

**Manitowoc Cranes, Inc.**

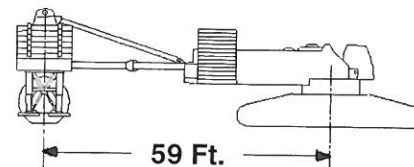
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
492,000 Lb. Crane Counterweight
320,000 Lb. Carbody Counterweight
0 Lb. thru 860,000 Lb. Wheeled Counterweight
at 59 Ft. Position
360 Degree Rating

Meets
ANSI B30.5
Requirements

18000 With
21000 MAX-ER



LIFTING CAPACITIES: Lifting capacities for various boom lengths and operating radii are for freely suspended loads and do not exceed 75% of a static tipping load. Capacities based on structural competence are denoted by an asterisk (*).

Note 1: Capacities above 1,322,800 Lbs. thru 1,543,300 Lbs. require 55A boom top.

Note 2: Capacities above 1,543,300 Lbs. require special equipment. Capacities above 1,322,800 Lbs. thru 1,543,300 Lbs. require 55A boom top.

Wheeled counterweight must be attached to shear frame and MAX-ER mode must be selected to operate. Swing and travel (forward or side crawl) requires proper position of counterweight wheels when contacting ground. Refer to operators manual for wheel positioning. Exit MAX-ER mode before operating without wheeled counterweight.

Simultaneous hoisting of both load drums is required for even block travel.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom point sheaves, is considered part of main boom load. Boom is not to be lowered beyond radii where combined weights are greater than rated capacity. Where no capacity is shown, operation is not intended or approved.

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with mast up. Refer to boom rigging **No. A05377**, Wire Rope Specification chart **No. 8573-A** or **8573-B** and Counterweight Arrangement chart **No. 8577-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting

Maximum Boom Lengths Lifted Unassisted	
Over End of Blocked Crawlers	Over End or Side of Unblocked Crawlers
With 0 Lb. Wheeled Counterweight	
320 Ft.	300 Ft.
Over End or Side of Unblocked Crawlers	
With 244,000 Lb. Wheeled Counterweight	With 464,000 Lb. - 860,000 Lb. Wheeled Counterweight
400 Ft.	440 Ft.
Load block, hook and weight ball on ground at start.	

or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface and boom within boom angle range shown in capacity chart. Refer to Swing and Travel Specification chart **No. 8574-A**.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation 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 ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with MAX-ER, 38 Ft. 9 in. crawlers, 60 in. treads, 30 Ft. live mast, 140 Ft. mast, 16 part boom hoist reeving, boom support straps, 492,000 Lb. crane counterweight, 320,000 Lb. carbody counterweight and wheeled counterweight as specified.

WARNING: Check amount of wheeled counterweight on machine before use of this chart. Refer to Counterweight Assembly.

Upper Boom Point Capacity For Liftcrane Service - Whip Line		
28 mm	32 mm	
Drum 2	Drum 3	Drum 2
Single Part Line		
35,800 Lb.	30,000 Lb.	48,800 Lb.
Two Part Line		
Upper Boom Point No. 170419		
60,000 Lb.	60,000 Lb.	60,000 Lb.
Upper Boom Point No. A08516		
71,600 Lb.	60,000 Lb.	97,600 Lb.
In all cases, upper boom point capacities cannot exceed those listed for main boom capacity.		

**Manitowoc Cranes, Inc.**

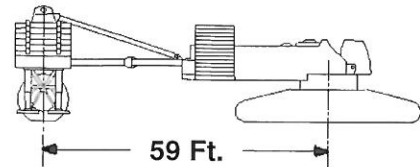
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. thru 860,000 Lb. Wheeled Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**

**140 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	244,000 Lb. Wheeled Counterweight Boom Capacity Pounds	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
28	82.6	149.6	1,070,100*	1,442,600* ¹	1,653,500* ²	1,653,500* ²	1,653,500* ²	1,653,500* ²	28
30	81.7	149.2	999,800*	1,349,100* ¹	1,543,300* ¹	1,653,500* ²	1,653,500* ²	1,653,500* ²	30
32	80.9	148.8	937,600*	1,266,400*	1,540,800* ¹	1,653,500* ²	1,653,500* ²	1,653,500* ²	32
34	80.1	148.4	882,400*	1,193,000*	1,452,200* ¹	1,543,300* ¹	1,653,500* ²	1,653,500* ²	34
36	79.2	148.0	833,000*	1,127,200*	1,372,800* ¹	1,519,800* ¹	1,653,500* ²	1,653,500* ²	36
38	78.4	147.5	788,400*	1,068,000*	1,301,400*	1,441,000* ¹	1,543,300* ¹	1,653,500* ²	38
40	77.5	147.0	748,200*	1,014,500*	1,236,700*	1,369,700* ¹	1,543,300* ¹	1,543,300* ¹	40
45	75.4	145.6	659,600*	900,400*	1,099,100*	1,217,900*	1,376,500* ¹	1,455,600* ¹	45
50	73.3	144.0	584,600*	808,300*	987,800*	1,095,300*	1,238,600*	1,310,100*	50
55	71.1	142.2	523,700*	732,200*	896,100*	994,100*	1,124,900*	1,190,100*	55
60	68.9	140.2	473,300*	668,400*	819,000*	909,200*	1,029,400*	1,089,400*	60
65	66.6	137.9	430,900*	614,100*	753,500*	836,900*	948,200*	1,003,700*	65
70	64.4	135.4	394,700*	567,300*	697,000*	774,600*	878,200*	929,900*	70
75	62.0	132.7	363,500*	526,500*	647,800*	720,400*	817,300*	865,600*	75
80	59.6	129.7	336,200*	490,700*	604,600*	672,800*	763,800*	809,200*	80
85	57.2	126.4	310,400	457,500*	566,400*	630,600*	716,400*	759,200*	85
90	54.6	122.7	285,800	427,900*	532,300*	593,000*	674,100*	714,600*	90
95	52.0	118.7	264,200	401,600*	501,600*	559,300*	636,200*	674,500*	95
100	49.3	114.3	245,100	377,900*	474,000*	528,800*	601,900*	638,400*	100
105	46.5	109.5	228,100	356,400*	448,900*	501,200*	570,900*	605,700*	105
110	43.5	104.1	212,900	337,000*	426,000*	476,000*	542,600*	568,600*	110
115	40.3	98.1	199,100	319,200*	405,100*	452,900*	512,400*	534,200*	115
120	36.8	91.4	186,600	302,900*	385,800*	431,700*	481,500*	502,200*	120
125	33.1	83.6	175,200	287,900*	368,100*	412,100*	452,600*	472,200*	125
130	28.8	74.6	164,800	274,100*	351,600*	387,800*	425,100*	443,600*	130
135	23.9	63.5	155,100	261,200*	336,300*	363,000*	398,300*	415,900*	135
140	17.5	48.8	146,200	249,200*	312,700*	337,600*	370,900*	387,500*	140

Note 1: Capacities above 1,322,800 Lbs. thru 1,543,300 Lbs.
require 55A boom top.

Note 2: Capacities above 1,543,300 Lbs. require special
equipment. Capacities above 1,322,800 Lbs. thru
1,543,300 Lbs. require 55A boom top.

**Manitowoc Cranes, Inc.**

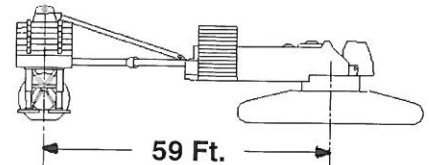
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. thru 860,000 Lb. Wheeled Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**

**160 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	244,000 Lb. Wheeled Counterweight Boom Capacity Pounds	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
30	82.8	169.5	995,800*	1,345,100* ¹	1,543,300* ¹	1,543,300* ¹	1,543,300* ¹	1,543,300* ¹	30
32	82.0	169.1	933,700*	1,262,500*	1,536,900* ¹	1,543,300* ¹	1,543,300* ¹	1,543,300* ¹	32
34	81.3	168.8	878,500*	1,189,100*	1,448,300* ¹	1,543,300* ¹	1,543,300* ¹	1,543,300* ¹	34
36	80.6	168.4	829,100*	1,123,400*	1,369,000* ¹	1,515,900* ¹	1,543,300* ¹	1,543,300* ¹	36
38	79.9	168.0	784,600*	1,064,200*	1,297,600*	1,437,200* ¹	1,543,300* ¹	1,543,300* ¹	38
40	79.1	167.6	744,400*	1,010,700*	1,232,900*	1,365,900* ¹	1,543,300* ¹	1,543,300* ¹	40
45	77.3	166.4	656,400*	896,700*	1,095,400*	1,214,200*	1,372,800* ¹	1,451,900* ¹	45
50	75.4	165.0	581,400*	804,600*	984,200*	1,091,600*	1,235,000*	1,306,500*	50
55	73.6	163.4	520,500*	728,600*	892,500*	990,500*	1,121,300*	1,186,500*	55
60	71.7	161.7	470,100*	664,900*	815,500*	905,600*	1,025,900*	1,085,900*	60
65	69.7	159.8	427,700*	610,600*	750,000*	833,400*	944,700*	1,000,200*	65
70	67.8	157.6	391,600*	563,800*	693,600*	771,200*	874,700*	926,400*	70
75	65.8	155.3	360,300*	523,100*	644,400*	717,000*	813,900*	862,200*	75
80	63.8	152.8	333,100*	487,300*	601,300*	669,400*	760,400*	805,800*	80
85	61.8	150.0	308,200	454,400*	563,000*	627,300*	713,000*	755,800*	85
90	59.7	147.0	283,600	424,800*	528,900*	589,700*	670,800*	711,200*	90
95	57.5	143.7	261,900	398,500*	498,400*	556,000*	632,900*	671,300*	95
100	55.3	140.2	242,800	374,800*	470,700*	525,600*	598,700*	635,200*	100
105	53.1	136.4	225,800	353,400*	445,700*	498,000*	567,700*	602,500*	105
110	50.8	132.2	210,600	334,000*	422,900*	472,800*	539,400*	572,600*	110
115	48.3	127.7	196,800	316,300*	402,000*	449,800*	513,500*	545,400*	115
120	45.8	122.7	184,400	300,000*	382,800*	428,600*	489,800*	520,300*	120
125	43.2	117.3	173,000	285,100*	365,100*	409,100*	467,900*	497,200*	125
130	40.4	111.4	162,600	271,300*	348,700*	391,100*	447,600*	472,200*	130
135	37.4	104.8	153,100	258,600*	333,500*	374,300*	427,400*	446,200*	135
140	34.3	97.4	144,200	246,700*	319,300*	358,700*	403,700*	421,600*	140
145	30.8	89.0	136,100	235,600*	305,900*	344,200*	381,200*	398,400*	145
150	26.8	79.2	128,500	225,300*	293,200*	326,800*	359,600*	375,900*	150
155	22.2	67.2	121,300	215,600*	281,200*	307,000*	338,200*	353,800*	155
160	16.2	51.3	114,600	206,400*	264,300*	286,500*	316,100*	330,800*	160

Note 1: Capacities above 1,322,800 Lbs. thru 1,543,300 Lbs.
require 55A boom top.

**Manitowoc Cranes, Inc.**

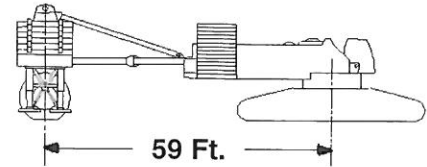
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
492,000 Lb. Crane Counterweight
320,000 Lb. Carbody Counterweight
0 Lb. thru 860,000 Lb. Wheeled Counterweight
at 59 Ft. Position
360 Degree Rating

Meets
ANSI B30.5
Requirements

18000 With
21000 MAX-ER

**180 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	244,000 Lb. Wheeled Counterweight Boom Capacity Pounds	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
32	82.9	189.4	930,700*	1,259,500*	1,509,800* 1	1,509,800* 1	1,509,800* 1	1,509,800* 1	32
34	82.3	189.1	875,500*	1,186,100*	1,445,300* 1	1,509,800* 1	1,509,800* 1	1,509,800* 1	34
36	81.6	188.7	826,200*	1,120,400*	1,366,000* 1	1,509,800* 1	1,509,800* 1	1,509,800* 1	36
38	81.0	188.4	781,700*	1,061,300*	1,294,600*	1,434,300* 1	1,509,800* 1	1,509,800* 1	38
40	80.3	188.0	741,500*	1,007,800*	1,230,100*	1,363,000* 1	1,509,800* 1	1,509,800* 1	40
45	78.7	186.9	653,900*	893,900*	1,092,600*	1,211,400*	1,370,000* 1	1,449,100* 1	45
50	77.1	185.7	578,900*	801,900*	981,500*	1,088,900*	1,232,200*	1,303,800*	50
55	75.4	184.4	518,100*	725,900*	889,800*	987,800*	1,118,600*	1,183,900*	55
60	73.8	182.8	467,700*	662,200*	812,900*	903,000*	1,023,200*	1,083,300*	60
65	72.1	181.1	425,400*	608,000*	747,400*	830,800*	942,100*	997,600*	65
70	70.4	179.3	389,200*	561,200*	691,000*	768,600*	872,200*	923,900*	70
75	68.7	177.3	358,000*	520,500*	641,900*	714,500*	811,300*	859,700*	75
80	66.9	175.1	330,800*	484,800*	598,700*	666,900*	757,900*	803,300*	80
85	65.2	172.7	306,600	452,100*	560,500*	624,800*	710,500*	753,300*	85
90	63.4	170.1	281,900	422,600*	526,500*	587,300*	668,300*	708,800*	90
95	61.6	167.3	260,300	396,200*	495,900*	553,600*	630,500*	668,800*	95
100	59.7	164.3	241,200	372,600*	468,300*	523,200*	596,300*	632,800*	100
105	57.8	161.1	224,100	351,200*	443,300*	495,600*	565,300*	600,100*	105
110	55.9	157.6	208,900	331,800*	420,500*	470,500*	537,100*	570,300*	110
115	53.9	153.9	195,100	314,100*	399,700*	447,500*	511,200*	543,000*	115
120	51.9	149.9	182,700	297,900*	380,500*	426,300*	487,500*	518,000*	120
125	49.8	145.6	171,300	283,000*	362,800*	406,900*	465,600*	494,900*	125
130	47.6	141.0	160,900	269,200*	346,500*	388,900*	445,400*	473,600*	130
135	45.3	136.0	151,400	256,500*	331,300*	372,100*	426,600*	453,800*	135
140	43.0	130.5	142,600	244,700*	317,200*	356,600*	409,100*	435,400*	140
145	40.5	124.6	134,500	233,700*	303,900*	342,100*	392,800*	418,200*	145
150	37.9	118.1	126,900	223,400*	291,300*	328,500*	377,600*	399,500*	150
155	35.1	111.0	119,900	213,800*	279,400*	315,800*	362,500*	379,100*	155
160	32.2	103.0	113,300	204,700*	268,300*	303,800*	343,800*	359,600*	160
170	25.2	83.5	101,400	188,200*	248,000*	279,000*	308,200*	322,800*	170
180	15.2	53.8	90,700	173,300*	225,800*	245,800*	272,400*	285,700*	180

Note 1: Capacities above 1,322,800 Lbs. thru 1,543,300 Lbs. require 55A boom top.

**Manitowoc Cranes, Inc.**

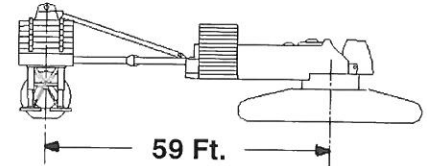
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. thru 860,000 Lb. Wheeled Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**

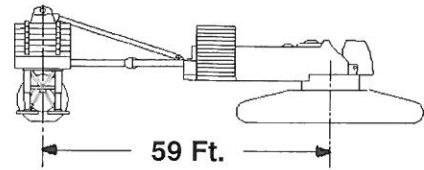
**200 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	244,000 Lb. Wheeled Counterweight Boom Capacity Pounds	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
36	82.5	209.0	822,700*	1,117,000*	1,362,600* ¹	1,366,400* ¹	1,366,400* ¹	1,366,400* ¹	36
38	81.9	208.7	778,300*	1,057,900*	1,291,200*	1,366,400* ¹	1,366,400* ¹	1,366,400* ¹	38
40	81.3	208.3	738,000*	1,004,300*	1,226,600*	1,359,600* ¹	1,366,400* ¹	1,366,400* ¹	40
45	79.9	207.4	650,900*	890,400*	1,089,000*	1,207,900*	1,366,400* ¹	1,366,400* ¹	45
50	78.4	206.3	575,800*	798,300*	977,900*	1,085,300*	1,228,600*	1,300,200*	50
55	76.9	205.1	514,900*	722,300*	886,200*	984,200*	1,115,000*	1,180,200*	55
60	75.4	203.7	464,500*	658,600*	809,200*	899,400*	1,019,600*	1,079,600*	60
65	73.9	202.2	422,000*	604,300*	743,700*	827,200*	938,400*	994,000*	65
70	72.4	200.6	385,800*	557,500*	687,300*	764,900*	868,500*	920,200*	70
75	70.9	198.8	354,600*	516,800*	638,200*	710,800*	807,600*	856,000*	75
80	69.4	196.8	327,300*	481,100*	595,000*	663,200*	754,200*	799,500*	80
85	67.8	194.7	303,400*	448,600*	556,800*	621,100*	706,800*	749,600*	85
90	66.3	192.5	279,300	419,100*	522,800*	583,500*	664,600*	705,100*	90
95	64.7	190.0	257,600	392,700*	492,200*	549,800*	626,700*	665,100*	95
100	63.1	187.4	238,400	369,000*	464,600*	519,400*	592,500*	629,000*	100
105	61.4	184.6	221,300	347,700*	439,600*	491,800*	561,500*	596,300*	105
110	59.7	181.6	206,000	328,200*	416,800*	466,700*	533,300*	566,500*	110
115	58.0	178.5	192,200	310,500*	395,900*	443,700*	507,500*	539,300*	115
120	56.3	175.1	179,700	294,300*	376,700*	422,600*	483,700*	514,200*	120
125	54.5	171.4	168,300	279,400*	359,100*	403,100*	461,800*	491,200*	125
130	52.7	167.6	157,900	265,600*	342,700*	385,100*	441,600*	469,800*	130
135	50.9	163.4	148,300	252,900*	327,600*	368,400*	422,800*	450,000*	135
140	49.0	159.0	139,500	241,100*	313,500*	352,900*	405,400*	431,600*	140
145	47.0	154.3	131,400	230,100*	300,300*	338,400*	389,100*	414,400*	145
150	45.0	149.2	123,800	219,800*	287,700*	324,800*	373,900*	398,400*	150
155	42.8	143.7	116,800	210,200*	275,900*	312,100*	359,600*	383,300*	155
160	40.6	137.9	110,200	201,200*	264,800*	300,200*	346,200*	369,200*	160
170	35.8	124.5	98,300	184,700*	244,500*	278,400*	321,700*	340,000*	170
180	30.4	108.3	87,800	170,100*	226,500*	258,900*	293,400*	307,600*	180
190	23.8	87.5	78,400	156,900*	210,300*	237,600*	264,000*	277,200*	190

Note 1: Capacities above 1,322,800 Lbs. thru 1,543,300 Lbs.
 require 55A boom top.

**Manitowoc Cranes, Inc.**

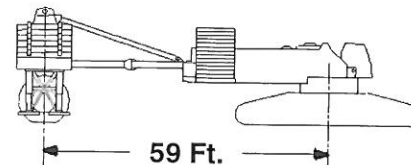
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities****Boom No. 55 or No. 55A with 140 Ft. Mast No. 56****492,000 Lb. Crane Counterweight****320,000 Lb. Carbody Counterweight****0 Lb. thru 860,000 Lb. Wheeled Counterweight****at 59 Ft. Position****360 Degree Rating**Meets
ANSI B30.5
Requirements**18000 With
21000 MAX-ER****220 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	244,000 Lb. Wheeled Counterweight Boom Capacity Pounds	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
38	82.6	228.9	774,500*	1,054,100*	1,260,600*	1,260,600*	1,260,600*	1,260,600*	38
40	82.1	228.6	734,300*	1,000,600*	1,222,800*	1,258,000*	1,258,000*	1,258,000*	40
45	80.8	227.7	647,700*	886,600*	1,085,300*	1,204,100*	1,249,100*	1,249,100*	45
50	79.5	226.8	572,500*	794,500*	974,100*	1,081,500*	1,224,900*	1,240,200*	50
55	78.1	225.7	511,500*	718,500*	882,400*	980,400*	1,111,200*	1,176,400*	55
60	76.8	224.4	461,000*	654,700*	805,400*	895,500*	1,015,800*	1,075,800*	60
65	75.5	223.1	418,600*	600,500*	739,900*	823,300*	934,600*	990,100*	65
70	74.1	221.6	382,300*	553,700*	683,500*	761,100*	864,600*	916,300*	70
75	72.7	220.0	351,000*	513,000*	634,300*	706,900*	803,800*	852,100*	75
80	71.3	218.2	323,800*	477,200*	591,200*	659,300*	750,300*	795,700*	80
85	70.0	216.4	299,800*	445,000*	553,000*	617,200*	702,900*	745,700*	85
90	68.6	214.3	276,600	415,400*	518,900*	579,700*	660,700*	701,200*	90
95	67.1	212.2	254,800	389,100*	488,300*	545,900*	622,800*	661,200*	95
100	65.7	209.9	235,500	365,400*	460,700*	515,500*	588,700*	625,200*	100
105	64.2	207.4	218,300	344,000*	435,700*	487,900*	557,700*	592,400*	105
110	62.8	204.7	203,000	324,500*	412,900*	462,800*	529,400*	562,700*	110
115	61.3	201.9	189,100	306,800*	392,000*	439,800*	503,600*	535,400*	115
120	59.8	199.0	176,600	290,600*	372,800*	418,700*	479,800*	510,400*	120
125	58.2	195.8	165,200	275,700*	355,200*	399,200*	458,000*	487,300*	125
130	56.7	192.5	154,700	261,900*	338,800*	381,200*	437,700*	465,900*	130
135	55.1	188.9	145,100	249,200*	323,700*	364,500*	419,000*	446,100*	135
140	53.4	185.1	136,300	237,400*	309,600*	349,000*	401,500*	427,700*	140
145	51.8	181.1	128,100	226,400*	296,400*	334,500*	385,200*	410,600*	145
150	50.1	176.9	120,600	216,100*	284,000*	320,900*	370,000*	394,500*	150
155	48.3	172.4	113,500	206,500*	272,200*	308,300*	355,800*	379,500*	155
160	46.5	167.6	107,000	197,500*	261,100*	296,300*	342,400*	365,400*	160
170	42.7	157.0	95,100	181,100*	240,800*	274,600*	317,900*	339,600*	170
180	38.6	144.8	84,500	166,400*	222,900*	255,100*	296,100*	316,600*	180
190	34.1	130.5	75,200	153,300*	206,700*	237,700*	276,500*	290,900*	190
200	28.9	113.3	66,800	141,400*	192,200*	221,900*	251,200*	264,100*	200
210	22.6	91.4	58,200*	130,600*	178,900*	202,500*	226,500*	238,500*	210

**Manitowoc Cranes, Inc.**

Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities****Boom No. 55 or No. 55A with 140 Ft. Mast No. 56****492,000 Lb. Crane Counterweight****320,000 Lb. Carbody Counterweight****0 Lb. thru 860,000 Lb. Wheeled Counterweight****at 59 Ft. Position****360 Degree Rating**Meets
ANSI B30.5
Requirements**18000 With
21000 MAX-ER****240 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	244,000 Lb. Wheeled Counterweight Boom Capacity Pounds	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
40	82.8	248.9	732,100*	998,400*	1,056,900*	1,056,900*	1,056,900*	1,056,900*	40
45	81.6	248.1	645,900*	884,400*	1,056,900*	1,056,900*	1,056,900*	1,056,900*	45
50	80.4	247.2	570,700*	792,300*	971,900*	1,056,900*	1,056,900*	1,056,900*	50
55	79.1	246.1	509,700*	716,300*	880,200*	978,200*	1,056,900*	1,056,900*	55
60	77.9	245.0	459,200*	652,600*	803,200*	893,400*	1,013,600*	1,056,900*	60
65	76.7	243.8	416,700*	598,300*	737,700*	821,100*	932,400*	987,900*	65
70	75.5	242.4	380,400*	551,500*	681,300*	758,900*	862,500*	914,200*	70
75	74.2	241.0	349,100*	510,800*	632,100*	704,800*	801,600*	849,900*	75
80	73.0	239.4	321,800*	475,000*	589,000*	657,200*	748,100*	793,500*	80
85	71.7	237.7	297,800*	443,000*	550,800*	615,100*	700,800*	743,600*	85
90	70.4	235.9	275,400	413,500*	516,700*	577,500*	658,600*	699,000*	90
95	69.1	233.9	253,500	387,100*	486,100*	543,800*	620,700*	659,100*	95
100	67.9	231.8	234,200	363,400*	458,600*	513,400*	586,500*	623,000*	100
105	66.5	229.6	217,000	342,000*	433,500*	485,800*	555,500*	590,300*	105
110	65.2	227.2	201,600	322,600*	410,700*	460,700*	527,300*	560,500*	110
115	63.9	224.7	187,700	304,900*	389,900*	437,700*	501,400*	533,300*	115
120	62.5	222.1	175,200	288,600*	370,700*	416,600*	477,700*	508,200*	120
125	61.2	219.3	163,700	273,700*	353,100*	397,100*	455,800*	485,200*	125
130	59.8	216.3	153,200	260,000*	336,700*	379,100*	435,600*	463,800*	130
135	58.4	213.2	143,600	247,200*	321,600*	362,400*	416,900*	444,000*	135
140	56.9	209.9	134,800	235,400*	307,500*	346,900*	399,400*	425,600*	140
145	55.5	206.4	126,600	224,400*	294,400*	332,400*	383,200*	408,500*	145
150	54.0	202.7	119,000	214,100*	282,000*	318,900*	368,000*	392,500*	150
155	52.5	198.8	112,000	204,500*	270,200*	306,200*	353,700*	377,400*	155
160	51.0	194.7	105,400	195,500*	259,100*	294,300*	340,300*	363,300*	160
170	47.7	185.7	93,500	179,100*	238,900*	272,500*	315,900*	337,500*	170
180	44.4	175.7	83,000	164,500*	221,000*	253,100*	294,100*	314,600*	180
190	40.8	164.3	73,600	151,400*	204,900*	235,700*	274,600*	294,000*	190
200	36.8	151.4	65,300	139,600*	190,400*	220,000*	256,900*	275,300*	200
210	32.5	136.3	56,900*	128,900*	177,200*	205,700*	239,600*	252,200*	210
220	27.6	118.1	48,700*	118,700*	165,200*	192,600*	217,700*	229,500*	220
230	21.6	95.0	41,000*	107,800*	154,200*	174,500*	196,600*	207,600*	230

**Manitowoc Cranes, Inc.**

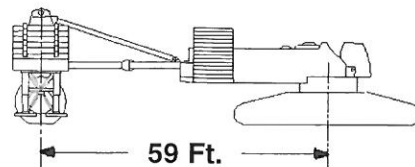
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. thru 860,000 Lb. Wheeled Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**

**260 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	244,000 Lb. Wheeled Counterweight Boom Capacity Pounds	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
45	82.2	268.3	642,300*	880,400*	894,400*	894,400*	894,400*	894,400*	45
50	81.1	267.5	567,100*	788,200*	894,400*	894,400*	894,400*	894,400*	50
55	80.0	266.6	506,000*	712,200*	876,100*	894,400*	894,400*	894,400*	55
60	78.9	265.5	455,400*	648,500*	799,100*	889,300*	894,400*	894,400*	60
65	77.7	264.4	412,900*	594,200*	733,600*	817,100*	894,400*	894,400*	65
70	76.6	263.1	376,600*	547,400*	677,200*	754,800*	858,400*	894,400*	70
75	75.5	261.8	345,300*	506,700*	628,100*	700,700*	797,500*	845,800*	75
80	74.3	260.4	318,000*	471,000*	584,900*	653,100*	744,000*	789,400*	80
85	73.2	258.8	294,000*	439,200*	546,700*	611,000*	696,700*	739,500*	85
90	72.0	257.1	272,400	409,700*	512,600*	573,400*	654,500*	694,900*	90
95	70.8	255.3	250,500	383,300*	482,100*	539,700*	616,600*	655,000*	95
100	69.7	253.4	231,100	359,500*	454,500*	509,300*	582,400*	618,900*	100
105	68.5	251.4	213,900	338,100*	429,500*	481,700*	551,400*	586,200*	105
110	67.3	249.3	198,400	318,700*	406,700*	456,600*	523,200*	556,400*	110
115	66.1	247.0	184,500	301,000*	385,800*	433,600*	497,400*	529,200*	115
120	64.8	244.6	171,900	284,700*	366,700*	412,500*	473,600*	504,200*	120
125	63.6	242.1	160,400	269,800*	349,000*	393,000*	451,800*	481,100*	125
130	62.3	239.4	149,900	256,100*	332,700*	375,000*	431,600*	459,800*	130
135	61.1	236.6	140,300	243,300*	317,500*	358,300*	412,800*	440,000*	135
140	59.8	233.6	131,400	231,500*	303,400*	342,800*	395,400*	421,600*	140
145	58.5	230.5	123,200	220,500*	290,300*	328,400*	379,100*	404,400*	145
150	57.2	227.2	115,600	210,200*	278,000*	314,800*	363,900*	388,400*	150
155	55.9	223.8	108,500	200,600*	266,300*	302,100*	349,700*	373,400*	155
160	54.5	220.2	101,900	191,600*	255,200*	290,200*	336,300*	359,300*	160
170	51.7	212.4	90,000	175,200*	235,000*	268,500*	311,900*	333,500*	170
180	48.8	203.7	79,500	160,600*	217,100*	249,100*	290,100*	310,600*	180
190	45.7	194.1	70,100	147,600*	201,000*	231,700*	270,600*	290,000*	190
200	42.5	183.4	61,400*	135,800*	186,500*	216,000*	252,900*	271,400*	200
210	39.0	171.4	52,600*	125,100*	173,400*	201,800*	236,900*	254,500*	210
220	35.3	157.6	44,500*	114,800*	161,400*	188,700*	222,400*	237,200*	220
230	31.2	141.7	37,000*	104,100*	150,500*	176,800*	205,200*	216,700*	230
240	26.4	122.7	30,100*	94,200*	140,400*	164,700*	186,400*	197,200*	240
250	20.7	98.5	23,600*	84,900*	131,100*	147,700*	168,100*	178,300*	250

**Manitowoc Cranes, Inc.**

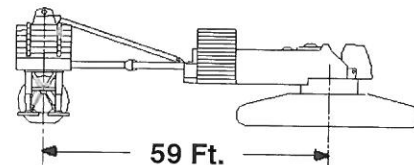
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. thru 860,000 Lb. Wheeled Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**

**280 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	244,000 Lb. Wheeled Counterweight Boom Capacity Pounds	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
45	82.8	288.5	639,700*	759,400*	759,400*	759,400*	759,400*	759,400*	45
50	81.8	287.8	564,800*	759,400*	759,400*	759,400*	759,400*	759,400*	50
55	80.7	286.9	503,700*	709,600*	759,400*	759,400*	759,400*	759,400*	55
60	79.7	286.0	453,100*	645,800*	759,400*	759,400*	759,400*	759,400*	60
65	78.6	284.9	410,600*	591,600*	731,000*	759,400*	759,400*	759,400*	65
70	77.6	283.8	374,300*	544,800*	674,600*	752,200*	759,400*	759,400*	70
75	76.5	282.5	342,900*	504,100*	625,400*	698,000*	759,400*	759,400*	75
80	75.5	281.2	315,600*	468,300*	582,300*	650,500*	741,400*	759,400*	80
85	74.4	279.7	291,600*	436,700*	544,100*	608,400*	694,100*	736,900*	85
90	73.3	278.2	270,300*	407,200*	510,000*	570,800*	651,900*	692,300*	90
95	72.3	276.5	248,700	380,800*	479,500*	537,100*	614,000*	652,400*	95
100	71.2	274.8	229,300	357,100*	451,900*	506,700*	579,800*	616,300*	100
105	70.1	272.9	212,000	335,700*	426,900*	479,100*	548,900*	583,700*	105
110	69.0	271.0	196,600	316,300*	404,100*	454,000*	520,600*	553,900*	110
115	67.9	268.9	182,600	298,600*	383,200*	431,000*	494,800*	526,600*	115
120	66.8	266.7	170,000	282,300*	364,100*	409,900*	471,100*	501,600*	120
125	65.6	264.4	158,500	267,400*	346,400*	390,500*	449,200*	478,500*	125
130	64.5	262.0	147,900	253,600*	330,100*	372,500*	429,000*	457,200*	130
135	63.3	259.4	138,300	240,900*	315,000*	355,800*	410,300*	437,400*	135
140	62.2	256.7	129,400	229,100*	300,900*	340,300*	392,800*	419,100*	140
145	61.0	253.9	121,200	218,100*	287,800*	325,800*	376,600*	401,900*	145
150	59.8	250.9	113,600	207,800*	275,500*	312,300*	361,400*	385,900*	150
155	58.6	247.8	106,500	198,200*	263,900*	299,600*	347,200*	370,900*	155
160	57.4	244.6	99,900	189,300*	252,800*	287,700*	333,800*	356,800*	160
170	54.9	237.6	87,900	172,900*	232,600*	266,000*	309,400*	331,000*	170
180	52.3	230.0	77,400	158,300*	214,700*	246,600*	287,600*	308,100*	180
190	49.7	221.6	68,100	145,200*	198,600*	229,300*	268,100*	287,500*	190
200	46.9	212.4	58,900*	133,500*	184,200*	213,600*	250,500*	269,000*	200
210	43.9	202.1	50,100*	122,800*	171,100*	199,400*	234,600*	252,100*	210
220	40.9	190.8	42,100*	112,700*	159,200*	186,400*	220,000*	236,800*	220
230	37.5	178.1	34,700*	102,100*	148,300*	174,500*	206,700*	222,700*	230
240	34.0	163.7	27,900*	92,300*	138,200*	163,500*	194,300*	205,500*	240
250	30.0	147.0	21,600*	83,200*	129,000*	153,200*	177,200*	187,800*	250
260	25.4	127.1	15,600*	74,700*	120,400*	140,800*	160,900*	171,000*	260
270	19.9	101.9		66,700*	111,700*	125,900*	144,900*	154,300*	270

**Manitowoc Cranes, Inc.**

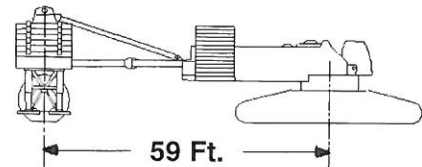
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. thru 860,000 Lb. Wheeled Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**

**300 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	244,000 Lb. Wheeled Counterweight Boom Capacity Pounds	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
50	82.3	308.0	561,000*	655,000*	655,000*	655,000*	655,000*	655,000*	50
55	81.3	307.2	499,900*	655,000*	655,000*	655,000*	655,000*	655,000*	55
60	80.4	306.3	449,300*	641,600*	655,000*	655,000*	655,000*	655,000*	60
65	79.4	305.3	406,700*	587,400*	655,000*	655,000*	655,000*	655,000*	65
70	78.4	304.3	370,400*	540,600*	655,000*	655,000*	655,000*	655,000*	70
75	77.4	303.1	339,000*	499,900*	621,200*	655,000*	655,000*	655,000*	75
80	76.5	301.9	311,700*	464,100*	578,100*	646,300*	655,000*	655,000*	80
85	75.5	300.5	287,600*	432,500*	539,900*	604,200*	655,000*	655,000*	85
90	74.5	299.1	266,300*	403,300*	505,800*	566,600*	647,700*	655,000*	90
95	73.5	297.6	245,600	376,900*	475,300*	532,900*	609,800*	648,200*	95
100	72.5	296.0	226,100	353,100*	447,700*	502,500*	575,600*	612,100*	100
105	71.5	294.2	208,700	331,700*	422,700*	474,900*	544,700*	579,400*	105
110	70.5	292.4	193,200	312,300*	399,900*	449,800*	516,400*	549,700*	110
115	69.4	290.5	179,200	294,500*	379,000*	426,800*	490,600*	522,400*	115
120	68.4	288.5	166,500	278,300*	359,900*	405,700*	466,900*	497,400*	120
125	67.4	286.4	155,000	263,400*	342,300*	386,300*	445,000*	474,400*	125
130	66.3	284.1	144,500	249,600*	325,900*	368,300*	424,800*	453,000*	130
135	65.3	281.8	134,800	236,900*	310,800*	351,600*	406,100*	433,300*	135
140	64.2	279.3	125,900	225,100*	296,700*	336,100*	388,700*	414,900*	140
145	63.1	276.7	117,600	214,100*	283,600*	321,700*	372,400*	397,700*	145
150	62.0	274.0	110,000	203,800*	271,300*	308,100*	357,200*	381,700*	150
155	60.9	271.2	102,900	194,200*	259,800*	295,500*	343,000*	366,700*	155
160	59.8	268.3	96,300	185,200*	248,800*	283,600*	329,600*	352,600*	160
170	57.6	262.0	84,300	168,800*	228,600*	261,900*	305,200*	326,900*	170
180	55.3	255.1	73,800	154,200*	210,700*	242,500*	283,500*	304,000*	180
190	52.9	247.6	63,900*	141,200*	194,600*	225,100*	264,000*	283,400*	190
200	50.4	239.4	54,200*	129,400*	180,200*	209,500*	246,400*	264,900*	200
210	47.8	230.4	45,400*	118,800*	167,100*	195,300*	230,500*	248,000*	210
220	45.2	220.6	37,300*	108,200*	155,200*	182,300*	215,900*	232,700*	220
230	42.4	209.9	30,000*	97,600*	144,300*	170,400*	202,600*	218,700*	230
240	39.4	197.9	23,200*	87,800*	134,300*	159,500*	190,400*	205,800*	240
250	36.2	184.6	16,900*	78,800*	125,100*	149,300*	179,100*	192,000*	250
260	32.7	169.5		70,500*	116,600*	139,800*	165,400*	175,800*	260
270	28.9	152.1		62,700*	108,600*	130,800*	150,500*	160,400*	270
280	24.5	131.4		55,300*	101,200*	117,500*	136,200*	145,600*	280
290	19.2	105.2		48,300*	91,000*	104,300*	122,000*	130,900*	290

**Manitowoc Cranes, Inc.**

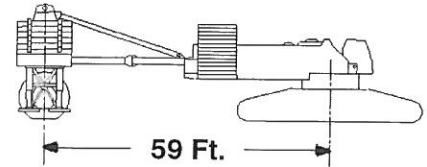
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. thru 860,000 Lb. Wheeled Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**

**320 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	0 Lb. Wheeled Counterweight Boom Capacity Pounds	244,000 Lb. Wheeled Counterweight Boom Capacity Pounds	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
50	82.8	328.2	561,400*	562,300*	562,300*	562,300*	562,300*	562,300*	50
55	81.9	327.5	500,200*	562,300*	562,300*	562,300*	562,300*	562,300*	55
60	81.0	326.6	449,600*	562,300*	562,300*	562,300*	562,300*	562,300*	60
65	80.1	325.7	407,000*	562,300*	562,300*	562,300*	562,300*	562,300*	65
70	79.2	324.7	370,700*	540,700*	562,300*	562,300*	562,300*	562,300*	70
75	78.2	323.6	339,300*	500,000*	562,300*	562,300*	562,300*	562,300*	75
80	77.3	322.5	312,000*	464,300*	562,300*	562,300*	562,300*	562,300*	80
85	76.4	321.2	287,900*	432,600*	540,100*	562,300*	562,300*	562,300*	85
90	75.5	319.9	266,600*	403,600*	506,000*	562,300*	562,300*	562,300*	90
95	74.5	318.5	246,400	377,200*	475,500*	533,100*	562,300*	562,300*	95
100	73.6	317.0	226,900	353,500*	447,900*	502,700*	562,300*	562,300*	100
105	72.7	315.4	209,500	332,100*	422,900*	475,200*	544,900*	562,300*	105
110	71.7	313.7	194,000	312,600*	400,100*	450,000*	516,600*	549,900*	110
115	70.8	311.9	180,000	294,900*	379,300*	427,100*	490,800*	522,700*	115
120	69.8	310.0	167,300	278,700*	360,100*	406,000*	467,100*	497,600*	120
125	68.9	308.0	155,700	263,700*	342,500*	386,500*	445,300*	474,600*	125
130	67.9	306.0	145,200	250,000*	326,200*	368,600*	425,100*	453,300*	130
135	66.9	303.8	135,500	237,300*	311,100*	351,900*	406,400*	433,500*	135
140	65.9	301.5	126,600	225,400*	297,000*	336,400*	388,900*	415,200*	140
145	64.9	299.1	118,300	214,500*	283,900*	321,900*	372,700*	398,000*	145
150	63.9	296.7	110,700	204,200*	271,600*	308,400*	357,500*	382,000*	150
155	62.9	294.1	103,600	194,600*	260,200*	295,800*	343,300*	367,000*	155
160	61.9	291.4	97,000	185,600*	249,200*	283,900*	330,000*	352,900*	160
170	59.8	285.6	85,000	169,200*	229,000*	262,200*	305,600*	327,200*	170
180	57.7	279.3	74,400	154,700*	211,100*	242,900*	283,900*	304,300*	180
190	55.6	272.5	65,000*	141,600*	195,100*	225,500*	264,400*	283,800*	190
200	53.3	265.1	55,300*	129,900*	180,600*	209,900*	246,800*	265,300*	200
210	51.0	257.1	46,500*	119,300*	167,600*	195,700*	230,900*	248,400*	210
220	48.7	248.4	38,500*	109,500*	155,700*	182,700*	216,400*	233,100*	220
230	46.2	239.0	31,100*	98,900*	144,800*	170,900*	203,100*	219,100*	230
240	43.6	228.6	24,400*	89,200*	134,900*	160,000*	190,900*	206,300*	240
250	40.9	217.3	18,200*	80,300*	125,700*	149,900*	179,600*	194,400*	250
260	38.1	204.7		72,000*	117,200*	140,500*	169,200*	183,400*	260
270	35.0	190.8		64,200*	109,300*	131,700*	159,500*	169,600*	270
280	31.6	175.1		57,000*	101,900*	123,500*	145,700*	155,400*	280
290	27.9	157.0		50,300*	95,000*	114,200*	132,700*	141,900*	290
300	23.7	135.4		43,800*	87,200*	102,500*	120,000*	128,800*	300
310	18.5	108.3		37,600*	78,300*	90,700*	107,400*	115,600*	310

**Manitowoc Cranes, Inc.**

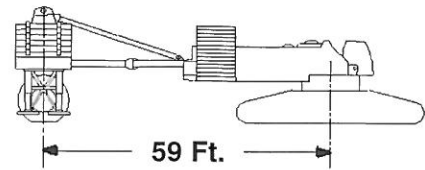
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. thru 860,000 Lb. Wheeled Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**

**340 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	244,000 Lb. Wheeled Counterweight Boom Capacity Pounds	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
55	82.4	347.7	491,900*	491,900*	491,900*	491,900*	491,900*	55
60	81.5	346.9	491,900*	491,900*	491,900*	491,900*	491,900*	60
65	80.7	346.1	491,900*	491,900*	491,900*	491,900*	491,900*	65
70	79.8	345.1	491,900*	491,900*	491,900*	491,900*	491,900*	70
75	78.9	344.1	491,900*	491,900*	491,900*	491,900*	491,900*	75
80	78.1	343.0	460,000*	491,900*	491,900*	491,900*	491,900*	80
85	77.2	341.9	428,400*	491,900*	491,900*	491,900*	491,900*	85
90	76.3	340.6	399,600*	491,900*	491,900*	491,900*	491,900*	90
95	75.5	339.3	373,200*	471,200*	491,900*	491,900*	491,900*	95
100	74.6	337.9	349,400*	443,600*	491,900*	491,900*	491,900*	100
105	73.7	336.4	328,000*	418,600*	470,900*	491,900*	491,900*	105
110	72.8	334.8	308,600*	395,900*	445,800*	491,900*	491,900*	110
115	72.0	333.1	290,800*	375,000*	422,800*	486,600*	491,900*	115
120	71.1	331.4	274,600*	355,900*	401,700*	462,900*	491,900*	120
125	70.2	329.5	259,700*	338,300*	382,300*	441,100*	470,400*	125
130	69.3	327.6	245,900*	322,000*	364,300*	420,900*	449,100*	130
135	68.3	325.6	233,200*	306,800*	347,700*	402,100*	429,300*	135
140	67.4	323.5	221,400*	292,800*	332,200*	384,700*	410,900*	140
145	66.5	321.2	210,400*	279,700*	317,700*	368,500*	393,800*	145
150	65.6	318.9	200,100*	267,400*	304,200*	353,300*	377,800*	150
155	64.6	316.5	190,500*	255,900*	291,600*	339,100*	362,800*	155
160	63.7	314.0	181,500*	245,100*	279,700*	325,800*	348,700*	160
170	61.8	308.7	165,200*	225,000*	258,000*	301,400*	323,000*	170
180	59.9	302.9	150,600*	207,000*	238,700*	279,700*	300,100*	180
190	57.9	296.7	137,600*	191,000*	221,300*	260,200*	279,600*	190
200	55.8	289.9	125,800*	176,600*	205,700*	242,600*	261,100*	200
210	53.7	282.6	115,200*	163,500*	191,500*	226,700*	244,300*	210
220	51.6	274.8	104,700*	151,600*	178,600*	212,200*	229,000*	220
230	49.4	266.3	94,100*	140,800*	166,800*	198,900*	215,000*	230
240	47.1	257.1	84,400*	130,800*	155,900*	186,700*	202,100*	240
250	44.7	247.2	75,500*	121,600*	145,900*	175,500*	190,300*	250
260	42.2	236.3	67,200*	113,200*	136,500*	165,100*	179,300*	260
270	39.6	224.4	59,500*	105,300*	127,700*	155,400*	169,100*	270
280	36.9	211.4	52,400*	98,000*	119,600*	146,400*	157,400*	280
290	33.9	196.8	45,700*	90,900*	112,000*	134,700*	144,200*	290
300	30.6	180.5	39,400*	83,000*	104,500*	122,600*	131,600*	300
310	27.1	161.7	33,400*	75,500*	93,700*	111,000*	119,600*	310
320	22.9	139.4	27,700*	68,400*	83,200*	99,700*	107,900*	320
330	17.9	111.4	22,200*	60,900*	72,700*	88,300*	96,100*	330

**Manitowoc Cranes, Inc.**

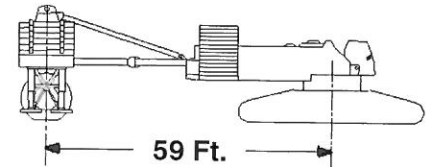
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. thru 860,000 Lb. Wheeled Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**

**360 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	244,000 Lb. Wheeled Counterweight Boom Capacity Pounds	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
55	82.8	367.9	430,500*	430,500*	430,500*	430,500*	430,500*	55
60	82.0	367.2	430,500*	430,500*	430,500*	430,500*	430,500*	60
65	81.2	366.4	430,500*	430,500*	430,500*	430,500*	430,500*	65
70	80.4	365.5	430,500*	430,500*	430,500*	430,500*	430,500*	70
75	79.6	364.5	430,500*	430,500*	430,500*	430,500*	430,500*	75
80	78.8	363.5	430,500*	430,500*	430,500*	430,500*	430,500*	80
85	77.9	362.4	425,300*	430,500*	430,500*	430,500*	430,500*	85
90	77.1	361.2	396,700*	430,500*	430,500*	430,500*	430,500*	90
95	76.3	360.0	370,300*	430,500*	430,500*	430,500*	430,500*	95
100	75.5	358.6	346,500*	430,500*	430,500*	430,500*	430,500*	100
105	74.7	357.2	325,100*	415,600*	430,500*	430,500*	430,500*	105
110	73.8	355.7	305,700*	392,800*	430,500*	430,500*	430,500*	110
115	73.0	354.2	287,900*	372,000*	419,800*	430,500*	430,500*	115
120	72.2	352.5	271,700*	352,900*	398,700*	430,500*	430,500*	120
125	71.3	350.8	256,800*	335,200*	379,300*	430,500*	430,500*	125
130	70.5	349.0	243,000*	318,900*	361,300*	417,800*	429,600*	130
135	69.6	347.1	230,300*	303,800*	344,600*	399,100*	426,300*	135
140	68.8	345.1	218,500*	289,800*	329,100*	381,700*	407,900*	140
145	67.9	343.1	207,500*	276,700*	314,700*	365,500*	390,800*	145
150	67.0	340.9	197,200*	264,400*	301,200*	350,300*	374,800*	150
155	66.2	338.7	187,600*	252,900*	288,600*	336,100*	359,800*	155
160	65.3	336.3	178,600*	242,200*	276,700*	322,700*	345,700*	160
170	63.5	331.4	162,300*	222,000*	255,000*	298,400*	320,000*	170
180	61.7	326.0	147,700*	204,100*	235,700*	276,700*	297,100*	180
190	59.9	320.2	134,700*	188,100*	218,400*	257,200*	276,600*	190
200	58.0	314.0	123,000*	173,700*	202,700*	239,700*	258,100*	200
210	56.1	307.3	112,300*	160,600*	188,600*	223,800*	241,300*	210
220	54.1	300.1	101,400*	148,800*	175,700*	209,300*	226,100*	220
230	52.1	292.4	90,900*	137,900*	163,900*	196,000*	212,100*	230
240	50.0	284.1	81,200*	128,000*	153,000*	183,800*	199,200*	240
250	47.9	275.2	72,200*	118,800*	143,000*	172,600*	187,400*	250
260	45.7	265.5	64,000*	110,300*	133,600*	162,200*	176,400*	260
270	43.4	255.1	56,300*	102,500*	124,900*	152,600*	166,300*	270
280	41.0	243.7	49,200*	95,200*	116,800*	143,600*	156,800*	280
290	38.4	231.4	42,500*	87,900*	109,200*	135,200*	146,900*	290
300	35.8	217.8	36,300*	80,000*	102,200*	125,300*	134,500*	300
310	32.9	202.7	30,400*	72,700*	95,500*	114,000*	122,800*	310
320	29.7	185.7	24,900*	65,700*	86,200*	103,200*	111,700*	320
330	26.3	166.3	19,600*	59,100*	76,600*	92,900*	101,000*	330
340	22.3	143.3		52,800*	67,200*	82,700*	90,400*	340
350	17.4	114.3		46,500*	57,600*	72,400*	79,800*	350

**Manitowoc Cranes, Inc.**

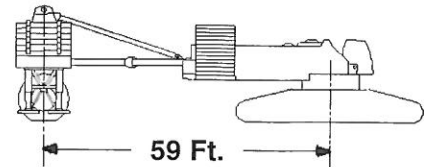
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. thru 860,000 Lb. Wheeled Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**

**380 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	244,000 Lb. Wheeled Counterweight Boom Capacity Pounds	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
60	82.4	387.4	374,200*	374,200*	374,200*	374,200*	374,200*	60
65	81.7	386.6	374,200*	374,200*	374,200*	374,200*	374,200*	65
70	80.9	385.8	374,200*	374,200*	374,200*	374,200*	374,200*	70
75	80.1	384.9	374,200*	374,200*	374,200*	374,200*	374,200*	75
80	79.4	383.9	374,200*	374,200*	374,200*	374,200*	374,200*	80
85	78.6	382.9	374,200*	374,200*	374,200*	374,200*	374,200*	85
90	77.8	381.8	374,200*	374,200*	374,200*	374,200*	374,200*	90
95	77.0	380.6	368,400*	374,200*	374,200*	374,200*	374,200*	95
100	76.3	379.3	344,600*	374,200*	374,200*	374,200*	374,200*	100
105	75.5	378.0	323,200*	374,200*	374,200*	374,200*	374,200*	105
110	74.7	376.6	303,700*	374,200*	374,200*	374,200*	374,200*	110
115	73.9	375.1	286,000*	369,900*	374,200*	374,200*	374,200*	115
120	73.1	373.6	269,700*	350,800*	373,700*	373,700*	373,700*	120
125	72.3	372.0	254,800*	333,100*	372,400*	372,400*	372,400*	125
130	71.5	370.2	241,100*	316,800*	359,200*	371,000*	371,000*	130
135	70.7	368.5	228,300*	301,700*	342,600*	369,600*	369,600*	135
140	69.9	366.6	216,500*	287,700*	327,100*	368,200*	368,200*	140
145	69.1	364.7	205,500*	274,600*	312,600*	363,400*	366,700*	145
150	68.3	362.6	195,300*	262,300*	299,100*	348,200*	365,100*	150
155	67.5	360.5	185,700*	250,900*	286,500*	334,000*	357,700*	155
160	66.7	358.4	176,700*	240,100*	274,600*	320,700*	343,700*	160
170	65.0	353.7	160,300*	220,100*	252,900*	296,300*	318,000*	170
180	63.3	348.7	145,700*	202,200*	233,600*	274,600*	295,100*	180
190	61.6	343.3	132,700*	186,200*	216,300*	255,200*	274,600*	190
200	59.9	337.5	121,000*	171,700*	200,700*	237,600*	256,100*	200
210	58.1	331.4	110,400*	158,700*	186,500*	221,700*	239,300*	210
220	56.3	324.7	99,400*	146,800*	173,600*	207,300*	224,000*	220
230	54.4	317.6	88,800*	136,000*	161,800*	194,000*	210,100*	230
240	52.5	310.0	79,100*	126,000*	151,000*	181,800*	197,200*	240
250	50.6	301.9	70,200*	116,900*	141,000*	170,600*	185,400*	250
260	48.6	293.1	61,900*	108,400*	131,700*	160,200*	174,500*	260
270	46.5	283.8	54,300*	100,600*	123,000*	150,600*	164,300*	270
280	44.4	273.7	47,100*	93,300*	114,900*	141,600*	154,900*	280
290	42.2	262.8	40,500*	85,900*	107,400*	133,300*	146,000*	290
300	39.8	250.9	34,300*	78,100*	100,300*	125,400*	137,800*	300
310	37.4	238.1	28,400*	70,800*	93,700*	117,100*	126,200*	310
320	34.8	224.0	22,900*	63,900*	87,400*	106,500*	115,200*	320
330	32.0	208.3	17,700*	57,400*	79,800*	96,500*	104,800*	330
340	28.9	190.8		51,200*	70,800*	86,800*	94,800*	340
350	25.5	170.7		45,300*	62,100*	77,500*	85,100*	350
360	21.6	147.0		39,600*	53,600*	68,300*	75,600*	360
370	16.9	117.2		34,100*	44,900*	58,900*	65,900*	370

**Manitowoc Cranes, Inc.**

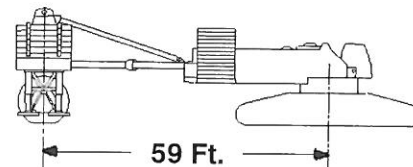
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. thru 860,000 Lb. Wheeled Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**

**400 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	244,000 Lb. Wheeled Counterweight Boom Capacity Pounds	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
60	82.8	407.6	330,700*	330,700*	330,700*	330,700*	330,700*	60
65	82.1	406.9	330,700*	330,700*	330,700*	330,700*	330,700*	65
70	81.3	406.1	330,700*	330,700*	330,700*	330,700*	330,700*	70
75	80.6	405.2	330,700*	330,700*	330,700*	330,700*	330,700*	75
80	79.9	404.3	330,700*	330,700*	330,700*	330,700*	330,700*	80
85	79.2	403.3	330,700*	330,700*	330,700*	330,700*	330,700*	85
90	78.4	402.3	330,700*	330,700*	330,700*	330,700*	330,700*	90
95	77.7	401.1	330,700*	330,700*	330,700*	330,700*	330,700*	95
100	77.0	400.0	330,700*	330,700*	330,700*	330,700*	330,700*	100
105	76.2	398.7	320,200*	330,700*	330,700*	330,700*	330,700*	105
110	75.5	397.4	300,700*	330,700*	330,700*	330,700*	330,700*	110
115	74.7	396.0	282,900*	330,700*	330,700*	330,700*	330,700*	115
120	74.0	394.5	266,700*	330,600*	330,600*	330,600*	330,600*	120
125	73.2	393.0	251,800*	329,500*	329,500*	329,500*	329,500*	125
130	72.5	391.4	238,000*	313,700*	328,400*	328,400*	328,400*	130
135	71.7	389.7	225,300*	298,600*	327,200*	327,200*	327,200*	135
140	71.0	387.9	213,500*	284,500*	323,900*	326,000*	326,000*	140
145	70.2	386.1	202,500*	271,400*	309,500*	324,800*	324,800*	145
150	69.4	384.2	192,200*	259,200*	296,000*	323,500*	323,500*	150
155	68.7	382.2	182,600*	247,700*	283,300*	322,200*	322,200*	155
160	67.9	380.1	173,600*	236,900*	271,500*	317,500*	320,900*	160
170	66.3	375.8	157,200*	217,000*	249,800*	293,200*	314,800*	170
180	64.8	371.1	142,700*	199,100*	230,500*	271,500*	292,000*	180
190	63.2	366.0	129,700*	183,100*	213,200*	252,100*	271,500*	190
200	61.5	360.6	118,000*	168,700*	197,600*	234,500*	253,000*	200
210	59.9	354.9	107,400*	155,700*	183,400*	218,600*	236,200*	210
220	58.2	348.7	95,800*	143,800*	170,500*	204,200*	220,900*	220
230	56.5	342.1	85,200*	133,000*	158,800*	190,900*	207,000*	230
240	54.7	335.1	75,500*	123,000*	147,900*	178,800*	194,100*	240
250	52.9	327.6	66,600*	113,900*	137,900*	167,600*	182,300*	250
260	51.1	319.6	58,400*	105,400*	128,700*	157,200*	171,400*	260
270	49.2	311.0	50,700*	97,600*	120,000*	147,600*	161,300*	270
280	47.3	301.9	43,600*	90,300*	111,900*	138,600*	151,800*	280
290	45.3	292.1	37,000*	82,500*	104,400*	130,300*	143,000*	290
300	43.2	281.5	30,800*	74,700*	97,400*	122,500*	134,800*	300
310	41.0	270.2	25,000*	67,400*	90,700*	115,100*	127,100*	310
320	38.8	257.9	19,500*	60,600*	84,500*	107,700*	116,500*	320
330	36.4	244.6		54,100*	77,800*	97,700*	106,200*	330
340	33.8	230.0		48,000*	70,900*	88,200*	96,400*	340
350	31.1	213.8		42,100*	63,400*	79,200*	87,000*	350
360	28.1	195.7		36,600*	55,400*	70,500*	78,000*	360
370	24.9	175.1		31,300*	47,500*	62,000*	69,300*	370
380	21.1	150.6		26,200*	39,700*	53,600*	60,600*	380
390	16.5	120.0		21,200*	31,700*	45,100*	51,700*	390

**Manitowoc Cranes, Inc.**

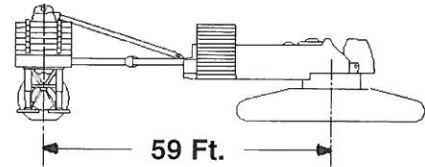
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. thru 860,000 Lb. Wheeled Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**

**420 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
65	82.5	427.1	290,300*	290,300*	290,300*	290,300*	65
70	81.8	426.3	290,300*	290,300*	290,300*	290,300*	70
75	81.1	425.5	290,300*	290,300*	290,300*	290,300*	75
80	80.4	424.6	290,300*	290,300*	290,300*	290,300*	80
85	79.7	423.7	290,300*	290,300*	290,300*	290,300*	85
90	79.0	422.7	290,300*	290,300*	290,300*	290,300*	90
95	78.3	421.6	290,300*	290,300*	290,300*	290,300*	95
100	77.6	420.5	290,300*	290,300*	290,300*	290,300*	100
105	76.9	419.3	290,200*	290,200*	290,200*	290,200*	105
110	76.2	418.0	289,500*	289,500*	289,500*	289,500*	110
115	75.5	416.7	288,700*	288,700*	288,700*	288,700*	115
120	74.8	415.3	287,900*	287,900*	287,900*	287,900*	120
125	74.1	413.9	287,000*	287,000*	287,000*	287,000*	125
130	73.4	412.4	286,200*	286,200*	286,200*	286,200*	130
135	72.6	410.8	285,300*	285,300*	285,300*	285,300*	135
140	71.9	409.1	282,900*	284,400*	284,400*	284,400*	140
145	71.2	407.4	269,800*	283,400*	283,400*	283,400*	145
150	70.5	405.6	257,600*	282,500*	282,500*	282,500*	150
155	69.7	403.7	246,100*	281,500*	281,500*	281,500*	155
160	69.0	401.7	235,400*	269,900*	280,500*	280,500*	160
170	67.5	397.6	215,600*	248,200*	278,500*	278,500*	170
180	66.0	393.2	197,700*	228,900*	269,900*	276,300*	180
190	64.5	388.5	181,600*	211,600*	250,500*	269,900*	190
200	63.0	383.4	167,200*	196,000*	233,000*	251,400*	200
210	61.5	378.0	154,200*	181,900*	217,100*	234,700*	210
220	59.9	372.2	142,300*	169,000*	202,600*	219,400*	220
230	58.3	366.0	131,500*	157,200*	189,400*	205,400*	230
240	56.6	359.5	121,600*	146,400*	177,200*	192,600*	240
250	55.0	352.5	112,400*	136,400*	166,000*	180,800*	250
260	53.3	345.1	104,000*	127,200*	155,700*	169,900*	260
270	51.6	337.2	96,200*	118,600*	146,100*	159,800*	270
280	49.8	328.9	88,900*	110,500*	137,100*	150,300*	280
290	47.9	319.9	81,100*	103,000*	128,800*	141,600*	290
300	46.1	310.4	73,300*	95,900*	121,000*	133,300*	300
310	44.1	300.1	66,000*	89,300*	113,700*	125,600*	310
320	42.1	289.2	59,200*	83,200*	106,800*	118,400*	320
330	40.0	277.4	52,700*	76,500*	100,300*	109,100*	330
340	37.8	264.7	46,600*	69,700*	91,000*	99,300*	340
350	35.4	250.9	40,900*	63,200*	82,000*	90,100*	350
360	33.0	235.9	35,400*	57,100*	73,500*	81,200*	360
370	30.3	219.2	30,200*	50,500*	65,400*	72,800*	370
380	27.4	200.6	25,200*	43,100*	57,500*	64,600*	380
390	24.2	179.3	20,400*	36,000*	49,800*	56,600*	390
400	20.5	154.2	15,800*	28,900*	42,100*	48,700*	400
410	16.0	122.7		21,500*	34,200*	40,500*	410

**Manitowoc Cranes, Inc.**

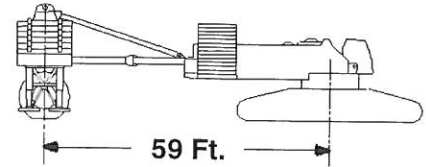
Manitowoc, Wisconsin 54220 U.S.A.

**Liftcrane Boom Capacities**

Boom No. 55 or No. 55A with 140 Ft. Mast No. 56
 492,000 Lb. Crane Counterweight
 320,000 Lb. Carbody Counterweight
 0 Lb. thru 860,000 Lb. Wheeled Counterweight
 at 59 Ft. Position
 360 Degree Rating

Meets
ANSI B30.5
Requirements

**18000 With
21000 MAX-ER**

**440 Ft. Boom**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	464,000 Lb. Wheeled Counterweight Boom Capacity Pounds	596,000 Lb. Wheeled Counterweight Boom Capacity Pounds	772,000 Lb. Wheeled Counterweight Boom Capacity Pounds	860,000 Lb. Wheeled Counterweight Boom Capacity Pounds	Oper. Rad. Feet
65	82.8	447.3	258,500*	258,500*	258,500*	258,500*	65
70	82.1	446.6	258,500*	258,500*	258,500*	258,500*	70
75	81.5	445.8	258,500*	258,500*	258,500*	258,500*	75
80	80.8	445.0	258,500*	258,500*	258,500*	258,500*	80
85	80.2	444.1	258,500*	258,500*	258,500*	258,500*	85
90	79.5	443.1	258,500*	258,500*	258,500*	258,500*	90
95	78.8	442.1	258,500*	258,500*	258,500*	258,500*	95
100	78.2	441.0	258,500*	258,500*	258,500*	258,500*	100
105	77.5	439.9	258,500*	258,500*	258,500*	258,500*	105
110	76.8	438.7	257,900*	257,900*	257,900*	257,900*	110
115	76.2	437.4	257,200*	257,200*	257,200*	257,200*	115
120	75.5	436.1	256,500*	256,500*	256,500*	256,500*	120
125	74.8	434.7	255,700*	255,700*	255,700*	255,700*	125
130	74.1	433.3	255,000*	255,000*	255,000*	255,000*	130
135	73.5	431.7	254,200*	254,200*	254,200*	254,200*	135
140	72.8	430.2	253,400*	253,400*	253,400*	253,400*	140
145	72.1	428.5	252,600*	252,600*	252,600*	252,600*	145
150	71.4	426.8	251,800*	251,800*	251,800*	251,800*	150
155	70.7	425.0	242,900*	250,900*	250,900*	250,900*	155
160	70.0	423.2	232,100*	250,100*	250,100*	250,100*	160
170	68.6	419.3	212,400*	245,000*	248,300*	248,300*	170
180	67.2	415.1	194,500*	225,700*	246,500*	246,500*	180
190	65.8	410.6	178,500*	208,400*	244,600*	244,600*	190
200	64.3	405.8	164,100*	192,800*	229,800*	242,700*	200
210	62.9	400.7	151,100*	178,700*	213,900*	231,400*	210
220	61.4	395.3	139,200*	165,800*	199,400*	216,200*	220
230	59.9	389.5	128,400*	154,000*	186,200*	202,300*	230
240	58.4	383.4	118,500*	143,200*	174,100*	189,400*	240
250	56.8	376.9	109,300*	133,200*	162,900*	177,600*	250
260	55.2	370.0	100,900*	124,000*	152,500*	166,700*	260
270	53.6	362.6	93,100*	115,500*	142,900*	156,600*	270
280	52.0	354.9	85,200*	107,400*	134,000*	147,200*	280
290	50.3	346.6	77,300*	99,900*	125,700*	138,400*	290
300	48.5	337.9	69,700*	92,900*	117,900*	130,200*	300
310	46.8	328.5	62,400*	86,300*	110,600*	122,500*	310
320	44.9	318.6	55,500*	79,600*	103,700*	115,300*	320
330	43.0	308.0	49,100*	72,800*	97,300*	108,500*	330
340	41.1	296.7	43,000*	66,100*	91,100*	99,600*	340
350	39.0	284.5	37,300*	59,700*	82,200*	90,300*	350
360	36.9	271.4	31,900*	53,600*	73,700*	81,600*	360
370	34.6	257.1	26,700*	47,800*	65,700*	73,300*	370
380	32.2	241.6	21,800*	42,300*	58,000*	65,300*	380
390	29.6	224.4	17,100*	36,400*	50,600*	57,600*	390
400	26.8	205.3		29,700*	43,400*	50,100*	400
410	23.7	183.4		23,200*	36,300*	42,800*	410
420	20.1	157.6		16,600*	29,300*	35,600*	420
430	15.7	125.4			22,000*	28,000*	430

8541-A, 11-17-03/GA

Page 17 of 17

S/N: 21003043

