



Liftcrane Boom Capacities

57,600 lb Crane Counterweight
14,300 lb Carbody Counterweight
Crawler Crane on a Barge
0 Degree through 3 Degree Crane List
Extended Position Crawlers
360 Degree Rating

8500-1

LIFTING CAPACITIES:

- Lifting capacities are for a crawler crane when operating on a barge. Machine to operate on a firm uniformly supporting surface with machine list not to exceed degrees noted. The user must limit rated loads to allow for adverse conditions (such as soft or uneven ground, out-of-level conditions, wind, side loads, pendulum action, jerking or sudden stopping of loads, inexperience of personnel, and multiple machine lifts).
- Capacities do not exceed 75% of minimum tipping loads. Capacities based on factors other than machine stability such as structural competence are shown by asterisk * in the charts.
- Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine capacity.
- Do not attempt to lift where no radius on load chart is listed as crane may tip or collapse.
- Weight of hooks, hook blocks, slings and other lifting devices beneath boom point sheaves are part of the total load. Their total weight must be subtracted from the rated load to obtain the weight that can be lifted.
- Load radius is horizontal distance from axis of rotation to center of gravity of the freely suspended load. Boom angle is angle between horizontal and centerline of boom butt and inserts, and is an indication of radius. In all cases, operating radius shall govern capacity.
- Least stable position is over the side.
- Boom point elevation is vertical distance from barge deck to centerline of boom point shaft.
- Upper boom point capacity for liftcrane service with single part line is 17,000 lbs. In all cases, upper boom point capacities cannot exceed those listed for Liftcrane Boom capacity reduced by 320 lbs.
- Lifting capacities listed apply only to the machine as originally manufactured and designed. Modifications to this machine or use of equipment other than that specified can reduce operating capacity.
- Travel with load (pick and carry) is not permitted.
- Jib installation is prohibited when crane is on a barge.

OPERATING CONDITION:

- The machine must be reeved and set-up as stated in the Operator Manual. If this manual is missing, obtain replacement.
 - Boom backstops are required for all boom lengths.
 - Gantry must be fully raised position for all operation.
 - Crawlers must be fully extended and be locked in position.
 - Crane shall be positively secured to prevent shifting.
 - Refer to operator manual for operating guidelines.

Maximum Boom Lengths Lifted Unassisted	
Over End of Crawlers	
200 ft.(a)	190 ft.
Load block, hook and weight ball on ground at start. (a) Upper point cannot be attached on 200 ft. boom.	

- See Operator Manual Section 6 for Wire Rope Specifications.
- Machine equipped with 20 ft 7 in crawlers, 36 in treads, 12 parts of boom hoist reeving, 57,600 lb crane counterweight and 14,300 lb carbody counterweight.

Hoist Reeving for Main Boom Loads

No. of Parts of Line	1	2	3	4	5
Maximum Loads (lb)	17,000	34,000	51,000	68,000	85,000

No. of Parts of Line	6	7	8	9	10
Maximum Loads (lb)	102,000	119,000	136,000	153,000	170,000

Hoist Reeving for Upper Boom Point

No. of Parts of Line	1
Maximum Loads (lb)	17,000

Operation of this equipment in excess of rated loads or disregard of instruction voids the warranty.



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Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	0 Degree Crane List	1 Degree Crane List	2 Degree Crane List	3 Degree Crane List	Load Radius (ft)
40 ft Boom							
10.0	81.7	45.2	170,000 *				10.0
11.0	80.3	45.1	170,000 *				11.0
12.0	78.8	44.9	166,600 *				12.0
13.0	77.4	44.6	154,600 *				13.0
14.0	75.9	44.4	144,200 *				14.0
15.0	74.4	44.1	135,100 *	135,100 *			15.0
16.0	72.9	43.8	127,100 *	127,100 *			16.0
17.0	71.4	43.4	119,900 *	119,900 *	105,100		17.0
18.0	69.9	43.1	113,400 *	113,400 *	100,200		18.0
19.0	68.3	42.7	105,820	98,900	93,300		19.0
20.0	66.7	42.2	97,500	92,100	86,400		20.0
22.0	63.6	41.3	84,190	80,100	75,700	71,700	22.0
24.0	60.3	40.2	74,000	70,800	67,300	64,700	24.0
26.0	56.9	38.9	65,980	63,300	60,500	58,100	26.0
28.0	53.4	37.5	59,480	57,200	55,000	53,000	28.0
30.0	49.7	35.8	54,100	52,300	50,400	48,700	30.0
32.0	45.7	33.9	49,580	48,100	46,500	45,100	32.0
34.0	41.5	31.8	45,740	44,500	43,200	42,100	34.0
36.0	36.9	29.2	42,460	41,400	40,300	39,400	36.0
50 ft Boom							
12.0	81.1	55.0	166,400 *				12.0
13.0	79.9	54.9	154,400 *				13.0
14.0	78.8	54.7	144,000 *				14.0
15.0	77.6	54.4	134,900 *				15.0
16.0	76.4	54.2	126,900 *				16.0
17.0	75.2	53.9	119,700 *				17.0
18.0	74.0	53.6	113,200 *	105,400			18.0
19.0	72.8	53.3	105,660	97,100			19.0
20.0	71.6	53.0	97,350	90,500			20.0
22.0	69.2	52.2	84,010	78,800	73,500		22.0
24.0	66.7	51.4	73,810	69,700	65,500		24.0
26.0	64.2	50.5	65,760	62,400	59,000	56,100	26.0
28.0	61.6	49.4	59,230	56,400	53,700	51,400	28.0
30.0	58.9	48.2	53,850	51,500	49,200	47,300	30.0
32.0	56.2	46.9	49,310	47,300	45,500	43,700	32.0
34.0	53.3	45.5	45,480	43,700	42,200	40,700	34.0
36.0	50.4	43.8	42,150	40,600	39,300	38,100	36.0
38.0	47.3	42.0	39,280	37,900	36,800	35,500	38.0
40.0	44.1	40.0	36,750	35,700	34,800	33,800	40.0



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60 ft Boom							
13.0	81.6	65.0	154,200 *				13.0
14.0	80.7	64.8	143,800 *				14.0
15.0	79.7	64.7	134,700 *				15.0
16.0	78.7	64.5	126,700 *				16.0
17.0	77.7	64.2	119,500 *				17.0
18.0	76.8	64.0	113,000 *				18.0
19.0	75.8	63.7	105,460				19.0
20.0	74.8	63.5	97,130	89,000			20.0
22.0	72.8	62.9	83,790	77,500			22.0
24.0	70.8	62.2	73,560	68,500	63,600		24.0
26.0	68.7	61.4	65,490	61,400	57,900	51,000	26.0
28.0	66.6	60.6	58,970	55,600	52,700	49,100	28.0
30.0	64.5	59.6	53,570	50,700	48,200	45,800	30.0
32.0	62.4	58.6	49,030	46,600	44,500	42,500	32.0
34.0	60.2	57.5	45,170	43,100	41,000	39,400	34.0
36.0	58.0	56.3	41,840	40,000	38,400	36,900	36.0
38.0	55.7	54.9	38,950	37,300	35,800	34,700	38.0
40.0	53.3	53.5	36,410	35,000	33,900	32,700	40.0
45.0	47.0	49.2	31,230	30,200	29,300	28,500	45.0
50.0	40.0	43.8	27,290	26,400	25,900	25,300	50.0
70 ft Boom							
14.0	82.0	75.0	143,600 *				14.0
15.0	81.2	74.8	134,500 *				15.0
16.0	80.3	74.6	126,500 *				16.0
17.0	79.5	74.5	119,300 *				17.0
18.0	78.7	74.2	112,800 *				18.0
19.0	77.8	74.0	105,400				19.0
20.0	77.0	73.8	97,060				20.0
22.0	75.3	73.3	83,700				22.0
24.0	73.6	72.7	73,470	67,700			24.0
26.0	71.9	72.1	65,380	60,600			26.0
28.0	70.1	71.4	58,840	54,900	51,600		28.0
30.0	68.4	70.6	53,430	50,200	47,300	42,400	30.0
32.0	66.6	69.7	48,890	46,100	43,700	40,900	32.0
34.0	64.8	68.8	45,030	42,500	40,500	38,400	34.0
36.0	63.0	67.8	41,680	39,500	37,700	35,900	36.0
38.0	61.1	66.7	38,800	36,900	35,000	33,900	38.0
40.0	59.2	65.5	36,240	34,800	33,300	31,900	40.0
45.0	54.3	62.2	31,040	29,900	28,800	27,700	45.0
50.0	49.0	58.2	27,070	26,100	25,300	24,600	50.0
55.0	43.3	53.3	23,960	23,100	22,500	21,900	55.0
60.0	36.9	47.2	21,450	20,800	20,300	19,800	60.0



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Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	0 Degree Crane List	1 Degree Crane List	2 Degree Crane List	3 Degree Crane List	Load Radius (ft)
80 ft Boom							
16.0	81.6	84.8	126,300 *				16.0
17.0	80.8	84.6	119,100 *				17.0
18.0	80.1	84.4	112,600 *				18.0
19.0	79.4	84.2	105,290				19.0
20.0	78.6	84.0	96,930				20.0
22.0	77.2	83.6	83,550				22.0
24.0	75.7	83.1	73,320				24.0
26.0	74.2	82.5	65,230	60,000			26.0
28.0	72.7	81.9	58,680	54,200			28.0
30.0	71.2	81.3	53,260	49,500			30.0
32.0	69.7	80.5	48,690	45,500	42,800		32.0
34.0	68.1	79.7	44,840	42,000	39,700	35,800	34.0
36.0	66.6	78.9	41,490	39,000	36,900	34,500	36.0
38.0	65.0	78.0	38,580	36,500	34,600	32,700	38.0
40.0	63.4	77.0	36,020	34,300	32,600	30,900	40.0
45.0	59.3	74.2	30,820	29,500	28,200	27,000	45.0
50.0	55.0	70.9	26,820	25,700	24,700	23,800	50.0
55.0	50.5	67.1	23,670	22,800	22,000	21,300	55.0
60.0	45.6	62.5	21,140	20,400	19,900	19,200	60.0
65.0	40.3	57.0	19,060	18,400	18,000	17,500	65.0
90 ft Boom							
17.0	81.9	94.7	118,820 *				17.0
18.0	81.2	94.6	112,400 *				18.0
19.0	80.6	94.4	105,220				19.0
20.0	79.9	94.2	96,870				20.0
22.0	78.6	93.8	83,480				22.0
24.0	77.3	93.4	73,230				24.0
26.0	76.0	92.9	65,140				26.0
28.0	74.7	92.4	58,570	53,700			28.0
30.0	73.4	91.8	53,150	49,000			30.0
32.0	72.0	91.1	48,580	45,000	41,700		32.0
34.0	70.7	90.5	44,700	41,700	38,900		34.0
36.0	69.3	89.7	41,380	38,700	36,300		36.0
38.0	68.0	88.9	38,440	36,100	34,200		38.0
40.0	66.6	88.1	35,890	34,000	32,100	29,900	40.0
45.0	63.0	85.7	30,660	29,300	27,700	26,400	45.0
50.0	59.4	82.9	26,670	25,500	24,300	23,400	50.0
55.0	55.6	79.6	23,520	22,500	21,600	20,800	55.0
60.0	51.6	75.9	20,960	20,100	19,400	18,700	60.0
65.0	47.4	71.6	18,870	18,100	17,600	17,000	65.0
70.0	42.9	66.5	17,100	16,400	16,000	15,600	70.0
75.0	37.9	60.5	15,630	15,100	14,800	14,400	75.0



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100 ft Boom							
19.0	81.5	104.6	101,850 *				19.0
20.0	80.9	104.4	96,800				20.0
22.0	79.8	104.0	83,400				22.0
24.0	78.6	103.6	73,120				24.0
26.0	77.4	103.2	65,010				26.0
28.0	76.3	102.7	58,440				28.0
30.0	75.1	102.2	53,020				30.0
32.0	73.9	101.6	48,450	44,500			32.0
34.0	72.7	101.0	44,550	41,100			34.0
36.0	71.5	100.4	41,200	38,200	35,700		36.0
38.0	70.3	99.6	38,290	35,600	33,700		38.0
40.0	69.0	98.9	35,730	33,500	31,600		40.0
45.0	65.9	96.8	30,480	28,900	27,300	25,800	45.0
50.0	62.7	94.3	26,470	25,100	24,000	22,800	50.0
55.0	59.5	91.5	23,320	22,200	21,200	20,200	55.0
60.0	56.1	88.3	20,740	19,800	19,100	18,200	60.0
65.0	52.5	84.7	18,620	17,800	17,200	16,500	65.0
70.0	48.8	80.5	16,860	16,200	15,600	15,000	70.0
75.0	44.8	75.8	15,360	14,800	14,300	13,900	75.0
80.0	40.6	70.3	14,080	13,600	13,100	12,900	80.0
85.0	35.9	63.8	12,980	12,600	12,200	12,000	85.0
110 ft Boom							
20.0	81.8	114.5	92,590 *				20.0
22.0	80.7	114.2	83,260				22.0
24.0	79.7	113.8	73,010				24.0
26.0	78.6	113.4	64,900				26.0
28.0	77.5	113.0	58,330				28.0
30.0	76.5	112.5	52,880				30.0
32.0	75.4	112.0	48,320				32.0
34.0	74.3	111.5	44,440	40,600			34.0
36.0	73.2	110.9	41,090	37,800			36.0
38.0	72.1	110.2	38,160	35,300			38.0
40.0	71.0	109.5	35,600	33,200			40.0
45.0	68.2	107.7	30,350	28,500			45.0
50.0	65.4	105.5	26,340	24,900	23,500		50.0
55.0	62.5	103.0	23,170	21,900	20,800	22,100	55.0
60.0	59.5	100.2	20,610	19,600	18,700	19,900	60.0
65.0	56.4	97.0	18,490	17,700	16,900	17,800	65.0
70.0	53.2	93.4	16,710	16,000	15,300	16,100	70.0
75.0	49.9	89.4	15,210	14,500	13,900	14,800	75.0
80.0	46.4	84.9	13,910	13,300	12,900	13,500	80.0
85.0	42.6	79.7	12,800	12,300	11,900	12,500	85.0
90.0	38.6	73.8	11,830	11,400	11,000	11,600	90.0
95.0	34.2	67.0	10,970	10,600	10,300	10,800	95.0



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120 ft Boom							
22.0	81.5	124.3	80,680 *				22.0
24.0	80.5	124.0	72,950				24.0
26.0	79.6	123.6	64,810				26.0
28.0	78.6	123.2	58,240				28.0
30.0	77.6	122.8	52,800				30.0
32.0	76.6	122.3	48,230				32.0
34.0	75.6	121.8	44,330				34.0
36.0	74.7	121.3	40,980	37,600			36.0
38.0	73.7	120.7	38,050	35,100			38.0
40.0	72.7	120.1	35,470	33,000			40.0
45.0	70.1	118.4	30,220	28,300	26,200		45.0
50.0	67.6	116.4	26,210	24,600	23,100		50.0
55.0	65.0	114.2	23,010	21,600	20,500	19,400	55.0
60.0	62.3	111.7	20,450	19,300	18,300	17,400	60.0
65.0	59.5	108.9	18,320	17,400	16,500	15,700	65.0
70.0	56.7	105.7	16,530	15,700	14,900	14,400	70.0
75.0	53.8	102.2	15,010	14,300	13,700	13,200	75.0
80.0	50.8	98.3	13,710	13,000	12,700	12,100	80.0
85.0	47.6	93.9	12,580	12,000	11,600	11,200	85.0
90.0	44.3	89.0	11,590	11,100	10,700	10,400	90.0
95.0	40.7	83.5	10,730	10,300	9,900	9,600	95.0
100.0	36.9	77.2	9,960	9,500	9,300	8,900	100.0
105.0	32.7	69.9	9,280		8,700	8,500	105.0
130 ft Boom							
24.0	81.3	134.1	71,200 *				24.0
26.0	80.4	133.8	64,610				26.0
28.0	79.5	133.4	58,020				28.0
30.0	78.6	133.0	52,570				30.0
32.0	77.7	132.6	48,010				32.0
34.0	76.8	132.1	44,110				34.0
36.0	75.9	131.6	40,760				36.0
38.0	74.9	131.1	37,830	34,600			38.0
40.0	74.0	130.5	35,250	32,500			40.0
45.0	71.7	129.0	30,000	27,800			45.0
50.0	69.4	127.2	25,970	24,200	22,600		50.0
55.0	67.0	125.2	22,790	21,300	20,100		55.0
60.0	64.6	122.9	20,210	19,000	17,900	16,800	60.0
65.0	62.1	120.3	18,070	17,100	16,100	15,400	65.0
70.0	59.6	117.5	16,290	15,400	14,600	14,000	70.0
75.0	57.0	114.4	14,770	14,000	13,200	12,800	75.0
80.0	54.3	110.9	13,470	12,800	12,100	11,700	80.0
85.0	51.5	107.1	12,320	11,700	11,200	10,700	85.0
90.0	48.6	102.9	11,330	10,700	10,400	10,000	90.0
95.0	45.6	98.2	10,440	9,900	9,700	9,200	95.0
100.0	42.4	93.0	9,670	9,200	8,900	8,600	100.0
105.0	39.0	87.1	8,990	8,600	8,300	8,000	105.0
110.0	35.4	80.5	8,390	8,000	7,800	7,500	110.0



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140 ft Boom							
24.0	81.9	144.3	61,720 *				24.0
26.0	81.1	143.9	60,840				26.0
28.0	80.2	143.6	57,980				28.0
30.0	79.4	143.2	52,530				30.0
32.0	78.6	142.8	47,950				32.0
34.0	77.7	142.4	44,040				34.0
36.0	76.9	141.9	40,670				36.0
38.0	76.0	141.5	37,740				38.0
40.0	75.2	140.9	35,160				40.0
45.0	73.1	139.5	29,910				45.0
50.0	70.9	137.8	25,880	24,100	22,300		50.0
55.0	68.7	136.0	22,680	21,200	19,700		55.0
60.0	66.5	133.9	20,100	18,800	17,700	15,700	60.0
65.0	64.3	131.6	17,960	16,800	15,800	14,900	65.0
70.0	62.0	129.0	16,150	15,100	14,400	13,600	70.0
75.0	59.6	126.2	14,630	13,700	13,100	12,400	75.0
80.0	57.2	123.1	13,310	12,500	12,000	11,400	80.0
85.0	54.7	119.7	12,160	11,500	11,000	10,600	85.0
90.0	52.2	115.9	11,170	10,600	10,100	9,700	90.0
95.0	49.5	111.8	10,290	9,800	9,400	8,900	95.0
100.0	46.8	107.3	9,500	9,000	8,700	8,300	100.0
105.0	43.9	102.3	8,790	8,300	8,100	7,700	105.0
110.0	40.8	96.7	8,170	7,700	7,500	7,200	110.0
115.0	37.6	90.5	7,620	7,200	7,000	6,800	115.0
120.0	34.0	83.5	7,120	6,700	6,500	6,400	120.0



Liftcrane Boom Capacities

57,600 lb Crane Counterweight

14,300 lb Carbody Counterweight

Crawler Crane on a Barge

0 Degree through 3 Degree Crane List

Extended Position Crawlers

360 Degree Rating

8500-1

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	0 Degree Crane List	1 Degree Crane List	2 Degree Crane List	3 Degree Crane List	Load Radius (ft)
150 ft Boom							
26.0	81.7	154.1	52,680 *				26.0
28.0	80.9	153.7	51,800 *				28.0
30.0	80.1	153.4	51,140 *				30.0
32.0	79.3	153.0	47,810				32.0
34.0	78.6	152.6	43,890				34.0
36.0	77.8	152.2	40,540				36.0
38.0	77.0	151.7	37,610				38.0
40.0	76.2	151.3	35,030				40.0
45.0	74.2	149.9	29,760				45.0
50.0	72.2	148.4	25,720	23,700			50.0
55.0	70.2	146.7	22,530	20,900	19,200		55.0
60.0	68.2	144.7	19,950	18,600	17,400		60.0
65.0	66.1	142.6	17,810	16,600	15,600	13,700	65.0
70.0	64.0	140.3	16,000	15,000	14,100	13,100	70.0
75.0	61.8	137.7	14,480	13,700	12,800	12,100	75.0
80.0	59.6	134.8	13,160	12,300	11,700	11,100	80.0
85.0	57.4	131.7	12,010	11,300	10,600	10,200	85.0
90.0	55.1	128.4	11,000	10,400	9,800	9,400	90.0
95.0	52.7	124.7	10,110	9,500	9,100	8,600	95.0
100.0	50.3	120.7	9,320	8,700	8,400	8,000	100.0
105.0	47.7	116.3	8,640	8,100	7,800	7,600	105.0
110.0	45.1	111.5	8,000	7,500	7,200	7,000	110.0
115.0	42.3	106.2	7,420	7,100	6,700	6,500	115.0
120.0	39.4	100.4	6,920	6,600	6,300	6,100	120.0
125.0	36.2	93.9	6,450	6,100	5,800	5,700	125.0
130.0	32.8	86.5	6,040		5,600	5,300	130.0



Liftcrane Boom Capacities

57,600 lb Crane Counterweight
14,300 lb Carbody Counterweight
Crawler Crane on a Barge
0 Degree through 3 Degree Crane List
Extended Position Crawlers
360 Degree Rating

8500-1

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	0 Degree Crane List	1 Degree Crane List	2 Degree Crane List	3 Degree Crane List	Load Radius (ft)
160 ft Boom							
28.0	81.5	163.9	44,090 *				28.0
30.0	80.7	163.6	43,430 *				30.0
32.0	80.0	163.2	42,760 *				32.0
34.0	79.3	162.8	42,100 *				34.0
36.0	78.6	162.4	40,520				36.0
38.0	77.8	162.0	37,560				38.0
40.0	77.1	161.5	34,980				40.0
45.0	75.2	160.3	29,710				45.0
50.0	73.4	158.9	25,680				50.0
55.0	71.5	157.3	22,480	20,800			55.0
60.0	69.6	155.5	19,880	18,400	17,100		60.0
65.0	67.7	153.5	17,720	16,400	15,400		65.0
70.0	65.7	151.3	15,930	14,800	14,000	12,000	70.0
75.0	63.7	148.9	14,390	13,400	12,700	11,600	75.0
80.0	61.7	146.3	13,070	12,200	11,500	10,900	80.0
85.0	59.7	143.5	11,920	11,100	10,500	9,900	85.0
90.0	57.6	140.4	10,910	10,100	9,700	9,200	90.0
95.0	55.4	137.1	10,000	9,300	8,800	8,500	95.0
100.0	53.2	133.4	9,210	8,700	8,200	7,900	100.0
105.0	50.9	129.5	8,500	8,000	7,500	7,200	105.0
110.0	48.6	125.2	7,870	7,400	7,100	6,700	110.0
115.0	46.1	120.6	7,290	6,800	6,500	6,300	115.0
120.0	43.6	115.5	6,760	6,400	6,000	5,800	120.0
125.0	40.9	110.0	6,280	6,000	5,600	5,400	125.0
130.0	38.1	103.9	5,860	5,500	5,300	5,000	130.0
135.0	35.0	97.0	5,440	5,100	5,000	4,600	135.0
140.0	31.8	89.4	5,070		4,500	4,400	140.0



Liftcrane Boom Capacities

57,600 lb Crane Counterweight

14,300 lb Carbody Counterweight

Crawler Crane on a Barge

0 Degree through 3 Degree Crane List

Extended Position Crawlers

360 Degree Rating

8500-1

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	0 Degree Crane List	1 Degree Crane List	2 Degree Crane List	3 Degree Crane List	Load Radius (ft)
170 ft Boom							
28.0	82.0	174.0	38,800 *				28.0
30.0	81.3	173.7	38,130 *				30.0
32.0	80.6	173.4	37,470 *				32.0
34.0	79.9	173.0	37,030 *				34.0
36.0	79.2	172.6	36,370 *				36.0
38.0	78.6	172.2	35,710 *				38.0
40.0	77.9	171.8	34,780				40.0
45.0	76.1	170.6	29,510				45.0
50.0	74.4	169.3	25,460				50.0
55.0	72.6	167.8	22,260	20,500			55.0
60.0	70.8	166.1	19,660	18,100	15,700		60.0
65.0	69.1	164.3	17,520	16,100	15,000		65.0
70.0	67.2	162.2	15,710	14,500	13,700		70.0
75.0	65.4	160.0	14,170	13,100	12,400	10,400	75.0
80.0	63.5	157.6	12,850	11,900	11,200	10,200	80.0
85.0	61.6	155.0	11,680	10,800	10,300	9,600	85.0
90.0	59.7	152.2	10,670	9,900	9,400	8,900	90.0
95.0	57.7	149.1	9,780	9,100	8,600	8,200	95.0
100.0	55.7	145.8	8,990	8,400	7,900	7,600	100.0
105.0	53.6	142.2	8,260	7,800	7,200	6,900	105.0
110.0	51.5	138.3	7,620	7,100	6,800	6,400	110.0
115.0	49.3	134.2	7,050	6,600	6,200	6,000	115.0
120.0	47.0	129.7	6,520	6,100	5,700	5,600	120.0
125.0	44.7	124.8	6,040	5,600	5,300	5,100	125.0
130.0	42.2	119.4	5,570	5,200	4,900	4,700	130.0
135.0	39.6	113.6	5,150	4,800	4,500	4,300	135.0
140.0	36.9	107.2	4,760	4,400	4,200	3,900	140.0
145.0	34.0	100.1	4,380	4,100	3,800	3,700	145.0
150.0	30.8	92.2	4,050			3,500	150.0



Liftcrane Boom Capacities

57,600 lb Crane Counterweight
14,300 lb Carbody Counterweight
Crawler Crane on a Barge
0 Degree through 3 Degree Crane List
Extended Position Crawlers
360 Degree Rating

8500-1

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	0 Degree Crane List	1 Degree Crane List	2 Degree Crane List	3 Degree Crane List	Load Radius (ft)
180 ft Boom							
30.0	81.8	183.8	33,730 *				30.0
32.0	81.1	183.5	33,060 *				32.0
34.0	80.5	183.2	32,620 *				34.0
36.0	79.8	182.8	31,960 *				36.0
38.0	79.2	182.4	31,520 *				38.0
40.0	78.5	182.0	31,080 *				40.0
45.0	76.9	180.9	29,250				45.0
50.0	75.3	179.7	25,220				50.0
55.0	73.6	178.3	22,000				55.0
60.0	72.0	176.7	19,400	17,800			60.0
65.0	70.3	175.0	17,260	15,900	13,700		65.0
70.0	68.6	173.1	15,450	14,300	13,100		70.0
75.0	66.8	171.0	13,910	12,800	11,900	9,300	75.0
80.0	65.1	168.7	12,560	11,700	10,800	9,000	80.0
85.0	63.3	166.3	11,410	10,600	10,000	8,800	85.0
90.0	61.5	163.7	10,400	9,600	9,100	8,500	90.0
95.0	59.7	160.8	9,500	8,800	8,300	7,800	95.0
100.0	57.8	157.8	8,700	8,100	7,600	7,200	100.0
105.0	55.9	154.5	8,000	7,300	7,000	6,600	105.0
110.0	54.0	150.9	7,340	6,800	6,400	6,100	110.0
115.0	52.0	147.1	6,760	6,200	5,900	5,600	115.0
120.0	49.9	143.0	6,230	5,700	5,500	5,100	120.0
125.0	47.8	138.6	5,700	5,300	4,800	4,600	125.0
130.0	45.6	133.9	5,220	4,800	4,600	4,200	130.0
135.0	43.3	128.8	4,780	4,400	4,200	3,900	135.0
140.0	40.9	123.2	4,380	4,000	3,800	3,600	140.0
145.0	38.4	117.1	4,030	3,600	3,500	3,200	145.0
150.0	35.8	110.5	3,680	3,400	3,200	3,000	150.0
155.0	33.0	103.1	3,370	3,100	2,900	2,800	155.0



Liftcrane Boom Capacities

57,600 lb Crane Counterweight

14,300 lb Carbody Counterweight

Crawler Crane on a Barge

0 Degree through 3 Degree Crane List

Extended Position Crawlers

360 Degree Rating

8500-1

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	0 Degree Crane List	1 Degree Crane List	2 Degree Crane List	3 Degree Crane List	Load Radius (ft)
190 ft Boom							
32.0	81.6	193.6	29,540 *				32.0
34.0	81.0	193.3	28,880 *				34.0
36.0	80.4	193.0	28,430 *				36.0
38.0	79.8	192.6	27,990 *				38.0
40.0	79.2	192.2	27,550 *				40.0
45.0	77.6	191.2	26,450 *				45.0
50.0	76.1	190.0	25,300				50.0
55.0	74.5	188.7	22,110				55.0
60.0	72.9	187.2	19,510	16,800			60.0
65.0	71.3	185.6	17,350	15,600			65.0
70.0	69.7	183.8	15,540	14,200	11,700		70.0
75.0	68.1	181.8	13,990	12,800	11,100	8,100	75.0
80.0	66.5	179.7	12,650	11,600	10,600	7,900	80.0
85.0	64.8	177.4	11,500	10,700	9,900	7,700	85.0
90.0	63.2	175.0	10,470	9,600	9,000	7,300	90.0
95.0	61.4	172.3	9,560	8,800	8,200	6,900	95.0
100.0	59.7	169.5	8,770	8,200	7,600	6,600	100.0
105.0	57.9	166.4	8,040	7,500	7,000	6,300	105.0
110.0	56.1	163.2	7,400	6,900	6,500	5,800	110.0
115.0	54.3	159.7	6,810	6,300	5,900	5,400	115.0
120.0	52.4	155.9	6,280	5,800	5,400	5,000	120.0
125.0	50.5	151.9	5,750	5,200	5,000	4,600	125.0
130.0	48.5	147.6	5,260	4,800	4,600	4,200	130.0
135.0	46.4	143.0	4,800	4,400	4,200	3,800	135.0
140.0	44.3	138.0	4,400	3,900	3,700	3,500	140.0
145.0	42.1	132.7	4,010	3,600	3,500	3,200	145.0
150.0	39.8	126.9	3,680	3,300	3,100	2,900	150.0
155.0	37.4	120.6	3,350	3,000	2,900	2,600	155.0
160.0	34.8	113.6	3,040	2,700	2,600		160.0
165.0	32.0	106.0	2,770	2,500			165.0



Liftcrane Boom Capacities

57,600 lb Crane Counterweight
14,300 lb Carbody Counterweight
Crawler Crane on a Barge
0 Degree through 3 Degree Crane List
Extended Position Crawlers
360 Degree Rating

8500-1

Load Radius (ft)	Boom Angle (deg)	Boom Point Elev. (ft)	0 Degree Crane List	1 Degree Crane List	2 Degree Crane List	3 Degree Crane List	Load Radius (ft)
200 ft Boom							
34.0	81.4	203.4	25,790 *				34.0
36.0	80.9	203.1	25,350 *				36.0
38.0	80.3	202.8	24,910 *				38.0
40.0	79.7	202.4	24,470 *				40.0
45.0	78.2	201.4	23,360 *				45.0
50.0	76.8	200.3	22,480 *				50.0
55.0	75.3	199.0	21,380 *				55.0
60.0	73.8	197.6	19,310				60.0
65.0	72.3	196.1	17,150	14,100			65.0
70.0	70.8	194.4	15,320	13,200	10,200		70.0
75.0	69.3	192.6	13,770	12,400	9,600		75.0
80.0	67.7	190.6	12,430	11,300	9,100	6,800	80.0
85.0	66.2	188.4	11,260	10,400	8,600	6,600	85.0
90.0	64.6	186.1	10,250	9,400	8,100	6,200	90.0
95.0	63.0	183.6	9,340	8,600	7,600	5,900	95.0
100.0	61.4	181.0	8,530	7,900	7,100	5,500	100.0
105.0	59.7	178.1	7,820	7,300	6,600	5,100	105.0
110.0	58.1	175.1	7,160	6,600	6,000	4,900	110.0
115.0	56.3	171.9	6,560	6,000	5,600	4,500	115.0
120.0	54.6	168.4	5,970	5,400	5,000	4,200	120.0
125.0	52.8	164.7	5,440	5,000	4,500	3,800	125.0
130.0	51.0	160.7	4,960	4,600	4,100	3,600	130.0
135.0	49.1	156.5	4,510	4,100	3,700	3,200	135.0
140.0	47.2	152.0	4,100	3,700	3,400	2,900	140.0
145.0	45.2	147.2	3,700	3,300	3,000	2,600	145.0
150.0	43.1	142.0	3,350	2,900	2,800		150.0
155.0	41.0	136.4	3,040	2,700			155.0