



Liftcrane Boom Capacities

Boom No. 76
168,000 lb Crane Counterweight
Pedestal Mount
0 Degree thru 3 Degree Static Machine List
360 Degree Rating

14000 SERIES 2

LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and are based on structural competence. Capacities indicated by (b) require 10,000 lb minimum weight.

Upper boom point capacity for liftcrane service with single part whip line is 31,500 lbs or 60,000 lbs with two part whip line. When boom butt mounted auxiliary drum is used, capacity with single part whip line is 20,000 lbs, or 40,000 lbs with two part whip line. In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.

233 ft thru 292 ft boom lengths require only the middle two sheaves in lower boom point. All other sheaves must be removed from lower boom point.

Weight of upper boom point, 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 with turntable bearing properly supported and machine list not to

exceed degrees note. Refer to boom rigging **No. A16106**, Wire Rope Specification chart **No. 8789-A**, and Wind Conditions chart **No. 8790-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.

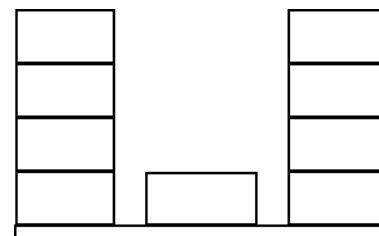
OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation at top of turntable bearing to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

BOOM POINT ELEVATION: Boom point elevation is vertical distance from top of turntable bearing to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with 10 ft 3 in. retractable gantry, 27 ft live mast, 20 part boom hoist reeving, boom support straps, and 168,000 lb crane counterweight.

Maximum Boom Lengths Lifted Unassisted	
List	Boom Length
0 Degree	(a) 292.0 ft
1 Degree	282.1 ft
2 Degree	282.1 ft
3 Degree	272.3 ft

Load block, hook and weight ball on barge deck at start. (a) Upper boom point cannot be used on 292.0 ft boom. Jib cannot be attached on machine while operating on a barge.

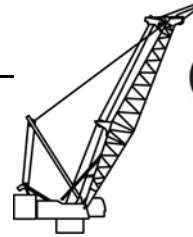


168,000 lb Crane Counterweight
 8 Side Boxes - 1 Center Box

Upper Boom Point Deduct
 Deduct 1,100 lbs from capacities when upper boom point is attached.

Manitowoc Cranes, Inc.

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65.6 ft							
14	83.2	68.7	411,800 b				14
15	82.3	68.6	386,500 b				15
16	81.4	68.4	364,000 b	333,100 b			16
17	80.5	68.2	343,900 b	316,100 b	293,700 b		17
18	79.7	68.0	325,900 b	300,700 b	280,200 b	255,700 b	18
19	78.8	67.8	309,500 b	286,700 b	267,800 b	241,700 b	19
20	77.9	67.5	294,700 b	273,800 b	256,500 b	229,000 b	20
22	76.1	67.0	268,700	251,200 b	236,300 b	207,200 b	22
24	74.2	66.4	246,700	231,800	216,600 b	189,000 b	24
26	72.4	65.7	227,900	215,000	199,200	173,600	26
28	70.5	64.9	211,600	200,400	184,200	160,400	28
30	68.6	64.1	197,300	187,500	171,300	148,900	30
32	66.7	63.2	184,800	176,000	159,900	138,900	32
34	64.8	62.2	173,600	165,800	149,900	130,100	34
36	62.8	61.2	163,600	156,600	141,000	122,200	36
38	60.8	60.0	154,500	148,300	133,100	115,100	38
40	58.7	58.8	146,400	140,700	125,900	108,800	40
42	56.6	57.4	139,000	133,800	119,400	103,000	42
44	54.4	55.9	132,200	127,500	113,500	97,800	44
46	52.2	54.3	126,000	121,700	108,100	93,000	46
48	49.9	52.6	120,200	116,400	103,200	88,700	48
50	47.5	50.7	114,900	111,400	98,600	84,600	50
55	41.0	45.2	103,300	100,500	88,600	75,800	55
60	33.4	38.1	93,500	91,300	80,300	68,400	60
65	23.7	28.1	85,000	83,300	73,100	62,000	65



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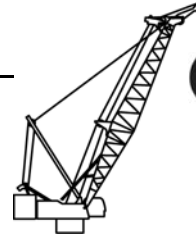
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168,000 lb Crane Counterweight
Pedestal Mount
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360 Degree Rating

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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
75.5 ft							
16	82.6	78.4	363,600 b				16
17	81.8	78.2	343,500 b	312,400 b			17
18	81.0	78.0	325,400 b	297,300 b	275,000 b		18
19	80.2	77.8	309,100 b	283,600 b	263,000 b		19
20	79.5	77.6	294,300 b	271,000 b	252,000 b	228,800 b	20
22	77.9	77.2	268,300	248,700 b	232,400 b	207,000 b	22
24	76.3	76.6	246,300	229,600	215,400 b	188,800 b	24
26	74.8	76.1	227,500	213,100	199,000	173,400	26
28	73.2	75.4	211,200	198,600	184,100	160,200	28
30	71.6	74.7	197,000	185,900	171,100	148,700	30
32	69.9	73.9	184,400	174,600	159,800	138,700	32
34	68.3	73.1	173,200	164,500	149,800	129,900	34
36	66.6	72.2	163,200	155,400	140,900	122,000	36
38	64.9	71.2	154,200	147,200	132,900	115,000	38
40	63.2	70.2	146,100	139,700	125,800	108,600	40
42	61.5	69.1	138,700	132,900	119,300	102,900	42
44	59.7	67.9	131,900	126,600	113,400	97,700	44
46	57.9	66.6	125,700	120,900	108,000	92,900	46
48	56.1	65.2	120,000	115,600	103,000	88,500	48
50	54.2	63.7	114,700	110,600	98,500	84,500	50
55	49.2	59.5	103,100	99,800	88,600	75,700	55
60	43.8	54.5	93,400	90,700	80,300	68,300	60
65	37.8	48.3	85,100	82,900	73,200	62,100	65
70	30.8	40.5	77,900	76,100	67,100	56,700	70
75	21.6	29.5	71,500	70,100	61,800	52,000	75

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85.3 ft							
17	82.7	88.2	343,000 b				17
18	82.1	88.0	324,900 b				18
19	81.4	87.8	308,600 b	280,400 b			19
20	80.7	87.7	293,700	268,000 b	247,500 b		20
22	79.3	87.2	267,800	246,100 b	228,500 b	206,700 b	22
24	78.0	86.8	245,800	227,300	212,000 b	188,500 b	24
26	76.6	86.3	227,000	211,000	197,600	173,100	26
28	75.2	85.7	210,700	196,800	183,800	159,900	28
30	73.8	85.1	196,500	184,200	170,900	148,400	30
32	72.4	84.4	183,900	173,000	159,500	138,400	32
34	70.9	83.7	172,800	163,000	149,500	129,600	34
36	69.5	82.9	162,800	154,000	140,600	121,700	36
38	68.0	82.1	153,800	145,900	132,700	114,700	38
40	66.6	81.2	145,600	138,500	125,500	108,400	40
42	65.1	80.2	138,200	131,700	119,000	102,600	42
44	63.6	79.2	131,500	125,600	113,100	97,400	44
46	62.0	78.1	125,300	119,900	107,800	92,600	46
48	60.5	76.9	119,600	114,600	102,800	88,300	48
50	58.9	75.7	114,300	109,700	98,300	84,300	50
55	54.8	72.2	102,800	99,000	88,400	75,500	55
60	50.5	68.2	93,100	89,900	80,100	68,100	60
65	45.9	63.5	84,800	82,200	73,100	61,900	65
70	40.8	57.9	77,600	75,400	67,000	56,600	70
75	35.2	51.2	71,400	69,600	61,800	51,900	75
80	28.6	42.6	65,900	64,400	57,100	47,800	80
85	19.8	30.7	60,900	59,700	53,000	44,100	85



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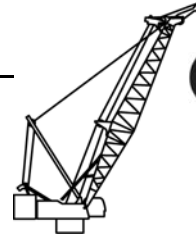
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Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
95.1 ft							
18	82.9	98.0	324,700				18
19	82.3	97.8	308,300				19
20	81.7	97.7	293,500	265,400 b			20
22	80.5	97.3	267,600	243,800	224,900 b		22
24	79.2	96.9	245,600	225,400	208,900	188,400 b	24
26	78.0	96.4	226,800	209,300	194,800	173,000	26
28	76.7	95.9	210,500	195,300	182,400	159,800	28
30	75.5	95.4	196,300	182,800	170,800	148,300	30
32	74.2	94.8	183,700	171,800	159,400	138,300	32
34	73.0	94.2	172,600	161,900	149,400	129,500	34
36	71.7	93.5	162,600	153,000	140,600	121,600	36
38	70.4	92.7	153,600	145,000	132,600	114,600	38
40	69.1	91.9	145,500	137,600	125,400	108,300	40
42	67.8	91.1	138,100	130,900	119,000	102,500	42
44	66.5	90.2	131,300	124,800	113,100	97,300	44
46	65.2	89.2	125,200	119,200	107,700	92,600	46
48	63.8	88.2	119,500	113,900	102,800	88,200	48
50	62.5	87.2	114,200	109,100	98,200	84,200	50
55	59.0	84.2	102,700	98,500	88,300	75,400	55
60	55.3	80.8	93,000	89,500	80,000	68,100	60
65	51.5	76.9	84,700	81,800	73,000	61,900	65
70	47.4	72.4	77,600	75,100	67,000	56,600	70
75	43.1	67.2	71,400	69,300	61,800	51,900	75
80	38.4	61.1	65,900	64,100	57,200	47,900	80
85	33.0	53.8	61,100	59,500	53,100	44,200	85
90	26.7	44.6	56,700	55,400	49,500	41,000	90
95	18.4	31.7	52,700	51,700	46,200	38,100	95

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105.0 ft							
19	83.0	107.8	307,700				19
20	82.5	107.6	292,900				20
22	81.4	107.3	266,900	241,200			22
24	80.2	106.9	245,000	223,000	205,500		24
26	79.1	106.5	226,200	207,200	191,800	172,600	26
28	78.0	106.1	209,900	193,300	179,600	159,400	28
30	76.9	105.6	195,700	181,100	168,800	147,900	30
32	75.8	105.1	183,100	170,200	159,100	137,900	32
34	74.6	104.5	172,000	160,400	149,100	129,100	34
36	73.5	103.9	162,000	151,600	140,200	121,200	36
38	72.3	103.2	153,000	143,600	132,300	114,200	38
40	71.2	102.5	144,900	136,300	125,100	107,900	40
42	70.0	101.7	137,500	129,700	118,600	102,100	42
44	68.8	100.9	130,800	123,600	112,700	96,900	44
46	67.7	100.1	124,600	118,000	107,400	92,200	46
48	66.5	99.2	118,900	112,800	102,400	87,800	48
50	65.2	98.2	113,600	108,100	97,900	83,800	50
55	62.2	95.6	102,100	97,500	88,000	75,000	55
60	59.0	92.7	92,400	88,600	79,700	67,700	60
65	55.7	89.3	84,200	80,900	72,700	61,500	65
70	52.3	85.5	77,100	74,300	66,700	56,200	70
75	48.7	81.2	70,900	68,500	61,500	51,600	75
80	44.9	76.3	65,500	63,400	56,900	47,500	80
85	40.8	70.7	60,600	58,800	52,900	44,000	85
90	36.2	64.1	56,300	54,800	49,300	40,800	90
95	31.2	56.2	52,400	51,100	46,000	37,900	95
100	25.1	46.4	48,900	47,700	43,100	35,300	100
105	17.1	32.6	45,600	44,700	40,400	32,800	105



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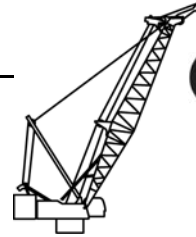
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114.8 ft							
20	83.1	117.6	292,500				20
22	82.1	117.3	266,600				22
24	81.1	116.9	244,700	220,900			24
26	80.1	116.6	225,900	205,400	189,000		26
28	79.1	116.2	209,600	191,700	177,200	159,200	28
30	78.0	115.7	195,400	179,600	166,600	147,700	30
32	77.0	115.2	182,800	168,800	157,100	137,700	32
34	76.0	114.7	171,700	159,100	148,600	128,900	34
36	74.9	114.1	161,700	150,400	140,000	121,000	36
38	73.9	113.5	152,700	142,500	132,100	114,000	38
40	72.9	112.9	144,600	135,300	124,900	107,700	40
42	71.8	112.2	137,200	128,800	118,400	101,900	42
44	70.7	111.5	130,400	122,700	112,600	96,700	44
46	69.7	110.7	124,300	117,200	107,200	92,000	46
48	68.6	109.9	118,600	112,000	102,200	87,600	48
50	67.5	109.1	113,300	107,300	97,700	83,600	50
55	64.8	106.8	101,800	96,800	87,800	74,800	55
60	61.9	104.1	92,200	87,900	79,500	67,500	60
65	59.0	101.2	83,900	80,300	72,600	61,300	65
70	56.0	97.8	76,800	73,700	66,600	56,000	70
75	52.9	94.1	70,700	68,000	61,300	51,400	75
80	49.7	89.9	65,200	62,900	56,800	47,400	80
85	46.3	85.3	60,400	58,400	52,800	43,800	85
90	42.6	80.0	56,100	54,300	49,200	40,600	90
95	38.7	73.9	52,200	50,700	45,900	37,800	95
100	34.4	66.9	48,700	47,400	43,000	35,200	100
105	29.6	58.5	45,500	44,400	40,400	32,800	105
110	23.8	48.0	42,600	41,600	38,000	30,700	110
115	16.0	33.3	39,800	39,000	35,700	28,700	115

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124.7 ft							
22	82.7	127.2	266,300				22
24	81.8	126.9	244,300	211,000			24
26	80.9	126.6	225,600	203,600	176,600		26
28	79.9	126.2	209,300	190,100	172,300	151,900	28
30	79.0	125.8	195,100	178,100	164,400	147,600	30
32	78.1	125.3	182,500	167,500	155,100	137,500	32
34	77.1	124.9	171,400	157,900	146,800	128,700	34
36	76.2	124.4	161,400	149,300	139,100	120,800	36
38	75.2	123.8	152,400	141,500	131,900	113,800	38
40	74.3	123.2	144,300	134,400	124,800	107,500	40
42	73.3	122.6	136,900	127,900	118,300	101,800	42
44	72.3	121.9	130,200	121,900	112,400	96,600	44
46	71.4	121.2	124,000	116,400	107,000	91,800	46
48	70.4	120.5	118,300	111,300	102,100	87,400	48
50	69.4	119.7	113,100	106,600	97,600	83,400	50
55	66.9	117.6	101,500	96,100	87,700	74,700	55
60	64.3	115.2	91,900	87,300	79,400	67,400	60
65	61.7	112.6	83,700	79,800	72,400	61,200	65
70	59.1	109.6	76,600	73,200	66,400	55,900	70
75	56.3	106.3	70,400	67,500	61,200	51,300	75
80	53.5	102.7	65,000	62,500	56,700	47,200	80
85	50.5	98.6	60,200	58,000	52,600	43,700	85
90	47.4	94.1	55,900	54,000	49,100	40,500	90
95	44.2	89.1	52,100	50,300	45,800	37,700	95
100	40.7	83.4	48,600	47,000	42,900	35,100	100
105	36.9	77.0	45,400	44,100	40,300	32,800	105
110	32.8	69.5	42,500	41,300	37,900	30,600	110
115	28.1	60.7	39,800	38,800	35,700	28,700	115
120	22.6	49.6	37,400	36,500	33,700	26,800	120



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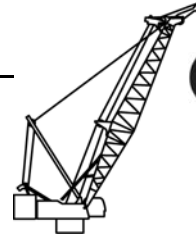
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134.5 ft							
24	82.4	136.9	243,900				24
26	81.5	136.6	225,200	200,200			26
28	80.7	136.2	208,900	188,400	167,500		28
30	79.8	135.8	194,700	176,600	162,200	143,800	30
32	78.9	135.4	182,100	166,100	153,100	137,300	32
34	78.1	135.0	171,000	156,600	144,900	128,400	34
36	77.2	134.5	161,000	148,100	137,400	120,600	36
38	76.3	134.0	152,000	140,400	130,600	113,600	38
40	75.4	133.5	143,900	133,300	124,300	107,200	40
42	74.6	132.9	136,500	126,800	118,100	101,500	42
44	73.7	132.3	129,800	120,900	112,200	96,300	44
46	72.8	131.6	123,600	115,500	106,800	91,500	46
48	71.9	131.0	117,900	110,400	101,900	87,200	48
50	71.0	130.3	112,700	105,700	97,300	83,200	50
55	68.7	128.3	101,200	95,400	87,400	74,400	55
60	66.4	126.2	91,500	86,600	79,200	67,100	60
65	64.0	123.8	83,300	79,100	72,200	60,900	65
70	61.6	121.1	76,200	72,600	66,200	55,600	70
75	59.1	118.1	70,100	66,900	61,000	51,000	75
80	56.6	114.8	64,700	61,900	56,400	47,000	80
85	53.9	111.3	59,900	57,400	52,400	43,400	85
90	51.2	107.3	55,600	53,400	48,900	40,300	90
95	48.4	102.9	51,700	49,800	45,600	37,400	95
100	45.4	98.1	48,300	46,600	42,800	34,900	100
105	42.3	92.7	45,100	43,600	40,100	32,500	105
110	39.0	86.7	42,200	40,900	37,800	30,400	110
115	35.4	79.8	39,600	38,400	35,600	28,500	115
120	31.4	72.0	37,100	36,100	33,600	26,700	120
125	26.9	62.7	34,900	34,000	31,700	25,000	125
130	21.5	51.0	32,800	32,000	30,000	23,500	130

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

Boom No. 76
 168,000 lb Crane Counterweight
 Pedestal Mount
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating

14000 SERIES 2

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
144.4 ft							
24	82.9	146.8	238,600				24
26	82.1	146.5	224,500				26
28	81.3	146.2	208,200	172,000			28
30	80.5	145.9	194,000	167,900	142,800		30
32	79.7	145.5	181,400	163,900	139,900	122,200	32
34	78.9	145.1	170,300	155,100	137,000	119,900	34
36	78.1	144.6	160,300	146,600	134,200	117,600	36
38	77.3	144.1	151,300	138,900	128,700	113,100	38
40	76.5	143.6	143,200	132,000	122,500	106,800	40
42	75.6	143.1	135,800	125,600	116,900	101,000	42
44	74.8	142.6	129,100	119,700	111,600	95,800	44
46	74.0	142.0	122,900	114,300	106,400	91,100	46
48	73.1	141.4	117,200	109,200	101,500	86,700	48
50	72.3	140.7	112,000	104,600	96,900	82,700	50
55	70.2	138.9	100,500	94,300	87,000	74,000	55
60	68.1	136.9	90,900	85,600	78,800	66,700	60
65	65.9	134.7	82,600	78,200	71,800	60,500	65
70	63.7	132.2	75,600	71,700	65,800	55,200	70
75	61.4	129.6	69,400	66,100	60,600	50,600	75
80	59.1	126.6	64,000	61,100	56,100	46,500	80
85	56.8	123.3	59,200	56,600	52,000	43,000	85
90	54.3	119.8	54,900	52,600	48,500	39,800	90
95	51.8	115.9	51,100	49,000	45,300	37,000	95
100	49.2	111.7	47,600	45,800	42,400	34,400	100
105	46.5	107.0	44,500	42,800	39,800	32,100	105
110	43.7	101.9	41,600	40,100	37,400	30,000	110
115	40.6	96.2	39,000	37,700	35,200	28,100	115
120	37.4	89.8	36,600	35,400	33,200	26,300	120
125	34.0	82.6	34,300	33,300	31,400	24,700	125
130	30.1	74.3	32,200	31,300	29,600	23,100	130
135	25.7	64.5	30,300	29,500	28,100	21,700	135
140	20.5	52.3	28,500	27,700	26,600	20,400	140



Liftcrane Boom Capacities

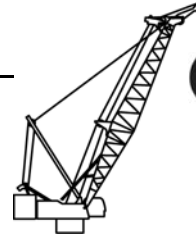
Boom No. 76
168,000 lb Crane Counterweight
Pedestal Mount
0 Degree thru 3 Degree Static Machine List
360 Degree Rating

14000 SERIES 2

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
154.2 ft							
26	82.6	156.5	224,000				26
28	81.9	156.2	207,700	166,900			28
30	81.1	155.9	193,500	162,900			30
32	80.4	155.5	181,000	159,000	135,600		32
34	79.6	155.1	169,800	153,700	132,700	116,300	34
36	78.9	154.7	159,800	145,400	130,000	114,000	36
38	78.1	154.3	150,900	137,800	127,000	111,800	38
40	77.3	153.8	142,800	130,800	121,000	106,500	40
42	76.6	153.3	135,400	124,500	115,400	100,700	42
44	75.8	152.8	128,600	118,700	110,300	95,500	44
46	75.0	152.2	122,500	113,300	105,500	90,800	46
48	74.3	151.6	116,800	108,300	101,100	86,400	48
50	73.5	151.0	111,500	103,700	96,700	82,400	50
55	71.5	149.4	100,000	93,500	86,800	73,600	55
60	69.5	147.5	90,400	84,900	78,500	66,300	60
65	67.5	145.5	82,200	77,500	71,500	60,200	65
70	65.5	143.2	75,100	71,000	65,500	54,900	70
75	63.4	140.7	69,000	65,400	60,300	50,300	75
80	61.3	138.0	63,600	60,400	55,800	46,200	80
85	59.2	135.1	58,800	56,000	51,800	42,700	85
90	56.9	131.9	54,500	52,000	48,200	39,500	90
95	54.7	128.4	50,700	48,500	45,000	36,700	95
100	52.3	124.5	47,200	45,200	42,100	34,100	100
105	49.9	120.4	44,100	42,300	39,500	31,800	105
110	47.4	115.8	41,200	39,600	37,100	29,700	110
115	44.8	110.9	38,600	37,100	35,000	27,800	115
120	42.1	105.5	36,200	34,900	33,000	26,000	120
125	39.2	99.4	34,000	32,800	31,100	24,400	125
130	36.0	92.8	31,900	30,800	29,400	22,900	130
135	32.7	85.2	30,000	29,000	27,800	21,500	135
140	29.0	76.6	28,200	27,300	26,400	20,200	140
145	24.7	66.3	26,500	25,700	25,000	18,900	145
150	19.6	53.5	24,900	24,200	23,600	17,800	150

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

Boom No. 76
 168,000 lb Crane Counterweight
 Pedestal Mount
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating

14000 SERIES 2

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
164.0 ft							
28	82.4	166.1	206,800				28
30	81.7	165.8	193,200	152,000			30
32	81.0	165.5	180,600	148,800	125,300		32
34	80.2	165.1	169,500	145,600	123,000		34
36	79.5	164.8	159,500	142,600	120,700	104,700	36
38	78.8	164.3	150,500	136,700	118,400	103,000	38
40	78.1	163.9	142,400	129,800	116,300	101,200	40
42	77.4	163.4	135,000	123,500	114,000	99,500	42
44	76.7	162.9	128,300	117,800	109,000	95,300	44
46	76.0	162.4	122,100	112,400	104,300	90,500	46
48	75.2	161.9	116,400	107,500	99,900	86,200	48
50	74.5	161.3	111,200	102,900	95,800	82,200	50
55	72.7	159.8	99,700	92,800	86,500	73,400	55
60	70.8	158.0	90,100	84,200	78,300	66,100	60
65	69.0	156.1	81,900	76,800	71,300	59,900	65
70	67.1	154.0	74,800	70,400	65,300	54,600	70
75	65.1	151.7	68,600	64,800	60,100	50,000	75
80	63.2	149.2	63,200	59,900	55,600	46,000	80
85	61.2	146.5	58,500	55,500	51,600	42,500	85
90	59.2	143.6	54,200	51,600	48,000	39,300	90
95	57.1	140.4	50,400	48,000	44,800	36,500	95
100	55.0	136.9	46,900	44,800	41,900	33,900	100
105	52.8	133.1	43,800	41,900	39,300	31,600	105
110	50.5	129.1	40,900	39,200	36,900	29,500	110
115	48.2	124.6	38,300	36,700	34,800	27,600	115
120	45.8	119.8	35,900	34,500	32,800	25,800	120
125	43.3	114.6	33,700	32,400	31,000	24,200	125
130	40.6	108.9	31,600	30,400	29,300	22,700	130
135	37.8	102.6	29,700	28,600	27,600	21,300	135
140	34.8	95.6	27,900	26,900	26,000	20,000	140
145	31.5	87.7	26,200	25,400	24,500	18,800	145
150	27.9	78.7	24,700	23,900	23,100	17,600	150
155	23.8	68.0	23,200	22,500	21,800	16,500	155
160	18.8	54.6	21,800	21,200	20,600	15,500	160

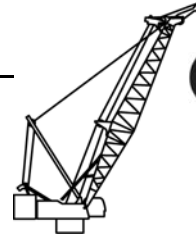


Liftcrane Boom Capacities

Boom No. 76
168,000 lb Crane Counterweight
Pedestal Mount
0 Degree thru 3 Degree Static Machine List
360 Degree Rating

14000 SERIES 2

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
173.9 ft							
28	82.8	176.1	199,200				28
30	82.1	175.8	192,700				30
32	81.5	175.5	180,100	143,600			32
34	80.8	175.1	169,000	140,500	118,700		34
36	80.1	174.8	159,000	137,500	116,400		36
38	79.5	174.4	150,000	134,600	114,200	99,400	38
40	78.8	174.0	141,900	128,700	112,000	97,600	40
42	78.1	173.5	134,500	122,500	109,900	95,900	42
44	77.4	173.1	127,800	116,800	107,600	94,300	44
46	76.8	172.6	121,600	111,500	103,000	90,200	46
48	76.1	172.1	116,000	106,600	98,700	85,800	48
50	75.4	171.5	110,700	102,000	94,600	81,800	50
55	73.7	170.1	99,200	92,000	85,700	73,100	55
60	72.0	168.5	89,600	83,400	78,000	65,800	60
65	70.2	166.7	81,400	76,100	71,000	59,600	65
70	68.4	164.7	74,300	69,700	65,000	54,300	70
75	66.6	162.6	68,200	64,200	59,800	49,700	75
80	64.8	160.2	62,800	59,200	55,300	45,700	80
85	63.0	157.7	58,000	54,900	51,300	42,100	85
90	61.1	155.0	53,700	50,900	47,700	39,000	90
95	59.2	152.0	49,900	47,400	44,500	36,200	95
100	57.2	148.8	46,500	44,200	41,600	33,600	100
105	55.2	145.4	43,300	41,300	39,000	31,300	105
110	53.2	141.7	40,500	38,600	36,700	29,200	110
115	51.1	137.7	37,900	36,200	34,500	27,300	115
120	48.9	133.4	35,400	33,900	32,500	25,500	120
125	46.6	128.7	33,200	31,800	30,500	23,900	125
130	44.3	123.7	31,200	29,900	28,700	22,400	130
135	41.9	118.2	29,300	28,100	27,000	21,000	135
140	39.3	112.2	27,500	26,400	25,400	19,700	140
145	36.6	105.6	25,800	24,900	23,900	18,500	145
150	33.6	98.3	24,300	23,400	22,500	17,400	150
155	30.5	90.1	22,800	22,000	21,200	16,300	155
160	27.0	80.7	21,400	20,700	20,000	15,300	160
165	22.9	69.6	20,100	19,500	18,800	14,300	165
170	18.1	55.7	18,900	18,300	17,800	13,400	170



Liftcrane Boom Capacities

Boom No. 76
 168,000 lb Crane Counterweight
 Pedestal Mount
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating

14000 SERIES 2

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
183.7 ft							
30	82.6	185.7	177,400				30
32	81.9	185.4	173,400	129,300			32
34	81.3	185.1	168,300	126,800			34
36	80.7	184.8	158,300	124,300	104,000		36
38	80.0	184.4	149,300	122,000	102,200	88,000	38
40	79.4	184.0	141,200	119,600	100,400	86,500	40
42	78.8	183.6	133,800	117,300	98,700	85,200	42
44	78.1	183.2	127,100	115,100	97,000	83,900	44
46	77.5	182.7	120,900	110,300	95,400	82,500	46
48	76.8	182.2	115,300	105,400	93,800	81,200	48
50	76.2	181.7	110,000	100,900	92,200	80,000	50
55	74.6	180.4	98,500	90,900	84,400	72,600	55
60	73.0	178.8	88,900	82,400	76,800	65,300	60
65	71.3	177.2	80,700	75,100	70,300	59,100	65
70	69.7	175.3	73,600	68,800	64,500	53,800	70
75	68.0	173.3	67,500	63,300	59,400	49,200	75
80	66.3	171.1	62,100	58,400	54,900	45,200	80
85	64.5	168.8	57,300	54,000	50,900	41,700	85
90	62.8	166.2	53,100	50,100	47,300	38,500	90
95	61.0	163.5	49,200	46,600	44,100	35,700	95
100	59.2	160.5	45,800	43,400	41,200	33,100	100
105	57.4	157.3	42,700	40,500	38,500	30,800	105
110	55.5	153.9	39,800	37,800	36,000	28,700	110
115	53.5	150.3	37,200	35,400	33,700	26,800	115
120	51.6	146.3	34,800	33,200	31,600	25,000	120
125	49.5	142.1	32,600	31,100	29,700	23,400	125
130	47.4	137.6	30,500	29,200	27,900	21,900	130
135	45.2	132.7	28,600	27,400	26,200	20,500	135
140	43.0	127.4	26,800	25,700	24,600	19,200	140
145	40.6	121.7	25,200	24,100	23,100	18,000	145
150	38.1	115.4	23,600	22,700	21,700	16,900	150
155	35.4	108.5	22,200	21,300	20,400	15,800	155
160	32.6	100.9	20,800	20,000	19,200	14,800	160
165	29.5	92.4	19,500	18,800	18,100	13,900	165
170	26.1	82.6	18,300	17,600	17,000	13,000	170
175	22.2	71.1	17,100	16,500	15,900	12,200	175
180	17.4	56.6	16,000	15,500	15,000	11,300	180

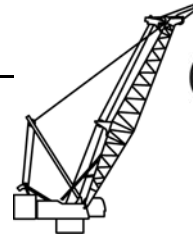


Liftcrane Boom Capacities

Boom No. 76
168,000 lb Crane Counterweight
Pedestal Mount
0 Degree thru 3 Degree Static Machine List
360 Degree Rating

14000 SERIES 2

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
193.6 ft							
30	82.9	195.7	169,900				30
32	82.3	195.4	166,400				32
34	81.8	195.1	162,800	121,900			34
36	81.2	194.8	157,800	119,500			36
38	80.6	194.4	148,800	117,100	98,200		38
40	79.9	194.1	140,700	114,800	96,500	78,200	40
42	79.3	193.7	133,300	112,600	94,800	78,000	42
44	78.7	193.2	126,600	110,500	93,100	78,000	44
46	78.1	192.8	120,400	108,300	91,500	77,900	46
48	77.5	192.4	114,800	104,400	89,900	77,800	48
50	76.9	191.9	109,500	100,000	88,300	76,600	50
55	75.4	190.6	98,000	90,000	83,300	72,300	55
60	73.9	189.1	88,400	81,600	75,800	65,000	60
65	72.3	187.6	80,200	74,400	69,300	58,800	65
70	70.7	185.8	73,100	68,100	63,600	53,500	70
75	69.1	183.9	67,000	62,600	58,600	48,900	75
80	67.5	181.9	61,600	57,700	54,200	44,900	80
85	65.9	179.7	56,800	53,300	50,200	41,300	85
90	64.3	177.3	52,600	49,500	46,600	38,200	90
95	62.6	174.7	48,700	46,000	43,400	35,300	95
100	60.9	171.9	45,300	42,800	40,400	32,800	100
105	59.2	169.0	42,200	39,900	37,800	30,500	105
110	57.5	165.8	39,300	37,200	35,300	28,400	110
115	55.7	162.4	36,700	34,800	33,000	26,500	115
120	53.9	158.8	34,300	32,600	30,900	24,700	120
125	52.0	154.9	32,100	30,500	29,000	23,100	125
130	50.1	150.8	30,000	28,600	27,200	21,600	130
135	48.1	146.4	28,100	26,800	25,500	20,200	135
140	46.0	141.6	26,400	25,100	24,000	18,900	140
145	43.9	136.5	24,700	23,600	22,500	17,700	145
150	41.7	131.0	23,200	22,100	21,100	16,600	150
155	39.4	125.0	21,700	20,800	19,800	15,500	155
160	37.0	118.5	20,400	19,500	18,600	14,500	160
165	34.4	111.3	19,100	18,300	17,500	13,600	165
170	31.6	103.4	17,900	17,100	16,400	12,700	170
175	28.6	94.6	16,700	16,000	15,400	11,900	175
180	25.3	84.4	15,600	15,000	14,400	11,100	180
185	21.4	72.5	14,600	14,000	13,500	10,300	185
190	16.8	57.5	13,500	13,100	12,600	9,600	190



Liftcrane Boom Capacities

Boom No. 76
 168,000 lb Crane Counterweight
 Pedestal Mount
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating

14000 SERIES 2

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
203.4 ft							
32	82.7	205.3	150,400				32
34	82.2	205.0	149,000				34
36	81.6	204.7	147,600	113,100			36
38	81.0	204.4	146,300	111,100	88,500		38
40	80.4	204.1	140,300	109,100	88,300		40
42	79.9	203.7	132,900	106,900	88,200	69,300	42
44	79.3	203.3	126,200	104,800	87,900	69,200	44
46	78.7	202.9	120,000	102,800	86,500	69,100	46
48	78.1	202.4	114,300	100,800	85,200	69,000	48
50	77.6	202.0	109,100	98,800	83,900	68,800	50
55	76.1	200.8	97,600	89,300	80,300	68,700	55
60	74.7	199.4	88,000	80,900	74,800	64,700	60
65	73.2	197.9	79,800	73,700	68,400	58,500	65
70	71.7	196.3	72,700	67,400	62,800	53,200	70
75	70.2	194.5	66,600	61,900	57,800	48,600	75
80	68.7	192.5	61,200	57,100	53,400	44,600	80
85	67.2	190.4	56,400	52,800	49,500	41,000	85
90	65.6	188.2	52,100	48,900	45,900	37,900	90
95	64.1	185.8	48,300	45,400	42,700	35,000	95
100	62.5	183.2	44,900	42,200	39,800	32,500	100
105	60.9	180.4	41,700	39,400	37,100	30,200	105
110	59.2	177.5	38,900	36,700	34,700	28,100	110
115	57.6	174.3	36,300	34,300	32,400	26,200	115
120	55.9	170.9	33,900	32,100	30,400	24,400	120
125	54.1	167.4	31,700	30,000	28,400	22,800	125
130	52.4	163.5	29,600	28,100	26,700	21,300	130
135	50.5	159.5	27,700	26,300	25,000	19,900	135
140	48.7	155.1	26,000	24,700	23,400	18,600	140
145	46.8	150.5	24,300	23,100	22,000	17,400	145
150	44.8	145.5	22,800	21,700	20,600	16,300	150
155	42.7	140.1	21,300	20,300	19,300	15,200	155
160	40.6	134.4	20,000	19,000	18,100	14,300	160
165	38.3	128.2	18,700	17,800	17,000	13,300	165
170	35.9	121.4	17,500	16,700	15,900	12,400	170
175	33.4	114.0	16,400	15,600	14,900	11,600	175
180	30.7	105.8	15,300	14,600	13,900	10,800	180
185	27.8	96.7	14,200	13,600	13,000	10,100	185
190	24.5	86.2	13,200	12,700	12,100	9,400	190
195	20.8	73.8	12,300	11,800	11,300	8,700	195
200	16.2	58.3	11,400	10,900	10,500	8,000	200



Liftcrane Boom Capacities

Boom No. 76
168,000 lb Crane Counterweight
Pedestal Mount
0 Degree thru 3 Degree Static Machine List
360 Degree Rating

14000 SERIES 2

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
213.2 ft							
34	82.5	215.0	133,900				34
36	82.0	214.7	132,700	106,700			36
38	81.4	214.4	131,400	106,200			38
40	80.9	214.1	130,100	104,200	79,000		40
42	80.3	213.7	128,800	102,400	78,900		42
44	79.8	213.3	125,700	100,400	78,700	61,500	44
46	79.2	212.9	119,500	98,400	78,500	61,400	46
48	78.7	212.5	113,800	96,400	78,300	61,300	48
50	78.1	212.1	108,600	94,500	78,200	61,200	50
55	76.8	210.9	97,100	88,400	76,700	60,900	55
60	75.4	209.6	87,400	80,100	73,300	60,700	60
65	74.0	208.2	79,300	72,900	67,500	58,100	65
70	72.6	206.6	72,200	66,700	61,900	52,800	70
75	71.2	204.9	66,100	61,200	57,000	48,200	75
80	69.7	203.1	60,700	56,400	52,600	44,200	80
85	68.3	201.1	55,900	52,100	48,700	40,700	85
90	66.8	199.0	51,600	48,200	45,200	37,500	90
95	65.3	196.7	47,800	44,800	42,000	34,700	95
100	63.9	194.3	44,400	41,600	39,100	32,100	100
105	62.3	191.7	41,200	38,700	36,400	29,800	105
110	60.8	188.9	38,400	36,100	34,000	27,700	110
115	59.2	185.9	35,800	33,700	31,800	25,800	115
120	57.7	182.8	33,400	31,500	29,700	24,100	120
125	56.0	179.5	31,200	29,400	27,800	22,400	125
130	54.4	175.9	29,100	27,500	26,000	20,900	130
135	52.7	172.1	27,200	25,800	24,300	19,600	135
140	51.0	168.1	25,500	24,100	22,800	18,300	140
145	49.2	163.8	23,800	22,600	21,300	17,100	145
150	47.4	159.3	22,300	21,100	20,000	16,000	150
155	45.5	154.4	20,900	19,800	18,700	14,900	155
160	43.6	149.3	19,500	18,500	17,500	13,900	160
165	41.6	143.7	18,200	17,300	16,400	13,000	165
170	39.5	137.7	17,000	16,100	15,300	12,100	170
175	37.3	131.3	15,900	15,100	14,300	11,300	175
180	35.0	124.3	14,800	14,000	13,300	10,500	180
185	32.5	116.6	13,800	13,100	12,400	9,800	185
190	29.9	108.2	12,800	12,200	11,500	9,000	190
195	27.0	98.7	11,900	11,300	10,700	8,400	195
200	23.8	87.9	11,000	10,400	9,900	7,700	200
205	20.1	75.1	10,100	9,600	9,100	7,100	205
210	15.6	59.0	9,300	8,800	8,400	6,500	210



Liftcrane Boom Capacities

Boom No. 76
 168,000 lb Crane Counterweight
 Pedestal Mount
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating

14000 SERIES 2

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
223.1 ft							
34	82.9	224.9	136,200				34
36	82.3	224.6	135,700				36
38	81.8	224.3	135,100	100,400			38
40	81.3	224.0	134,500	100,300			40
42	80.8	223.7	131,500	100,300	73,600		42
44	80.2	223.3	124,700	100,200	73,600		44
46	79.7	223.0	118,600	99,300	73,600	56,900	46
48	79.2	222.6	112,900	98,000	73,600	56,900	48
50	78.7	222.1	107,700	96,900	73,500	56,900	50
55	77.4	221.0	96,200	87,100	73,500	56,800	55
60	76.0	219.8	86,500	78,900	72,400	56,900	60
65	74.7	218.4	78,300	71,800	66,100	56,900	65
70	73.4	217.0	71,300	65,600	60,600	52,200	70
75	72.0	215.4	65,100	60,100	55,700	47,600	75
80	70.7	213.6	59,800	55,300	51,400	43,600	80
85	69.3	211.7	55,000	51,000	47,500	40,000	85
90	67.9	209.7	50,700	47,200	44,000	36,900	90
95	66.5	207.6	46,900	43,700	40,800	34,000	95
100	65.1	205.2	43,500	40,600	38,000	31,500	100
105	63.7	202.8	40,300	37,700	35,300	29,200	105
110	62.2	200.2	37,500	35,100	32,900	27,100	110
115	60.7	197.4	34,900	32,700	30,700	25,200	115
120	59.3	194.4	32,500	30,500	28,600	23,400	120
125	57.7	191.3	30,300	28,500	26,700	21,800	125
130	56.2	188.0	28,300	26,600	25,000	20,300	130
135	54.6	184.4	26,400	24,800	23,300	18,900	135
140	53.0	180.7	24,600	23,200	21,800	17,700	140
145	51.4	176.8	23,000	21,600	20,300	16,500	145
150	49.7	172.6	21,400	20,200	19,000	15,300	150
155	48.0	168.1	20,000	18,800	17,700	14,300	155
160	46.2	163.3	18,600	17,600	16,500	13,300	160
165	44.4	158.3	17,400	16,400	15,400	12,400	165
170	42.5	152.9	16,200	15,200	14,300	11,500	170
175	40.5	147.1	15,000	14,100	13,300	10,700	175
180	38.5	141.0	13,900	13,100	12,300	9,900	180
185	36.4	134.3	12,900	12,200	11,400	9,100	185
190	34.1	127.1	12,000	11,200	10,600	8,400	190
195	31.7	119.2	11,000	10,400	9,700	7,800	195
200	29.1	110.4	10,100	9,500	9,000	7,100	200
205	26.3	100.7	9,300	8,700	8,200	6,500	205
210	23.2	89.5	8,500	8,000	7,500	5,900	210
215	19.5	76.3	7,700	7,200	6,800	5,400	215
220	15.1	59.7	6,900	6,500	6,100	4,800	220



Liftcrane Boom Capacities

Boom No. 76
168,000 lb Crane Counterweight
Pedestal Mount
0 Degree thru 3 Degree Static Machine List
360 Degree Rating

14000 SERIES 2

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
232.9 ft							
36	82.7	234.6	122,600				36
38	82.2	234.3	122,100				38
40	81.7	234.0	121,600	91,100			40
42	81.2	233.7	121,000	91,000			42
44	80.7	233.3	120,500	91,000	66,700		44
46	80.2	233.0	118,900	90,900	66,700		46
48	79.7	232.6	113,200	90,900	66,600	51,300	48
50	79.2	232.2	108,000	90,700	66,600	51,300	50
55	77.9	231.1	96,500	87,100	66,600	51,300	55
60	76.6	230.0	86,800	78,900	66,500	51,300	60
65	75.4	228.7	78,600	71,800	66,000	51,300	65
70	74.1	227.2	71,600	65,600	60,500	51,200	70
75	72.8	225.7	65,400	60,200	55,700	47,800	75
80	71.5	224.0	60,000	55,400	51,400	43,800	80
85	70.2	222.2	55,300	51,200	47,500	40,200	85
90	68.9	220.3	51,000	47,300	44,000	37,100	90
95	67.6	218.3	47,200	43,900	40,900	34,300	95
100	66.2	216.1	43,800	40,800	38,000	31,700	100
105	64.9	213.8	40,600	37,900	35,400	29,400	105
110	63.5	211.3	37,800	35,300	33,000	27,300	110
115	62.1	208.6	35,200	32,900	30,800	25,400	115
120	60.7	205.9	32,800	30,700	28,800	23,700	120
125	59.3	202.9	30,600	28,700	26,900	22,000	125
130	57.8	199.8	28,600	26,800	25,100	20,500	130
135	56.3	196.5	26,700	25,000	23,500	19,200	135
140	54.8	193.0	24,900	23,400	22,000	17,900	140
145	53.3	189.3	23,300	21,900	20,500	16,700	145
150	51.7	185.4	21,700	20,400	19,200	15,600	150
155	50.1	181.2	20,300	19,100	17,900	14,500	155
160	48.5	176.8	18,900	17,800	16,700	13,500	160
165	46.8	172.2	17,700	16,600	15,600	12,600	165
170	45.1	167.3	16,500	15,500	14,500	11,700	170
175	43.3	162.0	15,300	14,400	13,500	10,900	175
180	41.5	156.4	14,300	13,400	12,600	10,100	180
185	39.6	150.5	13,200	12,400	11,700	9,400	185
190	37.6	144.1	12,300	11,500	10,800	8,700	190
195	35.5	137.2	11,400	10,700	10,000	8,000	195
200	33.3	129.7	10,500	9,800	9,200	7,400	200
205	30.9	121.6	9,600	9,000	8,400	6,800	205
210	28.4	112.6	8,800	8,300	7,700	6,200	210
215	25.6	102.6	8,100	7,500	7,000	5,600	215
220	22.5	91.1	7,300	6,800	6,400	5,100	220
225	19.0	77.5	6,600	6,200	5,800	4,600	225



Liftcrane Boom Capacities

Boom No. 76
 168,000 lb Crane Counterweight
 Pedestal Mount
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating

14000 SERIES 2

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
242.8 ft							
36	83.0	244.5	112,500				36
38	82.5	244.2	111,000				38
40	82.0	243.9	110,600	82,700			40
42	81.5	243.6	110,000	82,700			42
44	81.0	243.3	109,500	82,600			44
46	80.6	243.0	109,000	82,500	60,200		46
48	80.1	242.6	108,500	82,500	60,100		48
50	79.6	242.2	107,500	82,400	60,000	45,900	50
55	78.4	241.2	96,000	82,200	60,000	45,900	55
60	77.2	240.1	86,400	78,100	59,900	45,800	60
65	76.0	238.8	78,200	71,100	59,900	45,800	65
70	74.8	237.5	71,100	65,000	59,700	45,800	70
75	73.5	236.0	65,000	59,600	54,900	45,700	75
80	72.3	234.4	59,600	54,800	50,600	43,500	80
85	71.0	232.7	54,800	50,600	46,800	39,900	85
90	69.8	230.9	50,600	46,800	43,300	36,800	90
95	68.5	228.9	46,800	43,300	40,200	33,900	95
100	67.2	226.9	43,300	40,200	37,400	31,400	100
105	65.9	224.6	40,200	37,400	34,800	29,100	105
110	64.6	222.3	37,300	34,800	32,400	27,000	110
115	63.3	219.8	34,700	32,400	30,200	25,100	115
120	62.0	217.1	32,300	30,200	28,200	23,300	120
125	60.6	214.3	30,100	28,100	26,300	21,700	125
130	59.3	211.4	28,100	26,300	24,500	20,200	130
135	57.9	208.3	26,200	24,500	22,900	18,800	135
140	56.5	205.0	24,500	22,900	21,400	17,600	140
145	55.0	201.5	22,800	21,300	19,900	16,400	145
150	53.6	197.8	21,300	19,900	18,600	15,200	150
155	52.1	194.0	19,800	18,600	17,300	14,200	155
160	50.6	189.9	18,500	17,300	16,200	13,200	160
165	49.0	185.6	17,200	16,100	15,000	12,300	165
170	47.4	181.0	16,000	15,000	14,000	11,400	170
175	45.8	176.2	14,900	13,900	13,000	10,600	175
180	44.1	171.1	13,800	12,900	12,000	9,800	180
185	42.3	165.7	12,800	12,000	11,100	9,100	185
190	40.5	159.9	11,800	11,000	10,300	8,400	190
195	38.7	153.7	10,900	10,200	9,400	7,700	195
200	36.7	147.1	10,100	9,300	8,700	7,100	200
205	34.7	140.0	9,200	8,600	7,900	6,500	205
210	32.5	132.3	8,400	7,800	7,200	5,900	210
215	30.2	123.9	7,700	7,100	6,500	5,300	215
220	27.7	114.7	6,900	6,400	5,900	4,800	220
225	25.0	104.4	6,200	5,700	5,200	4,300	225
230	22.0	92.6	5,500	5,100	4,600		230
235	18.5	78.6	4,900	4,500	4,100		235



Liftcrane Boom Capacities

Boom No. 76
168,000 lb Crane Counterweight
Pedestal Mount
0 Degree thru 3 Degree Static Machine List
360 Degree Rating

14000 SERIES 2

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
252.6 ft							
40	82.3	253.9	100,700				40
42	81.9	253.6	100,200	75,200			42
44	81.4	253.3	99,600	75,100			44
46	80.9	253.0	99,100	75,000	54,200		46
48	80.5	252.6	98,600	75,000	54,200		48
50	80.0	252.2	98,100	74,900	54,200	41,100	50
55	78.9	251.3	95,500	74,700	54,100	41,000	55
60	77.7	250.2	85,900	74,200	54,000	41,000	60
65	76.5	249.0	77,700	70,300	53,900	40,900	65
70	75.4	247.7	70,600	64,200	53,800	40,900	70
75	74.2	246.3	64,500	58,900	53,800	40,800	75
80	73.0	244.8	59,100	54,100	49,800	40,800	80
85	71.8	243.1	54,300	49,900	46,000	39,500	85
90	70.6	241.4	50,000	46,100	42,600	36,400	90
95	69.4	239.5	46,200	42,700	39,500	33,600	95
100	68.2	237.5	42,800	39,500	36,600	31,000	100
105	66.9	235.4	39,700	36,700	34,000	28,700	105
110	65.7	233.2	36,800	34,100	31,700	26,600	110
115	64.4	230.8	34,200	31,700	29,500	24,700	115
120	63.2	228.3	31,800	29,600	27,500	23,000	120
125	61.9	225.6	29,600	27,500	25,600	21,300	125
130	60.6	222.8	27,600	25,600	23,900	19,800	130
135	59.3	219.9	25,700	23,900	22,200	18,500	135
140	57.9	216.7	23,900	22,300	20,700	17,200	140
145	56.6	213.5	22,300	20,700	19,300	16,000	145
150	55.2	210.0	20,800	19,300	18,000	14,900	150
155	53.8	206.4	19,300	18,000	16,700	13,800	155
160	52.4	202.6	18,000	16,700	15,500	12,800	160
165	50.9	198.5	16,700	15,500	14,400	11,900	165
170	49.4	194.3	15,500	14,400	13,400	11,000	170
175	47.9	189.8	14,400	13,300	12,400	10,200	175
180	46.4	185.1	13,300	12,300	11,400	9,400	180
185	44.7	180.1	12,300	11,400	10,500	8,700	185
190	43.1	174.8	11,300	10,500	9,700	8,000	190
195	41.4	169.2	10,400	9,600	8,800	7,300	195
200	39.6	163.2	9,500	8,800	8,100	6,700	200
205	37.8	156.9	8,700	8,000	7,300	6,100	205
210	35.9	150.1	7,900	7,300	6,600	5,500	210
215	33.9	142.8	7,200	6,500	5,900	5,000	215
220	31.8	134.9	6,400	5,800	5,300	4,500	220
225	29.5	126.2	5,700	5,200	4,700		225
230	27.1	116.8	5,100	4,600	4,100		230
235	24.4	106.1	4,400				235



Liftcrane Boom Capacities

Boom No. 76
168,000 lb Crane Counterweight
Pedestal Mount
0 Degree thru 3 Degree Static Machine List
360 Degree Rating

14000 SERIES 2

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
262.5 ft							
40	82.6	263.8	91,000				40
42	82.2	263.5	90,500				42
44	81.7	263.2	90,000	68,200			44
46	81.3	262.9	89,500	68,100			46
48	80.8	262.6	89,100	68,000	48,900		48
50	80.4	262.2	88,600	67,900	48,800		50
55	79.3	261.3	87,500	67,700	48,700	36,600	55
60	78.2	260.3	85,200	67,500	48,600	36,500	60
65	77.1	259.1	77,000	65,000	48,500	36,500	65
70	75.9	257.9	69,900	62,500	48,400	36,400	70
75	74.8	256.5	63,800	58,000	48,300	36,300	75
80	73.7	255.1	58,400	53,300	48,200	36,300	80
85	72.5	253.5	53,600	49,000	45,000	36,300	85
90	71.4	251.8	49,400	45,300	41,600	35,900	90
95	70.2	250.0	45,500	41,800	38,500	33,100	95
100	69.0	248.1	42,100	38,700	35,700	30,500	100
105	67.9	246.1	39,000	35,900	33,200	28,200	105
110	66.7	244.0	36,100	33,300	30,800	26,100	110
115	65.5	241.7	33,500	31,000	28,600	24,200	115
120	64.3	239.3	31,100	28,800	26,600	22,500	120
125	63.0	236.8	28,900	26,800	24,800	20,900	125
130	61.8	234.1	26,900	24,900	23,000	19,400	130
135	60.6	231.3	25,000	23,100	21,400	18,000	135
140	59.3	228.3	23,200	21,500	19,900	16,700	140
145	58.0	225.2	21,600	20,000	18,500	15,500	145
150	56.7	222.0	20,100	18,600	17,200	14,400	150
155	55.4	218.5	18,600	17,200	15,900	13,300	155
160	54.0	214.9	17,300	16,000	14,700	12,300	160
165	52.7	211.1	16,000	14,800	13,600	11,400	165
170	51.3	207.2	14,800	13,700	12,600	10,600	170
175	49.8	203.0	13,700	12,600	11,600	9,700	175
180	48.4	198.6	12,600	11,600	10,600	9,000	180
185	46.9	193.9	11,600	10,700	9,800	8,200	185
190	45.4	189.0	10,700	9,800	8,900	7,500	190
195	43.8	183.9	9,700	8,900	8,100	6,900	195
200	42.2	178.4	8,900	8,100	7,300	6,200	200
205	40.5	172.6	8,000	7,300	6,600	5,600	205
210	38.8	166.5	7,300	6,500	5,900	5,100	210
215	37.0	160.0	6,500	5,800	5,200	4,500	215
220	35.1	153.0	5,800	5,100	4,500	4,000	220
225	33.1	145.4	5,100	4,500			225
230	31.1	137.3	4,400				230



Liftcrane Boom Capacities

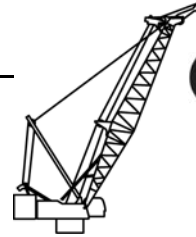
Boom No. 76
168,000 lb Crane Counterweight
Pedestal Mount
0 Degree thru 3 Degree Static Machine List
360 Degree Rating

14000 SERIES 2

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
272.3 ft							
40	82.9	273.8	85,500				40
42	82.5	273.5	85,100				42
44	82.0	273.2	84,700	62,900			44
46	81.6	272.9	84,300	62,900			46
48	81.2	272.6	83,900	62,800			48
50	80.7	272.2	83,500	62,700	44,600		50
55	79.7	271.3	82,500	62,600	44,500	33,100	55
60	78.6	270.3	81,400	62,400	44,500	33,100	60
65	77.5	269.2	76,400	62,300	44,400	33,100	65
70	76.4	268.0	69,300	62,200	44,400	33,000	70
75	75.4	266.7	63,200	57,200	44,300	33,000	75
80	74.3	265.3	57,800	52,500	44,200	32,900	80
85	73.2	263.8	53,000	48,300	44,200	32,900	85
90	72.1	262.2	48,800	44,500	40,800	32,900	90
95	71.0	260.5	45,000	41,100	37,800	32,700	95
100	69.8	258.7	41,500	38,100	35,000	30,100	100
105	68.7	256.7	38,400	35,300	32,400	27,800	105
110	67.6	254.7	35,600	32,700	30,100	25,700	110
115	66.4	252.5	33,000	30,300	27,900	23,800	115
120	65.3	250.2	30,600	28,100	25,900	22,100	120
125	64.1	247.8	28,400	26,100	24,100	20,500	125
130	62.9	245.3	26,300	24,300	22,400	19,000	130
135	61.7	242.6	24,500	22,500	20,700	17,600	135
140	60.5	239.8	22,700	20,900	19,200	16,300	140
145	59.3	236.8	21,100	19,400	17,800	15,100	145
150	58.1	233.7	19,500	18,000	16,500	14,000	150
155	56.8	230.5	18,100	16,600	15,300	12,900	155
160	55.5	227.1	16,800	15,400	14,100	12,000	160
165	54.2	223.5	15,500	14,200	13,000	11,000	165
170	52.9	219.7	14,300	13,100	12,000	10,200	170
175	51.6	215.8	13,200	12,000	11,000	9,400	175
180	50.2	211.6	12,100	11,000	10,000	8,600	180
185	48.8	207.3	11,100	10,100	9,200	7,900	185
190	47.4	202.7	10,100	9,200	8,300	7,200	190
195	45.9	197.9	9,200	8,300	7,500	6,500	195
200	44.4	192.9	8,400	7,500	6,700	5,900	200
205	42.9	187.6	7,500	6,700	6,000	5,300	205
210	41.3	181.9	6,700	6,000	5,300	4,600	210
215	39.7	176.0	6,000	5,300	4,600	4,000	215
220	38.0	169.7	5,300	4,600	4,000		220
225	36.2	162.9	4,600	4,000			225

Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

Boom No. 76
 168,000 lb Crane Counterweight
 Pedestal Mount
 0 Degree thru 3 Degree Static Machine List
 360 Degree Rating

14000 SERIES 2

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
282.1 ft						
42	82.7	283.4	78,400			42
44	82.3	283.1	78,000			44
46	81.9	282.9	77,600	57,500		46
48	81.5	282.5	77,300	57,400		48
50	81.1	282.2	76,900	57,300		50
55	80.0	281.4	76,000	57,200	40,300	55
60	79.0	280.4	75,000	57,100	40,200	60
65	78.0	279.3	74,100	56,900	40,200	65
70	76.9	278.2	68,800	56,800	40,100	70
75	75.9	276.9	62,700	56,500	40,100	75
80	74.8	275.6	57,300	51,900	40,000	80
85	73.8	274.1	52,500	47,700	39,900	85
90	72.7	272.6	48,300	43,900	39,900	90
95	71.6	270.9	44,500	40,500	37,100	95
100	70.6	269.2	41,000	37,500	34,300	100
105	69.5	267.3	37,900	34,700	31,800	105
110	68.4	265.3	35,100	32,100	29,400	110
115	67.3	263.2	32,500	29,800	27,300	115
120	66.2	261.0	30,100	27,600	25,300	120
125	65.1	258.7	27,900	25,600	23,400	125
130	63.9	256.3	25,900	23,700	21,700	130
135	62.8	253.8	24,000	22,000	20,100	135
140	61.6	251.1	22,200	20,400	18,600	140
145	60.5	248.2	20,600	18,900	17,200	145
150	59.3	245.3	19,000	17,400	15,900	150
155	58.1	242.2	17,600	16,100	14,700	155
160	56.9	238.9	16,300	14,900	13,500	160
165	55.7	235.6	15,000	13,700	12,400	165
170	54.4	232.0	13,800	12,600	11,400	170
175	53.2	228.3	12,700	11,500	10,400	175
180	51.9	224.4	11,600	10,500	9,500	180
185	50.6	220.3	10,600	9,600	8,600	185
190	49.2	216.0	9,700	8,700	7,700	190
195	47.9	211.5	8,700	7,800	6,900	195
200	46.5	206.8	7,900	7,000	6,200	200
205	45.0	201.9	7,100	6,200	5,400	205
210	43.6	196.7	6,300	5,500	4,700	210
215	42.1	191.2	5,500	4,800	4,100	215
220	40.5	185.4	4,800	4,100		220
225	38.9	179.3	4,100			225



Liftcrane Boom Capacities

Boom No. 76
168,000 lb Crane Counterweight
Pedestal Mount
0 Degree thru 3 Degree Static Machine List
360 Degree Rating

14000 SERIES 2

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
292.0 ft			
42	83.0	293.4	72,300
44	82.6	293.1	71,900
46	82.2	292.8	71,500
48	81.8	292.5	71,200
50	81.4	292.2	70,800
55	80.4	291.4	70,000
60	79.4	290.4	69,000
65	78.4	289.4	68,200
70	77.4	288.3	67,200
75	76.4	287.1	62,200
80	75.4	285.8	56,800
85	74.3	284.4	52,000
90	73.3	282.9	47,700
95	72.3	281.3	43,900
100	71.2	279.6	40,500
105	70.2	277.8	37,400
110	69.2	275.9	34,500
115	68.1	273.9	31,900
120	67.0	271.8	29,500
125	66.0	269.6	27,300
130	64.9	267.3	25,300
135	63.8	264.8	23,400
140	62.7	262.2	21,700
145	61.6	259.5	20,000
150	60.4	256.7	18,500
155	59.3	253.8	17,100
160	58.1	250.7	15,700
165	57.0	247.4	14,500
170	55.8	244.1	13,300
175	54.6	240.5	12,100
180	53.4	236.8	11,100
185	52.1	233.0	10,100
190	50.9	228.9	9,100
195	49.6	224.7	8,200
200	48.3	220.3	7,300
205	46.9	215.6	6,500
210	45.6	210.8	5,700
215	44.2	205.7	5,000
220	42.7	200.3	4,300