



Liftcrane Boom Capacities

54,900 lb Crane Counterweight
14,700 lb Carbody Counterweight
Crawler Crane on a Barge
0 Degree through 3 Degree Crane List
Extended Position Crawlers
360 Degree Rating

8500 SERIES 3

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.
- Auxiliary sheave (upper boom point) capacity for liftcrane service with single part line is 17,000 lbs. In all cases, auxiliary sheave (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) Auxiliary sheave (upper point) cannot be attached on 200 ft. boom.	

- Front and rear load hoist drum wire rope: 7/8 inch, 6 x 25, FI, IWRC C/O, Minimum breaking strength: 79,586 lb. Front Drum: 869 feet, Rear Drum: 673 feet.
- Boom hoist wire rope: 492 feet, 5/8 inch, 6 x 31, WS, IWRC O/O, Minimum breaking strength: 41,234 lb.
- Machine equipped with 19 ft. 8 in. crawlers, 36 in. treads, 12 parts of boom hoist reeving, 54,900 lb crane counterweight and two 7,350 lb carbody counterweights.

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

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



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40 Ft. Boom							
10	81.7	45.2	170,000 *				10
11	80.3	45.1	170,000 *				11
12	78.8	44.9	166,600 *				12
13	77.4	44.6	154,600 *				13
14	75.9	44.4	144,200 *				14
15	74.4	44.1	135,100 *	135,100 *			15
16	72.9	43.8	127,100 *	127,100 *			16
17	71.4	43.4	119,900 *	119,900 *	105,100		17
18	69.9	43.1	113,400 *	113,400 *	100,200		18
19	68.3	42.7	105,820	98,900	93,300		19
20	66.7	42.2	97,500	92,100	86,400		20
22	63.6	41.3	84,190	80,100	75,700	71,700	22
24	60.3	40.2	74,000	70,800	67,300	64,700	24
26	56.9	38.9	65,980	63,300	60,500	58,100	26
28	53.4	37.5	59,480	57,200	55,000	53,000	28
30	49.7	35.8	54,100	52,300	50,400	48,700	30
32	45.7	33.9	49,580	48,100	46,500	45,100	32
34	41.5	31.8	45,740	44,500	43,200	42,100	34
36	36.9	29.2	42,460	41,400	40,300	39,400	36
50 Ft. Boom							
12	81.1	55.0	166,400 *				12
13	79.9	54.9	154,400 *				13
14	78.8	54.7	144,000 *				14
15	77.6	54.4	134,900 *				15
16	76.4	54.2	126,900 *				16
17	75.2	53.9	119,700 *				17
18	74.0	53.6	113,200 *	105,400			18
19	72.8	53.3	105,660	97,100			19
20	71.6	53.0	97,350	90,500			20
22	69.2	52.2	84,010	78,800	73,500		22
24	66.7	51.4	73,810	69,700	65,500		24
26	64.2	50.5	65,760	62,400	59,000	56,100	26
28	61.6	49.4	59,230	56,400	53,700	51,400	28
30	58.9	48.2	53,850	51,500	49,200	47,300	30
32	56.2	46.9	49,310	47,300	45,500	43,700	32
34	53.3	45.5	45,480	43,700	42,200	40,700	34
36	50.4	43.8	42,150	40,600	39,300	38,100	36
38	47.3	42.0	39,280	37,900	36,800	35,500	38
40	44.1	40.0	36,750	35,700	34,800	33,800	40



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60 Ft. Boom							
13	81.6	65.0	154,200 *				13
14	80.7	64.8	143,800 *				14
15	79.7	64.7	134,700 *				15
16	78.7	64.5	126,700 *				16
17	77.7	64.2	119,500 *				17
18	76.8	64.0	113,000 *				18
19	75.8	63.7	105,460				19
20	74.8	63.5	97,130	89,000			20
22	72.8	62.9	83,790	77,500			22
24	70.8	62.2	73,560	68,500	63,600		24
26	68.7	61.4	65,490	61,400	57,900	51,000	26
28	66.6	60.6	58,970	55,600	52,700	49,100	28
30	64.5	59.6	53,570	50,700	48,200	45,800	30
32	62.4	58.6	49,030	46,600	44,500	42,500	32
34	60.2	57.5	45,170	43,100	41,000	39,400	34
36	58.0	56.3	41,840	40,000	38,400	36,900	36
38	55.7	54.9	38,950	37,300	35,800	34,700	38
40	53.3	53.5	36,410	35,000	33,900	32,700	40
45	47.0	49.2	31,230	30,200	29,300	28,500	45
50	40.0	43.8	27,290	26,400	25,900	25,300	50
70 Ft. Boom							
14	82.0	75.0	143,600 *				14
15	81.2	74.8	134,500 *				15
16	80.3	74.6	126,500 *				16
17	79.5	74.5	119,300 *				17
18	78.7	74.2	112,800 *				18
19	77.8	74.0	105,400				19
20	77.0	73.8	97,060				20
22	75.3	73.3	83,700				22
24	73.6	72.7	73,470	67,700			24
26	71.9	72.1	65,380	60,600			26
28	70.1	71.4	58,840	54,900	51,600		28
30	68.4	70.6	53,430	50,200	47,300	42,400	30
32	66.6	69.7	48,890	46,100	43,700	40,900	32
34	64.8	68.8	45,030	42,500	40,500	38,400	34
36	63.0	67.8	41,680	39,500	37,700	35,900	36
38	61.1	66.7	38,800	36,900	35,000	33,900	38
40	59.2	65.5	36,240	34,800	33,300	31,900	40
45	54.3	62.2	31,040	29,900	28,800	27,700	45
50	49.0	58.2	27,070	26,100	25,300	24,600	50
55	43.3	53.3	23,960	23,100	22,500	21,900	55
60	36.9	47.2	21,450	20,800	20,300	19,800	60

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80 Ft. Boom							
16	81.6	84.8	126,300 *				16
17	80.8	84.6	119,100 *				17
18	80.1	84.4	112,600 *				18
19	79.4	84.2	105,290				19
20	78.6	84.0	96,930				20
22	77.2	83.6	83,550				22
24	75.7	83.1	73,320				24
26	74.2	82.5	65,230	60,000			26
28	72.7	81.9	58,680	54,200			28
30	71.2	81.3	53,260	49,500			30
32	69.7	80.5	48,690	45,500	42,800		32
34	68.1	79.7	44,840	42,000	39,700	35,800	34
36	66.6	78.9	41,490	39,000	36,900	34,500	36
38	65.0	78.0	38,580	36,500	34,600	32,700	38
40	63.4	77.0	36,020	34,300	32,600	30,900	40
45	59.3	74.2	30,820	29,500	28,200	27,000	45
50	55.0	70.9	26,820	25,700	24,700	23,800	50
55	50.5	67.1	23,670	22,800	22,000	21,300	55
60	45.6	62.5	21,140	20,400	19,900	19,200	60
65	40.3	57.0	19,060	18,400	18,000	17,500	65
90 Ft. Boom							
17	81.9	94.7	118,820 *				17
18	81.2	94.6	112,400 *				18
19	80.6	94.4	105,220				19
20	79.9	94.2	96,870				20
22	78.6	93.8	83,480				22
24	77.3	93.4	73,230				24
26	76.0	92.9	65,140				26
28	74.7	92.4	58,570	53,700			28
30	73.4	91.8	53,150	49,000			30
32	72.0	91.1	48,580	45,000	41,700		32
34	70.7	90.5	44,700	41,700	38,900		34
36	69.3	89.7	41,380	38,700	36,300		36
38	68.0	88.9	38,440	36,100	34,200		38
40	66.6	88.1	35,890	34,000	32,100	29,900	40
45	63.0	85.7	30,660	29,300	27,700	26,400	45
50	59.4	82.9	26,670	25,500	24,300	23,400	50
55	55.6	79.6	23,520	22,500	21,600	20,800	55
60	51.6	75.9	20,960	20,100	19,400	18,700	60
65	47.4	71.6	18,870	18,100	17,600	17,000	65
70	42.9	66.5	17,100	16,400	16,000	15,600	70
75	37.9	60.5	15,630	15,100	14,800	14,400	75



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100 Ft. Boom							
19	81.5	104.6	101,850 *				19
20	80.9	104.4	96,800				20
22	79.8	104.0	83,400				22
24	78.6	103.6	73,120				24
26	77.4	103.2	65,010				26
28	76.3	102.7	58,440				28
30	75.1	102.2	53,020				30
32	73.9	101.6	48,450	44,500			32
34	72.7	101.0	44,550	41,100			34
36	71.5	100.4	41,200	38,200	35,700		36
38	70.3	99.6	38,290	35,600	33,700		38
40	69.0	98.9	35,730	33,500	31,600		40
45	65.9	96.8	30,480	28,900	27,300	25,800	45
50	62.7	94.3	26,470	25,100	24,000	22,800	50
55	59.5	91.5	23,320	22,200	21,200	20,200	55
60	56.1	88.3	20,740	19,800	19,100	18,200	60
65	52.5	84.7	18,620	17,800	17,200	16,500	65
70	48.8	80.5	16,860	16,200	15,600	15,000	70
75	44.8	75.8	15,360	14,800	14,300	13,900	75
80	40.6	70.3	14,080	13,600	13,100	12,900	80
85	35.9	63.8	12,980	12,600	12,200	12,000	85

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110 Ft. Boom							
20	81.8	114.5	92,590 *				20
22	80.7	114.2	83,260				22
24	79.7	113.8	73,010				24
26	78.6	113.4	64,900				26
28	77.5	113.0	58,330				28
30	76.5	112.5	52,880				30
32	75.4	112.0	48,320				32
34	74.3	111.5	44,440	40,600			34
36	73.2	110.9	41,090	37,800			36
38	72.1	110.2	38,160	35,300			38
40	71.0	109.5	35,600	33,200			40
45	68.2	107.7	30,350	28,500			45
50	65.4	105.5	26,340	24,900	23,500	22,100	50
55	62.5	103.0	23,170	21,900	20,800	19,900	55
60	59.5	100.2	20,610	19,600	18,700	17,800	60
65	56.4	97.0	18,490	17,700	16,900	16,100	65
70	53.2	93.4	16,710	16,000	15,300	14,800	70
75	49.9	89.4	15,210	14,500	13,900	13,500	75
80	46.4	84.9	13,910	13,300	12,900	12,500	80
85	42.6	79.7	12,800	12,300	11,900	11,600	85
90	38.6	73.8	11,830	11,400	11,000	10,800	90
95	34.2	67.0	10,970	10,600	10,300	10,100	95



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120 Ft. Boom							
22	81.5	124.3	80,680 *				22
24	80.5	124.0	72,950				24
26	79.6	123.6	64,810				26
28	78.6	123.2	58,240				28
30	77.6	122.8	52,800				30
32	76.6	122.3	48,230				32
34	75.6	121.8	44,330				34
36	74.7	121.3	40,980	37,600			36
38	73.7	120.7	38,050	35,100			38
40	72.7	120.1	35,470	33,000			40
45	70.1	118.4	30,220	28,300	26,200		45
50	67.6	116.4	26,210	24,600	23,100		50
55	65.0	114.2	23,010	21,600	20,500	19,400	55
60	62.3	111.7	20,450	19,300	18,300	17,400	60
65	59.5	108.9	18,320	17,400	16,500	15,700	65
70	56.7	105.7	16,530	15,700	14,900	14,400	70
75	53.8	102.2	15,010	14,300	13,700	13,200	75
80	50.8	98.3	13,710	13,000	12,700	12,100	80
85	47.6	93.9	12,580	12,000	11,600	11,200	85
90	44.3	89.0	11,590	11,100	10,700	10,400	90
95	40.7	83.5	10,730	10,300	9,900	9,600	95
100	36.9	77.2	9,960	9,500	9,300	8,900	100
105	32.7	69.9	9,280	8,800	8,700	8,500	105

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130 Ft. Boom							
24	81.3	134.1	71,200 *				24
26	80.4	133.8	64,610				26
28	79.5	133.4	58,020				28
30	78.6	133.0	52,570				30
32	77.7	132.6	48,010				32
34	76.8	132.1	44,110				34
36	75.9	131.6	40,760				36
38	74.9	131.1	37,830	34,600			38
40	74.0	130.5	35,250	32,500			40
45	71.7	129.0	30,000	27,800			45
50	69.4	127.2	25,970	24,200	22,600		50
55	67.0	125.2	22,790	21,300	20,100		55
60	64.6	122.9	20,210	19,000	17,900	16,800	60
65	62.1	120.3	18,070	17,100	16,100	15,400	65
70	59.6	117.5	16,290	15,400	14,600	14,000	70
75	57.0	114.4	14,770	14,000	13,200	12,800	75
80	54.3	110.9	13,470	12,800	12,100	11,700	80
85	51.5	107.1	12,320	11,700	11,200	10,700	85
90	48.6	102.9	11,330	10,700	10,400	10,000	90
95	45.6	98.2	10,440	9,900	9,700	9,200	95
100	42.4	93.0	9,670	9,200	8,900	8,600	100
105	39.0	87.1	8,990	8,600	8,300	8,000	105
110	35.4	80.5	8,390	8,000	7,800	7,500	110



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140 Ft. Boom							
24	81.9	144.3	61,720 *				24
26	81.1	143.9	60,840				26
28	80.2	143.6	57,980				28
30	79.4	143.2	52,530				30
32	78.6	142.8	47,950				32
34	77.7	142.4	44,040				34
36	76.9	141.9	40,670				36
38	76.0	141.5	37,740				38
40	75.2	140.9	35,160				40
45	73.1	139.5	29,910				45
50	70.9	137.8	25,880	24,100	22,300		50
55	68.7	136.0	22,680	21,200	19,700		55
60	66.5	133.9	20,100	18,800	17,700	15,700	60
65	64.3	131.6	17,960	16,800	15,800	14,900	65
70	62.0	129.0	16,150	15,100	14,400	13,600	70
75	59.6	126.2	14,630	13,700	13,100	12,400	75
80	57.2	123.1	13,310	12,500	12,000	11,400	80
85	54.7	119.7	12,160	11,500	11,000	10,600	85
90	52.2	115.9	11,170	10,600	10,100	9,700	90
95	49.5	111.8	10,290	9,800	9,400	8,900	95
100	46.8	107.3	9,500	9,000	8,700	8,300	100
105	43.9	102.3	8,790	8,300	8,100	7,700	105
110	40.8	96.7	8,170	7,700	7,500	7,200	110
115	37.6	90.5	7,620	7,200	7,000	6,800	115
120	34.0	83.5	7,120	6,700	6,500	6,400	120

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150 Ft. Boom							
26	81.7	154.1	52,680 *				26
28	80.9	153.7	51,800 *				28
30	80.1	153.4	51,140 *				30
32	79.3	153.0	47,810				32
34	78.6	152.6	43,890				34
36	77.8	152.2	40,540				36
38	77.0	151.7	37,610				38
40	76.2	151.3	35,030				40
45	74.2	149.9	29,760				45
50	72.2	148.4	25,720	23,700			50
55	70.2	146.7	22,530	20,900	19,200		55
60	68.2	144.7	19,950	18,600	17,400		60
65	66.1	142.6	17,810	16,600	15,600	13,700	65
70	64.0	140.3	16,000	15,000	14,100	13,100	70
75	61.8	137.7	14,480	13,700	12,800	12,100	75
80	59.6	134.8	13,160	12,300	11,700	11,100	80
85	57.4	131.7	12,010	11,300	10,600	10,200	85
90	55.1	128.4	11,000	10,400	9,800	9,400	90
95	52.7	124.7	10,110	9,500	9,100	8,600	95
100	50.3	120.7	9,320	8,700	8,400	8,000	100
105	47.7	116.3	8,640	8,100	7,800	7,600	105
110	45.1	111.5	8,000	7,500	7,200	7,000	110
115	42.3	106.2	7,420	7,100	6,700	6,500	115
120	39.4	100.4	6,920	6,600	6,300	6,100	120
125	36.2	93.9	6,450	6,100	5,800	5,700	125
130	32.8	86.5	6,040	5,800	5,600	5,300	130



Liftcrane Boom Capacities

54,900 lb Crane Counterweight
14,700 lb Carbody Counterweight
Crawler Crane on a Barge
0 Degree through 3 Degree Crane List
Extended Position Crawlers
360 Degree Rating

8500 SERIES 3

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	81.5	163.9	44,090 *				28
30	80.7	163.6	43,430 *				30
32	80.0	163.2	42,760 *				32
34	79.3	162.8	42,100 *				34
36	78.6	162.4	40,520				36
38	77.8	162.0	37,560				38
40	77.1	161.5	34,980				40
45	75.2	160.3	29,710				45
50	73.4	158.9	25,680				50
55	71.5	157.3	22,480	20,800			55
60	69.6	155.5	19,880	18,400	17,100		60
65	67.7	153.5	17,720	16,400	15,400		65
70	65.7	151.3	15,930	14,800	14,000	12,000	70
75	63.7	148.9	14,390	13,400	12,700	11,600	75
80	61.7	146.3	13,070	12,200	11,500	10,900	80
85	59.7	143.5	11,920	11,100	10,500	9,900	85
90	57.6	140.4	10,910	10,100	9,700	9,200	90
95	55.4	137.1	10,000	9,300	8,800	8,500	95
100	53.2	133.4	9,210	8,700	8,200	7,900	100
105	50.9	129.5	8,500	8,000	7,500	7,200	105
110	48.6	125.2	7,870	7,400	7,100	6,700	110
115	46.1	120.6	7,290	6,800	6,500	6,300	115
120	43.6	115.5	6,760	6,400	6,000	5,800	120
125	40.9	110.0	6,280	6,000	5,600	5,400	125
130	38.1	103.9	5,860	5,500	5,300	5,000	130
135	35.0	97.0	5,440	5,100	5,000	4,600	135
140	31.8	89.4	5,070	4,700	4,500	4,400	140

Manitowoc Cranes

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

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 Crawler Crane on a Barge
 0 Degree through 3 Degree Crane List
 Extended Position Crawlers
 360 Degree Rating

8500 SERIES 3

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	82.0	174.0	38,800 *				28
30	81.3	173.7	38,130 *				30
32	80.6	173.4	37,470 *				32
34	79.9	173.0	37,030 *				34
36	79.2	172.6	36,370 *				36
38	78.6	172.2	35,710 *				38
40	77.9	171.8	34,780				40
45	76.1	170.6	29,510				45
50	74.4	169.3	25,460				50
55	72.6	167.8	22,260	20,500			55
60	70.8	166.1	19,660	18,100	15,700		60
65	69.1	164.3	17,520	16,100	15,000		65
70	67.2	162.2	15,710	14,500	13,700		70
75	65.4	160.0	14,170	13,100	12,400	10,400	75
80	63.5	157.6	12,850	11,900	11,200	10,200	80
85	61.6	155.0	11,680	10,800	10,300	9,600	85
90	59.7	152.2	10,670	9,900	9,400	8,900	90
95	57.7	149.1	9,780	9,100	8,600	8,200	95
100	55.7	145.8	8,990	8,400	7,900	7,600	100
105	53.6	142.2	8,260	7,800	7,200	6,900	105
110	51.5	138.3	7,620	7,100	6,800	6,400	110
115	49.3	134.2	7,050	6,600	6,200	6,000	115
120	47.0	129.7	6,520	6,100	5,700	5,600	120
125	44.7	124.8	6,040	5,600	5,300	5,100	125
130	42.2	119.4	5,570	5,200	4,900	4,700	130
135	39.6	113.6	5,150	4,800	4,500	4,300	135
140	36.9	107.2	4,760	4,400	4,200	3,900	140
145	34.0	100.1	4,380	4,100	3,800	3,700	145
150	30.8	92.2	4,050	3,800	3,500	3,500	150



Liftcrane Boom Capacities

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Crawler Crane on a Barge
0 Degree through 3 Degree Crane List
Extended Position Crawlers
360 Degree Rating

8500 SERIES 3

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	81.8	183.8	33,730 *				30
32	81.1	183.5	33,060 *				32
34	80.5	183.2	32,620 *				34
36	79.8	182.8	31,960 *				36
38	79.2	182.4	31,520 *				38
40	78.5	182.0	31,080 *				40
45	76.9	180.9	29,250				45
50	75.3	179.7	25,220				50
55	73.6	178.3	22,000				55
60	72.0	176.7	19,400	17,800			60
65	70.3	175.0	17,260	15,900	13,700		65
70	68.6	173.1	15,450	14,300	13,100		70
75	66.8	171.0	13,910	12,800	11,900	9,300	75
80	65.1	168.7	12,560	11,700	10,800	9,000	80
85	63.3	166.3	11,410	10,600	10,000	8,800	85
90	61.5	163.7	10,400	9,600	9,100	8,500	90
95	59.7	160.8	9,500	8,800	8,300	7,800	95
100	57.8	157.8	8,700	8,100	7,600	7,200	100
105	55.9	154.5	8,000	7,300	7,000	6,600	105
110	54.0	150.9	7,340	6,800	6,400	6,100	110
115	52.0	147.1	6,760	6,200	5,900	5,600	115
120	49.9	143.0	6,230	5,700	5,500	5,100	120
125	47.8	138.6	5,700	5,300	4,800	4,600	125
130	45.6	133.9	5,220	4,800	4,600	4,200	130
135	43.3	128.8	4,780	4,400	4,200	3,900	135
140	40.9	123.2	4,380	4,000	3,800	3,600	140
145	38.4	117.1	4,030	3,600	3,500	3,200	145
150	35.8	110.5	3,680	3,400	3,200	3,000	150
155	33.0	103.1	3,370	3,100	2,900	2,800	155

Manitowoc Cranes

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Liftcrane Boom Capacities

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 0 Degree through 3 Degree Crane List
 Extended Position Crawlers
 360 Degree Rating

8500 SERIES 3

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	81.6	193.6	29,540 *				32
34	81.0	193.3	28,880 *				34
36	80.4	193.0	28,430 *				36
38	79.8	192.6	27,990 *				38
40	79.2	192.2	27,550 *				40
45	77.6	191.2	26,450 *				45
50	76.1	190.0	25,300				50
55	74.5	188.7	22,110				55
60	72.9	187.2	19,510	16,800			60
65	71.3	185.6	17,350	15,600			65
70	69.7	183.8	15,540	14,200	11,700		70
75	68.1	181.8	13,990	12,800	11,100	8,100	75
80	66.5	179.7	12,650	11,600	10,600	7,900	80
85	64.8	177.4	11,500	10,700	9,900	7,700	85
90	63.2	175.0	10,470	9,600	9,000	7,300	90
95	61.4	172.3	9,560	8,800	8,200	6,900	95
100	59.7	169.5	8,770	8,200	7,600	6,600	100
105	57.9	166.4	8,040	7,500	7,000	6,300	105
110	56.1	163.2	7,400	6,900	6,500	5,800	110
115	54.3	159.7	6,810	6,300	5,900	5,400	115
120	52.4	155.9	6,280	5,800	5,400	5,000	120
125	50.5	151.9	5,750	5,200	5,000	4,600	125
130	48.5	147.6	5,260	4,800	4,600	4,200	130
135	46.4	143.0	4,800	4,400	4,200	3,800	135
140	44.3	138.0	4,400	3,900	3,700	3,500	140
145	42.1	132.7	4,010	3,600	3,500	3,200	145
150	39.8	126.9	3,680	3,300	3,100	2,900	150
155	37.4	120.6	3,350	3,000	2,900	2,600	155
160	34.8	113.6	3,040	2,700	2,600		160
165	32.0	106.0	2,770	2,500			165



Liftcrane Boom Capacities

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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)
200 Ft. Boom							
34	81.4	203.4	25,790 *				34
36	80.9	203.1	25,350 *				36
38	80.3	202.8	24,910 *				38
40	79.7	202.4	24,470 *				40
45	78.2	201.4	23,360 *				45
50	76.8	200.3	22,480 *				50
55	75.3	199.0	21,380 *				55
60	73.8	197.6	19,310				60
65	72.3	196.1	17,150	14,100			65
70	70.8	194.4	15,320	13,200	10,200		70
75	69.3	192.6	13,770	12,400	9,600		75
80	67.7	190.6	12,430	11,300	9,100	6,800	80
85	66.2	188.4	11,260	10,400	8,600	6,600	85
90	64.6	186.1	10,250	9,400	8,100	6,200	90
95	63.0	183.6	9,340	8,600	7,600	5,900	95
100	61.4	181.0	8,530	7,900	7,100	5,500	100
105	59.7	178.1	7,820	7,300	6,600	5,100	105
110	58.1	175.1	7,160	6,600	6,000	4,900	110
115	56.3	171.9	6,560	6,000	5,600	4,500	115
120	54.6	168.4	5,970	5,400	5,000	4,200	120
125	52.8	164.7	5,440	5,000	4,500	3,800	125
130	51.0	160.7	4,960	4,600	4,100	3,600	130
135	49.1	156.5	4,510	4,100	3,700	3,200	135
140	47.2	152.0	4,100	3,700	3,400	2,900	140
145	45.2	147.2	3,700	3,300	3,000	2,600	145
150	43.1	142.0	3,350	2,900	2,800		150
155	41.0	136.4	3,040	2,700			155