



Liftcrane Boom Capacities

76,300 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

12000-1

LIFTING CAPACITIES:

1. 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).
2. 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.
3. Attempting to lift more than rated loads may cause machine to tip or collapse. Do not tip machine to determine capacity.
4. Do not attempt to lift where no radius on load chart is listed as crane may tip or collapse.
5. 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.
6. 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.
7. Least stable position is over the side.
8. Boom point elevation is vertical distance from barge deck to centerline of boom point shaft.
9. In all cases, upper boom point capacities cannot exceed those listed for Liftcrane Boom capacity reduced by 700 lb.
10. 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.
11. Machine travel with load (pick and carry) is not permitted.
12. Jib installation is prohibited when crane is on a barge.

OPERATING CONDITION:

1. 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
230 ft (a)
Load block, hook and weight ball on barge deck at start. (a) Upper boom point cannot be attached on 230 ft boom.

2. See Operator Manual Section 6 for Wire Rope Specifications.
3. Machine equipped with 22 ft 3 in crawlers, 36 in treads, 10 parts of boom hoist reeving. 76,300 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)	25,000	50,000	75,000	100,000	125,000

No. of Parts of Line	6	7	8	9	10
Maximum Loads (lb)	150,000	175,000	200,000	225,000	240,000

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

Hoist Reeving for Upper Boom Point

No. of Parts of Line	1	2
Maximum Loads (lb)	25,000	50,000

Manitowoc Cranes

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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)
50 ft Boom							
12	81.4	56.5	240,000 *				12
13	80.2	56.3	220,000 *				13
14	79.0	56.1	206,000 *				14
15	77.9	55.9	191,000 *	191,000 *			15
16	76.7	55.7	177,000 *	177,000 *			16
17	75.5	55.4	163,000 *	163,000 *			17
18	74.3	55.1	150,000 *	150,000 *	138,800		18
19	73.1	54.8	142,100 *	142,100 *	133,700		19
20	71.9	54.5	135,000 *	135,000 *	128,700		20
22	69.5	53.7	122,800 *	120,600	113,200	104,500	22
24	67.0	52.9	111,900	106,400	100,700	95,900	24
26	64.4	51.9	99,600	95,100	90,600	86,900	26
28	61.8	50.9	89,500	85,800	82,200	79,200	28
30	59.2	49.7	81,100	78,200	75,300	72,800	30
32	56.4	48.4	74,200	71,800	69,300	67,300	32
34	53.6	46.9	68,300	66,300	64,300	62,500	34
36	50.7	45.3	63,200	61,500	59,800	58,400	36
38	47.6	43.5	58,800	57,500	56,100	54,800	38
60 ft Boom							
13.5	81.4	66.4	210,000 *				13.5
14	80.9	66.3	204,000 *				14
15	79.9	66.1	190,000 *				15
16	78.9	65.9	177,000 *	168,100 *			16
17	78.0	65.7	163,000 *	163,000 *			17
18	77.0	65.5	150,000 *	150,000 *			18
19	76.0	65.2	142,100 *	142,100 *			19
20	75.0	64.9	135,000 *	135,000 *			20
22	73.0	64.3	122,700 *	118,800	106,200		22
24	71.0	63.7	111,700	104,800	98,100	84,700	24
26	69.0	62.9	99,200	93,800	88,900	82,100	26
28	66.9	62.0	89,200	84,700	80,700	76,700	28
30	64.8	61.1	80,900	77,100	73,800	70,600	30
32	62.6	60.1	73,800	70,800	68,100	65,400	32
34	60.4	59.0	68,100	65,500	63,200	60,900	34
36	58.2	57.7	63,000	60,900	58,700	56,800	36
38	55.9	56.4	58,600	56,700	54,800	53,300	38
40	53.5	54.9	54,600	53,100	51,500	50,200	40
45	47.2	50.7	46,700	45,800	44,600	43,600	45



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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)
70 ft Boom							
15	81.4	76.3	190,000 *				15
16	80.5	76.1	177,000 *				16
17	79.7	75.9	163,000 *				17
18	78.9	75.7	150,000 *	142,900			18
19	78.0	75.5	142,100 *	137,800			19
20	77.2	75.3	135,000 *	132,600			20
22	75.5	74.8	122,700 *	117,400			22
24	73.8	74.2	111,700	103,600	90,900		24
26	72.1	73.5	99,200	92,700	86,200		26
28	70.3	72.8	89,000	83,700	79,100	70,200	28
30	68.6	72.1	80,600	76,400	72,500	68,200	30
32	66.8	71.2	73,800	70,100	66,800	63,700	32
34	65.0	70.3	67,900	64,800	62,000	59,300	34
36	63.2	69.3	62,800	60,100	57,700	55,300	36
38	61.3	68.2	58,400	56,000	54,000	52,000	38
40	59.4	67.0	54,400	52,500	50,700	48,600	40
45	54.5	63.7	46,500	45,100	43,700	42,500	45
50	49.2	59.6	40,500	39,700	38,700	37,800	50
55	43.5	54.8	35,900	35,200	34,500	33,900	55
80 ft Boom							
16.5	81.4	86.2	171,000 *				16.5
17	81.0	86.1	163,000 *				17
18	80.3	85.9	150,000 *				18
19	79.6	85.7	142,100 *				19
20	78.8	85.5	135,000 *				20
22	77.4	85.1	122,400 *	114,700			22
24	75.9	84.6	111,500	102,300			24
26	74.4	84.0	98,900	91,500			26
28	72.9	83.4	88,800	82,700	76,200		28
30	71.4	82.7	80,400	75,400	70,800	60,400	30
32	69.9	82.0	73,400	69,100	65,400	59,300	32
34	68.3	81.2	67,400	63,800	60,600	57,200	34
36	66.8	80.4	62,300	59,300	56,500	54,000	36
38	65.2	79.5	57,900	55,400	52,900	50,700	38
40	63.6	78.5	54,200	51,800	49,600	47,600	40
45	59.5	75.7	46,200	44,600	43,000	41,600	45
50	55.2	72.4	40,100	39,100	37,900	36,800	50
55	50.7	68.5	35,400	34,700	33,800	32,900	55
60	45.8	64.0	31,700	31,100	30,400	29,800	60
65	40.5	58.5	28,600	28,100	27,600	27,100	65

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90 ft Boom							
18	81.4	96.1	150,000 *				18
19	80.7	95.9	140,000 *				19
20	80.1	95.7	135,000 *				20
22	78.8	95.3	122,400 *				22
24	77.5	94.9	111,500	100,600			24
26	76.2	94.4	98,900	90,600			26
28	74.8	93.9	88,800	82,000	68,800		28
30	73.5	93.3	80,400	74,700	67,800		30
32	72.2	92.6	73,400	68,600	64,400		32
34	70.8	91.9	67,400	63,400	59,800	51,700	34
36	69.5	91.2	62,300	58,900	55,700	51,100	36
38	68.1	90.4	57,900	54,800	52,100	49,500	38
40	66.7	89.5	54,000	51,400	48,600	46,900	40
45	63.2	87.1	46,000	44,300	42,300	40,700	45
50	59.5	84.3	40,100	38,800	37,400	36,100	50
55	55.8	81.1	35,400	34,400	33,300	32,200	55
60	51.8	77.4	31,500	30,700	29,900	29,100	60
65	47.6	73.0	28,400	27,800	27,100	26,500	65
70	43.0	68.0	25,700	25,300	24,800	24,300	70
100 ft Boom							
19.5	81.4	106.0	137,500 *				19.5
20	81.1	105.9	135,000 *				20
22	79.9	105.5	122,200 *				22
24	78.8	105.1	111,300				24
26	77.6	104.7	98,700	89,300			26
28	76.4	104.2	88,600	81,000			28
30	75.2	103.7	80,200	73,800			30
32	74.0	103.1	73,100	67,800	60,100		32
34	72.8	102.5	67,200	62,700	58,200		34
36	71.6	101.8	62,100	58,200	54,700	45,500	36
38	70.4	101.1	57,700	54,200	51,300	45,100	38
40	69.2	100.4	53,700	50,900	48,200	44,700	40
45	66.1	98.3	45,800	43,700	41,700	39,900	45
50	62.9	95.8	39,900	38,300	36,700	35,100	50
55	59.6	93.0	35,000	33,800	32,700	31,500	55
60	56.2	89.8	31,300	30,300	29,200	28,300	60
65	52.6	86.2	27,900	27,200	26,400	25,700	65
70	48.9	82.0	25,300	24,700	24,100	23,500	70
75	45.0	77.2	23,100	22,600	22,100	21,600	75
80	40.7	71.8	21,100	20,800	20,400	20,000	80



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110 ft Boom							
20.9	81.4	115.9	128,600 *				20.9
22	80.8	115.7	122,000 *				22
24	79.8	115.3	111,300				24
26	78.7	114.9	98,500				26
28	77.7	114.5	88,400	80,000			28
30	76.6	114.0	80,000	73,000			30
32	75.5	113.5	72,900	67,100			32
34	74.4	112.9	67,000	62,000	53,300		34
36	73.3	112.3	61,900	57,600	52,700		36
38	72.3	111.7	57,500	53,600	50,400		38
40	71.2	111.0	53,500	50,300	47,400	39,900	40
45	68.4	109.1	45,600	43,200	41,000	38,300	45
50	65.5	107.0	39,600	37,800	36,100	34,500	50
55	62.6	104.5	34,800	33,500	32,100	30,900	55
60	59.6	101.7	31,000	29,900	28,700	27,700	60
65	56.5	98.5	27,700	26,900	26,000	25,100	65
70	53.3	94.9	25,100	24,400	23,700	23,000	70
75	50.0	90.9	22,900	22,300	21,700	21,100	75
80	46.5	86.4	20,900	20,400	19,900	19,400	80
85	42.7	81.2	19,100	18,800	18,400	18,100	85
120 ft Boom							
22.4	81.4	125.7	121,000 *				22.4
24	80.6	125.5	111,100				24
26	79.7	125.1	98,500				26
28	78.7	124.7	88,400				28
30	77.7	124.3	80,000	72,100			30
32	76.7	123.8	72,900	66,800			32
34	75.8	123.3	67,000	61,700			34
36	74.8	122.8	61,900	57,300	48,000		36
38	73.8	122.2	57,500	53,400	47,500		38
40	72.8	121.6	53,500	49,900	46,300		40
45	70.3	119.9	45,600	43,000	40,500	35,300	45
50	67.7	117.9	39,400	37,600	35,700	33,000	50
55	65.1	115.7	34,800	33,300	31,700	30,300	55
60	62.4	113.1	30,800	29,600	28,400	27,300	60
65	59.7	110.3	27,700	26,700	25,700	24,800	65
70	56.8	107.2	25,100	24,200	23,300	22,500	70
75	53.9	103.7	22,700	22,000	21,300	20,700	75
80	50.9	99.8	20,700	20,200	19,600	19,100	80
85	47.7	95.4	19,100	18,600	18,100	17,700	85
90	44.4	90.5	17,600	17,200	16,800	16,400	90
95	40.8	85.0	16,300	16,000	15,600	15,300	95

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130 ft Boom							
23.9	81.4	135.6	100,000 *				23.9
24	81.4	135.6	100,000 *				24
26	80.5	135.3	98,300				26
28	79.6	134.9	88,100				28
30	78.7	134.5	79,800				30
32	77.8	134.1	72,700	65,500			32
34	76.9	133.6	66,700	61,100			34
36	76.0	133.1	61,700	56,700			36
38	75.1	132.6	57,300	52,800			38
40	74.1	132.0	53,300	49,500	42,400		40
45	71.8	130.5	45,400	42,500	40,000		45
50	69.5	128.7	39,400	37,300	35,100	31,000	50
55	67.1	126.6	34,600	32,900	31,100	29,500	55
60	64.7	124.4	30,600	29,300	28,000	26,800	60
65	62.2	121.8	27,500	26,400	25,300	24,300	65
70	59.7	119.0	24,900	23,900	22,900	22,100	70
75	57.1	115.9	22,400	21,700	20,900	20,200	75
80	54.4	112.4	20,500	19,900	19,300	18,700	80
85	51.6	108.6	18,900	18,300	17,800	17,300	85
90	48.8	104.4	17,400	16,900	16,400	16,000	90
95	45.7	99.7	16,000	15,600	15,200	14,700	95
100	42.5	94.5	14,700	14,500	14,200	13,900	100
105	39.1	88.6	13,800	13,600	13,300	13,100	105



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140 ft Boom							
25.4	81.4	145.5	100,000 *				25.4
26	81.2	145.4	98,100				26
28	80.3	145.1	87,900				28
30	79.5	144.7	79,500				30
32	78.7	144.3	72,500				32
34	77.8	143.9	66,500	60,000			34
36	77.0	143.4	61,500	56,100			36
38	76.1	142.9	57,000	52,300			38
40	75.3	142.4	53,100	48,900			40
45	73.2	141.0	45,100	42,100	37,700		45
50	71.0	139.3	39,000	36,800	34,500		50
55	68.8	137.4	34,300	32,500	30,600	27,500	55
60	66.6	135.4	30,400	28,900	27,300	26,000	60
65	64.4	133.0	27,100	25,900	24,700	23,600	65
70	62.1	130.5	24,400	23,500	22,500	21,600	70
75	59.7	127.7	22,200	21,400	20,500	19,700	75
80	57.3	124.5	20,200	19,500	18,700	18,100	80
85	54.8	121.1	18,500	17,800	17,200	16,700	85
90	52.3	117.4	16,900	16,400	15,900	15,400	90
95	49.6	113.3	15,600	15,200	14,800	14,400	95
100	46.9	108.8	14,500	14,100	13,700	13,300	100
105	44.0	103.8	13,400	13,100	12,800	12,500	105
110	40.9	98.2	12,500	12,200	11,900	11,700	110
115	37.7	92.0	11,600	11,400	11,200	11,000	115

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150 ft Boom							
26.9	81.4	155.4	92,800				26.9
28	81.0	155.2	87,700				28
30	80.2	154.9	79,300				30
32	79.4	154.5	72,300				32
34	78.7	154.1	66,300				34
36	77.9	153.7	61,000	54,600			36
38	77.1	153.2	56,600	51,500			38
40	76.3	152.7	52,600	48,300			40
45	74.3	151.4	44,700	41,400	34,300		45
50	72.3	149.9	38,800	36,200	33,000		50
55	70.3	148.1	33,900	31,900	29,900		55
60	68.3	146.2	29,900	28,400	26,900	24,300	60
65	66.2	144.1	26,800	25,500	24,200	22,900	65
70	64.1	141.7	24,200	23,000	21,800	20,900	70
75	61.9	139.1	21,800	20,800	19,900	19,100	75
80	59.7	136.3	19,800	19,000	18,100	17,500	80
85	57.5	133.2	18,000	17,400	16,800	16,200	85
90	55.2	129.8	16,700	16,100	15,500	15,000	90
95	52.8	126.2	15,400	14,800	14,200	13,900	95
100	50.4	122.2	14,100	13,700	13,300	12,900	100
105	47.8	117.8	13,200	12,700	12,300	11,900	105
110	45.2	113.0	12,100	11,700	11,400	11,100	110
115	42.4	107.7	11,200	11,000	10,700	10,500	115
120	39.5	101.8	10,500	10,300	10,100	9,900	120



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160 ft Boom							
28.4	81.4	165.3	75,000				28.4
30	80.8	165.0	75,000				30
32	80.1	164.7	72,300				32
34	79.4	164.3	66,300				34
36	78.6	163.9	61,200				36
38	77.9	163.5	56,800	50,100			38
40	77.2	163.0	52,900	48,000			40
45	75.3	161.8	44,900	41,200			45
50	73.5	160.3	38,800	36,100	30,500		50
55	71.6	158.7	33,900	31,900	29,400		55
60	69.7	157.0	30,200	28,400	26,700	22,200	60
65	67.8	155.0	26,800	25,400	24,100	21,700	65
70	65.8	152.8	24,200	22,900	21,700	20,600	70
75	63.8	150.4	21,800	20,800	19,800	19,000	75
80	61.8	147.8	19,800	19,000	18,200	17,500	80
85	59.7	145.0	18,200	17,500	16,700	16,100	85
90	57.6	141.9	16,700	16,100	15,400	14,800	90
95	55.5	138.6	15,400	14,800	14,100	13,700	95
100	53.3	134.9	14,100	13,700	13,200	12,700	100
105	51.0	131.0	13,200	12,700	12,200	11,800	105
110	48.6	126.7	12,100	11,700	11,300	11,000	110
115	46.2	122.1	11,200	10,900	10,600	10,300	115
120	43.7	117.0	10,500	10,200	9,800	9,600	120
125	41.0	111.5	9,700	9,500	9,200	9,000	125
130	38.1	105.3	9,200	8,800	8,600	8,400	130

Manitowoc Cranes

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

76,300 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

12000-1

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							
29.9	81.4	175.2	75,000 *				29.9
30	81.4	175.2	75,000 *				30
32	80.7	174.8	72,000				32
34	80.0	174.5	66,100				34
36	79.3	174.1	60,800				36
38	78.6	173.7	56,400	46,200			38
40	77.9	173.3	52,400	45,700			40
45	76.2	172.1	44,500	40,700			45
50	74.5	170.8	38,500	35,700			50
55	72.7	169.3	33,700	31,400	27,100		55
60	70.9	167.6	29,700	27,800	25,900		60
65	69.1	165.7	26,400	24,900	23,500	19,500	65
70	67.3	163.7	23,800	22,500	21,300	19,200	70
75	65.5	161.5	21,600	20,400	19,400	18,200	75
80	63.6	159.1	19,600	18,600	17,700	16,800	80
85	61.7	156.5	17,800	17,000	16,200	15,500	85
90	59.8	153.6	16,300	15,600	14,900	14,300	90
95	57.8	150.6	14,900	14,400	13,800	13,200	95
100	55.8	147.3	13,800	13,300	12,700	12,200	100
105	53.7	143.7	12,700	12,200	11,700	11,400	105
110	51.6	139.8	11,600	11,300	10,900	10,600	110
115	49.4	135.6	11,000	10,500	10,200	9,900	115
120	47.1	131.1	10,100	9,800	9,500	9,200	120
125	44.7	126.2	9,400	9,100	8,900	8,600	125
130	42.3	120.9	8,800	8,400	8,200	8,000	130
135	39.7	115.1	8,100	7,800	7,600	7,400	135
140	37.0	108.7	7,400	7,300	7,100	6,900	140



Liftcrane Boom Capacities

76,300 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

12000-1

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							
31.4	81.4	185.1	73,400				31.4
32	81.2	185.0	71,800				32
34	80.6	184.6	65,900				34
36	79.9	184.3	60,600				36
38	79.3	183.9	56,200				38
40	78.6	183.5	52,200	42,100			40
45	77.0	182.4	44,300	40,000			45
50	75.4	181.1	38,100	35,100			50
55	73.7	179.7	33,200	30,900	24,900		55
60	72.0	178.2	29,500	27,500	24,200		60
65	70.3	176.4	26,200	24,600	22,900	17,700	65
70	68.6	174.5	23,500	22,100	20,800	17,400	70
75	66.9	172.5	21,100	20,000	18,800	17,000	75
80	65.2	170.2	19,100	18,200	17,300	16,300	80
85	63.4	167.8	17,600	16,700	15,900	15,100	85
90	61.6	165.1	16,000	15,300	14,500	13,800	90
95	59.8	162.3	14,700	14,000	13,300	12,700	95
100	57.9	159.2	13,400	12,800	12,200	11,800	100
105	56.0	155.9	12,300	11,800	11,300	10,900	105
110	54.1	152.4	11,400	10,900	10,500	10,100	110
115	52.1	148.6	10,500	10,000	9,700	9,400	115
120	50.0	144.5	9,900	9,200	9,000	8,700	120
125	47.9	140.1	9,000	8,600	8,300	8,100	125
130	45.7	135.4	8,300	8,000	7,700	7,500	130
135	43.4	130.3	7,700	7,400	7,200	7,000	135
140	41.0	124.7	7,200	6,900	6,700	6,500	140
145	38.5	118.6	6,600	6,400	6,200	6,000	145
150	35.9	112.0	6,100	6,000	5,800	5,600	150

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Liftcrane Boom Capacities

76,300 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

12000-1

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							
32.9	81.4	194.9	66,300 *				32.9
34	81.1	194.8	65,400				34
36	80.5	194.4	60,400				36
38	79.8	194.1	55,900				38
40	79.2	193.7	52,000				40
45	77.7	192.7	44,000	37,600			45
50	76.1	191.5	37,900	34,300			50
55	74.6	190.1	33,000	30,400			55
60	73.0	188.7	29,100	27,100	22,100		60
65	71.4	187.0	26,000	24,100	21,500	15,900	65
70	69.8	185.2	23,100	21,700	20,300	15,600	70
75	68.2	183.3	20,900	19,600	18,500	15,200	75
80	66.6	181.2	18,900	17,800	16,800	15,000	80
85	64.9	178.9	17,100	16,200	15,300	14,400	85
90	63.2	176.4	15,600	14,800	14,100	13,400	90
95	61.5	173.8	14,300	13,600	13,000	12,300	95
100	59.8	171.0	13,200	12,500	11,900	11,300	100
105	58.0	167.9	12,100	11,400	10,900	10,400	105
110	56.2	164.6	11,000	10,500	10,000	9,600	110
115	54.4	161.1	10,100	9,700	9,300	8,800	115
120	52.5	157.4	9,400	8,900	8,600	8,100	120
125	50.6	153.4	8,800	8,200	7,900	7,500	125
130	48.6	149.1	7,900	7,500	7,200	6,900	130
135	46.5	144.5	7,200	6,900	6,700	6,400	135
140	44.4	139.5	6,800	6,400	6,200	5,900	140
145	42.2	134.1	6,100	5,900	5,700	5,500	145
150	39.9	128.3	5,700	5,500	5,300	5,100	150
155	37.4	122.0	5,200	5,100	4,900	4,700	155



Liftcrane Boom Capacities

76,300 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

12000-1

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							
34.4	81.4	204.8	50,000 *				34.4
36	80.9	204.6	50,000 *				36
38	80.4	204.2	50,000 *				38
40	79.8	203.9	50,000 *				40
45	78.3	202.9	44,000	34,200			45
50	76.8	201.8	37,900	33,300			50
55	75.4	200.5	33,000	30,400			55
60	73.9	199.1	29,300	27,000	20,100		60
65	72.4	197.6	26,000	24,200	19,600		65
70	70.9	195.9	23,300	21,700	19,200	14,100	70
75	69.3	194.0	20,900	19,600	18,300	13,800	75
80	67.8	192.1	18,900	17,700	16,700	13,400	80
85	66.2	189.9	17,100	16,100	15,200	13,200	85
90	64.7	187.6	15,600	14,800	14,000	13,000	90
95	63.1	185.1	14,300	13,600	12,900	12,200	95
100	61.4	182.5	13,200	12,500	11,900	11,300	100
105	59.8	179.6	12,100	11,500	11,000	10,500	105
110	58.1	176.6	11,200	10,600	10,100	9,600	110
115	56.4	173.3	10,300	9,800	9,300	8,800	115
120	54.7	169.9	9,400	9,000	8,500	8,100	120
125	52.9	166.2	8,800	8,200	7,800	7,400	125
130	51.1	162.2	7,900	7,500	7,100	6,800	130
135	49.2	158.0	7,200	6,900	6,600	6,300	135
140	47.3	153.5	6,800	6,300	6,000	5,800	140
145	45.3	148.7	6,100	5,800	5,500	5,300	145
150	43.2	143.5	5,700	5,300	5,000	4,800	150
155	41.1	137.9	5,000	4,800	4,600	4,400	155
160	38.8	131.9	4,600	4,400	4,200	4,000	160
165	36.5	125.3	4,100	4,000	3,800	3,600	165

Manitowoc Cranes

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Liftcrane Boom Capacities

76,300 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

12000-1

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)
210 ft Boom							
35.9	81.4	214.7	50,000 *				35.9
36	81.4	214.7	50,000 *				36
38	80.8	214.4	50,000 *				38
40	80.3	214.0	50,000 *				40
45	78.9	213.1	43,800				45
50	77.5	212.0	37,600				50
55	76.1	210.8	32,800	29,200			55
60	74.7	209.5	28,800	26,600			60
65	73.2	208.0	25,700	23,700	17,800		65
70	71.8	206.4	22,900	21,300	17,400		70
75	70.4	204.7	20,700	19,300	17,000	12,300	75
80	68.9	202.8	18,700	17,500	16,100	12,000	80
85	67.4	200.8	16,900	15,900	14,900	11,600	85
90	66.0	198.6	15,400	14,500	13,600	11,400	90
95	64.4	196.3	14,100	13,200	12,400	11,200	95
100	62.9	193.8	12,700	12,200	11,500	10,800	100
105	61.4	191.1	11,900	11,100	10,500	9,900	105
110	59.8	188.3	10,800	10,200	9,600	9,100	110
115	58.2	185.2	9,900	9,300	8,800	8,400	115
120	56.6	182.0	9,000	8,600	8,100	7,700	120
125	54.9	178.6	8,300	7,800	7,400	7,000	125
130	53.2	174.9	7,700	7,100	6,700	6,300	130
135	51.5	171.0	6,800	6,400	6,100	5,700	135
140	49.7	166.9	6,300	5,800	5,500	5,200	140
145	47.9	162.5	5,700	5,300	5,000	4,700	145
150	46.1	157.8	5,200	4,800	4,500	4,200	150
155	44.1	152.8	4,600	4,300	4,100	3,800	155
160	42.1	147.4	4,100	3,900	3,700	3,400	160



Liftcrane Boom Capacities

76,300 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

12000-1

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)
220 ft Boom							
37.4	81.4	224.6	48,200 *				37.4
38	81.2	224.5	47,800 *				38
40	80.7	224.2	46,700 *				40
45	79.4	223.3	43,400				45
50	78.1	222.3	37,400				50
55	76.7	221.1	32,600				55
60	75.4	219.9	28,600	25,700			60
65	74.0	218.5	25,300	23,300			65
70	72.7	217.0	22,700	20,800	15,800		70
75	71.3	215.3	20,200	18,800	15,400	10,900	75
80	69.9	213.5	18,200	17,100	15,000	10,700	80
85	68.5	211.6	16,700	15,600	14,300	10,500	85
90	67.1	209.5	15,200	14,200	13,200	10,200	90
95	65.7	207.3	13,800	12,900	12,100	9,900	95
100	64.2	205.0	12,500	11,700	11,100	9,600	100
105	62.8	202.5	11,400	10,800	10,200	9,300	105
110	61.3	199.8	10,500	9,900	9,300	8,700	110
115	59.8	196.9	9,700	9,100	8,500	7,900	115
120	58.3	193.9	8,800	8,200	7,700	7,200	120
125	56.7	190.7	7,900	7,500	7,000	6,500	125
130	55.2	187.3	7,200	6,800	6,300	5,900	130
135	53.6	183.7	6,600	6,100	5,700	5,300	135
140	51.9	179.8	5,900	5,500	5,200	4,900	140
145	50.2	175.8	5,200	5,000	4,700	4,400	145
150	48.5	171.4	4,800	4,500	4,300	4,000	150
155	46.8	166.8	4,400	4,100	3,900	3,600	155

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 Extended Position Crawlers
 360 Degree Rating

12000-1

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)
230 ft Boom							
38.9	81.4	234.5	43,200 *				38.9
40	81.1	234.3	42,700 *				40
45	79.9	233.5	40,100 *				45
50	78.6	232.5	37,000				50
55	77.3	231.4	32,100	24,800			55
60	76.0	230.2	28,400	24,100			60
65	74.7	228.9	25,100	22,600			65
70	73.4	227.4	22,200	20,500	14,000		70
75	72.1	225.9	20,000	18,500	13,700		75
80	70.8	224.2	18,000	16,700	13,400	9,400	80
85	69.5	222.3	16,300	15,100	13,100	9,100	85
90	68.2	220.4	14,700	13,700	12,600	8,700	90
95	66.8	218.3	13,400	12,600	11,700	8,500	95
100	65.4	216.0	12,300	11,500	10,700	8,300	100
105	64.1	213.7	11,200	10,400	9,700	8,100	105
110	62.7	211.1	10,100	9,400	8,800	7,800	110
115	61.3	208.4	9,200	8,500	8,000	7,300	115
120	59.8	205.6	8,300	7,700	7,200	6,700	120
125	58.4	202.6	7,400	7,000	6,500	6,000	125
130	56.9	199.4	6,800	6,300	5,800	5,400	130
135	55.4	196.0	6,100	5,600	5,200	4,800	135
140	53.9	192.4	5,500	5,000	4,700	4,300	140
145	52.3	188.6	4,800	4,500	4,200	3,900	145
150	50.7	184.6	4,400	4,000	3,800	3,500	150