 *	18
19	67.9	42.4	93,300	88,100	74,000 *	64,300 *	19
20	66.3	41.9	86,000	81,700	70,200 *	60,900 *	20
22	63.1	40.9	74,500	71,300	63,600 *	55,100 *	22
24	59.8	39.8	65,500	63,200	58,100 *	50,300 *	24
26	56.4	38.5	58,500	56,700	53,400 *	46,200 *	26
28	52.8	37.0	52,800	51,300	49,300	42,700 *	28
30	49.1	35.3	48,000	46,900	45,200	39,700 *	30
32	45.1	33.4	44,000	43,100	41,700	37,000 *	32
34	40.8	31.1	40,600	39,800	38,700	34,600 *	34
36	36.0	28.5	37,700	37,000	36,100	32,500 *	36
38	30.7	25.3	35,100	34,600	33,800	30,700 *	38
40	24.2	21.2	32,800	32,400	31,700	29,000 *	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	150,000 *	119,500 *	99,800 *	85,600 *	14
15	77.3	54.2	139,600	117,800 *	94,300 *	82,000 *	15
16	76.1	54.0	124,200	110,500 *	88,200 *	76,700 *	16
17	74.9	53.7	111,900	102,600	82,900 *	72,000 *	17
18	73.7	53.4	101,700	94,100	78,100 *	67,800 *	18
19	72.5	53.1	93,200	86,800	73,800 *	64,100 *	19
20	71.3	52.7	86,000	80,600	70,000 *	60,700 *	20
22	68.8	51.9	74,400	70,400	63,400 *	54,900 *	22
24	66.3	51.1	65,500	62,400	57,900 *	50,100 *	24
26	63.8	50.1	58,400	56,000	53,100	46,000 *	26
28	61.2	49.0	52,700	50,700	48,300	42,500 *	28
30	58.5	47.8	47,900	46,300	44,300	39,400 *	30
32	55.7	46.5	43,900	42,500	40,800	36,800 *	32
34	52.9	45.0	40,500	39,300	37,900	34,400 *	34
36	49.9	43.3	37,500	36,600	35,300	32,300 *	36
38	46.8	41.5	35,000	34,100	33,000	30,500 *	38
40	43.5	39.4	32,700	31,900	31,000	28,800 *	40
45	34.2	33.0	28,100	27,500	26,800	25,200 *	45
50	21.5	23.2	24,500	24,100	23,600	22,400 *	50

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60 Ft. Boom							
13	81.4	64.8	150,000 *				13
14	80.4	64.6	150,000 *	107,200 *			14
15	79.4	64.5	139,500	105,700 *	87,300 *		15
16	78.4	64.2	124,200	104,400 *	86,300 *	73,600 *	16
17	77.5	64.0	111,900	100,900	82,600 *	71,700 *	17
18	76.5	63.8	101,600	92,600	77,900 *	67,500 *	18
19	75.5	63.5	93,200	85,500	73,600 *	63,800 *	19
20	74.5	63.2	85,900	79,400	69,800 *	60,500 *	20
22	72.5	62.6	74,300	69,400	63,200 *	54,700 *	22
24	70.5	61.9	65,300	61,600	57,500	49,800 *	24
26	68.4	61.1	58,300	55,300	51,900	45,700 *	26
28	66.3	60.3	52,500	50,100	47,300	42,200 *	28
30	64.2	59.3	47,800	45,700	43,300	39,200 *	30
32	62.1	58.2	43,700	42,000	40,000	36,500 *	32
34	59.9	57.1	40,300	38,900	37,100	34,200 *	34
36	57.6	55.9	37,400	36,100	34,600	32,100 *	36
38	55.3	54.5	34,800	33,700	32,300	30,200 *	38
40	52.9	53.0	32,500	31,500	30,300	28,500 *	40
45	46.6	48.6	27,900	27,100	26,200	25,000 *	45
50	39.5	43.1	24,300	23,700	23,000	22,100 *	50
55	31.0	35.9	21,500	21,000	20,500	19,800 *	55
60	19.5	24.9	19,200	18,800	18,400	17,800 *	60
70 Ft. Boom							
14	81.8	74.8	149,300 *				14
15	81.0	74.6	137,900 *	95,500 *			15
16	80.1	74.4	124,100	94,400 *			16
17	79.3	74.2	111,800	93,300 *	76,400 *		17
18	78.4	74.0	101,500	91,200	75,700 *	64,100 *	18
19	77.6	73.8	93,100	84,300	73,500 *	63,600 *	19
20	76.8	73.6	85,800	78,300	69,600 *	60,300 *	20
22	75.1	73.0	74,200	68,500	62,900	54,500 *	22
24	73.4	72.5	65,200	60,800	56,300	49,600 *	24
26	71.6	71.8	58,200	54,600	50,900	45,600 *	26
28	69.9	71.1	52,400	49,500	46,300	42,100 *	28
30	68.1	70.3	47,600	45,200	42,500	39,000 *	30
32	66.4	69.4	43,600	41,600	39,300	36,400 *	32
34	64.5	68.5	40,200	38,400	36,400	34,000 *	34
36	62.7	67.5	37,300	35,700	33,900	31,900 *	36
38	60.8	66.3	34,700	33,300	31,800	30,100 *	38
40	58.9	65.2	32,400	31,200	29,800	28,400 *	40
45	54.0	61.8	27,800	26,800	25,800	24,800	45
50	48.7	57.7	24,200	23,400	22,600	21,800	50
55	42.9	52.7	21,300	20,700	20,100	19,500	55
60	36.4	46.5	19,100	18,500	18,000	17,500	60
65	28.6	38.4	17,200	16,700	16,300	15,900	65
70	18.0	26.5	15,600	15,100	14,800	14,500	70



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80 Ft. Boom							
16	81.4	84.6	122,600 *				16
17	80.6	84.4	111,700	84,400 *			17
18	79.9	84.2	101,400	83,500 *	67,900 *		18
19	79.2	84.0	92,900	82,600 *	67,300 *		19
20	78.5	83.8	85,700	77,200	66,700 *	56,300 *	20
22	77.0	83.4	74,100	67,600	61,400	54,200 *	22
24	75.5	82.9	65,100	60,100	55,000	49,400 *	24
26	74.0	82.3	58,000	53,900	49,800	45,300 *	26
28	72.5	81.7	52,200	48,900	45,400	41,800 *	28
30	71.0	81.0	47,400	44,700	41,700	38,700 *	30
32	69.5	80.3	43,400	41,100	38,500	36,100 *	32
34	67.9	79.4	40,000	38,000	35,700	33,700	34
36	66.4	78.6	37,100	35,300	33,300	31,500	36
38	64.8	77.6	34,500	32,900	31,100	29,500	38
40	63.2	76.6	32,200	30,800	29,200	27,800	40
45	59.1	73.8	27,600	26,400	25,200	24,100	45
50	54.8	70.5	24,000	23,100	22,100	21,200	50
55	50.2	66.6	21,100	20,400	19,600	18,900	55
60	45.3	61.9	18,900	18,200	17,600	17,000	60
65	40.0	56.4	17,000	16,300	15,800	15,300	65
70	33.9	49.6	15,400	14,800	14,400	14,000	70
75	26.7	40.8	14,000	13,400	13,100	12,800	75
80	16.8	27.9	12,800	12,300	12,000	11,800	80



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90 Ft. Boom							
17	81.7	94.6	111,600 *				17
18	81.0	94.4	101,300	75,900 *			18
19	80.4	94.2	92,900	75,100 *			19
20	79.8	94.0	85,600	74,400 *	60,300 *		20
22	78.5	93.6	74,000	66,800	59,300 *	49,900 *	22
24	77.1	93.2	65,000	59,400	53,900	49,200 *	24
26	75.8	92.7	57,900	53,400	48,800	44,900	26
28	74.5	92.1	52,100	48,400	44,600	41,200	28
30	73.2	91.5	47,300	44,200	40,900	38,000	30
32	71.8	90.9	43,300	40,700	37,800	35,300	32
34	70.5	90.2	39,900	37,600	35,100	32,900	34
36	69.1	89.4	37,000	34,900	32,700	30,800	36
38	67.8	88.6	34,400	32,600	30,600	28,900	38
40	66.4	87.7	32,100	30,500	28,800	27,200	40
45	62.8	85.3	27,400	26,200	24,900	23,600	45
50	59.2	82.5	23,900	22,800	21,800	20,800	50
55	55.4	79.2	21,000	20,200	19,300	18,500	55
60	51.4	75.4	18,800	18,000	17,300	16,600	60
65	47.1	71.0	16,900	16,100	15,600	15,000	65
70	42.6	65.9	15,300	14,600	14,100	13,600	70
75	37.6	59.9	13,900	13,300	12,900	12,500	75
80	31.9	52.5	12,700	12,100	11,800	11,400	80
85	25.1	43.1	11,700	11,100	10,800	10,600	85
90	15.8	29.3	10,800	10,200	10,000	9,800	90



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100 Ft. Boom							
18	81.9	104.5	101,100 *				18
19	81.4	104.4	92,700				19
20	80.8	104.2	85,400	68,000 *			20
22	79.6	103.8	73,800	65,900	53,900 *		22
24	78.5	103.4	64,800	58,600	52,700	44,600 *	24
26	77.3	103.0	57,800	52,700	47,800	43,600	26
28	76.1	102.5	52,000	47,800	43,700	40,100	28
30	74.9	102.0	47,200	43,700	40,200	37,100	30
32	73.7	101.4	43,100	40,200	37,100	34,400	32
34	72.5	100.8	39,700	37,200	34,500	32,100	34
36	71.3	100.1	36,800	34,500	32,100	30,000	36
38	70.1	99.4	34,200	32,200	30,100	28,200	38
40	68.9	98.6	31,900	30,100	28,200	26,500	40
45	65.7	96.5	27,300	25,900	24,400	23,100	45
50	62.6	94.0	23,700	22,500	21,400	20,300	50
55	59.3	91.1	20,800	19,900	18,900	18,100	55
60	55.8	87.9	18,600	17,700	16,900	16,200	60
65	52.3	84.2	16,700	15,900	15,200	14,600	65
70	48.5	80.0	15,100	14,300	13,800	13,300	70
75	44.6	75.2	13,700	13,000	12,500	12,100	75
80	40.3	69.6	12,500	11,900	11,500	11,100	80
85	35.6	63.1	11,500	10,800	10,500	10,200	85
90	30.2	55.2	10,600	10,000	9,700	9,400	90
95	23.8	45.2	9,800	9,200	8,900	8,700	95
100	14.9	30.6	9,100	8,500	8,300	8,100	100



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110 Ft. Boom							
20	81.6	114.3	85,300				20
22	80.6	114.0	73,700	60,900 *			22
24	79.5	113.6	64,600	57,900	48,300 *		24
26	78.5	113.2	57,600	52,100	46,800	39,800 *	26
28	77.4	112.8	51,800	47,200	42,800	39,000	28
30	76.3	112.3	47,000	43,200	39,400	36,100	30
32	75.2	111.8	42,900	39,700	36,400	33,500	32
34	74.2	111.2	39,500	36,700	33,800	31,300	34
36	73.1	110.6	36,600	34,100	31,500	29,300	36
38	72.0	110.0	34,000	31,800	29,500	27,500	38
40	70.9	109.3	31,700	29,700	27,700	25,900	40
45	68.1	107.4	27,100	25,500	23,900	22,500	45
50	65.2	105.2	23,500	22,200	20,900	19,800	50
55	62.3	102.7	20,600	19,500	18,500	17,600	55
60	59.3	99.8	18,400	17,400	16,500	15,700	60
65	56.2	96.6	16,500	15,600	14,800	14,200	65
70	53.0	93.0	14,900	14,000	13,400	12,800	70
75	49.7	88.9	13,500	12,700	12,200	11,700	75
80	46.1	84.3	12,300	11,600	11,100	10,700	80
85	42.4	79.1	11,300	10,600	10,200	9,800	85
90	38.3	73.2	10,400	9,700	9,300	9,000	90
95	33.8	66.2	9,500	8,900	8,600	8,300	95
100	28.8	57.8	8,800	8,200	7,900	7,700	100
105	22.7	47.2	8,200	7,500	7,300	7,100	105
110	14.2	31.8	7,600	7,000	6,800	6,600	110



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120 Ft. Boom							
22	81.4	124.1	73,500				22
24	80.4	123.8	64,500	54,800 *			24
26	79.4	123.4	57,500	51,500	43,400 *		26
28	78.5	123.0	51,600	46,700	42,000	35,700 *	28
30	77.5	122.6	46,800	42,700	38,700	35,200	30
32	76.5	122.1	42,800	39,300	35,800	32,700	32
34	75.5	121.6	39,300	36,300	33,200	30,500	34
36	74.5	121.0	36,500	33,700	31,000	28,600	36
38	73.5	120.5	33,900	31,400	29,000	26,900	38
40	72.5	119.8	31,600	29,400	27,200	25,300	40
45	70.0	118.1	26,900	25,200	23,500	22,000	45
50	67.4	116.1	23,300	21,900	20,600	19,300	50
55	64.8	113.9	20,500	19,300	18,200	17,200	55
60	62.1	111.3	18,300	17,100	16,200	15,400	60
65	59.4	108.5	16,400	15,300	14,600	13,800	65
70	56.6	105.3	14,700	13,800	13,100	12,500	70
75	53.6	101.8	13,300	12,500	11,900	11,400	75
80	50.6	97.8	12,200	11,400	10,900	10,400	80
85	47.4	93.4	11,100	10,400	9,900	9,500	85
90	44.0	88.5	10,200	9,500	9,100	8,700	90
95	40.5	82.9	9,400	8,700	8,400	8,000	95
100	36.6	76.5	8,700	8,000	7,700	7,400	100
105	32.3	69.1	8,000	7,300	7,100	6,900	105
110	27.5	60.3	7,400	6,800	6,600	6,400	110
115	21.7	49.1	6,900	6,200	6,100	5,900	115
120	13.6	33.0	6,400	5,800	5,600	5,500	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							
24	81.1	133.9	64,300				24
26	80.3	133.6	57,300	49,600 *			26
28	79.4	133.2	51,500	46,100	37,400 *		28
30	78.5	132.8	46,600	42,200	37,300 *	29,700 *	30
32	77.6	132.4	42,600	38,800	35,100	29,600 *	32
34	76.6	131.9	39,300	35,800	32,600	29,500 *	34
36	75.7	131.4	36,300	33,300	30,400	27,900	36
38	74.8	130.9	33,700	31,000	28,500	26,200	38
40	73.9	130.3	31,400	29,000	26,700	24,700	40
45	71.6	128.7	26,700	24,900	23,100	21,400	45
50	69.3	126.9	23,100	21,600	20,200	18,900	50
55	66.9	124.8	20,300	19,000	17,800	16,700	55
60	64.4	122.5	18,100	16,800	15,900	15,000	60
65	62.0	120.0	16,200	15,100	14,200	13,400	65
70	59.4	117.1	14,500	13,500	12,800	12,200	70
75	56.8	114.0	13,200	12,200	11,600	11,000	75
80	54.1	110.5	12,000	11,100	10,600	10,100	80
85	51.4	106.6	10,900	10,100	9,600	9,200	85
90	48.5	102.4	10,000	9,200	8,800	8,400	90
95	45.4	97.6	9,200	8,400	8,100	7,700	95
100	42.2	92.4	8,500	7,700	7,400	7,100	100
105	38.8	86.4	7,800	7,100	6,800	6,600	105
110	35.1	79.7	7,200	6,500	6,300	6,000	110
115	31.0	71.9	6,700	6,000	5,800	5,600	115
120	26.4	62.6	6,200	5,500	5,300	5,200	120
125	20.8	51.0	5,800	5,100	4,900	4,800	125
130	13.0	34.2	5,400	4,700	4,600	4,400	130



Liftcrane Boom Capacities

111 SERIES B

Boom No. 111 With Open Throat Top
49,700 Lb. Crane Counterweight
8,000 Lb. Carbody 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	64,100			24
26	81.0	143.8	57,100	42,000 *		26
28	80.1	143.4	51,300	41,900 *		28
30	79.3	143.0	46,500	41,700 *	31,400 *	30
32	78.5	142.6	42,400	38,300	31,300 *	32
34	77.6	142.2	39,100	35,400	31,200 *	34
36	76.8	141.7	36,100	32,900	29,800	36
38	75.9	141.2	33,500	30,600	27,900	38
40	75.1	140.7	31,200	28,600	26,200	40
45	73.0	139.2	26,500	24,500	22,600	45
50	70.8	137.6	22,900	21,300	19,700	50
55	68.6	135.7	20,000	18,700	17,400	55
60	66.4	133.6	17,900	16,500	15,500	60
65	64.1	131.2	15,900	14,800	13,900	65
70	61.8	128.6	14,300	13,200	12,500	70
75	59.5	125.8	12,900	11,900	11,300	75
80	57.1	122.7	11,700	10,800	10,200	80
85	54.6	119.2	10,700	9,800	9,300	85
90	52.0	115.4	9,800	8,900	8,500	90
95	49.4	111.3	9,000	8,200	7,800	95
100	46.6	106.7	8,200	7,500	7,100	100
105	43.7	101.7	7,600	6,800	6,500	105
110	40.6	96.1	7,000	6,200	6,000	110
115	37.3	89.9	6,500	5,700	5,500	115
120	33.8	82.8	6,000	5,200	5,000	120
125	29.9	74.6	5,500	4,800	4,600	125
130	25.4	64.9	5,100	4,400	4,200	130
135	20.0	52.7	4,800	4,000	3,900	135
140	12.6	35.2	4,400	3,700	3,600	140

Liftcrane Boom Capacities

111 SERIES B

Boom No. 111 With Open Throat Top
49,700 Lb. Crane Counterweight
8,000 Lb. Carbody 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	55,100 *			26
28	80.8	153.6	51,100	35,600 *		28
30	80.0	153.2	46,300	35,500 *	26,500 *	30
32	79.2	152.8	42,200	35,300 *	26,400 *	32
34	78.5	152.4	38,900	35,000	26,300 *	34
36	77.7	152.0	35,900	32,500	26,200 *	36
38	76.9	151.5	33,300	30,300	26,100 *	38
40	76.1	151.0	31,000	28,300	25,700	40
45	74.1	149.7	26,300	24,200	22,200	45
50	72.1	148.1	22,700	21,000	19,400	50
55	70.1	146.4	19,800	18,400	17,100	55
60	68.1	144.4	17,700	16,300	15,200	60
65	66.0	142.3	15,800	14,500	13,600	65
70	63.9	139.9	14,200	13,000	12,200	70
75	61.7	137.3	12,800	11,700	11,000	75
80	59.5	134.5	11,600	10,600	10,000	80
85	57.3	131.3	10,500	9,600	9,100	85
90	54.9	127.9	9,600	8,700	8,200	90
95	52.6	124.2	8,800	7,900	7,500	95
100	50.1	120.2	8,100	7,200	6,900	100
105	47.6	115.8	7,400	6,600	6,300	105
110	44.9	110.9	6,800	6,000	5,700	110
115	42.1	105.6	6,300	5,500	5,200	115
120	39.2	99.7	5,800	5,000	4,800	120
125	36.0	93.1	5,400	4,600	4,400	125
130	32.6	85.7	5,000	4,200	4,000	130
135	28.8	77.2	4,600	3,800	3,700	135
140	24.5	67.1	4,200	3,500	3,300	140
145	19.3	54.5	3,900	3,200	3,000	145
150	12.1	36.3	3,500 *			150



Liftcrane Boom Capacities

111 SERIES B

Boom No. 111 With Open Throat Top
49,700 Lb. Crane Counterweight
8,000 Lb. Carbody 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	46,900 *	
30	80.6	163.4	46,100	30,400 *
32	79.9	163.0	42,000	30,200 *
34	79.2	162.6	38,700	30,100 *
36	78.5	162.2	35,700	29,900 *
38	77.7	161.8	33,100	29,800 *
40	77.0	161.3	30,800	27,900
45	75.1	160.1	26,100	23,800
50	73.3	158.6	22,500	20,700
55	71.4	157.0	19,600	18,100
60	69.5	155.2	17,500	16,000
65	67.6	153.2	15,600	14,200
70	65.6	151.0	13,900	12,700
75	63.6	148.6	12,600	11,400
80	61.6	146.0	11,400	10,300
85	59.5	143.1	10,300	9,300
90	57.4	140.0	9,400	8,500
95	55.3	136.6	8,600	7,700
100	53.1	133.0	7,900	7,000
105	50.8	129.0	7,200	6,400
110	48.4	124.7	6,600	5,800
115	46.0	120.1	6,100	5,300
120	43.4	114.9	5,600	4,800
125	40.7	109.3	5,200	4,400
130	37.9	103.2	4,700	4,000
135	34.8	96.3	4,400	3,600
140	31.5	88.6	4,000	3,300
145	27.9	79.7	3,700	
150	23.7	69.2	3,400	
155	18.7	56.1	3,100	

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	40,000 *	26,000 *
34	79.8	172.8	38,600	25,900 *
36	79.1	172.4	35,500	25,700 *
38	78.5	172.0	32,900	25,600 *
40	77.8	171.6	30,600	25,500 *
45	76.0	170.4	25,900	23,500
50	74.3	169.0	22,300	20,300
55	72.5	167.5	19,400	17,800
60	70.8	165.8	17,300	15,700
65	69.0	164.0	15,400	13,900
70	67.1	161.9	13,700	12,400
75	65.3	159.7	12,300	11,100
80	63.4	157.3	11,100	10,000
85	61.5	154.6	10,100	9,000
90	59.6	151.8	9,200	8,200
95	57.6	148.7	8,400	7,400
100	55.6	145.4	7,600	6,700
105	53.5	141.8	7,000	6,100
110	51.3	137.9	6,400	5,500
115	49.1	133.7	5,900	5,000
120	46.9	129.1	5,400	4,500
125	44.5	124.2	4,900	4,100
130	42.0	118.8	4,500	3,700
135	39.4	113.0	4,100	3,300
140	36.7	106.5	3,800	3,000
145	33.7	99.3	3,500	
150	30.5	91.3	3,200	



Liftcrane Boom Capacities

111 SERIES B

Boom No. 111 With Open Throat Top
 49,700 Lb. Crane Counterweight
 8,000 Lb. Carbody 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	33,700 *
38	79.1	182.2	32,500 *
40	78.5	181.8	30,400
45	76.8	180.7	25,700
50	75.2	179.4	22,100
55	73.5	178.0	19,500
60	71.9	176.4	17,100
65	70.2	174.7	15,200
70	68.5	172.8	13,500
75	66.7	170.7	12,200
80	65.0	168.4	11,000
85	63.2	165.9	9,900
90	61.4	163.3	9,000
95	59.6	160.4	8,200
100	57.7	157.4	7,500
105	55.8	154.1	6,800
110	53.9	150.5	6,200
115	51.9	146.7	5,700
120	49.8	142.6	5,200
125	47.7	138.1	4,700
130	45.5	133.4	4,300
135	43.2	128.2	3,900
140	40.8	122.6	3,600
145	38.3	116.5	3,300
150	35.6	109.7	3,000

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	29,000 *
40	79.1	192.0	27,900 *
45	77.5	191.0	25,500
50	76.0	189.8	21,900
55	74.4	188.4	19,300
60	72.8	186.9	16,900
65	71.3	185.3	15,000
70	69.7	183.5	13,300
75	68.0	181.5	12,000
80	66.4	179.4	10,700
85	64.7	177.1	9,700
90	63.1	174.6	8,800
95	61.3	172.0	8,000
100	59.6	169.1	7,200
105	57.8	166.0	6,600
110	56.0	162.7	6,000
115	54.2	159.2	5,400
120	52.3	155.5	5,000
125	50.4	151.4	4,500
130	48.4	147.1	4,100
135	46.3	142.4	3,700
140	44.2	137.4	3,400
145	42.0	132.1	3,100