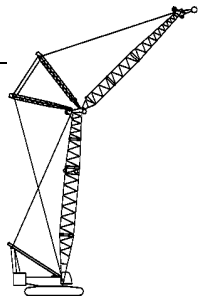
Liftcrane Luffing Jib Capacities



Luffing Jib No. 59 On Boom No. 58 HL
332,000 lb Crane Counterweight
120,000 lb Carbody Counterweight
360 Degree Rating

16000 SERIES 3

LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib 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 (*).

Luffing Jib Backward Stability: Capacities indicated by (b) require 9,500 lb minimum weight suspended beneath luffing jib point. Capacities indicated by (c) require 13,000 lb minimum weight suspended beneath luffing jib point. Capacities indicated by (d) require 17,500 lb minimum weight suspended beneath luffing jib point. **Caution: Do not luff into areas indicated by (b), (c) or (d) without required minimum weights**. Luffing jib will not luff down and luffing hoist wire rope may overhaul luffing jib and cause luffing hoist to go slack causing wire rope damage or failure.

Lower boom point must be completely removed from 177.2 ft, 196.9 ft and 216.5 ft boom lengths.

Upper luffing jib capacity for liftcrane service with single part whip line is 30,000 lb or 60,000 lb with two part whip line. In all cases, upper luffing jib capacities cannot exceed those listed for main luffing jib capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc. beneath boom and luffing jib point sheaves is considered part of luffing jib load. Boom and luffing jib are 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 on a firm uniformly supporting surface and bearing turntable level within a tolerance of 1/2 in. in 10 ft and properly supported. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to luffing jib assembly **No. A13555,** Wire Rope Specification chart **No. 8724-A,** Counterweight Arrangement chart **No. 8682-A**, Luffing Jib Raising Procedure chart **No. 8723- A**, and Wind Conditions chart **No. 8688-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to Operator's Manual for operating guidelines.

MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8732-A**.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block.

BOOM ANGLE: Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts.

LUFFING JIB ANGLE: Luffing jib angle in degrees (°) is angle between horizontal and centerline of luffing jib butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

LUFFING JIB POINT ELEVATION: Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

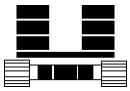
MACHINE EQUIPMENT: Machine equipped with 34 ft crawlers, 60 in. treads, 32 ft live mast, 26 part boom hoist reeving, boom support straps, 17 part luffing jib hoist reeving, luffing jib and backstay support straps, 332,000 lb crane counterweight, two 30,000 lb and four 15,000 lb carbody counterweights.

Boom and/or Jib Catwalks Deduct
Deduct 1,000 lb from capacities when boom and/or jib catwalks are attached.

REFERENCE ONLY!

Explanation of Symbols

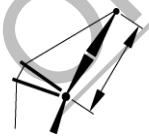
Luffing Jib No. 59
+
Boom No. 58 Heavy Lift Top



Crane Counterweight
+
Carbody Counterweight

360 Degree Rating

Boom Length



Luffing Jib Length

REFERENCE ONLY!

Explanation of Symbols
(continued)

Boom Angle
(see page 1)

Operating Radius
(see page 1)

Luffing Jib Angle
(see page 1)

Luffing Jib Elevation
(see page 1)

Lifting Capacities
(see page 1)

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

78.7 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
38	73.5	183.2	408,500 ***c**							38
40	72.0	182.5	392,000 ***c**							40
45	68.1	180.5	354,200 ***b**	70.8	181.6	362,700 ***b**				45
50	64.0	178.1	321,600 ***b**	66.9	179.5	328,600 **b**				50
55	59.9	175.2	292,900 **b**	62.8	176.9	288,500 **b**				55
60	55.5	171.8	260,700	58.5	173.9	256,800	65.7	177.4	247,100 **b**	60
65	50.8	167.8	234,600	54.1	170.3	231,100	61.6	174.7	222,400 **b**	65
70	45.8	163.0	212,900	49.3	166.1	209,800	57.3	171.5	201,900	70
75	40.2	157.3	194,700	44.1	161.0	191,800	52.8	167.8	184,600	75
80	33.9	150.2	179,100	38.4	154.9	176,500	47.9	163.4	169,900	80
85	26.2	140.9	165,500	31.8	147.3	163,200	42.6	158.1	157,100	85
90	14.8	126.0	147,900 *****	23.4	136.9	151,500	36.7	151.6	146,000	90
95				8.1	116.6	136,000 *****	29.7	143.4	136,100	95
100							20.4	131.7	127,200	100
105										105
110										110
115										115
120										120
125										125

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

78.7 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
38										38
40										40
45										45
50										50
55										55
60										60
65										65
70										70
75	60.3	171.6	177,400 **b**							75
80	55.9	168.3	163,200							80
85	51.3	164.4	151,000							85
90	46.3	159.7	140,300	54.3	164.1	134,600				90
95	40.9	154.1	130,900	49.6	159.9	125,600				95
100	34.6	147.2	122,500	44.5	155.0	117,600	52.4	158.9	112,700	100
105	27.1	138.1	114,900	38.8	148.9	110,400	47.5	154.4	105,800	105
110	16.4	124.3	107,900	32.2	141.4	103,800	42.2	149.1	99,600	110
115				23.9	131.2	97,900	36.2	142.5	93,900	115
120				9.9	112.6	92,200	29.1	134.1	88,700	120
125							19.6	122.0	83,900	125

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

98.4 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
45	72.7	201.6	341,100 ***b**							45
50	69.6	199.7	312,800 ***b**	71.7	200.7	318,700 ***b**				50
55	66.4	197.6	287,700 ***b**	68.6	198.8	288,000 **b**				55
60	63.1	195.1	260,300	65.4	196.5	256,300				60
65	59.8	192.1	234,300	62.1	193.9	230,600	67.7	196.8	221,600 **b**	65
70	56.3	188.9	212,700	58.7	190.8	209,400	64.5	194.4	201,100	70
75	52.6	185.1	194,500	55.2	187.4	191,500	61.2	191.7	184,000	75
80	48.8	180.8	179,000	51.5	183.5	176,300	57.8	188.5	169,300	80
85	44.7	175.8	165,700	47.6	179.0	163,100	54.2	185.0	156,600	85
90	40.3	170.0	154,000	43.4	173.8	151,600	50.4	180.9	145,600	90
95	35.3	163.2	143,700	38.8	167.7	141,400	46.4	176.2	135,800	95
100	29.7	154.9	134,500	33.7	160.5	132,400	42.2	170.8	127,200	100
105	22.7	144.0	126,200	27.7	151.6	124,300	37.5	164.5	119,500	105
110	12.1	126.5	114,900 *****	20.1	139.5	116,900	32.2	156.9	112,500	110
115				4.6	113.4	106,300 *****	25.9	147.3	106,100	115
120							17.4	133.6	100,200	120
125										125
130										130
135										135
140										140
145										145

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59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

98.4 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85	60.1	188.6	150,200							85
90	56.7	185.3	139,600							90
95	53.0	181.6	130,200							95
100	49.2	177.4	121,900	55.4	181.2	116,700				100
105	45.2	172.5	114,500	51.7	177.3	109,600				105
110	40.8	166.8	107,800	47.8	172.9	103,200				110
115	35.9	160.1	101,800	43.6	167.7	97,400	50.1	172.0	93,100	115
120	30.3	152.0	96,200	39.1	161.7	92,100	46.1	167.3	88,100	120
125	23.6	141.5	91,100	34.0	154.6	87,300	41.8	161.8	83,500	125
130	13.7	125.3	86,300	28.1	145.8	82,800	37.1	155.4	79,200	130
135				20.7	133.9	78,600	31.7	147.7	75,300	135
140				7.0	111.0	74,500	25.3	137.9	71,600	140
145							16.6	123.7	68,100	145

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

118.1 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
50	73.1	220.7	300,200 *b							50
55	70.5	218.9	278,300 *b	72.3	219.8	282,700 *b				55
60	67.9	216.9	258,600 *	69.7	218.0	255,300				60
65	65.3	214.6	233,400	67.1	215.9	229,700				65
70	62.5	212.0	211,900	64.4	213.5	208,400				70
75	59.7	209.1	193,700	61.7	210.8	190,600	66.4	213.8	182,700	75
80	56.8	205.9	178,300	58.8	207.8	175,400	63.7	211.4	168,100	80
85	53.8	202.2	164,900	55.9	204.4	162,200	60.9	208.6	155,500	85
90	50.7	198.2	153,300	52.9	200.7	150,800	58.0	205.5	144,500	90
95	47.4	193.7	143,000	49.7	196.5	140,700	55.1	202.1	134,800	95
100	44.0	188.6	133,900	46.4	191.8	131,700	52.0	198.2	126,200	100
105	40.3	182.8	125,800	42.9	186.5	123,700	48.8	193.9	118,500	105
110	36.2	176.2	118,500	39.1	180.5	116,500	45.4	189.0	111,600	110
115	31.8	168.4	111,800	34.9	173.6	110,000	41.9	183.6	105,300	115
120	26.6	158.9	105,700	30.3	165.4	104,000	38.0	177.3	99,600	120
125	20.1	146.6	100,200	24.8	155.2	98,600	33.7	170.0	94,400	125
130	9.9	126.2	91,700 *	17.7	141.5	93,500	28.8	161.4	89,600	130
135							23.0	150.5	85,200	135
140							15.1	134.9	81,000	140
145										145
150										150
155										155
160										160
165										165

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16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

118.1 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	62.8	208.4	138,200							90
95	60.0	205.6	128,900							95
100	57.1	202.3	120,700							100
105	54.2	198.8	113,300							105
110	51.1	194.8	106,700	56.1	198.3	101,800				110
115	47.8	190.3	100,700	53.1	194.5	96,100				115
120	44.4	185.3	95,200	49.9	190.4	90,900				120
125	40.7	179.6	90,300	46.6	185.7	86,100	51.8	189.3	82,000	125
130	36.7	173.0	85,700	43.1	180.5	81,700	48.6	185.0	77,900	130
135	32.3	165.4	81,500	39.3	174.5	77,700	45.2	180.1	74,000	135
140	27.2	156.2	77,500	35.2	167.6	74,000	41.6	174.5	70,400	140
145	20.9	144.3	73,800	30.6	159.5	70,500	37.7	168.2	67,100	145
150	11.5	125.6	70,300	25.1	149.5	67,200	33.4	160.9	64,000	150
155				18.2	136.1	64,100	28.5	152.1	61,100	155
160				3.9	107.1	61,000	22.6	141.0	58,400	160
165							14.4	124.9	55,700	165

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

137.8 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
55	73.4	239.7	265,500 *b							55
60	71.2	238.1	248,400 *	72.8	238.9	251,600 *				60
65	69.0	236.1	232,600	70.6	237.1	228,800				65
70	66.7	234.0	211,100	68.3	235.2	207,600				70
75	64.4	231.6	192,900	66.0	232.9	189,700				75
80	62.1	229.0	177,500	63.7	230.5	174,500	67.7	233.2	167,100	80
85	59.7	226.1	164,100	61.4	227.8	161,400	65.4	230.9	154,400	85
90	57.2	222.9	152,500	58.9	224.8	149,900	63.1	228.4	143,500	90
95	54.7	219.3	142,300	56.4	221.5	139,900	60.7	225.6	133,800	95
100	52.0	215.5	133,200	53.9	217.9	130,900	58.3	222.5	125,200	100
105	49.3	211.2	125,100	51.2	213.9	122,900	55.7	219.1	117,600	105
110	46.5	206.5	117,800	48.5	209.5	115,800	53.2	215.4	110,700	110
115	43.5	201.3	111,200	45.6	204.6	109,300	50.5	211.3	104,500	115
120	40.3	195.5	105,200	42.5	199.3	103,400	47.7	206.8	98,800	120
125	36.9	189.0	99,800	39.3	193.3	98,000	44.7	201.8	93,700	125
130	33.1	181.6	94,700	35.8	186.5	93,100	41.6	196.3	88,900	130
135	29.0	172.9	90,100	31.9	178.7	88,500	38.3	190.1	84,600	135
140	24.2	162.4	85,800	27.6	169.6	84,300	34.7	183.1	80,500	140
145	18.1	148.7	81,800	22.5	158.4	80,400	30.8	175.0	76,800	145
150	8.1	125.2	74,500 *	15.8	143.0	76,600	26.3	165.4	73,300	150
155							20.8	153.3	70,000	155
160							13.3	135.8	66,800	160
165										165
170										170
175										175
180										180
185										185

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

137.8 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	62.3	225.4	119,600							100
105	59.9	222.5	112,200							105
110	57.5	219.3	105,600							110
115	55.0	215.9	99,700							115
120	52.3	212.0	94,200	56.6	215.3	89,700				120
125	49.6	207.8	89,300	54.0	211.7	85,000				125
130	46.8	203.2	84,800	51.4	207.7	80,700				130
135	43.8	198.0	80,600	48.6	203.4	76,700	53.0	206.5	72,900	135
140	40.6	192.3	76,800	45.7	198.6	73,000	50.3	202.4	69,300	140
145	37.3	185.9	73,200	42.7	193.2	69,600	47.5	197.9	66,100	145
150	33.6	178.6	69,800	39.5	187.3	66,400	44.5	192.9	63,000	150
155	29.5	170.1	66,700	36.0	180.5	63,400	41.4	187.3	60,200	155
160	24.7	159.8	63,800	32.2	172.8	60,700	38.1	181.0	57,500	160
165	18.8	146.6	61,000	27.9	163.8	58,000	34.5	173.9	55,000	165
170	9.7	125.3	58,300	22.8	152.7	55,500	30.5	165.8	52,700	170
175				16.3	137.7	53,200	25.9	156.0	50,500	175
180							20.4	143.7	48,300	180
185							12.6	125.5	46,200	185

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

157.5 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
60	73.7	258.8	236,800 *							60
65	71.7	257.2	223,200 *							65
70	69.8	255.3	210,100	71.2	256.3	206,500				70
75	67.8	253.3	191,900	69.2	254.4	188,600				75
80	65.9	251.1	176,500	67.2	252.3	173,400				80
85	63.8	248.6	163,100	65.2	250.0	160,300				85
90	61.8	245.9	151,500	63.2	247.5	148,800	66.7	250.3	142,100	90
95	59.7	243.0	141,300	61.1	244.7	138,700	64.7	247.9	132,500	95
100	57.5	239.9	132,200	59.0	241.7	129,800	62.6	245.3	123,900	100
105	55.3	236.4	124,100	56.8	238.5	121,900	60.5	242.5	116,300	105
110	53.0	232.7	116,800	54.6	234.9	114,700	58.4	239.5	109,400	110
115	50.7	228.6	110,200	52.3	231.1	108,200	56.2	236.1	103,200	115
120	48.3	224.2	104,300	49.9	226.9	102,400	54.0	232.5	97,600	120
125	45.7	219.4	98,800	47.5	222.4	97,000	51.7	228.6	92,500	125
130	43.1	214.1	93,800	44.9	217.5	92,100	49.3	224.3	87,800	130
135	40.3	208.3	89,200	42.2	212.0	87,600	46.8	219.7	83,400	135
140	37.3	201.9	85,000	39.4	206.1	83,400	44.2	214.6	79,400	140
145	34.1	194.7	81,100	36.4	199.4	79,500	41.5	209.0	75,700	145
150	30.7	186.5	77,400	33.1	191.9	75,900	38.6	202.9	72,300	150
155	26.8	177.0	74,000	29.5	183.4	72,600	35.5	196.0	69,100	155
160	22.2	165.5	70,700	25.4	173.4	69,400	32.2	188.3	66,100	160
165	16.4	150.4	67,700	20.6	161.1	66,400	28.4	179.4	63,200	165
170	6.4	123.4	60,900 *	14.2	144.1	63,600	24.2	168.9	60,600	170
175							19.0	155.6	58,000	175
180							11.8	136.2	55,600	180
185										185
190										190
195										195
200										200
205										205

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98.4 ft

157.5 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	62.0	242.3	104,200							110
115	59.9	239.5	98,300							115
120	57.7	236.3	92,900							120
125	55.5	232.9	87,900							125
130	53.3	229.2	83,400	57.0	232.3	79,200				130
135	50.9	225.2	79,300	54.7	228.8	75,200				135
140	48.5	220.8	75,500	52.5	224.9	71,600				140
145	46.0	216.0	71,900	50.1	220.8	68,200				145
150	43.4	210.8	68,600	47.6	216.3	65,000	51.5	219.7	61,500	150
155	40.6	205.1	65,600	45.1	211.4	62,100	49.1	215.4	58,700	155
160	37.7	198.7	62,700	42.4	206.0	59,400	46.6	210.7	56,100	160
165	34.5	191.6	60,000	39.6	200.0	56,800	44.0	205.6	53,600	165
170	31.1	183.5	57,500	36.6	193.4	54,400	41.3	200.0	51,300	170
175	27.2	174.2	55,100	33.3	186.0	52,100	38.4	193.8	49,200	175
180	22.7	163.0	52,800	29.7	177.6	49,900	35.3	186.9	47,100	180
185	17.1	148.5	50,600	25.7	167.6	47,900	31.9	179.1	45,200	185
190	8.2	124.3	48,400	20.9	155.5	45,900	28.2	170.1	43,300	190
195				14.7	139.0	44,000	23.9	159.4	41,600	195
200							18.6	145.9	39,900	200
205							11.0	125.7	38,200	205

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

177.2 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
65	73.8	277.9	211,300 *							65
70	72.1	276.2	200,400 *							70
75	70.4	274.5	190,100 *	71.6	275.4	187,600				75
80	68.7	272.5	175,500	69.9	273.5	172,400				80
85	66.9	270.4	162,200	68.2	271.5	159,200				85
90	65.2	268.1	150,500	66.4	269.4	147,800				90
95	63.3	265.6	140,300	64.6	267.0	137,700	67.7	269.6	131,300	95
100	61.5	262.9	131,200	62.8	264.4	128,800	65.9	267.3	122,800	100
105	59.6	260.0	123,100	60.9	261.7	120,900	64.1	264.9	115,200	105
110	57.7	256.8	115,900	59.1	258.7	113,700	62.3	262.3	108,300	110
115	55.8	253.4	109,300	57.1	255.5	107,300	60.4	259.5	102,100	115
120	53.8	249.8	103,300	55.2	252.0	101,400	58.5	256.4	96,500	120
125	51.7	245.9	97,900	53.2	248.3	96,000	56.6	253.1	91,400	125
130	49.6	241.7	92,900	51.1	244.3	91,100	54.6	249.6	86,700	130
135	47.4	237.1	88,300	48.9	240.0	86,600	52.6	245.8	82,400	135
140	45.1	232.2	84,100	46.7	235.3	82,500	50.5	241.7	78,400	140
145	42.8	226.9	80,200	44.4	230.2	78,600	48.3	237.3	74,700	145
150	40.3	221.0	76,600	42.0	224.8	75,100	46.1	232.5	71,300	150
155	37.7	214.7	73,200	39.5	218.8	71,700	43.8	227.4	68,100	155
160	34.9	207.6	70,000	36.9	212.2	68,600	41.4	221.8	65,100	160
165	31.9	199.8	67,000	34.0	205.0	65,700	38.8	215.6	62,300	165
170	28.6	190.9	64,200	30.9	196.9	63,000	36.1	208.9	59,700	170
175	24.9	180.7	61,600	27.5	187.6	60,400	33.2	201.4	57,200	175
180	20.6	168.2	59,100	23.7	176.8	57,900	30.0	193.0	54,900	180
185	15.0	151.8	56,700	19.0	163.4	55,600	26.5	183.4	52,700	185
190	4.7	120.2	50,000 *	12.8	144.9	53,300	22.5	172.0	50,600	190
195							17.5	157.6	48,600	195
200							10.4	136.2	46,600	200
205										205
210										210
215										215
220										220
225										225

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

177.2 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	61.7	259.3	91,700							120
125	59.8	256.4	86,800							125
130	57.9	253.3	82,300							130
135	56.0	249.9	78,100							135
140	54.0	246.3	74,300	57.3	249.3	70,300				140
145	51.9	242.4	70,800	55.3	245.8	67,000				145
150	49.8	238.2	67,500	53.3	242.1	63,800				150
155	47.7	233.7	64,500	51.2	238.1	60,900				155
160	45.4	228.9	61,600	49.1	233.8	58,200	52.4	236.9	54,900	160
165	43.0	223.6	59,000	46.9	229.2	55,700	50.3	232.8	52,400	165
170	40.6	217.8	56,500	44.6	224.2	53,300	48.2	228.4	50,200	170
175	38.0	211.5	54,100	42.2	218.7	51,000	45.9	223.6	48,000	175
180	35.2	204.6	51,900	39.7	212.8	48,900	43.6	218.4	46,000	180
185	32.2	196.8	49,800	37.0	206.3	46,900	41.2	212.8	44,100	185
190	29.0	188.1	47,800	34.2	199.1	45,000	38.6	206.6	42,300	190
195	25.3	178.0	45,900	31.1	191.0	43,200	35.9	199.8	40,500	195
200	21.1	165.8	44,100	27.7	181.8	41,500	33.0	192.3	38,900	200
205	15.7	150.0	42,300	23.9	171.1	39,800	29.8	183.8	37,400	205
210	6.7	122.7	40,500	19.4	157.9	38,200	26.2	174.1	35,900	210
215				13.3	139.9	36,700	22.2	162.5	34,400	215
220							17.1	147.8	33,000	220
225							9.7	125.4	31,600	225

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

196.9 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
70	74.0	296.9	189,700 *							70
75	72.5	295.3	180,900 *							75
80	70.9	293.6	172,500 *	72.0	294.5	171,200				80
85	69.4	291.7	161,100	70.4	292.7	158,100				85
90	67.8	289.7	149,400	68.9	290.8	146,600				90
95	66.2	287.5	139,200	67.3	288.7	136,600				95
100	64.6	285.1	130,100	65.7	286.4	127,600				100
105	63.0	282.6	122,000	64.1	284.0	119,700	66.9	286.7	113,800	105
110	61.3	279.9	114,800	62.5	281.4	112,500	65.3	284.4	107,000	110
115	59.6	276.9	108,200	60.8	278.6	106,100	63.6	281.9	100,800	115
120	57.9	273.8	102,200	59.1	275.6	100,200	62.0	279.3	95,200	120
125	56.2	270.5	96,800	57.4	272.5	94,900	60.3	276.4	90,100	125
130	54.4	266.9	91,800	55.6	269.0	90,000	58.6	273.4	85,400	130
135	52.5	263.1	87,200	53.8	265.4	85,500	56.9	270.1	81,100	135
140	50.7	259.0	83,000	52.0	261.5	81,300	55.1	266.7	77,100	140
145	48.7	254.7	79,100	50.1	257.4	77,500	53.3	263.0	73,400	145
150	46.7	250.0	75,500	48.1	252.9	73,900	51.4	259.0	70,000	150
155	44.7	245.0	72,100	46.1	248.2	70,600	49.5	254.8	66,800	155
160	42.5	239.6	69,000	44.0	243.0	67,500	47.6	250.2	63,900	160
165	40.3	233.8	66,000	41.9	237.5	64,600	45.5	245.4	61,100	165
170	38.0	227.5	63,200	39.6	231.6	61,900	43.4	240.1	58,500	170
175	35.5	220.6	60,600	37.2	225.1	59,300	41.3	234.5	56,100	175
180	32.8	213.0	58,200	34.7	218.0	56,900	39.0	228.4	53,800	180
185	30.0	204.6	55,900	32.0	210.2	54,600	36.5	221.8	51,600	185
190	26.9	195.0	53,600	29.1	201.4	52,500	34.0	214.5	49,500	190
195	23.3	184.0	51,500	25.8	191.5	50,400	31.2	206.4	47,600	195
200	19.2	170.6	49,500	22.1	179.9	48,400	28.2	197.4	45,700	200
205	13.8	152.9	47,000 *	17.7	165.5	46,600	24.9	187.1	43,900	205
210	2.4	114.0	40,700 *	11.7	145.3	44,700	21.0	174.8	42,200	210
215							16.3	159.3	40,500	215
220							9.3	135.8	38,900	220
225										225
230										230
235										235
240										240
245										245

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

196.9 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	61.5	276.3	80,800							130
135	59.8	273.4	76,700							135
140	58.1	270.3	72,900							140
145	56.3	267.0	69,400							145
150	54.6	263.4	66,200	57.5	266.2	62,300				150
155	52.7	259.6	63,100	55.7	262.9	59,400				155
160	50.9	255.6	60,300	53.9	259.2	56,700				160
165	48.9	251.3	57,600	52.1	255.4	54,200				165
170	47.0	246.6	55,100	50.2	251.2	51,800				170
175	44.9	241.7	52,800	48.2	246.8	49,600	51.3	250.1	46,500	175
180	42.8	236.3	50,600	46.2	242.1	47,500	49.4	245.9	44,500	180
185	40.6	230.6	48,500	44.2	236.9	45,500	47.4	241.3	42,600	185
190	38.2	224.3	46,600	42.0	231.5	43,600	45.4	236.4	40,800	190
195	35.8	217.5	44,700	39.7	225.5	41,900	43.3	231.2	39,100	195
200	33.1	210.0	42,900	37.4	219.1	40,200	41.1	225.5	37,500	200
205	30.3	201.6	41,200	34.9	212.0	38,600	38.8	219.4	36,000	205
210	27.2	192.2	39,600	32.2	204.3	37,000	36.4	212.7	34,500	210
215	23.7	181.4	38,100	29.3	195.6	35,600	33.8	205.4	33,100	215
220	19.7	168.3	36,600	26.0	185.7	34,200	31.0	197.3	31,800	220
225	14.5	151.2	35,100	22.4	174.2	32,800	28.0	188.1	30,500	225
230	5.3	120.1	33,600	18.0	160.0	31,500	24.6	177.7	29,300	230
235				12.1	140.4	30,200	20.7	165.2	28,100	235
240							15.9	149.4	26,900	240
245							8.5	124.7	25,700	245

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

216.5 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
75	74.1	316.0	160,200 *							75
80	72.7	314.4	158,600 *							80
85	71.3	312.7	156,700 *	72.3	313.6	155,500 *				85
90	69.9	310.9	148,300	70.9	311.8	145,400				90
95	68.5	308.9	138,000	69.5	310.0	135,300				95
100	67.1	306.8	128,900	68.1	308.0	126,400				100
105	65.6	304.5	120,800	66.6	305.8	118,400				105
110	64.1	302.1	113,600	65.2	303.5	111,300	67.7	306.0	105,600	110
115	62.6	299.5	107,000	63.7	301.0	104,800	66.2	303.8	99,500	115
120	61.1	296.8	101,000	62.2	298.4	99,000	64.8	301.4	93,900	120
125	59.6	293.9	95,600	60.7	295.6	93,600	63.3	298.9	88,700	125
130	58.0	290.8	90,600	59.1	292.6	88,700	61.8	296.2	84,100	130
135	56.5	287.5	86,100	57.6	289.4	84,300	60.2	293.4	79,800	135
140	54.8	284.0	81,800	56.0	286.1	80,100	58.7	290.4	75,800	140
145	53.2	280.2	77,900	54.3	282.5	76,300	57.1	287.1	72,100	145
150	51.5	276.3	74,300	52.7	278.7	72,700	55.5	283.7	68,700	150
155	49.8	272.1	70,900	51.0	274.7	69,400	53.9	280.1	65,600	155
160	48.0	267.6	67,800	49.2	270.4	66,300	52.2	276.2	62,600	160
165	46.2	262.9	64,800	47.5	265.9	63,400	50.5	272.1	59,800	165
170	44.3	257.8	62,100	45.6	261.0	60,700	48.8	267.8	57,200	170
175	42.3	252.4	59,500	43.7	255.8	58,200	47.0	263.1	54,800	175
180	40.3	246.5	57,100	41.7	250.3	55,800	45.1	258.2	52,500	180
185	38.2	240.3	54,700	39.7	244.3	53,500	43.2	252.9	50,300	185
190	36.0	233.5	52,600	37.5	237.9	51,300	41.2	247.3	48,300	190
195	33.6	226.1	50,500	35.3	230.9	49,300	39.1	241.2	46,400	195
200	31.1	218.0	48,500	32.9	223.4	47,400	36.9	234.6	44,500	200
205	28.4	209.0	46,700	30.3	215.0	45,500	34.6	227.5	42,800	205
210	25.4	198.8	44,900	27.5	205.7	43,800	32.2	219.7	41,100	210
215	22.0	187.0	43,200	24.4	195.1	42,100	29.5	211.1	39,500	215
220	18.0	172.7	41,500	20.8	182.6	40,500	26.6	201.4	38,000	220
225	12.7	153.6	38,800 *	16.5	167.2	38,900	23.4	190.4	36,500	225
230				10.6	145.4	36,800 *	19.7	177.3	35,100	230
235							15.1	160.7	33,700	235
240							8.2	134.9	32,300	240
245										245
250										250
260										260

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

216.5 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	62.8	296.0	75,300							135
140	61.3	293.2	71,500							140
145	59.8	290.3	68,000							145
150	58.2	287.2	64,800							150
155	56.6	284.0	61,700							155
160	55.0	280.5	58,900	57.7	283.2	55,300				160
165	53.4	276.8	56,300	56.1	279.9	52,800				165
170	51.7	272.9	53,800	54.4	276.3	50,400				170
175	50.0	268.7	51,500	52.8	272.5	48,200				175
180	48.2	264.2	49,300	51.1	268.5	46,100				180
185	46.4	259.5	47,200	49.4	264.3	44,100	52.1	267.4	41,100	185
190	44.5	254.5	45,300	47.6	259.7	42,300	50.4	263.2	39,400	190
195	42.6	249.1	43,400	45.7	254.9	40,500	48.6	258.9	37,700	195
200	40.5	243.3	41,700	43.8	249.7	38,800	46.8	254.2	36,100	200
205	38.4	237.1	40,000	41.9	244.2	37,300	45.0	249.2	34,600	205
210	36.2	230.4	38,400	39.8	238.3	35,700	43.0	243.9	33,100	210
215	33.9	223.0	36,900	37.7	231.9	34,300	41.0	238.3	31,800	215
220	31.4	215.0	35,400	35.4	225.0	32,900	38.9	232.1	30,500	220
225	28.7	206.1	34,000	33.0	217.4	31,600	36.7	225.6	29,200	225
230	25.7	196.1	32,700	30.4	209.1	30,300	34.4	218.4	28,000	230
235	22.4	184.5	31,400	27.6	199.8	29,100	32.0	210.5	26,800	235
240	18.4	170.5	30,200	24.6	189.3	27,900	29.3	201.9	25,700	240
245	13.4	152.1	28,900	21.1	177.0	26,800	26.4	192.1	24,700	245
250	3.7	115.9	27,600	16.8	161.9	25,700	23.2	181.0	23,600	250
260							14.7	150.7	21,600	260

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

236.2 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
80	74.2	335.0	132,100 *							80
85	72.9	333.5	130,600 *							85
90	71.7	331.8	129,200 *	72.5	332.6	128,100 *				90
95	70.4	330.0	127,700 *	71.3	330.9	126,800 *				95
100	69.1	328.1	125,900 *	70.0	329.1	125,100				100
105	67.8	326.1	119,600	68.7	327.2	117,100				105
110	66.4	323.9	112,300	67.4	325.1	110,000				110
115	65.1	321.6	105,800	66.0	322.9	103,500				115
120	63.8	319.1	99,800	64.7	320.5	97,700	67.0	323.1	92,400	120
125	62.4	316.5	94,400	63.3	318.0	92,300	65.7	320.8	87,300	125
130	61.0	313.8	89,400	62.0	315.4	87,500	64.3	318.4	82,600	130
135	59.6	310.8	84,800	60.6	312.5	83,000	63.0	315.9	78,300	135
140	58.2	307.7	80,600	59.2	309.6	78,800	61.6	313.2	74,400	140
145	56.7	304.5	76,700	57.7	306.4	75,000	60.2	310.3	70,700	145
150	55.2	301.0	73,100	56.3	303.1	71,400	58.8	307.3	67,300	150
155	53.7	297.4	69,700	54.8	299.6	68,100	57.3	304.1	64,200	155
160	52.2	293.5	66,600	53.3	295.9	65,000	55.9	300.7	61,200	160
165	50.6	289.4	63,600	51.7	291.9	62,100	54.4	297.2	58,500	165
170	49.0	285.1	60,900	50.2	287.8	59,400	52.9	293.4	55,900	170
175	47.4	280.5	58,300	48.5	283.4	56,900	51.3	289.4	53,400	175
180	45.7	275.7	55,800	46.9	278.8	54,500	49.7	285.2	51,100	180
185	44.0	270.6	53,500	45.2	273.8	52,200	48.1	280.7	49,000	185
190	42.2	265.1	51,400	43.4	268.6	50,100	46.4	276.0	47,000	190
195	40.3	259.3	49,300	41.6	263.0	48,100	44.7	271.0	45,000	195
200	38.4	253.0	47,400	39.7	257.1	46,200	42.9	265.7	43,200	200
205	36.4	246.3	45,500	37.8	250.7	44,300	41.1	260.0	41,500	205
210	34.2	239.1	43,700	35.7	243.9	42,600	39.2	253.9	39,800	210
215	32.0	231.2	42,100	33.5	236.4	41,000	37.2	247.4	38,200	215
220	29.5	222.6	40,500	31.2	228.4	39,400	35.1	240.4	36,700	220
225	26.9	213.1	38,900	28.8	219.5	37,900	32.9	232.9	35,300	225
230	24.0	202.3	37,400	26.1	209.6	36,400	30.6	224.6	33,900	230
235	20.8	189.8	36,000	23.1	198.3	35,000	28.0	215.4	32,600	235
240	16.9	174.6	34,600	19.7	185.1	33,700	25.3	205.2	31,300	240
245	11.8	154.0	31,300 *	15.5	168.7	32,400	22.2	193.5	30,100	245
250				9.6	145.1	29,600 *	18.6	179.6	28,900	250
260							7.1	133.5	26,500	260
270										270
280										280

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL | **332,000 lb + 120,000 lb** | **360°**

98.4 ft | **236.2 ft**

	75°			70°			65°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140										140
145	62.5	312.9	66,500							145
150	61.1	310.2	63,300							150
155	59.7	307.3	60,200							155
160	58.3	304.2	57,400							160
165	56.9	301.0	54,800							165
170	55.4	297.5	52,300	57.8	300.2	48,900				170
175	53.9	293.9	50,000	56.4	296.9	46,600				175
180	52.4	290.0	47,800	54.9	293.4	44,600				180
185	50.8	286.0	45,800	53.4	289.7	42,600				185
190	49.2	281.7	43,800	51.8	285.8	40,800				190
195	47.6	277.2	42,000	50.3	281.6	39,000	52.7	284.5	36,100	195
200	45.9	272.4	40,200	48.6	277.3	37,300	51.2	280.5	34,500	200
205	44.2	267.3	38,600	47.0	272.6	35,800	49.6	276.3	33,000	205
210	42.4	261.8	37,000	45.3	267.7	34,300	48.0	271.8	31,600	210
215	40.5	256.0	35,500	43.5	262.5	32,800	46.3	267.1	30,200	215
220	38.6	249.9	34,100	41.7	257.0	31,500	44.6	262.0	28,900	220
225	36.6	243.2	32,700	39.8	251.0	30,200	42.8	256.7	27,700	225
230	34.5	236.0	31,400	37.9	244.7	28,900	41.0	251.0	26,500	230
235	32.2	228.2	30,100	35.8	237.9	27,700	39.1	244.9	25,400	235
240	29.8	219.7	28,900	33.7	230.5	26,600	37.1	238.4	24,300	240
245	27.2	210.3	27,800	31.4	222.5	25,500	35.0	231.3	23,200	245
250	24.4	199.6	26,700	28.9	213.6	24,400	32.8	223.7	22,200	250
260	17.3	172.5	24,500	23.3	192.6	22,400	27.9	206.2	20,300	260
270				15.8	163.4	20,500	22.0	184.0	18,500	270
280							13.8	151.7	16,800	280

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL | **332,000 lb + 120,000 lb** | **360°**

98.4 ft | **255.9 ft**

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
85	74.3	354.1	112,000 *							85
90	73.1	352.5	110,900 *							90
95	71.9	350.9	109,800 *	72.8	351.7	109,100 *				95
100	70.8	349.2	108,700 *	71.6	350.0	108,100 *				100
105	69.6	347.3	107,500 *	70.4	348.3	107,100 *				105
110	68.4	345.3	106,400 *	69.2	346.4	106,100 *				110
115	67.1	343.2	104,700	68.0	344.4	102,400				115
120	65.9	341.0	98,700	66.8	342.2	96,500				120
125	64.7	338.6	93,300	65.5	339.9	91,200	67.7	342.4	86,100	125
130	63.4	336.1	88,300	64.3	337.5	86,300	66.4	340.2	81,400	130
135	62.2	333.5	83,700	63.0	335.0	81,800	65.2	337.9	77,100	135
140	60.9	330.7	79,500	61.8	332.3	77,700	64.0	335.4	73,200	140
145	59.6	327.8	75,600	60.5	329.5	73,900	62.7	332.9	69,500	145
150	58.3	324.7	72,000	59.2	326.5	70,300	61.4	330.1	66,100	150
155	56.9	321.5	68,600	57.9	323.4	67,000	60.1	327.3	63,000	155
160	55.6	318.0	65,500	56.5	320.1	63,900	58.8	324.3	60,000	160
165	54.2	314.5	62,500	55.2	316.6	61,000	57.5	321.1	57,300	165
170	52.8	310.7	59,800	53.8	313.0	58,300	56.1	317.7	54,700	170
175	51.4	306.7	57,200	52.4	309.1	55,800	54.8	314.2	52,300	175
180	49.9	302.5	54,800	50.9	305.1	53,400	53.4	310.5	50,000	180
185	48.4	298.1	52,500	49.5	300.9	51,100	52.0	306.6	47,800	185
190	46.9	293.5	50,300	48.0	296.4	49,000	50.5	302.5	45,800	190
195	45.3	288.5	48,200	46.4	291.6	47,000	49.0	298.2	43,900	195
200	43.7	283.4	46,300	44.8	286.6	45,100	47.5	293.7	42,000	200
205	42.0	277.9	44,500	43.2	281.4	43,300	46.0	288.9	40,300	205
210	40.3	272.0	42,700	41.5	275.8	41,600	44.4	283.8	38,700	210
215	38.5	265.8	41,000	39.8	269.8	39,900	42.7	278.4	37,100	215
220	36.7	259.2	39,400	38.0	263.5	38,300	41.0	272.8	35,600	220
225	34.7	252.1	37,900	36.1	256.7	36,900	39.3	266.7	34,200	225
230	32.7	244.4	36,500	34.1	249.5	35,400	37.5	260.3	32,800	230
235	30.5	236.1	35,100	32.0	241.6	34,100	35.6	253.4	31,500	235
240	28.2	227.0	33,700	29.8	233.1	32,700	33.5	245.9	30,300	240
245	25.7	216.9	32,400	27.4	223.7	31,500	31.4	237.9	29,100	245
250	22.9	205.5	31,200	24.8	213.2	30,300	29.2	229.1	27,900	250
260	15.9	176.2	27,600 *	18.6	187.4	27,900	24.1	208.7	25,700	260
270				8.8	144.5	23,100 *	17.6	181.6	23,700	270
280							6.2	131.6	21,000 *	280
290										290

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

255.9 ft

	75°			70°		
ft	°	ft	lb	°	ft	lb
85						
90						
95						
100						
105						
110						
115						
120						
125						
130						
135						
140						
145						
150						
155	62.3	329.9	59,000			
160	61.0	327.1	56,200			
165	59.7	324.2	53,500			
170	58.4	321.2	51,100			
175	57.1	317.9	48,800			
180	55.7	314.5	46,600	57.9	317.2	43,300
185	54.4	311.0	44,500	56.6	313.9	41,300
190	53.0	307.2	42,600	55.2	310.4	39,500
195	51.5	303.3	40,800	53.9	306.8	37,700
200	50.1	299.1	39,000	52.5	303.0	36,100
205	48.6	294.7	37,400	51.0	298.9	34,500
210	47.1	290.1	35,800	49.5	294.7	33,000
215	45.5	285.2	34,300	48.0	290.2	31,600
220	43.9	280.0	32,900	46.5	285.5	30,200
225	42.2	274.6	31,500	44.9	280.5	29,000
230	40.5	268.8	30,200	43.3	275.3	27,700
235	38.7	262.6	29,000	41.6	269.7	26,500
240	36.9	256.0	27,800	39.9	263.8	25,400
245	34.9	249.0	26,700	38.1	257.5	24,300
250	32.9	241.4	25,600	36.2	250.7	23,300
260	28.4	224.1	23,500	32.2	235.7	21,300
270	23.2	202.9	21,600	27.6	217.9	19,500
280	16.4	174.2	19,700	22.1	195.7	17,700
290				14.9	164.8	16,100

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

275.6 ft

	87°			85°			80°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
90	74.4	373.1	94,400 *							90
95	73.3	371.6	93,300 *							95
100	72.2	370.0	92,300 *	72.9	370.8	91,900 *				100
105	71.1	368.3	91,200 *	71.8	369.1	90,900 *				105
110	70.0	366.5	90,200 *	70.7	367.4	89,900 *				110
115	68.9	364.5	89,200 *	69.6	365.5	89,000 *				115
120	67.7	362.5	88,200 *	68.5	363.6	88,000 *				120
125	66.6	360.3	87,200 *	67.4	361.5	87,100 *				125
130	65.5	358.0	86,200 *	66.3	359.3	85,000				130
135	64.3	355.6	82,500	65.1	357.0	80,500	67.1	359.5	75,700	135
140	63.1	353.1	78,200	64.0	354.5	76,400	65.9	357.3	71,800	140
145	62.0	350.5	74,300	62.8	352.0	72,600	64.8	354.9	68,100	145
150	60.8	347.7	70,700	61.6	349.3	69,000	63.6	352.5	64,700	150
155	59.6	344.7	67,400	60.4	346.5	65,700	62.5	349.8	61,600	155
160	58.4	341.7	64,200	59.2	343.5	62,600	61.3	347.1	58,600	160
165	57.1	338.5	61,300	58.0	340.4	59,700	60.1	344.2	55,900	165
170	55.9	335.1	58,500	56.7	337.1	57,000	58.9	341.2	53,300	170
175	54.6	331.5	55,900	55.5	333.7	54,500	57.6	338.1	50,900	175
180	53.3	327.8	53,500	54.2	330.1	52,100	56.4	334.8	48,600	180
185	52.0	323.9	51,200	52.9	326.3	49,900	55.1	331.3	46,500	185
190	50.6	319.9	49,100	51.6	322.4	47,700	53.8	327.6	44,400	190
195	49.3	315.6	47,000	50.2	318.2	45,700	52.5	323.8	42,500	195
200	47.9	311.1	45,100	48.8	313.9	43,800	51.2	319.8	40,700	200
205	46.4	306.3	43,200	47.4	309.3	42,000	49.8	315.6	39,000	205
210	45.0	301.4	41,500	46.0	304.5	40,300	48.5	311.2	37,300	210
215	43.5	296.1	39,800	44.5	299.5	38,700	47.0	306.6	35,800	215
220	41.9	290.6	38,200	43.0	294.1	37,100	45.6	301.7	34,300	220
225	40.3	284.8	36,700	41.4	288.5	35,600	44.1	296.6	32,900	225
230	38.7	278.6	35,300	39.8	282.6	34,200	42.6	291.2	31,500	230
235	37.0	272.0	33,900	38.2	276.3	32,800	41.0	285.5	30,200	235
240	35.2	265.0	32,500	36.4	269.6	31,500	39.4	279.5	29,000	240
245	33.3	257.5	31,300	34.6	262.4	30,300	37.7	273.1	27,800	245
250	31.3	249.4	30,000	32.7	254.8	29,100	35.9	266.2	26,600	250
260	27.0	231.1	27,700	28.6	237.5	26,800	32.2	251.1	24,500	260
270	21.8	208.5	25,600	23.7	216.6	24,700	27.9	233.5	22,500	270
280	15.1	177.6	21,400 *	17.7	189.4	22,700	23.0	211.9	20,600	280
290				7.9	143.5	17,300 *	16.7	183.4	18,800	290
300							5.2	128.9	15,500 *	300

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

59 + 58 HL

332,000 lb + 120,000 lb

360°

98.4 ft

275.6 ft

ft	75° °	75° ft	75° lb
90			
95			
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160			
165	62.1	346.9	52,100
170	60.9	344.1	49,600
175	59.7	341.2	47,300
180	58.5	338.1	45,100
185	57.3	334.9	43,100
190	56.0	331.6	41,200
195	54.7	328.0	39,300
200	53.4	324.3	37,600
205	52.1	320.5	36,000
210	50.8	316.4	34,400
215	49.4	312.1	32,900
220	48.0	307.7	31,500
225	46.6	303.0	30,100
230	45.1	298.0	28,900
235	43.6	292.8	27,600
240	42.1	287.3	26,400
245	40.5	281.5	25,300
250	38.9	275.4	24,200
260	35.4	261.9	22,200
270	31.5	246.4	20,300
280	27.2	228.3	18,500
290	22.1	206.0	16,800
300	15.5	175.7	15,200

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

78.7 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
38	74.3	203.2	396,100 ***d**							38
40	72.8	202.5	381,300 ***c**							40
45	68.9	200.6	344,700 ***b**	72.2	201.8	353,100 ***c**				45
50	64.9	198.3	312,800 ***b**	68.2	199.9	320,700 ***b**				50
55	60.7	195.5	284,900 ***b**	64.2	197.4	287,500 **b**				55
60	56.4	192.2	260,400 *****	60.0	194.6	255,900 **b**				60
65	51.8	188.3	234,500	55.6	191.2	230,200	64.5	196.0	219,500 **b**	65
70	46.8	183.7	212,900	51.0	187.2	209,000	60.3	193.1	199,300 **b**	70
75	41.4	178.2	194,700	46.0	182.5	191,200	55.9	189.8	182,300	75
80	35.3	171.5	179,100	40.5	176.8	175,900	51.3	185.9	167,700	80
85	28.0	162.7	165,600	34.2	169.8	162,600	46.3	181.2	155,100	85
90	17.8	149.7	147,000 *****	26.5	160.5	151,000	40.8	175.6	144,200	90
95				15.4	146.1	138,200 *****	34.6	168.6	134,400	95
100							27.1	159.6	125,700	100
105							16.3	145.7	117,800	105
110										110
115										115
120										120
125										125
130										130
135										135

REFERENCE ONLY

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Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

78.7 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
38										38
40										40
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80	60.4	190.7	159,500 **b**							80
85	56.0	187.4	147,600							85
90	51.4	183.5	137,100							90
95	46.4	178.8	127,900	55.9	183.9	121,400				95
100	41.0	173.2	119,700	51.3	180.0	113,600				100
105	34.8	166.3	112,400	46.3	175.3	106,700				105
110	27.3	157.4	105,700	40.8	169.7	100,400	50.8	175.3	95,100	110
115	16.7	143.7	99,500	34.6	162.7	94,700	45.8	170.6	89,700	115
120				27.1	153.7	89,400	40.3	164.9	84,800	120
125				16.4	139.9	84,500	34.0	157.8	80,300	125
130							26.3	148.5	76,100	130
135							15.0	133.7	72,000	135

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

98.4 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
45	73.3	221.6	330,400 ***b**							45
50	70.2	219.8	303,100 ***b**	72.8	220.9	308,800 ***b**				50
55	67.1	217.7	278,900 ***b**	69.7	219.1	284,400 ***b**				55
60	63.8	215.2	257,300 *****	66.5	216.9	255,300 **b**				60
65	60.5	212.4	234,200	63.3	214.4	229,700				65
70	57.0	209.2	212,600	59.9	211.5	208,600	66.7	215.4	198,400 **b**	70
75	53.4	205.6	194,500	56.4	208.2	190,800	63.5	213.0	181,500	75
80	49.6	201.4	179,000	52.8	204.5	175,600	60.1	210.1	167,000	80
85	45.6	196.5	165,600	48.9	200.2	162,500	56.6	206.8	154,500	85
90	41.2	191.0	153,900	44.9	195.3	151,000	53.0	203.1	143,600	90
95	36.4	184.4	143,600	40.4	189.5	140,900	49.2	198.9	134,000	95
100	30.9	176.4	134,500	35.5	182.8	131,900	45.1	194.0	125,500	100
105	24.3	166.2	126,200	29.9	174.5	123,900	40.7	188.3	117,800	105
110	15.0	151.0	113,700 *****	23.0	163.8	116,600	35.9	181.6	111,000	110
115				12.7	146.7	107,800 *****	30.3	173.5	104,700	115
120							23.5	162.9	99,000	120
125							13.6	146.6	93,600	125
130										130
135										135
140										140
145										145
150										150
155										155

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

98.4 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	60.2	207.7	136,200							90
95	56.7	204.4	127,100							95
100	53.1	200.7	119,000							100
105	49.3	196.5	111,800	56.6	200.9	105,700				105
110	45.2	191.6	105,200	53.0	197.2	99,500				110
115	40.8	185.9	99,300	49.2	193.0	93,900				115
120	36.0	179.3	93,900	45.1	188.1	88,900	52.7	192.6	83,800	120
125	30.5	171.2	89,000	40.7	182.4	84,200	48.8	188.3	79,400	125
130	23.7	160.8	84,400	35.9	175.7	79,900	44.7	183.4	75,400	130
135	13.9	144.7	80,100	30.3	167.6	75,900	40.3	177.6	71,600	135
140				23.5	157.1	72,200	35.4	170.8	68,200	140
145				13.6	140.7	68,600	29.7	162.5	64,900	145
150							22.8	151.7	61,900	150
155							12.2	134.2	58,900	155

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL | **332,000 lb + 120,000 lb** | **360°**

118.1 ft | **118.1 ft**

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
50	73.6	240.7	289,700 *b							50
55	71.1	239.0	268,800 *b							55
60	68.5	237.0	249,800 *	70.6	238.2	253,700 *b				60
65	65.8	234.7	232,700 *	68.0	236.2	228,700				65
70	63.1	232.2	211,800	65.4	233.9	207,600				70
75	60.3	229.4	193,600	62.6	231.4	189,800				75
80	57.4	226.2	178,200	59.8	228.5	174,600	65.5	232.5	165,700	80
85	54.5	222.7	164,800	56.9	225.2	161,500	62.8	229.9	153,200	85
90	51.4	218.7	153,200	54.0	221.6	150,100	60.0	227.1	142,400	90
95	48.1	214.3	142,900	50.8	217.6	140,100	57.1	223.9	132,800	95
100	44.7	209.3	133,900	47.6	213.1	131,100	54.1	220.3	124,300	100
105	41.1	203.7	125,700	44.1	208.0	123,200	51.0	216.3	116,800	105
110	37.1	197.3	118,400	40.4	202.3	116,000	47.8	211.8	110,000	110
115	32.7	189.7	111,800	36.4	195.7	109,500	44.3	206.7	103,800	115
120	27.7	180.7	105,700	31.9	188.0	103,600	40.7	201.1	98,200	120
125	21.6	169.2	100,200	26.8	178.6	98,200	36.7	194.5	93,100	125
130	12.8	151.7	90,500 *	20.4	166.4	93,100	32.2	186.9	88,300	130
135				10.5	146.7	86,200 *	27.1	177.6	84,000	135
140							20.9	165.7	79,900	140
145							11.4	146.9	76,000	145
150										150
155										155
160										160
165										165
170										170
175										175

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

118.1 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	62.9	227.5	125,600							95
100	60.1	224.6	117,600							100
105	57.2	221.4	110,400							105
110	54.2	217.9	103,900							110
115	51.1	213.9	98,100	57.1	217.9	92,400				115
120	47.9	209.4	92,800	54.1	214.4	87,400				120
125	44.4	204.4	87,900	51.0	210.4	82,800				125
130	40.8	198.7	83,400	47.8	205.9	78,600				130
135	36.8	192.2	79,300	44.3	200.9	74,700	50.7	205.7	70,100	135
140	32.4	184.6	75,500	40.7	195.1	71,100	47.5	201.2	66,700	140
145	27.3	175.4	72,000	36.7	188.6	67,800	44.0	196.1	63,600	145
150	21.1	163.6	68,600	32.2	181.0	64,600	40.3	190.4	60,700	150
155	11.8	145.1	65,400	27.1	171.7	61,700	36.3	183.7	57,900	155
160				20.9	159.8	58,900	31.8	176.0	55,300	160
165				11.4	141.0	56,200	26.6	166.6	52,900	165
170							20.2	154.3	50,600	170
175							10.1	134.0	48,200	175

REFERENCE ONLY!

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

137.8 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
55	73.9	259.7	255,500 *b							55
60	71.7	258.1	239,300 *							60
65	69.5	256.2	224,300 *	71.3	257.4	227,100 *				65
70	67.2	254.1	210,500 *	69.1	255.5	206,600				70
75	64.9	251.8	192,800	66.8	253.3	188,900				75
80	62.6	249.2	177,400	64.5	251.0	173,700				80
85	60.2	246.3	164,000	62.2	248.3	160,600	67.0	251.9	152,200	85
90	57.7	243.2	152,400	59.8	245.4	149,200	64.7	249.5	141,300	90
95	55.2	239.7	142,200	57.3	242.2	139,200	62.3	246.9	131,800	95
100	52.6	236.0	133,100	54.8	238.7	130,300	59.9	244.0	123,300	100
105	49.9	231.8	125,000	52.1	234.9	122,400	57.5	240.8	115,800	105
110	47.1	227.2	117,700	49.4	230.6	115,200	54.9	237.4	109,000	110
115	44.1	222.1	111,200	46.6	226.0	108,800	52.3	233.5	102,900	115
120	41.0	216.4	105,200	43.6	220.8	102,900	49.6	229.3	97,300	120
125	37.6	210.1	99,700	40.4	215.0	97,600	46.8	224.7	92,200	125
130	33.9	202.9	94,700	37.0	208.6	92,700	43.8	219.5	87,500	130
135	29.9	194.5	90,100	33.3	201.1	88,100	40.6	213.8	83,200	135
140	25.2	184.5	85,800	29.2	192.5	83,900	37.2	207.4	79,300	140
145	19.5	171.6	81,700	24.4	182.1	80,000	33.5	200.0	75,600	145
150	11.0	151.8	73,400 *	18.4	168.6	76,300	29.4	191.5	72,200	150
155				8.7	146.0	70,000 *	24.7	181.2	68,900	155
160							18.8	168.0	65,900	160
165							9.6	146.6	62,900	165
170										170
175										175
180										180
185										185
190										190
195										195

REFERENCE ONLY

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

137.8 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	62.4	244.4	109,200							105
110	60.0	241.6	102,800							110
115	57.5	238.4	97,000							115
120	55.0	234.9	91,700							120
125	52.4	231.1	86,900	57.5	234.9	81,600				125
130	49.7	226.9	82,400	54.9	231.5	77,400				130
135	46.8	222.3	78,400	52.3	227.6	73,600				135
140	43.9	217.1	74,600	49.6	223.4	70,000				140
145	40.7	211.4	71,100	46.8	218.8	66,700	52.1	223.0	62,400	145
150	37.3	205.0	67,900	43.8	213.6	63,700	49.3	218.8	59,500	150
155	33.6	197.7	64,900	40.6	207.9	60,800	46.5	214.1	56,800	155
160	29.5	189.2	62,000	37.2	201.5	58,100	43.5	208.9	54,300	160
165	24.8	179.0	59,300	33.5	194.1	55,600	40.3	203.1	51,900	165
170	19.0	165.9	56,800	29.4	185.6	53,200	36.9	196.6	49,700	170
175	10.0	144.9	54,300	24.7	175.4	51,000	33.2	189.2	47,600	175
180				18.8	162.1	48,800	29.0	180.5	45,600	180
185				9.6	140.7	46,700	24.2	170.1	43,700	185
190							18.2	156.4	41,800	190
195							8.3	133.1	40,000	195

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

157.5 ft

	87°			85°			80°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
60	74.1	278.8	227,300 *							60
65	72.1	277.2	214,300 *							65
70	70.2	275.4	202,300 *	71.8	276.5	204,300 *				70
75	68.3	273.4	191,000 *	69.9	274.7	187,700				75
80	66.3	271.2	176,300	67.9	272.6	172,600				80
85	64.2	268.8	163,000	65.9	270.4	159,500				85
90	62.2	266.2	151,400	63.9	268.0	148,100				90
95	60.1	263.3	141,100	61.8	265.3	138,100	66.1	268.9	130,400	95
100	58.0	260.2	132,100	59.7	262.4	129,200	64.0	266.5	122,000	100
105	55.8	256.8	124,000	57.6	259.2	121,300	62.0	263.9	114,400	105
110	53.5	253.1	116,700	55.4	255.8	114,100	59.9	261.0	107,700	110
115	51.2	249.1	110,200	53.1	252.1	107,700	57.7	257.8	101,600	115
120	48.8	244.8	104,200	50.8	248.0	101,800	55.5	254.4	96,000	120
125	46.3	240.1	98,700	48.3	243.6	96,500	53.3	250.7	90,900	125
130	43.6	234.9	93,800	45.8	238.8	91,600	50.9	246.7	86,300	130
135	40.9	229.2	89,200	43.2	233.6	87,100	48.5	242.3	82,000	135
140	38.0	222.9	84,900	40.4	227.8	83,000	46.0	237.5	78,100	140
145	34.8	215.9	81,000	37.4	221.4	79,100	43.4	232.3	74,400	145
150	31.4	207.9	77,300	34.3	214.2	75,500	40.6	226.5	71,100	150
155	27.6	198.7	73,900	30.8	206.1	72,200	37.6	220.2	67,900	155
160	23.2	187.7	70,700	26.9	196.6	69,100	34.5	213.1	64,900	160
165	17.8	173.7	67,200 *	22.4	185.3	66,100	31.0	205.0	62,200	165
170	9.5	151.4	60,000 *	16.7	170.4	63,300	27.2	195.7	59,500	170
175				7.1	144.5	57,200 *	22.7	184.4	57,000	175
180							17.1	169.9	54,700	180
185							8.1	145.6	52,300	185
190										190
195										195
200										200
205										205
210										210
215										215

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

157.5 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	62.0	261.4	95,500							115
120	59.9	258.5	90,200							120
125	57.8	255.4	85,400							125
130	55.6	252.0	81,000							130
135	53.3	248.3	77,000	57.7	251.9	72,000				135
140	51.0	244.3	73,200	55.5	248.5	68,500				140
145	48.6	239.9	69,800	53.3	244.8	65,200				145
150	46.1	235.1	66,600	50.9	240.8	62,200				150
155	43.4	229.9	63,600	48.5	236.4	59,300				155
160	40.7	224.2	60,800	46.0	231.6	56,700	50.7	236.2	52,700	160
165	37.7	217.8	58,200	43.4	226.4	54,200	48.3	231.7	50,400	165
170	34.6	210.7	55,700	40.6	220.6	51,900	45.8	226.9	48,200	170
175	31.1	202.7	53,400	37.6	214.3	49,700	43.1	221.6	46,100	175
180	27.3	193.4	51,200	34.5	207.2	47,600	40.3	215.9	44,200	180
185	22.8	182.2	49,100	31.0	199.1	45,700	37.4	209.4	42,300	185
190	17.3	167.8	47,100	27.2	189.8	43,800	34.2	202.2	40,600	190
195	8.4	144.1	45,000	22.7	178.5	42,000	30.7	194.1	38,900	195
200				17.1	164.0	40,300	26.8	184.6	37,300	200
205				8.1	139.7	38,600	22.2	173.1	35,800	205
210							16.5	158.1	34,300	210
215							6.6	131.4	32,800	215

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

177.2 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
65	74.2	297.8	202,400 *							65
70	72.5	296.3	192,200 *							70
75	70.8	294.5	182,400 *	72.2	295.6	183,800 *				75
80	69.1	292.6	173,200 *	70.5	293.8	171,500				80
85	67.3	290.5	162,000	68.8	291.9	158,400				85
90	65.5	288.2	150,400	67.0	289.7	147,100				90
95	63.7	285.8	140,200	65.2	287.5	137,000				95
100	61.9	283.1	131,100	63.4	285.0	128,200	67.1	288.3	120,800	100
105	60.0	280.2	123,000	61.6	282.3	120,200	65.3	286.0	113,300	105
110	58.1	277.1	115,800	59.7	279.4	113,100	63.5	283.5	106,500	110
115	56.2	273.8	109,200	57.8	276.2	106,700	61.7	280.8	100,400	115
120	54.2	270.2	103,200	55.8	272.8	100,900	59.8	277.9	94,900	120
125	52.1	266.4	97,800	53.9	269.2	95,500	57.9	274.8	89,800	125
130	50.0	262.2	92,800	51.8	265.3	90,700	56.0	271.4	85,200	130
135	47.9	257.7	88,300	49.7	261.1	86,200	54.0	267.8	80,900	135
140	45.6	252.9	84,000	47.5	256.5	82,000	51.9	263.9	77,000	140
145	43.3	247.6	80,100	45.2	251.6	78,200	49.8	259.7	73,400	145
150	40.8	241.9	76,500	42.9	246.3	74,600	47.6	255.2	70,000	150
155	38.2	235.7	73,100	40.4	240.5	71,300	45.4	250.3	66,900	155
160	35.5	228.8	70,000	37.8	234.2	68,200	43.0	245.0	63,900	160
165	32.5	221.2	67,000	35.0	227.2	65,300	40.6	239.3	61,200	165
170	29.3	212.5	64,200	32.0	219.4	62,600	38.0	233.0	58,600	170
175	25.7	202.6	61,600	28.7	210.6	60,000	35.2	226.0	56,200	175
180	21.5	190.7	59,100	25.0	200.3	57,600	32.2	218.3	53,900	180
185	16.3	175.4	55,300 *	20.7	188.0	55,300	28.9	209.5	51,700	185
190	8.1	150.5	49,300 *	15.3	171.8	53,000	25.3	199.4	49,700	190
195				5.5	142.1	46,900 *	21.0	187.2	47,700	195
200							15.7	171.4	45,800	200
205							6.6	143.9	43,800	205
210										210
215										215
220										220
225										225
230										230
235										235

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

177.2 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	61.7	278.4	84,200							125
130	59.9	275.5	79,800							130
135	58.0	272.4	75,800							135
140	56.0	269.0	72,100							140
145	54.0	265.4	68,600	57.9	268.9	63,900				145
150	52.0	261.5	65,400	56.0	265.5	60,900				150
155	49.9	257.3	62,500	54.0	261.9	58,100				155
160	47.7	252.8	59,700	51.9	258.0	55,500				160
165	45.4	248.0	57,100	49.8	253.9	53,000				165
170	43.1	242.7	54,600	47.6	249.3	50,700	51.7	253.4	46,900	170
175	40.6	236.9	52,300	45.4	244.4	48,600	49.6	249.2	44,900	175
180	38.0	230.6	50,200	43.0	239.1	46,500	47.4	244.7	42,900	180
185	35.3	223.7	48,100	40.6	233.4	44,600	45.2	239.7	41,100	185
190	32.3	216.0	46,200	38.0	227.1	42,800	42.8	234.4	39,400	190
195	29.0	207.3	44,400	35.2	220.1	41,000	40.3	228.6	37,800	195
200	25.4	197.2	42,600	32.2	212.4	39,400	37.7	222.2	36,200	200
205	21.2	185.1	40,900	28.9	203.6	37,800	34.9	215.2	34,800	205
210	15.8	169.4	39,300	25.3	193.5	36,300	31.9	207.4	33,300	210
215	7.0	142.6	37,600	21.0	181.4	34,800	28.6	198.6	32,000	215
220				15.7	165.5	33,400	24.9	188.3	30,700	220
225				6.6	138.0	32,000	20.6	175.9	29,400	225
230							15.1	159.5	28,200	230
235							4.9	128.4	26,900	235

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

196.9 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
70	74.3	316.9	179,300 *							70
75	72.8	315.3	173,200 *							75
80	71.2	313.6	165,200 *	72.5	314.7	166,100 *				80
85	69.7	311.8	157,600 *	71.0	312.9	157,200				85
90	68.1	309.8	149,300	69.4	311.1	145,800				90
95	66.5	307.6	139,000	67.9	309.0	135,800				95
100	64.9	305.3	130,000	66.3	306.8	126,900				100
105	63.3	302.8	121,900	64.7	304.5	119,000	68.0	307.5	111,900	105
110	61.6	300.1	114,600	63.0	301.9	111,900	66.4	305.4	105,100	110
115	60.0	297.2	108,100	61.4	299.2	105,500	64.8	303.0	99,000	115
120	58.3	294.1	102,100	59.7	296.3	99,600	63.1	300.5	93,500	120
125	56.5	290.8	96,700	58.0	293.2	94,300	61.5	297.8	88,500	125
130	54.7	287.3	91,700	56.2	289.9	89,500	59.8	294.9	83,800	130
135	52.9	283.5	87,100	54.4	286.3	85,000	58.1	291.8	79,600	135
140	51.1	279.5	82,900	52.6	282.5	80,900	56.3	288.5	75,700	140
145	49.1	275.2	79,000	50.7	278.4	77,000	54.5	284.9	72,100	145
150	47.2	270.6	75,400	48.8	274.1	73,500	52.7	281.1	68,700	150
155	45.1	265.7	72,000	46.8	269.4	70,200	50.9	277.1	65,600	155
160	43.0	260.4	68,900	44.8	264.5	67,100	48.9	272.8	62,700	160
165	40.8	254.7	65,900	42.6	259.1	64,200	46.9	268.1	59,900	165
170	38.5	248.5	63,200	40.4	253.3	61,500	44.9	263.1	57,400	170
175	36.0	241.7	60,600	38.1	247.0	59,000	42.8	257.8	55,000	175
180	33.4	234.3	58,100	35.6	240.1	56,600	40.5	252.0	52,700	180
185	30.6	226.1	55,800	32.9	232.6	54,300	38.2	245.8	50,500	185
190	27.5	216.8	53,600	30.1	224.2	52,100	35.7	238.9	48,500	190
195	24.1	206.1	51,500	27.0	214.7	50,100	33.1	231.4	46,600	195
200	20.1	193.3	49,500	23.5	203.7	48,200	30.3	223.1	44,800	200
205	15.1	176.7	45,300 *	19.3	190.4	46,300	27.2	213.7	43,000	205
210	6.8	148.9	40,200 *	14.0	172.9	43,600 *	23.7	202.8	41,300	210
215				3.7	137.9	38,100 *	19.6	189.7	39,700	215
220							14.4	172.6	38,200	220
225							5.2	141.1	36,300 *	225
230										230
235										235
240										240
245										245
250										250

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

196.9 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	61.5	295.3	74,300							135
140	59.8	292.4	70,600							140
145	58.1	289.3	67,200							145
150	56.4	286.0	64,000							150
155	54.6	282.5	61,000							155
160	52.8	278.7	58,300	56.3	282.6	53,900				160
165	50.9	274.7	55,700	54.6	279.0	51,500				165
170	49.0	270.4	53,300	52.7	275.2	49,200				170
175	47.0	265.7	51,000	50.9	271.2	47,100				175
180	44.9	260.8	48,800	48.9	266.9	45,000	52.6	270.6	41,300	180
185	42.8	255.4	46,800	46.9	262.2	43,100	50.7	266.6	39,600	185
190	40.6	249.7	44,900	44.9	257.3	41,300	48.8	262.2	37,900	190
195	38.3	243.4	43,100	42.8	251.9	39,600	46.8	257.5	36,200	195
200	35.8	236.6	41,400	40.5	246.1	38,000	44.7	252.6	34,700	200
205	33.2	229.1	39,700	38.2	239.9	36,500	42.6	247.2	33,300	205
210	30.4	220.8	38,100	35.7	233.1	35,000	40.3	241.4	31,900	210
215	27.3	211.4	36,600	33.1	225.6	33,600	38.0	235.0	30,600	215
220	23.8	200.6	35,200	30.3	217.2	32,200	35.5	228.2	29,300	220
225	19.7	187.6	33,800	27.2	207.8	30,900	32.9	220.6	28,100	225
230	14.6	170.6	32,500	23.7	196.9	29,700	30.0	212.2	26,900	230
235	5.6	140.3	31,000	19.6	183.8	28,500	26.9	202.6	25,800	235
240				14.4	166.7	27,300	23.4	191.6	24,700	240
245				5.2	135.3	26,000	19.2	178.2	23,700	245
250							13.9	160.6	22,600	250

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

216.5 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
75	74.4	335.9	149,500 *							75
80	73.0	334.4	148,300 *							80
85	71.6	332.7	147,100 *	72.8	333.7	145,500 *				85
90	70.2	330.9	143,600 *	71.4	332.0	144,200 *				90
95	68.8	329.0	137,600 *	70.0	330.2	134,600				95
100	67.4	326.9	128,800	68.5	328.3	125,700				100
105	65.9	324.7	120,700	67.1	326.2	117,800				105
110	64.4	322.3	113,400	65.7	323.9	110,700				110
115	63.0	319.8	106,900	64.2	321.5	104,200	67.2	324.7	97,700	115
120	61.5	317.0	100,900	62.7	318.9	98,400	65.8	322.4	92,100	120
125	59.9	314.2	95,500	61.2	316.2	93,100	64.3	320.0	87,100	125
130	58.4	311.1	90,500	59.7	313.3	88,200	62.8	317.5	82,500	130
135	56.8	307.8	85,900	58.1	310.2	83,700	61.3	314.7	78,300	135
140	55.2	304.4	81,700	56.5	306.9	79,600	59.8	311.8	74,300	140
145	53.5	300.7	77,800	54.9	303.4	75,800	58.2	308.7	70,700	145
150	51.9	296.8	74,200	53.3	299.6	72,300	56.6	305.5	67,400	150
155	50.1	292.6	70,800	51.6	295.7	69,000	55.0	302.0	64,300	155
160	48.4	288.2	67,700	49.9	291.5	65,900	53.4	298.3	61,300	160
165	46.6	283.5	64,800	48.1	287.1	63,000	51.7	294.3	58,600	165
170	44.7	278.5	62,000	46.3	282.3	60,300	50.0	290.2	56,100	170
175	42.8	273.2	59,400	44.4	277.2	57,800	48.2	285.7	53,700	175
180	40.7	267.4	57,000	42.4	271.8	55,400	46.4	281.0	51,400	180
185	38.6	261.2	54,700	40.4	266.0	53,100	44.5	276.0	49,300	185
190	36.4	254.6	52,500	38.3	259.8	51,000	42.5	270.6	47,300	190
195	34.1	247.3	50,400	36.0	253.0	49,000	40.5	264.8	45,400	195
200	31.6	239.4	48,500	33.7	245.6	47,100	38.4	258.5	43,500	200
205	28.9	230.6	46,600	31.2	237.6	45,200	36.2	251.8	41,800	205
210	26.0	220.7	44,800	28.5	228.6	43,500	33.8	244.5	40,200	210
215	22.7	209.3	43,100	25.5	218.5	41,800	31.3	236.5	38,600	215
220	18.9	195.6	40,800 *	22.1	206.7	40,200	28.6	227.6	37,100	220
225	14.0	177.8	37,200 *	18.1	192.6	38,700	25.7	217.5	35,700	225
230	5.6	146.6	32,600 *	13.0	173.7	35,600 *	22.3	205.9	34,300	230
235							18.4	191.9	33,000	235
240							13.3	173.5	31,600	240
245							3.5	136.7	29,300 *	245
250										250
260										260
270										270

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

216.5 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	62.8	315.0	69,100							140
145	61.3	312.3	65,700							145
150	59.8	309.4	62,600							150
155	58.2	306.3	59,600							155
160	56.7	303.0	56,900							160
165	55.1	299.5	54,300							165
170	53.4	295.9	51,900	56.6	299.6	47,700				170
175	51.7	291.9	49,600	55.0	296.1	45,600				175
180	50.0	287.8	47,500	53.4	292.4	43,600				180
185	48.2	283.3	45,500	51.7	288.5	41,700				185
190	46.4	278.6	43,600	50.0	284.3	39,900				190
195	44.5	273.6	41,800	48.2	279.8	38,200	51.5	283.8	34,800	195
200	42.6	268.2	40,000	46.4	275.1	36,600	49.8	279.6	33,200	200
205	40.6	262.4	38,400	44.5	270.1	35,100	48.0	275.2	31,800	205
210	38.5	256.2	36,900	42.5	264.7	33,600	46.2	270.4	30,400	210
215	36.3	249.5	35,400	40.5	258.9	32,200	44.3	265.4	29,100	215
220	33.9	242.2	34,000	38.4	252.7	30,900	42.4	259.9	27,900	220
225	31.4	234.2	32,600	36.2	245.9	29,600	40.3	254.1	26,700	225
230	28.7	225.3	31,300	33.8	238.6	28,400	38.2	247.8	25,600	230
235	25.8	215.3	30,100	31.3	230.6	27,300	36.0	241.1	24,500	235
240	22.4	203.7	28,900	28.6	221.7	26,100	33.6	233.7	23,400	240
245	18.5	189.8	27,700	25.7	211.6	25,100	31.1	225.6	22,400	245
250	13.5	171.6	26,600	22.3	200.0	24,000	28.4	216.6	21,500	250
260				13.4	167.6	22,000	22.0	194.6	19,600	260
270							12.8	161.3	17,800	270

REFERENCE ONLY!

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

236.2 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
80	74.5	355.0	124,400 *							80
85	73.2	353.5	123,200 *							85
90	71.9	351.8	122,100 *	73.0	352.8	120,900 *				90
95	70.6	350.1	120,900 *	71.7	351.1	119,900 *				95
100	69.3	348.2	119,700 *	70.4	349.4	118,800 *				100
105	68.0	346.2	118,500 *	69.1	347.5	116,400				105
110	66.7	344.0	112,200	67.8	345.4	109,300				110
115	65.4	341.7	105,600	66.5	343.3	102,900				115
120	64.0	339.3	99,700	65.2	341.0	97,100	67.9	343.9	90,600	120
125	62.7	336.7	94,200	63.8	338.5	91,800	66.6	341.8	85,600	125
130	61.3	334.0	89,300	62.4	335.9	86,900	65.2	339.5	81,000	130
135	59.9	331.1	84,700	61.1	333.1	82,400	63.9	337.0	76,800	135
140	58.5	328.0	80,500	59.6	330.2	78,300	62.5	334.4	72,900	140
145	57.0	324.8	76,600	58.2	327.1	74,500	61.1	331.7	69,300	145
150	55.6	321.4	73,000	56.8	323.9	71,000	59.7	328.8	65,900	150
155	54.1	317.8	69,600	55.3	320.4	67,700	58.3	325.7	62,800	155
160	52.5	314.0	66,500	53.8	316.8	64,600	56.9	322.5	59,900	160
165	51.0	310.0	63,500	52.3	312.9	61,700	55.4	319.0	57,200	165
170	49.4	305.7	60,800	50.7	308.9	59,000	53.9	315.4	54,700	170
175	47.7	301.2	58,200	49.1	304.5	56,500	52.4	311.5	52,300	175
180	46.1	296.4	55,800	47.5	300.0	54,100	50.8	307.5	50,000	180
185	44.3	291.3	53,500	45.8	295.2	51,900	49.2	303.2	47,900	185
190	42.6	285.9	51,300	44.0	290.0	49,700	47.6	298.7	45,900	190
195	40.7	280.2	49,200	42.2	284.6	47,700	45.9	293.9	44,000	195
200	38.8	274.0	47,300	40.4	278.8	45,800	44.2	288.7	42,200	200
205	36.8	267.4	45,400	38.5	272.5	44,000	42.4	283.3	40,500	205
210	34.7	260.3	43,700	36.4	265.9	42,300	40.5	277.5	38,800	210
215	32.4	252.6	42,000	34.3	258.7	40,700	38.6	271.3	37,300	215
220	30.1	244.1	40,400	32.0	250.8	39,100	36.6	264.7	35,800	220
225	27.5	234.8	38,900	29.6	242.2	37,600	34.4	257.5	34,400	225
230	24.7	224.3	37,400	27.0	232.7	36,100	32.2	249.7	33,100	230
235	21.5	212.2	35,900 *	24.2	222.0	34,800	29.8	241.2	31,800	235
240	17.8	197.6	33,000 *	20.9	209.5	33,400	27.2	231.7	30,500	240
245	13.0	178.6	29,800 *	17.0	194.5	31,600 *	24.3	221.1	29,300	245
250	4.3	143.1	25,700 *	12.0	174.2	28,400 *	21.1	208.7	28,100	250
260							12.4	174.1	25,900	260
270										270
280										280

REFERENCE ONLY

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

236.2 ft

	75°			70°		
ft	°	ft	lb	°	ft	lb
80						
85						
90						
95						
100						
105						
110						
115						
120						
125						
130						
135						
140						
145						
150	62.6	332.0	61,000			
155	61.2	329.2	58,000			
160	59.8	326.4	55,300			
165	58.4	323.3	52,700			
170	56.9	320.0	50,300			
175	55.4	316.6	48,100			
180	53.9	313.0	46,000	56.9	316.6	42,000
185	52.4	309.1	44,000	55.4	313.1	40,100
190	50.8	305.1	42,100	53.9	309.5	38,300
195	49.3	300.8	40,300	52.4	305.6	36,600
200	47.6	296.3	38,600	50.8	301.6	35,000
205	45.9	291.5	37,000	49.2	297.3	33,500
210	44.2	286.4	35,400	47.6	292.8	32,100
215	42.4	281.0	34,000	45.9	288.0	30,700
220	40.6	275.2	32,600	44.2	282.9	29,400
225	38.6	269.0	31,300	42.4	277.4	28,100
230	36.6	262.4	30,000	40.5	271.6	26,900
235	34.5	255.2	28,800	38.6	265.4	25,800
240	32.3	247.4	27,600	36.6	258.8	24,700
245	29.9	238.9	26,500	34.4	251.6	23,700
250	27.3	229.5	25,400	32.2	243.8	22,600
260	21.2	206.6	23,300	27.2	225.8	20,700
270	12.5	172.3	21,300	21.1	202.9	18,900
280				12.4	168.3	17,200

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

255.9 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
85	74.5	374.0	105,900 *							85
90	73.4	372.5	105,000 *							90
95	72.2	370.9	104,100 *							95
100	71.0	369.2	103,200 *	72.0	370.2	102,600 *				100
105	69.8	367.4	102,300 *	70.8	368.5	101,800 *				105
110	68.6	365.4	101,400 *	69.6	366.6	101,000 *				110
115	67.4	363.3	100,500 *	68.4	364.7	100,200 *				115
120	66.2	361.1	98,500	67.2	362.6	95,900				120
125	64.9	358.8	93,100	66.0	360.3	90,600				125
130	63.7	356.3	88,100	64.7	358.0	85,700	67.3	361.1	79,800	130
135	62.4	353.7	83,600	63.5	355.5	81,300	66.0	358.9	75,500	135
140	61.1	351.0	79,400	62.2	352.9	77,200	64.8	356.5	71,600	140
145	59.9	348.1	75,500	60.9	350.1	73,300	63.6	354.0	68,000	145
150	58.5	345.0	71,900	59.6	347.2	69,800	62.3	351.4	64,700	150
155	57.2	341.8	68,500	58.3	344.1	66,500	61.0	348.6	61,600	155
160	55.9	338.4	65,400	57.0	340.9	63,500	59.7	345.7	58,700	160
165	54.5	334.9	62,400	55.6	337.5	60,600	58.4	342.7	56,000	165
170	53.1	331.1	59,700	54.3	333.9	57,900	57.1	339.4	53,400	170
175	51.7	327.2	57,100	52.9	330.1	55,400	55.7	336.0	51,100	175
180	50.2	323.1	54,700	51.4	326.1	53,000	54.3	332.5	48,800	180
185	48.7	318.7	52,400	50.0	321.9	50,800	52.9	328.7	46,700	185
190	47.2	314.1	50,200	48.5	317.5	48,600	51.5	324.7	44,700	190
195	45.6	309.2	48,200	46.9	312.9	46,600	50.1	320.6	42,800	195
200	44.0	304.1	46,200	45.4	308.0	44,700	48.6	316.2	41,000	200
205	42.4	298.7	44,400	43.8	302.8	42,900	47.0	311.6	39,300	205
210	40.7	292.9	42,600	42.1	297.3	41,200	45.5	306.7	37,700	210
215	38.9	286.8	41,000	40.4	291.5	39,600	43.9	301.5	36,200	215
220	37.1	280.2	39,400	38.6	285.3	38,000	42.2	296.1	34,700	220
225	35.1	273.2	37,800	36.7	278.7	36,500	40.5	290.3	33,300	225
230	33.1	265.7	36,400	34.8	271.6	35,100	38.7	284.1	31,900	230
235	31.0	257.5	35,000	32.8	264.0	33,800	36.9	277.5	30,700	235
240	28.7	248.6	33,700	30.6	255.7	32,500	34.9	270.5	29,400	240
245	26.2	238.7	32,400	28.3	246.6	31,200	32.9	262.9	28,200	245
250	23.5	227.6	30,900 *	25.8	236.6	30,000	30.7	254.6	27,100	250
260	16.8	199.5	25,900 *	19.8	212.1	27,300 *	25.9	235.6	25,000	260
270	2.6	137.1	19,400 *	11.1	174.5	22,000 *	20.0	211.4	22,900	270
280							11.5	174.5	20,400 *	280
290										290

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

255.9 ft

	75°		
ft	°	ft	lb
85			
90			
95			
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160	62.3	349.0	54,000
165	61.0	346.2	51,400
170	59.8	343.3	49,100
175	58.4	340.2	46,800
180	57.1	337.0	44,700
185	55.8	333.6	42,700
190	54.4	330.0	40,800
195	53.0	326.3	39,000
200	51.6	322.4	37,300
205	50.1	318.2	35,700
210	48.6	313.8	34,200
215	47.1	309.2	32,800
220	45.5	304.3	31,400
225	43.9	299.2	30,100
230	42.3	293.7	28,800
235	40.5	287.9	27,600
240	38.8	281.8	26,400
245	36.9	275.2	25,300
250	35.0	268.1	24,200
260	30.8	252.3	22,200
270	26.0	233.4	20,400
280	20.1	209.2	18,600
290	11.7	172.7	16,900

REFERENCE ONLY!

59 + 58 HL

332,000 lb + 120,000 lb

360°

118.1 ft

275.6 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
90	74.6	393.1	89,700 *							90
95	73.5	391.6	88,900 *							95
100	72.4	390.0	88,000 *							100
105	71.3	388.3	87,100 *	72.2	389.3	86,700 *				105
110	70.2	386.5	86,200 *	71.1	387.6	85,900 *				110
115	69.1	384.6	85,400 *	70.0	385.8	85,100 *				115
120	68.0	382.6	84,500 *	68.9	383.9	84,400 *				120
125	66.8	380.4	83,700 *	67.8	381.8	83,600 *				125
130	65.7	378.2	82,800 *	66.7	379.7	82,800 *				130
135	64.6	375.8	82,000 *	65.5	377.4	80,000	67.9	380.3	74,100	135
140	63.4	373.3	78,100	64.4	375.0	75,800	66.7	378.2	70,200	140
145	62.2	370.7	74,200	63.2	372.5	72,000	65.6	375.9	66,600	145
150	61.0	367.9	70,600	62.0	369.8	68,500	64.4	373.5	63,300	150
155	59.8	365.0	67,200	60.8	367.0	65,200	63.3	371.0	60,200	155
160	58.6	362.0	64,100	59.6	364.1	62,100	62.1	368.4	57,300	160
165	57.4	358.8	61,200	58.4	361.1	59,300	60.9	365.6	54,600	165
170	56.1	355.4	58,400	57.2	357.8	56,600	59.7	362.7	52,000	170
175	54.9	351.9	55,800	55.9	354.5	54,100	58.5	359.6	49,600	175
180	53.6	348.3	53,400	54.6	350.9	51,700	57.2	356.4	47,400	180
185	52.3	344.4	51,100	53.3	347.2	49,400	56.0	353.1	45,300	185
190	50.9	340.4	49,000	52.0	343.3	47,300	54.7	349.5	43,300	190
195	49.6	336.1	46,900	50.7	339.3	45,300	53.4	345.8	41,400	195
200	48.2	331.7	45,000	49.3	335.0	43,400	52.1	342.0	39,600	200
205	46.7	327.0	43,100	47.9	330.5	41,600	50.8	337.9	37,900	205
210	45.3	322.1	41,400	46.5	325.8	39,900	49.4	333.6	36,300	210
215	43.8	316.9	39,700	45.0	320.8	38,300	48.0	329.2	34,800	215
220	42.2	311.4	38,100	43.5	315.6	36,800	46.6	324.5	33,300	220
225	40.7	305.7	36,600	42.0	310.1	35,300	45.1	319.5	31,900	225
230	39.0	299.5	35,200	40.4	304.3	33,900	43.6	314.3	30,600	230
235	37.3	293.1	33,800	38.7	298.1	32,500	42.1	308.8	29,300	235
240	35.5	286.2	32,500	37.0	291.5	31,200	40.5	303.0	28,100	240
245	33.7	278.8	31,200	35.2	284.5	30,000	38.8	296.9	26,900	245
250	31.7	270.8	30,000	33.4	277.1	28,800	37.1	290.3	25,800	250
260	27.4	252.8	27,700	29.3	260.3	26,500	33.5	275.9	23,700	260
270	22.4	230.8	24,300 *	24.6	240.2	24,400	29.4	259.2	21,700	270
280	15.9	201.1	19,800 *	18.9	214.4	21,000 *	24.8	239.2	19,900	280
290				10.3	174.5	16,300 *	19.1	213.7	18,100	290
300							10.7	174.6	14,900 *	300

REFERENCE ONLY

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

78.7 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
40	73.6	222.5	333,000 ***d**							40
45	69.7	220.7	309,200 ***c**							45
50	65.7	218.4	285,400 ***b**	69.6	220.2	293,200 ***c**				50
55	61.6	215.8	264,000 ***b**	65.6	217.9	271,300 ***b**				55
60	57.3	212.6	244,800 *	61.5	215.2	251,600 ***b**				60
65	52.7	208.8	227,500 *	57.2	212.0	229,200	67.2	217.0	216,500 **b**	65
70	47.9	204.4	211,700 *	52.6	208.3	208,100	63.2	214.5	196,500 **b**	70
75	42.6	199.1	194,500	47.7	203.8	190,300	58.9	211.5	179,800 **b**	75
80	36.6	192.6	178,900	42.4	198.5	175,100	54.5	208.0	165,400	80
85	29.6	184.4	164,000 *	36.4	192.0	161,900	49.7	203.9	153,000	85
90	20.3	172.7	147,800 *	29.4	183.7	150,400	44.6	198.9	142,200	90
95				20.0	171.8	140,100	38.9	192.9	132,600	95
100							32.4	185.4	124,100	100
105							24.2	175.4	116,400	105
110							10.6	157.4	109,200	110
115										115
120										120
125										125
130										130
135										135
140										140
145										145

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

78.7 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
40										40
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85	60.5	209.8	144,000 **b**							85
90	56.1	206.5	133,900							90
95	51.5	202.6	124,900							95
100	46.5	197.9	116,900	57.5	203.6	109,600 **b**				100
105	41.1	192.3	109,700	52.9	199.9	102,900				105
110	34.9	185.5	103,300	48.1	195.5	96,900				110
115	27.5	176.6	97,300	42.8	190.2	91,400				115
120	17.0	163.1	91,800	36.9	183.8	86,400	49.2	191.7	80,800	120
125				29.9	175.7	81,800	44.0	186.6	76,500	125
130				20.8	164.1	77,400	38.3	180.5	72,500	130
135							31.6	172.8	68,900	135
140							23.1	162.3	65,400	140
145							7.4	141.3	61,900	145

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

98.4 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
45	73.9	241.6	293,700 ***c**							45
50	70.9	239.9	273,400 ***b**							50
55	67.7	237.8	254,900 ***b**	70.8	239.4	260,700 ***b**				55
60	64.5	235.4	238,100 ***b**	67.6	237.3	243,600 ***b**				60
65	61.2	232.7	222,800 *	64.4	234.9	227,900 ***b**				65
70	57.7	229.6	208,800 *	61.1	232.2	207,500				70
75	54.2	226.0	194,200	57.6	229.0	189,800	65.7	234.1	178,900 **b**	75
80	50.4	221.9	178,700	54.0	225.4	174,700	62.4	231.5	164,600	80
85	46.4	217.2	165,400	50.3	221.3	161,700	59.0	228.5	152,300	85
90	42.1	211.8	153,700	46.3	216.6	150,300	55.5	225.1	141,500	90
95	37.4	205.5	143,400	42.0	211.2	140,200	51.8	221.2	132,100	95
100	32.1	197.9	134,300	37.3	204.8	131,300	47.9	216.8	123,600	100
105	25.8	188.3	126,100	32.0	197.2	123,300	43.8	211.7	116,100	105
110	17.3	174.6	114,900 *	25.6	187.5	116,000	39.2	205.7	109,400	110
115				17.0	173.6	109,400	34.2	198.6	103,200	115
120							28.3	189.9	97,600	120
125							20.9	178.1	92,400	125
130							7.8	156.2	87,400	130
135										135
140										140
145										145
150										150
155										155
160										160
165										165

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

98.4 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	60.3	226.7	123,900							95
100	56.8	223.5	116,000							100
105	53.2	219.8	108,900							105
110	49.4	215.6	102,600	57.9	220.6	95,800				110
115	45.3	210.7	96,800	54.3	217.1	90,400				115
120	40.9	205.1	91,600	50.5	213.0	85,500				120
125	36.1	198.4	86,800	46.6	208.4	81,000				125
130	30.6	190.4	82,300	42.3	203.0	76,900	51.4	209.1	71,500	130
135	23.9	180.0	78,200	37.6	196.7	73,100	47.5	204.6	68,000	135
140	14.2	164.2	74,300	32.3	189.1	69,500	43.3	199.4	64,700	140
145				26.1	179.6	66,200	38.7	193.3	61,600	145
150				17.7	166.1	63,100	33.6	186.1	58,800	150
155							27.6	177.1	56,000	155
160							19.9	164.9	53,500	160
165							3.1	136.5	50,700	165

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

118.1 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
50	74.2	260.6	257,600 *b							50
55	71.6	259.0	242,000 *b							55
60	69.0	257.1	227,500 *b	71.5	258.5	231,800 *b				60
65	66.4	254.9	214,100 *	68.9	256.6	218,200 *				65
70	63.7	252.4	201,700 *	66.3	254.4	205,700 *				70
75	60.9	249.7	190,300 *	63.6	251.9	188,800				75
80	58.0	246.6	177,900	60.8	249.1	173,700	67.4	253.4	163,200	80
85	55.1	243.1	164,600	57.9	246.0	160,700	64.7	251.1	150,900	85
90	52.0	239.2	152,900	55.0	242.5	149,300	61.9	248.4	140,200	90
95	48.8	234.9	142,700	51.9	238.7	139,300	59.1	245.5	130,800	95
100	45.4	230.1	133,600	48.7	234.3	130,400	56.2	242.1	122,400	100
105	41.8	224.6	125,500	45.3	229.4	122,500	53.2	238.4	115,000	105
110	38.0	218.3	118,200	41.7	223.9	115,400	50.0	234.3	108,200	110
115	33.7	211.1	111,600	37.8	217.7	108,900	46.7	229.6	102,200	115
120	28.8	202.4	105,600	33.5	210.4	103,000	43.2	224.4	96,600	120
125	23.0	191.5	100,000	28.7	201.7	97,700	39.4	218.5	91,600	125
130	15.1	175.9	91,100 *	22.8	190.7	92,700	35.3	211.6	87,000	130
135				14.7	174.8	87,700 *	30.7	203.5	82,700	135
140							25.3	193.6	78,700	140
145							18.4	180.3	74,900	145
150							5.1	153.4	71,200	150
155										155
160										160
165										165
170										170
175										175
180										180

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

118.1 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	62.9	246.6	114,400							100
105	60.1	243.7	107,400							105
110	57.3	240.5	101,100							110
115	54.3	236.9	95,400							115
120	51.2	232.9	90,200							120
125	47.9	228.5	85,500	55.2	234.1	79,500				125
130	44.5	223.5	81,200	52.1	230.3	75,400				130
135	40.8	217.8	77,200	48.9	226.0	71,700				135
140	36.9	211.3	73,500	45.6	221.2	68,200	52.8	226.3	63,100	140
145	32.4	203.7	70,000	42.0	215.7	65,000	49.7	222.1	60,100	145
150	27.4	194.6	66,800	38.1	209.5	62,000	46.3	217.4	57,300	150
155	21.2	182.8	63,700	33.8	202.3	59,200	42.8	212.1	54,700	155
160	12.0	164.6	60,800	29.0	193.7	56,600	39.0	206.1	52,200	160
165				23.2	182.9	54,100	34.8	199.1	49,900	165
170				15.4	167.6	51,600	30.2	190.9	47,700	170
175							24.7	180.7	45,700	175
180							17.5	166.8	43,700	180

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

137.8 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
55	74.3	279.7	228,900 *b							55
60	72.1	278.1	216,500 *							60
65	69.9	276.3	204,900 *	72.1	277.6	208,300 *				65
70	67.7	274.2	194,100 *	69.9	275.8	197,300 *				70
75	65.4	271.9	183,900 *	67.6	273.7	187,100 *				75
80	63.1	269.4	174,500 *	65.3	271.4	172,800				80
85	60.7	266.6	163,800	63.0	268.9	159,700				85
90	58.2	263.5	152,200	60.6	266.1	148,400	66.2	270.5	139,100	90
95	55.7	260.1	141,900	58.2	263.0	138,400	63.9	268.1	129,700	95
100	53.1	256.4	132,900	55.7	259.6	129,600	61.6	265.4	121,300	100
105	50.5	252.3	124,800	53.1	255.9	121,700	59.2	262.4	113,900	105
110	47.7	247.8	117,500	50.4	251.8	114,600	56.7	259.2	107,200	110
115	44.7	242.9	111,000	47.6	247.2	108,200	54.1	255.6	101,200	115
120	41.6	237.3	105,000	44.6	242.2	102,300	51.5	251.6	95,700	120
125	38.3	231.1	99,500	41.5	236.7	97,000	48.7	247.3	90,700	125
130	34.7	224.1	94,500	38.2	230.5	92,100	45.8	242.5	86,100	130
135	30.8	216.0	89,900	34.6	223.4	87,600	42.8	237.2	81,900	135
140	26.3	206.4	85,600	30.6	215.3	83,500	39.6	231.2	78,000	140
145	20.8	194.3	81,600	26.1	205.6	79,600	36.1	224.5	74,300	145
150	13.2	176.8	74,000 *	20.6	193.4	75,900	32.3	216.9	70,900	150
155				12.9	175.6	71,400 *	28.0	207.9	67,800	155
160							23.0	196.9	64,800	160
165							16.5	182.1	62,000	165
170										170
175										175
180										180
185										185
190										190
195										195
200										200

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

137.8 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	62.4	263.5	99,900							110
115	60.0	260.6	94,200							115
120	57.6	257.5	89,100							120
125	55.1	254.0	84,400							125
130	52.4	250.2	80,100							130
135	49.7	246.0	76,100	55.8	251.2	70,400				135
140	46.9	241.4	72,400	53.2	247.5	67,000				140
145	43.9	236.3	69,100	50.6	243.4	63,800				145
150	40.8	230.6	65,900	47.8	238.9	60,900				150
155	37.4	224.2	62,900	44.8	234.0	58,100	51.2	239.5	53,400	155
160	33.7	216.9	60,200	41.7	228.4	55,600	48.4	235.1	51,000	160
165	29.6	208.4	57,600	38.4	222.3	53,200	45.5	230.2	48,800	165
170	24.9	198.3	55,100	34.9	215.3	50,900	42.5	224.9	46,700	170
175	19.1	185.2	52,800	30.9	207.2	48,700	39.2	218.9	44,700	175
180	10.2	164.5	50,500	26.4	197.7	46,700	35.7	212.1	42,800	180
185				21.0	185.7	44,700	31.8	204.3	41,000	185
190				13.6	168.5	42,800	27.5	195.1	39,300	190
195							22.4	183.8	37,600	195
200							15.6	168.3	36,000	200

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

157.5 ft

	87°			85°			80°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
60	74.4	298.7	203,200 *							60
65	72.5	297.2	193,300 *							65
70	70.6	295.4	183,900 *	72.5	296.7	186,500 *				70
75	68.7	293.5	175,100 *	70.5	294.9	177,600 *				75
80	66.7	291.3	166,800 *	68.6	293.0	169,300 *				80
85	64.7	289.0	159,000 *	66.6	290.8	158,500				85
90	62.6	286.4	151,100	64.6	288.4	147,200				90
95	60.5	283.6	140,900	62.6	285.9	137,200	67.4	289.9	128,200	95
100	58.4	280.5	131,800	60.5	283.0	128,400	65.4	287.6	119,900	100
105	56.2	277.2	123,800	58.3	280.0	120,500	63.4	285.1	112,500	105
110	54.0	273.6	116,500	56.1	276.6	113,400	61.3	282.4	105,800	110
115	51.7	269.6	109,900	53.9	273.0	107,000	59.2	279.4	99,800	115
120	49.3	265.4	104,000	51.6	269.1	101,200	57.0	276.2	94,300	120
125	46.8	260.7	98,600	49.2	264.8	95,900	54.8	272.6	89,400	125
130	44.2	255.6	93,600	46.7	260.1	91,100	52.5	268.9	84,800	130
135	41.5	250.1	89,000	44.1	255.0	86,600	50.2	264.7	80,600	135
140	38.6	243.9	84,800	41.4	249.4	82,500	47.7	260.2	76,700	140
145	35.5	237.1	80,800	38.5	243.3	78,600	45.2	255.3	73,100	145
150	32.1	229.3	77,200	35.4	236.4	75,100	42.5	249.9	69,800	150
155	28.4	220.4	73,800	32.0	228.6	71,800	39.7	244.0	66,700	155
160	24.2	209.9	70,600	28.3	219.7	68,600	36.7	237.4	63,700	160
165	19.0	196.6	66,900 *	24.0	209.1	65,700	33.4	230.0	61,000	165
170	11.7	177.2	60,300 *	18.8	195.7	62,900	29.9	221.6	58,400	170
175				11.4	175.9	58,200 *	25.8	211.7	56,000	175
180							21.1	199.7	53,700	180
185							14.9	183.4	51,500	185
190										190
195										195
200										200
205										205
210										210
215										215
220										220

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

157.5 ft

	75°			70°			65°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	62.1	280.5	87,500							120
125	60.0	277.6	82,800							125
130	57.8	274.5	78,600							130
135	55.6	271.1	74,600							135
140	53.4	267.4	71,000							140
145	51.0	263.4	67,600	56.3	268.2	62,200				145
150	48.6	259.0	64,500	54.1	264.6	59,300				150
155	46.1	254.2	61,600	51.7	260.7	56,600				155
160	43.5	249.0	58,900	49.4	256.5	54,000				160
165	40.7	243.3	56,300	46.9	251.8	51,700	52.3	256.7	47,100	165
170	37.8	237.0	53,900	44.3	246.7	49,400	49.9	252.6	45,000	170
175	34.6	229.9	51,700	41.6	241.2	47,300	47.4	248.0	43,100	175
180	31.2	221.9	49,500	38.7	235.1	45,300	44.9	243.1	41,200	180
185	27.4	212.6	47,500	35.6	228.2	43,500	42.2	237.6	39,500	185
190	22.9	201.5	45,500	32.3	220.5	41,700	39.3	231.6	37,800	190
195	17.4	187.1	43,700	28.6	211.7	40,000	36.3	224.9	36,300	195
200	8.7	163.8	41,800	24.3	201.2	38,300	33.0	217.5	34,800	200
205				19.2	188.1	36,800	29.4	208.9	33,300	205
210				12.1	169.0	35,200	25.4	198.9	31,900	210
215							20.5	186.5	30,600	215
220							14.0	169.4	29,300	220

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

177.2 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
65	74.5	317.8	182,400 *							65
70	72.8	316.2	174,400 *							70
75	71.1	314.5	166,700 *	72.8	315.8	168,700 *				75
80	69.4	312.7	159,400 *	71.1	314.0	161,400 *				80
85	67.7	310.6	152,500 *	69.4	312.2	154,400 *				85
90	65.9	308.4	145,900 *	67.6	310.1	146,200				90
95	64.1	306.0	139,600 *	65.8	307.9	136,200				95
100	62.3	303.3	130,800	64.0	305.4	127,400				100
105	60.4	300.5	122,800	62.2	302.8	119,500	66.6	307.0	111,300	105
110	58.5	297.5	115,500	60.4	300.0	112,400	64.8	304.6	104,600	110
115	56.6	294.2	109,000	58.5	296.9	106,000	63.0	302.0	98,600	115
120	54.6	290.6	103,000	56.5	293.6	100,200	61.1	299.3	93,200	120
125	52.6	286.9	97,600	54.5	290.1	94,900	59.2	296.3	88,200	125
130	50.5	282.8	92,600	52.5	286.3	90,100	57.3	293.1	83,600	130
135	48.3	278.3	88,100	50.4	282.2	85,600	55.3	289.7	79,500	135
140	46.1	273.6	83,900	48.3	277.8	81,500	53.3	286.0	75,600	140
145	43.8	268.4	80,000	46.0	273.0	77,700	51.3	282.0	72,000	145
150	41.3	262.8	76,300	43.7	267.8	74,200	49.1	277.7	68,700	150
155	38.8	256.7	73,000	41.3	262.2	70,900	46.9	273.1	65,600	155
160	36.1	249.9	69,800	38.7	256.0	67,800	44.6	268.1	62,700	160
165	33.2	242.5	66,800	36.0	249.3	64,900	42.3	262.7	60,000	165
170	30.0	234.1	64,100	33.1	241.8	62,200	39.7	256.7	57,500	170
175	26.5	224.4	61,400	29.9	233.3	59,600	37.1	250.2	55,100	175
180	22.5	213.0	58,900	26.4	223.6	57,200	34.3	243.1	52,800	180
185	17.5	198.6	55,100 *	22.3	212.1	54,900	31.2	235.0	50,700	185
190	10.4	177.1	49,600 *	17.3	197.6	52,700	27.8	225.9	48,700	190
195				10.1	175.7	47,900 *	24.0	215.2	46,700	195
200							19.5	202.1	44,900	200
205							13.5	184.3	43,100	205
210										210
215										215
220										220
225										225
230										230
235										235
240										240

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

177.2 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	61.8	297.4	77,300							130
135	59.9	294.5	73,400							135
140	58.0	291.4	69,700							140
145	56.1	288.1	66,400							145
150	54.1	284.5	63,300							150
155	52.0	280.6	60,400	56.7	285.2	55,300				155
160	49.9	276.4	57,700	54.7	281.7	52,800				160
165	47.7	271.9	55,200	52.6	277.9	50,400				165
170	45.5	267.1	52,800	50.6	273.8	48,200				170
175	43.1	261.8	50,600	48.4	269.4	46,100				175
180	40.7	256.1	48,500	46.2	264.7	44,100	51.0	269.9	39,900	180
185	38.1	249.8	46,500	43.9	259.5	42,300	48.9	265.6	38,200	185
190	35.3	242.9	44,600	41.4	253.9	40,500	46.7	260.9	36,600	190
195	32.3	235.2	42,800	38.9	247.8	38,900	44.4	255.8	35,000	195
200	29.1	226.5	41,100	36.2	241.1	37,300	42.0	250.4	33,600	200
205	25.5	216.4	39,400	33.3	233.7	35,800	39.5	244.4	32,200	205
210	21.2	204.4	37,900	30.1	225.3	34,300	36.8	237.8	30,800	210
215	15.9	188.7	36,400	26.6	215.7	32,900	33.9	230.5	29,600	215
220	7.3	162.5	34,800	22.6	204.4	31,600	30.9	222.4	28,300	220
225				17.7	190.1	30,300	27.4	213.1	27,200	225
230				10.7	169.1	29,000	23.6	202.2	26,000	230
235							18.9	188.8	24,900	235
240							12.7	170.1	23,800	240

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

196.9 ft

	87°			85°			80°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
70	74.6	336.8	162,200 *							70
75	73.1	335.3	157,400 *							75
80	71.6	333.6	151,100 *							80
85	70.0	331.8	145,000 *	71.5	333.2	146,600 *				85
90	68.4	329.9	139,200 *	70.0	331.3	140,800 *				90
95	66.9	327.7	133,600 *	68.4	329.4	134,900				95
100	65.3	325.4	128,300 *	66.8	327.2	126,100				100
105	63.6	323.0	121,600	65.2	324.9	118,200				105
110	62.0	320.3	114,400	63.6	322.4	111,200	67.5	326.3	103,200	110
115	60.3	317.5	107,800	61.9	319.8	104,800	65.9	324.0	97,200	115
120	58.6	314.4	101,900	60.3	316.9	99,000	64.2	321.6	91,700	120
125	56.9	311.2	96,500	58.6	313.9	93,700	62.6	319.0	86,800	125
130	55.1	307.7	91,500	56.8	310.6	88,800	60.9	316.3	82,200	130
135	53.3	304.0	86,900	55.1	307.2	84,400	59.3	313.3	78,100	135
140	51.4	300.0	82,700	53.2	303.4	80,300	57.5	310.1	74,200	140
145	49.5	295.8	78,800	51.4	299.5	76,500	55.8	306.7	70,600	145
150	47.6	291.3	75,200	49.5	295.2	73,000	54.0	303.1	67,300	150
155	45.5	286.4	71,900	47.5	290.7	69,700	52.1	299.3	64,300	155
160	43.4	281.2	68,700	45.5	285.8	66,600	50.2	295.1	61,400	160
165	41.2	275.5	65,800	43.4	280.6	63,800	48.3	290.7	58,700	165
170	38.9	269.5	63,000	41.2	274.9	61,100	46.3	286.0	56,200	170
175	36.5	262.8	60,400	38.9	268.8	58,500	44.2	280.9	53,800	175
180	34.0	255.5	58,000	36.4	262.1	56,100	42.1	275.4	51,600	180
185	31.2	247.5	55,700	33.9	254.9	53,900	39.8	269.5	49,500	185
190	28.2	238.4	53,500	31.1	246.8	51,800	37.4	263.1	47,500	190
195	24.8	228.1	51,400	28.1	237.7	49,700	34.9	256.0	45,600	195
200	21.0	215.8	49,100 *	24.7	227.3	47,800	32.2	248.3	43,800	200
205	16.2	200.3	45,100 *	20.8	214.9	45,900	29.3	239.6	42,100	205
210	9.2	176.7	40,500 *	16.1	199.3	43,500 *	26.1	229.8	40,400	210
215				8.9	175.2	39,000 *	22.5	218.4	38,800	215
220							18.1	204.3	37,300	220
225							12.3	184.9	35,800	225
230										230
235										235
240										240
245										245
250										250
260										260

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

196.9 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135										135
140	61.5	314.4	68,200							140
145	59.9	311.5	64,900							145
150	58.2	308.4	61,800							150
155	56.4	305.1	58,900							155
160	54.6	301.6	56,200							160
165	52.8	297.8	53,700	56.9	302.2	48,800				165
170	50.9	293.8	51,300	55.2	298.8	46,600				170
175	49.0	289.5	49,100	53.4	295.1	44,500				175
180	47.0	284.8	47,000	51.5	291.1	42,600				180
185	45.0	279.9	45,100	49.6	286.9	40,700				185
190	42.9	274.5	43,200	47.6	282.4	39,000	51.9	287.1	34,900	190
195	40.6	268.8	41,400	45.6	277.5	37,400	50.0	283.0	33,400	195
200	38.3	262.6	39,800	43.5	272.3	35,800	48.1	278.5	31,900	200
205	35.9	255.8	38,200	41.3	266.7	34,300	46.1	273.7	30,600	205
210	33.2	248.3	36,600	39.0	260.6	32,900	44.0	268.6	29,300	210
215	30.4	240.0	35,200	36.6	254.0	31,600	41.8	263.1	28,000	215
220	27.3	230.6	33,800	34.1	246.7	30,300	39.6	257.1	26,800	220
225	23.9	219.9	32,500	31.3	238.7	29,000	37.2	250.6	25,700	225
230	19.8	206.9	31,200	28.3	229.7	27,900	34.6	243.5	24,600	230
235	14.7	190.0	29,900	25.0	219.4	26,700	31.9	235.7	23,500	235
240	5.9	160.4	28,600	21.1	207.2	25,600	29.0	226.9	22,500	240
245				16.4	191.8	24,500	25.8	217.0	21,500	245
250				9.6	168.8	23,400	22.1	205.3	20,600	250
260							11.5	170.4	18,700	260

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

216.5 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
75	74.7	355.9	136,100 *							75
80	73.3	354.4	135,200 *							80
85	71.9	352.7	134,300 *							85
90	70.5	351.0	131,100 *	71.9	352.2	132,200 *				90
95	69.1	349.1	126,300 *	70.5	350.5	127,500 *				95
100	67.7	347.0	121,700 *	69.0	348.6	122,800 *				100
105	66.2	344.8	117,200 *	67.6	346.5	117,000				105
110	64.7	342.5	112,800 *	66.2	344.3	109,900				110
115	63.3	340.0	106,600	64.7	341.9	103,500				115
120	61.8	337.3	100,700	63.2	339.4	97,700	66.7	343.4	90,300	120
125	60.2	334.4	95,200	61.7	336.7	92,400	65.3	341.1	85,400	125
130	58.7	331.4	90,300	60.2	333.9	87,600	63.8	338.6	80,800	130
135	57.1	328.2	85,700	58.6	330.9	83,100	62.3	336.0	76,700	135
140	55.5	324.7	81,500	57.1	327.6	79,000	60.8	333.2	72,800	140
145	53.9	321.1	77,600	55.5	324.2	75,200	59.3	330.2	69,300	145
150	52.2	317.3	74,000	53.8	320.6	71,700	57.7	327.1	66,000	150
155	50.5	313.2	70,700	52.2	316.7	68,400	56.1	323.8	62,900	155
160	48.7	308.8	67,500	50.4	312.6	65,400	54.5	320.2	60,000	160
165	46.9	304.2	64,600	48.7	308.2	62,500	52.8	316.4	57,400	165
170	45.1	299.2	61,800	46.9	303.6	59,800	51.1	312.4	54,800	170
175	43.2	294.0	59,300	45.0	298.6	57,300	49.4	308.2	52,500	175
180	41.2	288.3	56,800	43.1	293.3	54,900	47.6	303.6	50,300	180
185	39.1	282.2	54,500	41.1	287.7	52,700	45.8	298.8	48,200	185
190	36.9	275.7	52,400	39.0	281.6	50,600	43.9	293.7	46,200	190
195	34.6	268.5	50,300	36.8	275.0	48,600	41.9	288.2	44,300	195
200	32.1	260.7	48,300	34.5	267.9	46,700	39.9	282.2	42,500	200
205	29.5	252.1	46,500	32.1	260.0	44,900	37.7	275.9	40,800	205
210	26.6	242.5	44,700	29.4	251.4	43,100	35.5	269.0	39,200	210
215	23.4	231.4	43,000	26.5	241.7	41,500	33.1	261.4	37,700	215
220	19.7	218.3	40,200 *	23.3	230.6	39,900	30.5	253.1	36,200	220
225	15.1	201.7	36,800 *	19.6	217.4	38,400	27.7	243.9	34,800	225
230	8.1	175.8	32,800 *	14.9	200.6	35,400 *	24.7	233.4	33,400	230
235				7.8	174.1	31,500 *	21.2	221.2	32,100	235
240							17.0	206.1	30,900	240
245							11.3	185.2	29,600	245
250										250
260										260
270										270

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

216.5 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb
75						
80						
85						
90						
95						
100						
105						
110						
115						
120						
125						
130						
135						
140						
145	62.9	334.1	63,400			
150	61.4	331.4	60,300			
155	59.8	328.5	57,400			
160	58.3	325.4	54,800			
165	56.7	322.1	52,300			
170	55.1	318.6	49,900			
175	53.4	315.0	47,700	57.2	319.2	43,000
180	51.8	311.0	45,600	55.6	315.8	41,100
185	50.0	306.9	43,700	53.9	312.2	39,300
190	48.3	302.4	41,800	52.3	308.3	37,500
195	46.5	297.7	40,100	50.6	304.2	35,900
200	44.6	292.7	38,400	48.8	299.9	34,400
205	42.6	287.3	36,800	47.0	295.3	32,900
210	40.6	281.5	35,300	45.2	290.3	31,500
215	38.5	275.4	33,900	43.2	285.1	30,200
220	36.3	268.6	32,500	41.2	279.4	28,900
225	34.0	261.4	31,200	39.2	273.4	27,700
230	31.5	253.4	30,000	37.0	266.8	26,500
235	28.8	244.5	28,800	34.7	259.7	25,400
240	25.8	234.5	27,600	32.2	251.9	24,300
245	22.5	223.0	26,500	29.6	243.4	23,300
250	18.6	209.1	25,400	26.7	233.8	22,300
260	4.5	157.1	23,200	19.9	209.7	20,400
270				8.5	168.0	18,500

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

236.2 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
80	74.7	374.9	115,100 *							80
85	73.5	373.4	114,200 *							85
90	72.2	371.8	113,300 *							90
95	70.9	370.1	112,400 *	72.1	371.3	111,500 *				95
100	69.6	368.2	111,400 *	70.9	369.6	110,700 *				100
105	68.3	366.3	110,500 *	69.6	367.7	109,900 *				105
110	67.0	364.1	107,400 *	68.3	365.7	108,300 *				110
115	65.7	361.9	103,700 *	66.9	363.6	102,100				115
120	64.3	359.5	99,400	65.6	361.4	96,300				120
125	63.0	356.9	94,000	64.3	359.0	91,100	67.5	362.7	83,800	125
130	61.6	354.2	89,000	62.9	356.4	86,200	66.2	360.5	79,300	130
135	60.2	351.4	84,500	61.5	353.7	81,800	64.8	358.1	75,200	135
140	58.8	348.4	80,300	60.1	350.8	77,700	63.5	355.6	71,300	140
145	57.3	345.2	76,400	58.7	347.8	73,900	62.1	353.0	67,800	145
150	55.9	341.8	72,800	57.3	344.6	70,400	60.7	350.2	64,500	150
155	54.4	338.2	69,400	55.8	341.2	67,100	59.3	347.2	61,400	155
160	52.8	334.4	66,300	54.3	337.6	64,100	57.9	344.1	58,600	160
165	51.3	330.5	63,300	52.8	333.9	61,200	56.4	340.8	55,900	165
170	49.7	326.2	60,600	51.2	329.9	58,500	54.9	337.3	53,400	170
175	48.1	321.8	58,000	49.7	325.7	56,000	53.4	333.6	51,000	175
180	46.4	317.1	55,600	48.0	321.2	53,700	51.9	329.7	48,800	180
185	44.7	312.0	53,300	46.4	316.5	51,400	50.3	325.5	46,700	185
190	42.9	306.7	51,100	44.6	311.4	49,300	48.7	321.2	44,800	190
195	41.1	301.0	49,100	42.9	306.1	47,300	47.0	316.6	42,900	195
200	39.2	295.0	47,100	41.0	300.4	45,400	45.3	311.7	41,100	200
205	37.2	288.5	45,300	39.1	294.3	43,600	43.6	306.5	39,500	205
210	35.1	281.5	43,500	37.1	287.8	41,900	41.8	300.9	37,900	210
215	32.9	273.9	41,900	35.0	280.8	40,300	39.9	295.0	36,300	215
220	30.6	265.6	40,300	32.8	273.2	38,700	37.9	288.7	34,900	220
225	28.0	256.5	38,700	30.5	264.9	37,200	35.9	281.9	33,500	225
230	25.3	246.2	37,300	27.9	255.7	35,800	33.7	274.5	32,200	230
235	22.2	234.5	35,300 *	25.2	245.4	34,400	31.5	266.5	30,900	235
240	18.6	220.6	32,500 *	22.1	233.6	33,100	29.0	257.7	29,700	240
245	14.1	202.8	29,500 *	18.5	219.6	31,200 *	26.3	247.9	28,500	245
250	7.1	174.4	26,000 *	13.9	201.7	28,300 *	23.4	236.8	27,300	250
260							15.9	207.7	25,200	260
270										270
280										280

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

236.2 ft

	75°		
ft	°	ft	lb
80			
85			
90			
95			
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155	62.6	351.1	55,800
160	61.2	348.3	53,100
165	59.8	345.4	50,600
170	58.4	342.4	48,300
175	56.9	339.1	46,100
180	55.5	335.7	44,100
185	54.0	332.0	42,100
190	52.4	328.2	40,300
195	50.9	324.2	38,500
200	49.3	319.9	36,900
205	47.6	315.4	35,300
210	46.0	310.6	33,800
215	44.2	305.5	32,400
220	42.4	300.1	31,100
225	40.6	294.3	29,800
230	38.7	288.1	28,500
235	36.7	281.5	27,400
240	34.5	274.3	26,200
245	32.3	266.6	25,100
250	29.9	258.1	24,100
260	24.5	238.1	22,100
270	17.5	211.1	20,200
280	2.8	151.6	18,200

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

255.9 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
85	74.8	394.0	98,500 *							85
90	73.6	392.5	97,800 *							90
95	72.4	390.9	97,100 *							95
100	71.2	389.2	96,600 *	72.4	390.4	95,800 *				100
105	70.1	387.4	95,600 *	71.2	388.7	95,200 *				105
110	68.9	385.5	94,900 *	70.0	386.9	94,600 *				110
115	67.6	383.4	94,200 *	68.8	385.0	94,000 *				115
120	66.4	381.2	93,500 *	67.6	382.9	93,300 *				120
125	65.2	378.9	91,900 *	66.4	380.7	89,900				125
130	63.9	376.5	87,900	65.2	378.4	85,100				130
135	62.7	373.9	83,300	63.9	376.0	80,600	66.9	379.8	73,900	135
140	61.4	371.2	79,100	62.6	373.4	76,500	65.7	377.5	70,100	140
145	60.1	368.3	75,300	61.4	370.7	72,700	64.4	375.1	66,500	145
150	58.8	365.3	71,600	60.1	367.8	69,200	63.2	372.6	63,200	150
155	57.5	362.1	68,300	58.8	364.8	66,000	61.9	369.9	60,200	155
160	56.1	358.8	65,200	57.4	361.6	62,900	60.6	367.1	57,300	160
165	54.8	355.3	62,200	56.1	358.2	60,100	59.3	364.2	54,700	165
170	53.4	351.6	59,500	54.7	354.7	57,400	58.0	361.0	52,200	170
175	52.0	347.7	56,900	53.3	351.0	54,900	56.6	357.8	49,800	175
180	50.5	343.6	54,500	51.9	347.1	52,500	55.3	354.3	47,600	180
185	49.0	339.3	52,200	50.5	343.0	50,300	53.9	350.7	45,500	185
190	47.5	334.7	50,000	49.0	338.7	48,200	52.5	346.9	43,600	190
195	46.0	329.9	48,000	47.5	334.1	46,200	51.1	342.9	41,700	195
200	44.4	324.9	46,100	45.9	329.3	44,300	49.6	338.6	39,900	200
205	42.7	319.5	44,200	44.3	324.2	42,500	48.1	334.1	38,300	205
210	41.0	313.8	42,500	42.7	318.9	40,800	46.6	329.5	36,700	210
215	39.3	307.7	40,800	41.0	313.2	39,200	45.0	324.5	35,200	215
220	37.5	301.3	39,200	39.2	307.1	37,700	43.3	319.2	33,700	220
225	35.5	294.4	37,700	37.4	300.6	36,200	41.7	313.7	32,300	225
230	33.5	287.0	36,300	35.5	293.7	34,800	39.9	307.7	31,000	230
235	31.4	278.9	34,900	33.5	286.3	33,400	38.1	301.5	29,800	235
240	29.2	270.2	33,500	31.4	278.2	32,100	36.3	294.7	28,600	240
245	26.7	260.5	32,300	29.1	269.4	30,900	34.3	287.5	27,400	245
250	24.1	249.7	30,300 *	26.6	259.7	29,700	32.2	279.7	26,300	250
260	17.6	222.6	25,500 *	21.0	236.4	26,700 *	27.7	261.9	24,200	260
270	6.1	172.4	19,700 *	13.0	202.5	21,800 *	22.2	239.9	22,200	270
280							15.0	209.1	20,300	280

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

137.8 ft

275.6 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
90	74.8	413.0	84,000 *							90
95	73.7	411.5	83,300 *							95
100	72.6	410.0	82,600 *							100
105	71.5	408.3	81,900 *	72.6	409.5	81,500 *				105
110	70.4	406.5	81,200 *	71.5	407.8	80,900 *				110
115	69.3	404.7	80,500 *	70.4	406.0	80,300 *				115
120	68.2	402.7	79,800 *	69.3	404.1	79,700 *				120
125	67.1	400.5	79,100 *	68.2	402.1	79,000 *				125
130	65.9	398.3	78,400 *	67.0	400.0	78,400 *				130
135	64.8	396.0	77,700 *	65.9	397.8	77,800 *				135
140	63.6	393.5	77,100 *	64.8	395.5	75,200	67.5	399.1	68,500	140
145	62.5	390.9	74,000	63.6	393.0	71,400	66.4	396.9	65,000	145
150	61.3	388.2	70,400	62.4	390.4	67,900	65.2	394.6	61,700	150
155	60.1	385.3	67,000	61.2	387.6	64,600	64.1	392.1	58,700	155
160	58.9	382.3	63,900	60.0	384.7	61,600	62.9	389.6	55,800	160
165	57.6	379.1	61,000	58.8	381.7	58,700	61.7	386.9	53,200	165
170	56.4	375.8	58,200	57.6	378.6	56,100	60.5	384.1	50,700	170
175	55.1	372.3	55,600	56.3	375.2	53,600	59.3	381.1	48,400	175
180	53.8	368.7	53,200	55.1	371.8	51,200	58.1	378.0	46,200	180
185	52.5	364.9	50,900	53.8	368.1	49,000	56.9	374.8	44,100	185
190	51.2	360.9	48,800	52.5	364.3	46,900	55.6	371.4	42,100	190
195	49.8	356.7	46,700	51.2	360.3	44,900	54.3	367.8	40,300	195
200	48.5	352.3	44,800	49.8	356.1	43,000	53.0	364.0	38,500	200
205	47.0	347.6	43,000	48.4	351.7	41,200	51.7	360.1	36,800	205
210	45.6	342.8	41,200	47.0	347.0	39,500	50.3	356.0	35,300	210
215	44.1	337.6	39,600	45.5	342.2	37,900	49.0	351.6	33,800	215
220	42.6	332.2	38,000	44.0	337.0	36,400	47.6	347.1	32,300	220
225	41.0	326.5	36,500	42.5	331.6	34,900	46.1	342.3	30,900	225
230	39.4	320.5	35,000	40.9	325.9	33,500	44.7	337.3	29,600	230
235	37.7	314.1	33,700	39.3	319.9	32,100	43.1	332.0	28,400	235
240	35.9	307.3	32,300	37.6	313.4	30,900	41.6	326.4	27,200	240
245	34.1	300.0	31,100	35.9	306.6	29,600	40.0	320.5	26,000	245
250	32.1	292.2	29,800	34.0	299.3	28,400	38.3	314.2	24,900	250
260	27.9	274.5	27,500	30.0	283.0	26,200	34.8	300.5	22,900	260
270	23.0	252.9	23,700 *	25.5	263.5	24,100	30.9	284.6	20,900	270
280	16.7	224.4	19,500 *	20.0	239.0	20,500 *	26.5	265.9	19,100	280
290	5.1	169.7	14,200 *	12.2	203.1	16,200 *	21.2	242.7	17,400	290
300							14.1	210.3	14,800 *	300

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

78.7 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
40	74.4	242.5	320,200 ***d**							40
45	70.5	240.8	296,000 ***c**							45
50	66.6	238.6	274,200 ***b**	70.9	240.5	282,000 ***c**				50
55	62.5	236.0	254,300 ***b**	67.0	238.4	261,700 ***b**				55
60	58.2	232.9	236,400 ***b**	62.9	235.8	243,200 ***b**				60
65	53.7	229.3	220,100 *	58.7	232.8	226,300 ***b**				65
70	48.9	225.0	204,800 *	54.2	229.2	207,000	66.0	235.7	193,400 **b**	70
75	43.7	219.9	190,700 *	49.4	225.0	189,300	61.8	233.0	176,900 **b**	75
80	37.9	213.7	177,400 *	44.3	220.0	174,200	57.5	229.9	162,800 **b**	80
85	31.2	206.0	161,700 *	38.6	214.0	161,100	53.0	226.2	150,600	85
90	22.6	195.2	146,300 *	32.0	206.4	149,700	48.2	221.8	139,900	90
95	4.5	171.1	127,500 *	23.6	196.1	139,500	42.9	216.5	130,500	95
100				9.0	176.7	123,600 *	37.0	210.1	122,200	100
105							30.1	202.0	114,600	105
110							21.0	190.6	107,700	110
115										115
120										120
125										125
130										130
135										135
140										140
145										145
150										150

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

78.7 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
40										40
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90	60.6	228.9	130,000 **b**							90
95	56.2	225.6	121,300 **b**							95
100	51.6	221.6	113,500							100
105	46.6	217.0	106,600							105
110	41.2	211.5	100,300	54.5	219.8	92,700				110
115	35.0	204.6	94,600	49.8	215.6	87,500				115
120	27.6	195.8	89,400	44.7	210.7	82,700				120
125	17.3	182.4	84,500	39.0	204.7	78,300	52.4	212.4	71,900	125
130				32.5	197.2	74,200	47.5	207.9	68,200	130
135				24.3	187.2	70,400	42.2	202.5	64,800	135
140				10.9	169.4	66,700	36.2	196.0	61,600	140
145							29.0	187.6	58,600	145
150							19.5	175.4	55,700	150

REFERENCE ONLY!

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

98.4 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
45	74.6	261.6	279,100 ***c**							45
50	71.5	259.9	260,700 ***b**							50
55	68.4	257.9	243,800 ***b**	71.8	259.6	249,500 ***b**				55
60	65.2	255.6	228,200 ***b**	68.7	257.7	233,700 ***b**				60
65	61.9	253.0	214,000 *	65.5	255.4	218,900 ***b**				65
70	58.5	249.9	200,900 *	62.2	252.8	205,300 *				70
75	54.9	246.4	188,600 *	58.8	249.8	188,800	67.9	255.0	175,900 **b**	75
80	51.2	242.5	177,300 *	55.3	246.3	173,800	64.7	252.7	161,800 **b**	80
85	47.3	237.9	165,200	51.6	242.4	160,800	61.4	250.0	149,700	85
90	43.0	232.7	153,600	47.7	237.9	149,500	57.9	246.9	139,100	90
95	38.4	226.6	143,300	43.5	232.8	139,500	54.4	243.3	129,800	95
100	33.3	219.2	134,200	39.0	226.8	130,600	50.6	239.3	121,600	100
105	27.2	210.1	124,900 *	33.9	219.6	122,600	46.6	234.6	114,200	105
110	19.4	197.6	114,400 *	27.9	210.7	115,400	42.4	229.3	107,500	110
115				20.4	198.7	108,900	37.7	223.0	101,500	115
120				5.9	174.4	96,800 *	32.4	215.4	96,000	120
125							26.2	206.0	90,900	125
130							17.9	192.6	86,100	130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170

REFERENCE ONLY

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

98.4 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	60.3	245.8	112,500							100
105	56.9	242.6	105,600							105
110	53.3	238.9	99,500							110
115	49.4	234.7	93,900							115
120	45.4	229.8	88,800	55.5	236.9	81,600				120
125	41.0	224.2	84,100	51.9	233.0	77,300				125
130	36.2	217.6	79,800	48.0	228.5	73,400				130
135	30.7	209.6	75,900	43.8	223.4	69,700				135
140	24.0	199.2	72,100	39.3	217.5	66,400	50.1	225.5	60,600	140
145	14.4	183.6	68,600	34.2	210.4	63,200	46.1	220.7	57,700	145
150				28.4	201.7	60,200	41.8	215.3	55,000	150
155				21.0	190.0	57,400	37.1	208.9	52,500	155
160				8.1	168.4	54,600	31.7	201.1	50,100	160
165							25.3	191.3	47,800	165
170							16.5	177.1	45,600	170

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

118.1 ft

	87°			85°			80°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
50	74.7	280.6	246,400 *b							50
55	72.1	279.0	231,900 *b							55
60	69.5	277.1	218,500 *b	72.4	278.7	222,300 *b				60
65	66.9	275.0	205,900 *	69.8	276.9	209,600 *b				65
70	64.2	272.6	194,200 *	67.2	274.8	197,700 *				70
75	61.5	269.9	183,400 *	64.5	272.4	186,700 *				75
80	58.6	266.9	173,200 *	61.8	269.7	172,700				80
85	55.7	263.5	163,800 *	58.9	266.7	159,700	66.5	272.1	148,200	85
90	52.7	259.7	152,800	56.0	263.4	148,500	63.8	269.7	137,700	90
95	49.5	255.5	142,500	53.0	259.6	138,500	61.0	266.9	128,400	95
100	46.1	250.8	133,500	49.8	255.5	129,700	58.2	263.8	120,200	100
105	42.6	245.4	125,400	46.5	250.8	121,800	55.3	260.4	112,900	105
110	38.8	239.3	118,100	43.0	245.5	114,700	52.2	256.6	106,300	110
115	34.6	232.3	111,500	39.2	239.5	108,300	49.0	252.3	100,300	115
120	29.9	224.0	105,500	35.1	232.6	102,500	45.6	247.4	94,900	120
125	24.3	213.7	99,700 *	30.4	224.5	97,100	42.0	242.0	89,900	125
130	17.0	199.5	91,000 *	25.0	214.4	92,200	38.2	235.8	85,400	130
135				17.9	200.8	87,600	33.9	228.6	81,200	135
140							29.1	220.0	77,300	140
145							23.4	209.3	73,600	145
150							15.6	194.1	70,100	150
155										155
160										160
165										165
170										170
175										175
180										180
185										185
190										190

REFERENCE ONLY

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Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

118.1 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	63.0	265.6	104,000							105
110	60.2	262.8	97,900							110
115	57.3	259.6	92,400							115
120	54.3	256.0	87,300							120
125	51.2	252.1	82,700							125
130	48.0	247.6	78,500	56.2	253.9	71,700				130
135	44.6	242.6	74,600	53.2	250.2	68,100				135
140	40.9	236.9	71,000	50.1	246.0	64,800				140
145	36.9	230.5	67,700	46.7	241.4	61,800				145
150	32.5	222.9	64,600	43.2	236.2	58,900	51.8	242.8	53,300	150
155	27.5	213.8	61,700	39.5	230.2	56,200	48.6	238.4	50,900	155
160	21.3	202.1	58,900	35.4	223.4	53,700	45.2	233.6	48,600	160
165	12.3	184.1	56,200	30.8	215.3	51,400	41.6	228.0	46,400	165
170				25.4	205.4	49,100	37.6	221.7	44,400	170
175				18.5	192.2	46,900	33.3	214.4	42,400	175
180				5.5	165.9	44,700	28.4	205.6	40,600	180
185							22.5	194.4	38,800	185
190							14.3	178.2	37,100	190

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL | **332,000 lb + 120,000 lb** | **360°**

157.5 ft | **137.8 ft**

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
55	74.8	299.7	218,800 *b							55
60	72.6	298.1	207,300 *b							60
65	70.4	296.3	196,500 *	72.8	297.8	199,200 *b				65
70	68.1	294.3	186,200 *	70.6	296.0	188,900 *				70
75	65.9	292.1	176,600 *	68.4	294.0	179,300 *				75
80	63.5	289.6	167,700 *	66.1	291.8	170,200 *				80
85	61.2	286.9	159,200 *	63.8	289.4	158,800				85
90	58.8	283.9	151,400 *	61.4	286.7	147,500	67.8	291.4	136,500	90
95	56.3	280.5	141,700	59.0	283.7	137,600	65.5	289.2	127,300	95
100	53.7	276.9	132,700	56.5	280.4	128,800	63.2	286.6	119,100	100
105	51.0	272.9	124,600	54.0	276.8	120,900	60.8	283.9	111,800	105
110	48.2	268.5	117,400	51.3	272.8	113,900	58.4	280.8	105,200	110
115	45.3	263.6	110,800	48.5	268.5	107,500	55.9	277.4	99,300	115
120	42.3	258.2	104,800	45.7	263.6	101,700	53.3	273.7	93,900	120
125	39.0	252.1	99,400	42.6	258.3	96,400	50.6	269.7	88,900	125
130	35.5	245.3	94,400	39.4	252.3	91,600	47.8	265.2	84,400	130
135	31.6	237.4	89,800	35.9	245.6	87,100	44.9	260.2	80,300	135
140	27.2	228.2	85,500	32.0	237.8	82,900	41.8	254.7	76,400	140
145	22.0	216.7	81,300 *	27.7	228.7	79,100	38.5	248.6	72,900	145
150	15.1	200.8	73,800 *	22.6	217.6	75,500	34.9	241.6	69,600	150
155				16.0	202.4	71,500 *	31.0	233.6	66,500	155
160							26.5	224.0	63,500	160
165							21.1	212.1	60,800	165
170							13.8	195.1	58,100	170
175										175
180										180
185										185
190										190
195										195
200										200
205										205
210										210

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

137.8 ft

	75°			70°			65°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	62.5	282.6	91,100							115
120	60.1	279.7	86,100							120
125	57.6	276.6	81,500							125
130	55.1	273.1	77,300							130
135	52.5	269.3	73,500							135
140	49.8	265.1	69,900	56.7	270.9	63,500				140
145	46.9	260.5	66,700	54.1	267.3	60,500				145
150	44.0	255.4	63,600	51.5	263.4	57,700				150
155	40.8	249.7	60,700	48.7	259.0	55,100				155
160	37.5	243.3	58,100	45.9	254.2	52,600	52.9	260.0	47,200	160
165	33.8	236.0	55,500	42.8	248.9	50,300	50.3	255.9	45,100	165
170	29.7	227.6	53,200	39.6	243.0	48,100	47.4	251.4	43,100	170
175	25.0	217.5	50,900	36.1	236.3	46,100	44.5	246.3	41,300	175
180	19.2	204.5	48,800	32.3	228.7	44,100	41.4	240.8	39,500	180
185	10.5	184.1	46,600	28.1	219.7	42,300	38.1	234.5	37,800	185
190				23.0	208.7	40,500	34.4	227.4	36,200	190
195				16.6	193.9	38,800	30.5	219.2	34,700	195
200							25.9	209.4	33,200	200
205							20.3	197.1	31,800	205
210							12.5	178.8	30,400	210

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

157.5 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
60	74.8	318.7	193,900 *b							60
65	72.9	317.2	184,800 *							65
70	71.0	315.5	176,100 *							70
75	69.1	313.5	167,800 *	71.2	315.1	169,800 *				75
80	67.1	311.4	159,900 *	69.3	313.3	161,900 *				80
85	65.1	309.1	152,400 *	67.3	311.2	154,400 *				85
90	63.0	306.6	145,400 *	65.3	308.9	146,300				90
95	61.0	303.8	138,800 *	63.3	306.4	136,400				95
100	58.8	300.8	131,600	61.2	303.6	127,600	66.8	308.5	117,600	100
105	56.7	297.5	123,500	59.1	300.6	119,800	64.8	306.2	110,300	105
110	54.4	294.0	116,300	56.9	297.4	112,700	62.7	303.6	103,700	110
115	52.1	290.1	109,800	54.7	293.9	106,300	60.6	300.8	97,800	115
120	49.8	285.9	103,800	52.4	290.1	100,600	58.5	297.8	92,500	120
125	47.3	281.4	98,400	50.0	285.9	95,300	56.3	294.5	87,600	125
130	44.7	276.4	93,400	47.6	281.4	90,500	54.1	290.9	83,100	130
135	42.0	270.9	88,800	45.0	276.4	86,000	51.8	287.0	78,900	135
140	39.2	264.9	84,600	42.3	271.0	81,900	49.4	282.7	75,100	140
145	36.1	258.2	80,700	39.5	265.1	78,100	46.9	278.1	71,600	145
150	32.9	250.6	77,100	36.5	258.4	74,600	44.3	273.0	68,300	150
155	29.2	242.0	73,700	33.2	251.0	71,300	41.6	267.5	65,300	155
160	25.1	231.9	70,500	29.6	242.5	68,200	38.7	261.4	62,400	160
165	20.2	219.3	66,100 *	25.6	232.5	65,300	35.7	254.6	59,700	165
170	13.6	201.8	60,000 *	20.8	220.3	62,500	32.3	246.9	57,200	170
175				14.4	203.6	58,200 *	28.6	238.0	54,800	175
180							24.4	227.6	52,600	180
185							19.3	214.5	50,400	185
190							12.2	195.7	48,300	190
195										195
200										200
205										205
210										210
215										215
220										220
225										225
230										230

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

157.5 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	62.1	299.5	79,900							125
130	60.0	296.7	75,700							130
135	57.9	293.5	71,900							135
140	55.7	290.1	68,400							140
145	53.4	286.5	65,100							145
150	51.1	282.5	62,100	57.1	287.9	56,000				150
155	48.7	278.1	59,300	54.8	284.4	53,400				155
160	46.2	273.4	56,600	52.5	280.6	51,000				160
165	43.5	268.1	54,200	50.2	276.5	48,700				165
170	40.8	262.4	51,800	47.7	272.0	46,600				170
175	37.8	256.1	49,700	45.2	267.1	44,600	51.5	273.2	39,600	175
180	34.7	249.1	47,600	42.5	261.7	42,700	49.1	268.9	37,800	180
185	31.3	241.1	45,600	39.7	255.8	40,900	46.6	264.2	36,200	185
190	27.4	231.8	43,800	36.7	249.2	39,200	44.0	259.1	34,600	190
195	23.0	220.7	42,000	33.5	241.8	37,500	41.3	253.5	33,200	195
200	17.5	206.5	40,300	29.9	233.4	36,000	38.4	247.3	31,800	200
205	8.9	183.5	38,500	25.9	223.6	34,500	35.2	240.4	30,400	205
210				21.1	211.5	33,100	31.9	232.6	29,100	210
215				15.0	195.3	31,700	28.1	223.6	27,900	215
220							23.8	212.9	26,700	220
225							18.6	199.3	25,500	225
230							11.0	179.0	24,400	230

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

177.2 ft

	87°			85°			80°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
65	74.9	337.7	173,000 *							65
70	73.2	336.2	166,300 *							70
75	71.5	334.6	159,300 *							75
80	69.8	332.7	152,400 *	71.7	334.3	153,900 *				80
85	68.0	330.7	145,900 *	70.0	332.4	147,400 *				85
90	66.3	328.5	139,600 *	68.2	330.4	141,100 *				90
95	64.5	326.1	133,800 *	66.4	328.3	135,100 *				95
100	62.6	323.6	128,000 *	64.7	325.9	126,500				100
105	60.8	320.8	122,600	62.8	323.4	118,700	67.8	327.8	109,000	105
110	58.9	317.8	115,300	61.0	320.6	111,600	66.0	325.6	102,500	110
115	57.0	314.5	108,800	59.1	317.6	105,300	64.2	323.2	96,600	115
120	55.0	311.1	102,800	57.2	314.4	99,500	62.4	320.6	91,200	120
125	53.0	307.3	97,400	55.2	311.0	94,300	60.5	317.8	86,400	125
130	50.9	303.3	92,500	53.2	307.2	89,400	58.6	314.7	81,900	130
135	48.8	298.9	87,900	51.1	303.2	85,000	56.7	311.5	77,800	135
140	46.6	294.2	83,700	49.0	298.9	80,900	54.7	308.0	74,000	140
145	44.3	289.2	79,800	46.8	294.3	77,100	52.7	304.2	70,500	145
150	41.9	283.7	76,200	44.5	289.2	73,600	50.6	300.1	67,200	150
155	39.3	277.6	72,800	42.1	283.8	70,400	48.4	295.7	64,200	155
160	36.6	271.0	69,700	39.6	277.8	67,300	46.2	291.0	61,300	160
165	33.8	263.7	66,700	36.9	271.3	64,400	43.9	285.8	58,700	165
170	30.7	255.5	63,900	34.1	264.1	61,700	41.5	280.2	56,200	170
175	27.2	246.2	61,300	31.0	256.0	59,200	38.9	274.1	53,800	175
180	23.3	235.2	58,800	27.6	246.7	56,800	36.2	267.4	51,600	180
185	18.6	221.6	54,300 *	23.8	236.0	54,500	33.3	260.0	49,500	185
190	12.2	202.4	49,300 *	19.2	222.7	52,300	30.2	251.7	47,500	190
195				13.1	204.4	47,800 *	26.7	242.1	45,700	195
200							22.7	230.8	43,800	200
205							17.8	216.6	42,100	205
210							10.9	195.8	40,400	210
215										215
220										220
225										225
230										230
235										235
240										240
245										245
250										250

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

177.2 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130										130
135	61.8	316.5	70,600							135
140	59.9	313.6	67,100							140
145	58.0	310.5	63,900							145
150	56.1	307.2	60,800							150
155	54.1	303.6	58,000							155
160	52.1	299.7	55,400	57.3	304.9	49,600				160
165	50.0	295.5	53,000	55.4	301.5	47,400				165
170	47.8	291.0	50,700	53.4	297.8	45,200				170
175	45.5	286.2	48,500	51.3	293.8	43,300				175
180	43.2	280.9	46,500	49.2	289.5	41,400				180
185	40.7	275.2	44,500	47.0	284.9	39,600	52.4	290.4	34,800	185
190	38.1	268.9	42,700	44.7	279.9	37,900	50.3	286.3	33,300	190
195	35.4	262.0	41,000	42.3	274.4	36,400	48.2	281.9	31,800	195
200	32.4	254.3	39,300	39.8	268.5	34,800	45.9	277.1	30,500	200
205	29.2	245.6	37,800	37.1	262.0	33,400	43.6	271.9	29,100	205
210	25.5	235.6	36,300	34.3	254.9	32,000	41.2	266.2	27,900	210
215	21.3	223.6	34,800	31.2	246.8	30,700	38.6	260.1	26,700	215
220	16.1	208.1	33,400	27.9	237.7	29,500	35.9	253.3	25,600	220
225	7.6	182.3	31,900	24.1	227.1	28,300	32.9	245.7	24,500	225
230				19.6	214.0	27,100	29.7	237.3	23,400	230
235				13.6	196.2	25,900	26.2	227.5	22,400	235
240							22.1	215.9	21,400	240
245							17.1	201.2	20,400	245
250							9.6	178.7	19,400	250

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

196.9 ft

	87°			85°			80°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
70	74.9	356.8	147,100 *							70
75	73.4	355.3	146,200 *							75
80	71.9	353.7	144,000 *							80
85	70.3	351.9	138,400 *	72.0	353.4	139,400 *				85
90	68.8	349.9	132,900 *	70.5	351.6	134,000 *				90
95	67.2	347.8	127,700 *	68.9	349.7	128,800 *				95
100	65.6	345.6	122,600 *	67.4	347.6	123,700 *				100
105	64.0	343.1	117,700 *	65.8	345.3	117,400				105
110	62.3	340.5	113,100 *	64.1	342.9	110,400				110
115	60.7	337.7	107,600	62.5	340.3	104,000	67.0	345.0	95,100	115
120	59.0	334.7	101,700	60.8	337.5	98,300	65.4	342.7	89,800	120
125	57.2	331.5	96,300	59.1	334.6	93,000	63.7	340.2	84,900	125
130	55.5	328.1	91,300	57.4	331.4	88,200	62.1	337.6	80,400	130
135	53.7	324.5	86,800	55.7	328.0	83,800	60.4	334.7	76,300	135
140	51.8	320.5	82,600	53.9	324.4	79,700	58.7	331.7	72,500	140
145	49.9	316.4	78,700	52.0	320.5	75,900	57.0	328.5	69,000	145
150	48.0	311.9	75,100	50.1	316.3	72,400	55.2	325.0	65,800	150
155	46.0	307.1	71,700	48.2	311.9	69,200	53.4	321.3	62,800	155
160	43.9	302.0	68,600	46.2	307.1	66,100	51.5	317.4	60,000	160
165	41.7	296.4	65,600	44.1	302.0	63,300	49.6	313.1	57,300	165
170	39.4	290.4	62,900	41.9	296.5	60,600	47.7	308.6	54,800	170
175	37.0	283.9	60,300	39.7	290.6	58,100	45.7	303.8	52,500	175
180	34.5	276.7	57,800	37.3	284.1	55,700	43.6	298.6	50,300	180
185	31.8	268.9	55,500	34.8	277.0	53,500	41.4	293.0	48,200	185
190	28.8	260.0	53,300	32.1	269.2	51,300	39.1	286.9	46,300	190
195	25.6	250.0	51,300	29.2	260.5	49,300	36.7	280.3	44,400	195
200	21.8	238.2	48,200 *	25.9	250.6	47,400	34.1	273.0	42,700	200
205	17.3	223.5	44,400 *	22.3	239.1	45,600	31.4	265.0	41,000	205
210	11.0	202.6	40,100 *	17.8	224.8	42,900 *	28.4	256.1	39,400	210
215				11.9	204.9	38,900 *	25.0	245.8	37,800	215
220							21.2	233.6	36,400	220
225							16.5	218.4	34,900	225
230							9.7	195.6	33,500	230
235										235
240										240
245										245
250										250

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

196.9 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb
70						
75						
80						
85						
90						
95						
100						
105						
110						
115						
120						
125						
130						
135						
140						
145	61.6	333.5	62,200			
150	59.9	330.6	59,300			
155	58.2	327.5	56,500			
160	56.4	324.2	53,900			
165	54.7	320.7	51,400			
170	52.8	316.9	49,100	57.5	321.9	43,600
175	51.0	312.9	47,000	55.8	318.5	41,600
180	49.1	308.6	45,000	54.0	314.9	39,700
185	47.1	304.0	43,100	52.2	311.0	38,000
190	45.0	299.0	41,300	50.3	306.9	36,300
195	42.9	293.7	39,600	48.3	302.5	34,800
200	40.7	287.9	37,900	46.3	297.7	33,300
205	38.4	281.7	36,400	44.2	292.6	31,900
210	35.9	274.9	34,900	42.1	287.2	30,500
215	33.3	267.5	33,500	39.8	281.3	29,300
220	30.5	259.2	32,200	37.5	274.8	28,000
225	27.4	249.9	30,900	35.0	267.8	26,900
230	23.9	239.1	29,700	32.3	260.1	25,700
235	19.9	226.2	28,400	29.4	251.4	24,600
240	14.8	209.4	27,300	26.2	241.6	23,600
245	6.2	180.4	26,000	22.5	230.2	22,600
250				18.2	216.2	21,600

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

216.5 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
75	75.0	375.8	124,900 *							75
80	73.6	374.4	124,100 *							80
85	72.2	372.7	123,300 *							85
90	70.8	371.0	122,500 *	72.3	372.4	121,700 *				90
95	69.4	369.1	120,400 *	70.9	370.7	121,100 *				95
100	67.9	367.1	116,100 *	69.5	368.9	116,800 *				100
105	66.5	364.9	111,800 *	68.1	366.8	112,600 *				105
110	65.0	362.6	107,700 *	66.7	364.7	108,500 *				110
115	63.6	360.1	103,700 *	65.2	362.4	102,700				115
120	62.1	357.5	99,900 *	63.7	359.9	97,000	67.7	364.2	88,300	120
125	60.6	354.7	95,000	62.2	357.3	91,700	66.3	362.0	83,500	125
130	59.0	351.7	90,100	60.7	354.5	86,900	64.8	359.7	79,000	130
135	57.4	348.5	85,500	59.2	351.5	82,500	63.3	357.2	74,900	135
140	55.9	345.1	81,300	57.6	348.4	78,400	61.8	354.5	71,100	140
145	54.2	341.5	77,500	56.0	345.0	74,700	60.3	351.7	67,600	145
150	52.6	337.7	73,900	54.4	341.5	71,200	58.8	348.7	64,400	150
155	50.9	333.7	70,500	52.7	337.7	67,900	57.2	345.5	61,400	155
160	49.1	329.4	67,400	51.0	333.6	64,900	55.6	342.0	58,600	160
165	47.3	324.8	64,400	49.3	329.4	62,000	54.0	338.4	55,900	165
170	45.5	319.9	61,700	47.5	324.8	59,300	52.3	334.6	53,500	170
175	43.6	314.7	59,100	45.7	320.0	56,800	50.6	330.5	51,200	175
180	41.6	309.1	56,700	43.8	314.8	54,500	48.8	326.2	49,000	180
185	39.5	303.2	54,400	41.8	309.3	52,300	47.0	321.5	46,900	185
190	37.4	296.7	52,200	39.7	303.3	50,200	45.2	316.6	45,000	190
195	35.1	289.7	50,200	37.6	296.9	48,200	43.3	311.4	43,100	195
200	32.7	282.1	48,200	35.3	290.0	46,300	41.3	305.7	41,400	200
205	30.1	273.6	46,400	32.9	282.4	44,500	39.2	299.7	39,700	205
210	27.2	264.2	44,600	30.4	274.1	42,700	37.0	293.1	38,100	210
215	24.1	253.5	42,500 *	27.6	264.8	41,100	34.7	286.0	36,600	215
220	20.5	240.9	39,400 *	24.5	254.2	39,500	32.3	278.3	35,200	220
225	16.2	225.2	36,100 *	20.9	241.8	37,900 *	29.7	269.7	33,800	225
230	10.0	202.4	32,400 *	16.7	226.6	34,800 *	26.8	260.1	32,500	230
235				10.8	205.0	31,400 *	23.6	249.2	31,200	235
240							19.9	236.2	30,000	240
245							15.4	219.8	28,800	245
250							8.7	194.9	26,700 *	250
260										260

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

216.5 ft

	75°		
ft	°	ft	lb
75			
80			
85			
90			
95			
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150	62.9	353.1	57,700
155	61.4	350.4	55,000
160	59.9	347.5	52,400
165	58.3	344.5	50,000
170	56.7	341.2	47,700
175	55.1	337.7	45,500
180	53.5	334.0	43,500
185	51.8	330.1	41,600
190	50.1	326.0	39,900
195	48.3	321.5	38,200
200	46.5	316.8	36,500
205	44.6	311.8	35,000
210	42.7	306.4	33,600
215	40.7	300.7	32,200
220	38.5	294.5	30,900
225	36.3	287.8	29,600
230	34.0	280.5	28,400
235	31.5	272.5	27,200
240	28.8	263.7	26,100
245	25.9	253.7	25,000
250	22.6	242.2	24,000
260	13.7	210.4	21,900

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL | **332,000 lb + 120,000 lb** | **360°**

157.5 ft | **236.2 ft**

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
80	75.0	394.9	106,500 *							80
85	73.7	393.4	105,800 *							85
90	72.5	391.8	105,100 *							90
95	71.2	390.1	104,300 *	72.6	391.5	103,500 *				95
100	69.9	388.3	103,500 *	71.3	389.8	102,900 *				100
105	68.6	386.3	102,800 *	70.0	388.0	102,300 *				105
110	67.3	384.2	101,200 *	68.7	386.1	101,700 *				110
115	65.9	382.0	98,400 *	67.4	384.0	99,400 *				115
120	64.6	379.6	95,400 *	66.1	381.8	95,600				120
125	63.2	377.1	92,100 *	64.7	379.4	90,300				125
130	61.9	374.5	88,800	63.4	376.9	85,500	67.1	381.4	77,400	130
135	60.5	371.6	84,300	62.0	374.3	81,100	65.7	379.1	73,300	135
140	59.1	368.6	80,100	60.6	371.5	77,100	64.4	376.7	69,600	140
145	57.6	365.5	76,200	59.2	368.5	73,300	63.0	374.2	66,100	145
150	56.2	362.1	72,600	57.8	365.3	69,800	61.7	371.5	62,900	150
155	54.7	358.6	69,200	56.3	362.0	66,500	60.3	368.6	59,900	155
160	53.2	354.9	66,100	54.8	358.5	63,500	58.8	365.6	57,100	160
165	51.6	351.0	63,200	53.3	354.8	60,700	57.4	362.4	54,400	165
170	50.0	346.8	60,400	51.8	350.9	58,000	55.9	359.1	52,000	170
175	48.4	342.4	57,900	50.2	346.7	55,500	54.4	355.5	49,700	175
180	46.8	337.7	55,400	48.6	342.4	53,200	52.9	351.7	47,500	180
185	45.1	332.8	53,200	46.9	337.7	51,000	51.4	347.8	45,500	185
190	43.3	327.5	51,000	45.2	332.8	48,900	49.8	343.6	43,500	190
195	41.5	321.9	49,000	43.5	327.6	46,900	48.2	339.1	41,700	195
200	39.6	315.9	47,000	41.7	322.0	45,000	46.5	334.4	40,000	200
205	37.6	309.5	45,200	39.8	316.1	43,200	44.8	329.4	38,300	205
210	35.6	302.6	43,400	37.8	309.7	41,500	43.0	324.1	36,700	210
215	33.4	295.2	41,700	35.8	302.9	39,900	41.2	318.5	35,200	215
220	31.1	287.0	40,100	33.6	295.5	38,300	39.3	312.4	33,800	220
225	28.6	278.1	38,600	31.3	287.4	36,900	37.3	306.0	32,500	225
230	25.9	268.1	37,000 *	28.8	278.6	35,400	35.2	299.0	31,200	230
235	22.8	256.7	34,400 *	26.2	268.7	34,100	33.0	291.4	29,900	235
240	19.4	243.3	31,700 *	23.2	257.5	32,800	30.7	283.2	28,700	240
245	15.1	226.6	28,900 *	19.8	244.4	30,400 *	28.2	274.1	27,600	245
250	9.0	201.9	25,700 *	15.6	228.1	27,700 *	25.4	263.9	26,400	250
260							18.8	238.5	24,300	260
270							7.7	193.8	20,600 *	270
280										280

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

236.2 ft

	75°		
ft	°	ft	lb
80			
85			
90			
95			
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155			
160	62.6	370.1	50,700
165	61.2	367.4	48,300
170	59.8	364.5	46,000
175	58.4	361.4	43,900
180	57.0	358.2	41,900
185	55.5	354.8	40,000
190	54.0	351.1	38,300
195	52.5	347.3	36,600
200	50.9	343.3	35,000
205	49.3	339.0	33,500
210	47.7	334.5	32,000
215	46.0	329.7	30,600
220	44.3	324.6	29,300
225	42.5	319.2	28,100
230	40.6	313.4	26,900
235	38.7	307.3	25,800
240	36.7	300.6	24,700
245	34.6	293.5	23,600
250	32.3	285.7	22,600
260	27.4	267.9	20,700
270	21.3	245.1	18,900
280	12.8	211.2	17,100

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

255.9 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
90	73.8	412.5	91,100 *							90
95	72.7	410.9	90,500 *							95
100	71.5	409.2	89,900 *	72.8	410.6	89,400 *				100
105	70.3	407.5	89,300 *	71.6	408.9	88,900 *				105
110	69.1	405.5	88,700 *	70.4	407.1	88,400 *				110
115	67.9	403.5	88,100 *	69.2	405.3	87,900 *				115
120	66.7	401.4	86,400 *	68.0	403.2	87,400 *				120
125	65.4	399.1	84,300 *	66.8	401.1	86,900 *				125
130	64.2	396.7	82,100 *	65.6	398.8	84,400				130
135	62.9	394.1	79,900 *	64.3	396.4	79,900	67.7	400.6	72,000	135
140	61.7	391.4	77,700 *	63.1	393.9	75,900	66.5	398.5	68,300	140
145	60.4	388.6	75,100	61.8	391.2	72,100	65.3	396.2	64,800	145
150	59.1	385.6	71,500	60.5	388.4	68,600	64.0	393.7	61,600	150
155	57.8	382.5	68,100	59.2	385.4	65,400	62.8	391.2	58,600	155
160	56.4	379.2	65,000	57.9	382.3	62,400	61.5	388.5	55,800	160
165	55.1	375.7	62,100	56.6	379.0	59,500	60.2	385.6	53,200	165
170	53.7	372.0	59,300	55.2	375.6	56,900	58.9	382.6	50,700	170
175	52.3	368.2	56,800	53.8	371.9	54,400	57.6	379.4	48,400	175
180	50.8	364.1	54,300	52.4	368.1	52,000	56.2	376.1	46,300	180
185	49.3	359.8	52,100	51.0	364.0	49,800	54.8	372.6	44,200	185
190	47.8	355.3	49,900	49.5	359.8	47,700	53.5	368.9	42,300	190
195	46.3	350.6	47,900	48.0	355.3	45,700	52.0	365.0	40,500	195
200	44.7	345.6	45,900	46.5	350.6	43,900	50.6	360.9	38,700	200
205	43.1	340.3	44,100	44.9	345.6	42,100	49.1	356.6	37,100	205
210	41.4	334.6	42,400	43.3	340.4	40,400	47.6	352.1	35,500	210
215	39.6	328.7	40,700	41.6	334.8	38,800	46.1	347.3	34,100	215
220	37.8	322.3	39,100	39.8	328.8	37,300	44.5	342.2	32,600	220
225	35.9	315.5	37,600	38.0	322.5	35,800	42.8	336.9	31,300	225
230	34.0	308.2	36,100	36.1	315.8	34,400	41.1	331.2	30,000	230
235	31.9	300.3	34,800	34.2	308.5	33,000	39.4	325.2	28,800	235
240	29.6	291.7	33,400	32.1	300.7	31,800	37.6	318.8	27,600	240
245	27.2	282.2	31,600 *	29.9	292.2	30,500	35.7	311.9	26,400	245
250	24.6	271.7	29,300 *	27.5	282.8	29,300	33.7	304.5	25,300	250
260	18.4	245.5	24,700 *	22.0	260.5	25,800 *	29.3	287.8	23,300	260
270	8.1	201.0	19,500 *	14.7	229.4	21,300 *	24.2	267.4	21,300	270
280							17.8	240.6	19,500	280
290							6.7	192.2	14,900 *	290

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

157.5 ft

275.6 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb
95	73.9	431.5	78,100 *			
100	72.9	430.0	77,500 *			
105	71.8	428.3	77,000 *	73.0	429.6	76,600 *
110	70.7	426.6	76,400 *	71.9	428.0	76,100 *
115	69.6	424.7	75,800 *	70.8	426.3	75,600 *
120	68.4	422.7	75,200 *	69.7	424.4	75,100 *
125	67.3	420.6	74,600 *	68.6	422.5	74,500 *
130	66.2	418.5	74,000 *	67.4	420.4	74,000 *
135	65.0	416.1	72,500 *	66.3	418.2	73,500 *
140	63.9	413.7	70,800 *	65.1	415.9	73,000 *
145	62.7	411.1	69,100 *	64.0	413.5	70,800
150	61.5	408.4	67,400 *	62.8	410.9	67,300
155	60.3	405.5	65,600 *	61.6	408.2	64,000
160	59.1	402.6	63,700	60.5	405.4	61,000
165	57.9	399.4	60,800	59.2	402.4	58,200
170	56.6	396.2	58,000	58.0	399.3	55,500
175	55.4	392.7	55,500	56.8	396.0	53,000
180	54.1	389.1	53,100	55.5	392.6	50,700
185	52.8	385.3	50,800	54.2	389.0	48,500
190	51.5	381.4	48,600	52.9	385.2	46,400
195	50.1	377.2	46,600	51.6	381.3	44,400
200	48.7	372.9	44,700	50.3	377.2	42,500
205	47.3	368.3	42,800	48.9	372.8	40,800
210	45.9	363.5	41,100	47.5	368.3	39,100
215	44.4	358.4	39,400	46.0	363.5	37,500
220	42.9	353.0	37,900	44.6	358.4	36,000
225	41.3	347.4	36,400	43.0	353.1	34,500
230	39.7	341.4	34,900	41.5	347.5	33,100
235	38.0	335.1	33,500	39.9	341.6	31,800
240	36.3	328.4	32,200	38.2	335.3	30,500
245	34.5	321.2	31,000	36.5	328.6	29,300
250	32.5	313.5	29,700	34.7	321.5	28,100
260	28.4	296.1	26,600 *	30.8	305.6	25,900
270	23.5	275.1	22,800 *	26.3	286.8	23,400 *
280	17.4	247.5	18,700 *	21.0	263.4	19,600 *
290	7.3	199.7	14,000 *	13.9	230.5	15,600 *

REFERENCE ONLY!

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

78.7 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
45	71.3	260.8	262,300 ***d**							45
50	67.4	258.7	244,400 ***b**	72.3	260.7	251,000 ***d**				50
55	63.3	256.2	228,000 ***b**	68.4	258.7	234,400 ***c**				55
60	59.1	253.3	213,000 ***b**	64.3	256.4	219,000 ***b**				60
65	54.7	249.8	199,200 *	60.1	253.5	204,900 ***b**				65
70	49.9	245.6	186,600 *	55.8	250.1	191,900 ***b**				70
75	44.8	240.7	174,900 *	51.1	246.2	179,900 *	64.7	254.3	173,900 **b**	75
80	39.2	234.8	164,100 *	46.1	241.5	168,800 *	60.5	251.5	160,000 **b**	80
85	32.7	227.4	154,000 *	40.6	235.8	158,500 *	56.1	248.1	148,000 **b**	85
90	24.6	217.5	144,300 *	34.4	228.8	148,800	51.5	244.2	137,500	90
95	11.5	200.3	130,600 *	26.8	219.7	138,700	46.5	239.6	128,300	95
100				15.9	205.5	126,500 *	41.1	234.0	120,100	100
105							34.9	227.2	112,700	105
110							27.5	218.3	106,000	110
115							17.1	204.9	99,800	115
120										120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

78.7 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95	60.6	247.9	117,700 **b**							95
100	56.3	244.6	110,100 **b**							100
105	51.7	240.7	103,400							105
110	46.7	236.1	97,300							110
115	41.3	230.6	91,800	56.1	239.6	83,500 **b**				115
120	35.2	223.8	86,800	51.5	235.6	78,900				120
125	27.8	215.0	82,100	46.5	231.0	74,700				125
130	17.5	201.8	77,700	41.0	225.4	70,900				130
135				34.9	218.5	67,300	50.8	228.8	60,600	135
140				27.4	209.6	63,900	45.8	224.1	57,700	140
145				16.9	196.1	60,700	40.2	218.3	54,900	145
150							33.9	211.2	52,200	150
155							26.2	201.9	49,700	155
160							14.8	187.1	47,200	160

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL | **332,000 lb + 120,000 lb** | **360°**

177.2 ft | **98.4 ft**

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
50	72.1	279.9	232,300 ***c**							50
55	69.0	278.0	218,300 ***b**	72.9	279.8	223,200 ***c**				55
60	65.8	275.8	205,200 ***b**	69.8	278.0	210,000 ***b**				60
65	62.6	273.2	193,200 ***b**	66.6	275.8	197,700 ***b**				65
70	59.2	270.2	182,000 *	63.4	273.3	186,300 ***b**				70
75	55.7	266.9	171,700 *	60.0	270.5	175,800 *				75
80	52.0	263.0	162,200 *	56.5	267.2	165,900 *	66.9	273.7	159,000 **b**	80
85	48.1	258.6	153,400 *	52.9	263.4	156,800 *	63.6	271.2	147,000 **b**	85
90	43.9	253.5	145,100 *	49.1	259.2	148,300 *	60.3	268.4	136,600	90
95	39.4	247.6	137,300 *	45.0	254.2	138,600	56.8	265.2	127,500	95
100	34.4	240.5	130,000 *	40.6	248.6	129,800	53.2	261.5	119,400	100
105	28.6	231.9	123,000 *	35.7	241.8	121,900	49.4	257.2	112,100	105
110	21.3	220.3	114,100 *	30.1	233.6	114,700	45.3	252.4	105,600	110
115	8.8	199.5	102,300 *	23.3	223.0	108,200	41.0	246.8	99,600	115
120				13.1	206.3	100,100 *	36.1	240.1	94,200	120
125							30.6	232.1	89,300	125
130							23.9	221.7	84,700	130
135							14.3	205.9	80,300	135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

98.4 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	60.4	264.9	102,300							105
110	56.9	261.7	96,300							110
115	53.3	258.0	90,900							115
120	49.5	253.8	85,900							120
125	45.5	248.9	81,400	56.8	256.6	73,600				125
130	41.1	243.3	77,300	53.2	252.9	69,800				130
135	36.3	236.7	73,400	49.4	248.6	66,300				135
140	30.8	228.8	69,900	45.3	243.8	63,100				140
145	24.1	218.5	66,500	40.9	238.1	60,100	52.6	246.1	53,700	145
150	14.7	203.0	63,300	36.1	231.5	57,300	48.8	241.8	51,200	150
155				30.5	223.4	54,700	44.7	236.8	48,800	155
160				23.8	213.0	52,200	40.3	231.1	46,600	160
165				14.1	197.1	49,700	35.3	224.3	44,500	165
170							29.7	215.9	42,500	170
175							22.7	205.1	40,600	175
180							12.1	187.5	38,700	180

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

118.1 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
55	72.7	299.0	205,400 *b							55
60	70.1	297.2	194,300 *b							60
65	67.5	295.1	183,800 *b	70.7	297.1	187,400 *b				65
70	64.8	292.8	174,200 *	68.1	295.1	177,500 *b				70
75	62.0	290.2	165,100 *	65.4	292.9	168,300 *				75
80	59.2	287.2	156,600 *	62.7	290.3	159,600 *				80
85	56.3	283.9	148,600 *	59.9	287.4	151,500 *				85
90	53.3	280.2	141,200 *	57.0	284.2	143,900 *	65.7	290.8	135,100	90
95	50.2	276.1	134,300 *	54.0	280.6	136,800 *	62.9	288.2	126,000	95
100	46.9	271.4	127,800 *	50.9	276.6	128,800	60.2	285.4	117,900	100
105	43.3	266.2	121,700 *	47.7	272.1	121,000	57.3	282.2	110,700	105
110	39.6	260.3	115,900 *	44.2	267.0	113,900	54.3	278.6	104,200	110
115	35.5	253.5	110,400 *	40.5	261.3	107,600	51.2	274.6	98,400	115
120	30.9	245.5	105,100 *	36.5	254.7	101,800	47.9	270.2	93,100	120
125	25.6	235.7	98,500 *	32.1	247.0	96,400	44.5	265.2	88,200	125
130	18.8	222.6	91,100 *	27.0	237.7	91,500	40.9	259.5	83,700	130
135	6.4	197.6	81,300 *	20.6	225.7	87,000	36.9	253.0	79,600	135
140				10.9	206.4	79,700 *	32.5	245.4	75,800	140
145							27.4	236.3	72,200	145
150							21.2	224.6	68,800	150
155							12.1	206.4	65,600	155
160										160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

118.1 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	60.2	281.8	89,200							115
120	57.4	278.7	84,400							120
125	54.4	275.1	79,900							125
130	51.3	271.1	75,800							130
135	48.1	266.7	72,100	57.2	273.6	64,600				135
140	44.6	261.7	68,600	54.3	270.0	61,400				140
145	41.0	256.1	65,300	51.2	266.0	58,500				145
150	37.0	249.6	62,300	47.9	261.6	55,800				150
155	32.6	242.1	59,500	44.5	256.6	53,200				155
160	27.6	233.0	56,900	40.8	250.9	50,800	50.7	259.2	44,900	160
165	21.5	221.4	54,300	36.8	244.4	48,600	47.4	254.7	42,900	165
170	12.5	203.6	51,800	32.4	236.8	46,500	44.0	249.6	41,000	170
175				27.4	227.6	44,400	40.3	243.8	39,200	175
180				21.2	215.9	42,500	36.2	237.2	37,500	180
185				12.0	197.6	40,600	31.8	229.4	35,800	185
190							26.6	220.0	34,300	190
195							20.1	207.7	32,800	195
200							9.9	187.3	31,200	200

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL | **332,000 lb + 120,000 lb** | **360°**

177.2 ft | **137.8 ft**

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
60	73.0	318.1	184,200 *b							60
65	70.8	316.4	175,200 *b							65
70	68.6	314.4	166,600 *	71.4	316.3	169,400 *b				70
75	66.3	312.2	158,700 *	69.2	314.4	161,300 *				75
80	64.0	309.8	151,100 *	66.9	312.2	153,700 *				80
85	61.7	307.1	144,000 *	64.6	309.9	146,300 *				85
90	59.3	304.1	137,200 *	62.2	307.2	139,400 *				90
95	56.8	300.9	130,900 *	59.8	304.4	133,000 *	67.1	310.1	124,800	95
100	54.2	297.3	124,900 *	57.4	301.2	126,900 *	64.8	307.8	116,800	100
105	51.6	293.4	119,300 *	54.8	297.7	120,100	62.4	305.2	109,600	105
110	48.8	289.1	114,000 *	52.2	293.8	113,100	60.1	302.3	103,100	110
115	46.0	284.3	109,000 *	49.5	289.6	106,700	57.6	299.2	97,300	115
120	42.9	279.0	104,300 *	46.7	285.0	101,000	55.1	295.7	92,000	120
125	39.7	273.1	99,100	43.7	279.8	95,700	52.5	291.9	87,100	125
130	36.2	266.4	94,200	40.5	274.0	90,900	49.7	287.7	82,700	130
135	32.5	258.8	89,600	37.1	267.6	86,500	46.9	283.1	78,600	135
140	28.2	249.9	85,300	33.4	260.2	82,300	43.9	278.0	74,900	140
145	23.2	239.0	80,300 *	29.3	251.6	78,500	40.8	272.3	71,400	145
150	16.8	224.4	74,200 *	24.5	241.3	74,900	37.4	265.9	68,100	150
155	3.8	193.5	66,000 *	18.6	227.9	71,600	33.7	258.6	65,100	155
160				9.2	205.9	64,900 *	29.7	250.1	62,200	160
165							24.9	240.0	59,500	165
170							19.1	226.9	57,000	170
175							10.3	206.3	54,500	175
180										180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

137.8 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	62.5	301.6	83,100							120
125	60.1	298.8	78,600							125
130	57.7	295.6	74,600							130
135	55.1	292.2	70,900							135
140	52.5	288.4	67,400							140
145	49.8	284.2	64,200	57.6	290.6	57,200				145
150	47.0	279.6	61,300	55.0	287.1	54,500				150
155	44.0	274.5	58,500	52.4	283.3	52,000				155
160	40.9	268.8	55,900	49.7	279.1	49,600				160
165	37.5	262.5	53,500	46.9	274.5	47,400				165
170	33.9	255.2	51,200	43.9	269.3	45,300	52.1	276.5	39,600	170
175	29.8	246.8	49,000	40.7	263.6	43,400	49.3	272.3	37,900	175
180	25.1	236.7	46,900	37.4	257.2	41,600	46.5	267.6	36,200	180
185	19.3	223.8	45,000	33.7	249.9	39,800	43.5	262.4	34,600	185
190	10.7	203.7	43,000	29.6	241.5	38,100	40.3	256.6	33,200	190
195				24.9	231.3	36,500	36.9	250.1	31,700	195
200				19.1	218.2	35,000	33.2	242.6	30,400	200
205				10.2	197.4	33,400	29.0	234.0	29,100	205
210							24.2	223.5	27,800	210
215							18.1	209.8	26,600	215
220							8.1	186.3	25,300	220

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

157.5 ft

	87°			85°			80°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
65	73.3	337.2	165,500 *							65
70	71.4	335.5	158,100 *							70
75	69.5	333.6	151,100 *	71.9	335.4	153,200 *				75
80	67.5	331.5	144,300 *	69.9	333.5	146,500 *				80
85	65.5	329.3	138,100 *	68.0	331.5	140,000 *				85
90	63.5	326.8	132,000 *	66.0	329.3	134,000 *				90
95	61.4	324.1	126,300 *	64.0	326.9	128,200 *				95
100	59.3	321.1	120,900 *	61.9	324.2	122,500 *				100
105	57.1	317.9	115,700 *	59.8	321.3	117,300 *	66.2	327.2	108,000	105
110	54.9	314.4	110,800 *	57.7	318.2	111,900	64.1	324.8	101,600	110
115	52.6	310.6	106,200 *	55.4	314.7	105,500	62.1	322.1	95,800	115
120	50.3	306.5	101,800 *	53.2	311.0	99,800	60.0	319.3	90,500	120
125	47.8	302.0	97,700 *	50.8	307.0	94,600	57.8	316.1	85,700	125
130	45.3	297.1	93,200	48.4	302.6	89,800	55.6	312.7	81,300	130
135	42.6	291.7	88,600	45.9	297.8	85,300	53.4	309.0	77,200	135
140	39.8	285.8	84,400	43.3	292.5	81,300	51.0	305.0	73,500	140
145	36.8	279.3	80,500	40.5	286.8	77,500	48.6	300.7	70,000	145
150	33.6	271.9	76,800	37.5	280.4	74,000	46.1	295.9	66,800	150
155	30.0	263.6	73,400	34.4	273.3	70,700	43.5	290.7	63,800	155
160	26.0	253.8	70,300	30.9	265.2	67,600	40.7	285.0	61,000	160
165	21.3	241.8	65,900 *	27.0	255.8	64,800	37.8	278.7	58,400	165
170	15.2	225.8	60,500 *	22.5	244.5	62,000	34.6	271.6	55,900	170
175				16.9	229.7	58,700 *	31.2	263.6	53,600	175
180				7.6	204.6	52,800 *	27.4	254.3	51,400	180
185							22.9	243.2	49,300	185
190							17.4	228.9	47,200	190
195							8.8	205.7	45,200	195
200										200
205										205
210										210
215										215
220										220
225										225
230										230
235										235
240										240

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

157.5 ft

	75°			70°			65°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125										125
130	62.1	318.6	72,900							130
135	60.0	315.7	69,200							135
140	57.9	312.6	65,800							140
145	55.7	309.2	62,600							145
150	53.4	305.5	59,700							150
155	51.1	301.5	56,900	57.8	307.5	50,200				155
160	48.7	297.2	54,400	55.6	304.1	47,900				160
165	46.2	292.5	52,000	53.3	300.5	45,700				165
170	43.6	287.3	49,800	51.0	296.4	43,700				170
175	40.8	281.6	47,600	48.6	292.1	41,800				175
180	37.9	275.3	45,600	46.1	287.3	40,000				180
185	34.7	268.2	43,700	43.5	282.1	38,300	50.7	289.6	32,900	185
190	31.3	260.2	41,900	40.7	276.4	36,600	48.3	285.2	31,400	190
195	27.5	251.0	40,200	37.8	270.0	35,100	45.7	280.4	30,000	195
200	23.1	240.0	38,600	34.6	263.0	33,600	43.1	275.1	28,700	200
205	17.6	225.8	37,000	31.2	254.9	32,200	40.3	269.3	27,500	205
210	9.2	203.2	35,400	27.3	245.7	30,900	37.3	262.9	26,300	210
215				22.9	234.5	29,600	34.1	255.7	25,200	215
220				17.4	220.1	28,300	30.7	247.5	24,100	220
225				8.6	196.7	27,000	26.8	238.0	23,000	225
230							22.2	226.6	22,000	230
235							16.4	211.5	20,900	235
240							6.4	184.5	19,800	240

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

177.2 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
70	73.5	356.2	149,300 *							70
75	71.8	354.6	143,300 *							75
80	70.1	352.8	137,500 *	72.3	354.5	139,100 *				80
85	68.4	350.8	131,800 *	70.5	352.7	133,500 *				85
90	66.6	348.6	126,400 *	68.8	350.8	128,100 *				90
95	64.8	346.3	121,200 *	67.1	348.6	122,800 *				95
100	63.0	343.8	116,400 *	65.3	346.4	118,000 *				100
105	61.2	341.0	111,800 *	63.5	343.9	113,200 *				105
110	59.3	338.1	107,300 *	61.6	341.2	108,500 *	67.2	346.5	100,300	110
115	57.4	334.9	103,000 *	59.8	338.3	104,200 *	65.4	344.3	94,500	115
120	55.4	331.5	99,000 *	57.9	335.1	98,700	63.6	341.8	89,300	120
125	53.4	327.8	95,100 *	55.9	331.8	93,500	61.8	339.1	84,500	125
130	51.4	323.8	91,400 *	53.9	328.1	88,700	59.9	336.2	80,100	130
135	49.2	319.5	87,600	51.9	324.2	84,300	58.0	333.1	76,000	135
140	47.0	314.9	83,500	49.7	320.0	80,300	56.1	329.8	72,300	140
145	44.7	309.9	79,600	47.6	315.5	76,500	54.1	326.2	68,900	145
150	42.4	304.5	76,000	45.3	310.6	73,000	52.0	322.3	65,700	150
155	39.9	298.6	72,600	42.9	305.3	69,800	49.9	318.1	62,700	155
160	37.2	292.1	69,500	40.5	299.5	66,700	47.8	313.6	59,900	160
165	34.4	285.0	66,500	37.9	293.2	63,900	45.5	308.7	57,300	165
170	31.3	277.0	63,700	35.1	286.2	61,200	43.1	303.5	54,800	170
175	28.0	267.9	61,100	32.1	278.5	58,700	40.7	297.7	52,500	175
180	24.2	257.3	58,200 *	28.8	269.7	56,300	38.1	291.5	50,400	180
185	19.7	244.3	54,400 *	25.2	259.5	54,000	35.3	284.6	48,300	185
190	13.8	226.8	49,700 *	20.9	247.2	51,900	32.4	276.9	46,400	190
195				15.5	231.2	48,300 *	29.1	268.2	44,500	195
200				6.0	202.6	43,200 *	25.5	258.1	42,800	200
205							21.3	246.1	41,100	205
210							16.0	230.5	39,400	210
215							7.4	204.4	37,700	215
220										220
225										225
230										230
235										235
240										240
245										245

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

177.2 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb
70						
75						
80						
85						
90						
95						
100						
105						
110						
115						
120						
125						
130						
135						
140	61.8	335.6	64,400			
145	60.0	332.7	61,300			
150	58.1	329.6	58,400			
155	56.1	326.3	55,700			
160	54.1	322.7	53,100			
165	52.1	318.8	50,700			
170	50.0	314.6	48,500	56.1	321.2	42,300
175	47.8	310.1	46,400	54.1	317.6	40,400
180	45.6	305.3	44,500	52.0	313.7	38,600
185	43.2	300.0	42,600	49.9	309.5	36,900
190	40.8	294.3	40,800	47.7	305.0	35,400
195	38.2	288.1	39,100	45.5	300.1	33,800
200	35.4	281.2	37,600	43.1	294.9	32,400
205	32.5	273.5	36,000	40.7	289.1	31,000
210	29.2	264.8	34,600	38.1	282.8	29,700
215	25.6	254.9	33,200	35.3	275.9	28,500
220	21.4	242.9	31,900	32.3	268.2	27,300
225	16.2	227.5	30,500	29.1	259.5	26,200
230	7.8	202.1	29,200	25.5	249.4	25,000
235				21.2	237.4	24,000
240				15.9	221.7	22,900
245				7.2	195.4	21,800

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL | **332,000 lb + 120,000 lb** | **360°**

177.2 ft | **196.9 ft**

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
75	73.7	375.3	129,100 *							75
80	72.2	373.7	128,100 *							80
85	70.7	371.9	123,900 *	72.6	373.5	125,100 *				85
90	69.1	370.0	119,200 *	71.0	371.8	120,400 *				90
95	67.5	368.0	114,700 *	69.5	370.0	115,900 *				95
100	65.9	365.7	110,300 *	67.9	367.9	111,500 *				100
105	64.3	363.3	106,100 *	66.3	365.7	107,300 *				105
110	62.7	360.7	102,200 *	64.7	363.4	103,200 *				110
115	61.0	358.0	98,300 *	63.1	360.8	99,400 *				115
120	59.3	355.0	94,700 *	61.4	358.1	95,500 *	66.4	363.6	87,700	120
125	57.6	351.9	91,100 *	59.7	355.2	92,000 *	64.8	361.3	82,900	125
130	55.8	348.5	87,800 *	58.0	352.1	87,400	63.2	358.8	78,600	130
135	54.0	344.9	84,400 *	56.3	348.8	83,100	61.6	356.1	74,500	135
140	52.2	341.0	81,400 *	54.5	345.2	79,000	59.9	353.2	70,800	140
145	50.3	336.9	78,400 *	52.7	341.5	75,300	58.2	350.1	67,400	145
150	48.4	332.5	74,800	50.8	337.4	71,800	56.4	346.8	64,200	150
155	46.4	327.8	71,500	48.9	333.1	68,500	54.6	343.2	61,200	155
160	44.3	322.7	68,300	46.9	328.4	65,500	52.8	339.5	58,500	160
165	42.2	317.2	65,400	44.8	323.4	62,700	50.9	335.5	55,900	165
170	39.9	311.3	62,700	42.7	318.1	60,000	49.0	331.1	53,500	170
175	37.5	304.9	60,100	40.5	312.3	57,500	47.0	326.5	51,200	175
180	35.0	297.9	57,600	38.1	306.0	55,200	45.0	321.6	49,000	180
185	32.4	290.2	55,300	35.7	299.2	53,000	42.9	316.2	47,000	185
190	29.5	281.6	53,200	33.0	291.6	50,900	40.7	310.5	45,100	190
195	26.3	271.9	50,700 *	30.2	283.3	48,900	38.3	304.3	43,200	195
200	22.6	260.5	47,800 *	27.1	273.8	47,000	35.9	297.5	41,500	200
205	18.3	246.5	44,200 *	23.6	262.9	45,100	33.3	290.0	39,900	205
210	12.6	227.5	40,300 *	19.5	249.7	42,700 *	30.4	281.7	38,300	210
215				14.2	232.4	39,100 *	27.4	272.4	36,800	215
220				4.5	199.3	34,800 *	23.9	261.6	35,400	220
225							19.9	248.6	34,000	225
230							14.7	231.8	32,600	230
235							6.0	202.3	30,200 *	235
240										240
245										245
250										250

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

196.9 ft

ft	75° °	75° ft	75° lb
75			
80			
85			
90			
95			
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150	61.6	352.5	56,700
155	59.9	349.6	54,000
160	58.2	346.6	51,500
165	56.5	343.3	49,100
170	54.7	339.7	46,900
175	52.9	336.0	44,900
180	51.0	332.0	42,900
185	49.1	327.7	41,100
190	47.1	323.0	39,300
195	45.1	318.1	37,700
200	42.9	312.8	36,100
205	40.7	307.1	34,600
210	38.4	300.8	33,200
215	36.0	294.1	31,800
220	33.3	286.6	30,500
225	30.5	278.4	29,300
230	27.5	269.0	28,100
235	24.0	258.3	26,900
240	20.0	245.5	25,800
245	14.9	228.8	24,700
250	6.5	200.4	23,600

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

216.5 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
80	73.9	394.3	111,400 *							80
85	72.5	392.7	110,600 *							85
90	71.1	391.0	109,800 *	72.8	392.6	109,400 *				90
95	69.7	389.2	108,200 *	71.4	390.9	108,800 *				95
100	68.2	387.2	105,100 *	70.0	389.1	106,000 *				100
105	66.8	385.1	101,300 *	68.6	387.2	102,300 *				105
110	65.3	382.8	97,700 *	67.2	385.0	98,700 *				110
115	63.9	380.3	94,200 *	65.7	382.8	95,100 *				115
120	62.4	377.7	90,900 *	64.2	380.4	91,700 *				120
125	60.9	374.9	87,700 *	62.7	377.8	88,400 *	67.3	382.9	81,500	125
130	59.3	372.0	84,600 *	61.2	375.1	85,300 *	65.8	380.7	77,100	130
135	57.8	368.8	81,600 *	59.7	372.2	81,800	64.4	378.3	73,100	135
140	56.2	365.5	78,700 *	58.2	369.1	77,700	62.9	375.7	69,400	140
145	54.6	362.0	76,000 *	56.6	365.8	74,000	61.4	373.0	66,000	145
150	52.9	358.2	73,300 *	55.0	362.3	70,500	59.8	370.1	62,800	150
155	51.2	354.2	70,300	53.3	358.6	67,300	58.3	367.1	59,800	155
160	49.5	350.0	67,100	51.6	354.7	64,200	56.7	363.8	57,100	160
165	47.7	345.4	64,200	49.9	350.5	61,400	55.1	360.3	54,500	165
170	45.9	340.6	61,500	48.1	346.0	58,800	53.5	356.6	52,100	170
175	44.0	335.5	58,900	46.3	341.3	56,300	51.8	352.7	49,800	175
180	42.0	330.0	56,500	44.4	336.2	54,000	50.0	348.5	47,700	180
185	39.9	324.1	54,200	42.5	330.8	51,700	48.3	344.1	45,600	185
190	37.8	317.7	52,000	40.5	325.0	49,700	46.5	339.4	43,700	190
195	35.6	310.9	50,000	38.3	318.8	47,700	44.6	334.4	41,900	195
200	33.2	303.4	48,000	36.1	312.0	45,800	42.6	329.0	40,200	200
205	30.6	295.1	46,200	33.8	304.7	44,000	40.6	323.2	38,600	205
210	27.8	285.9	44,400 *	31.3	296.6	42,300	38.5	317.0	37,000	210
215	24.8	275.5	42,000 *	28.5	287.7	40,700	36.3	310.3	35,500	215
220	21.3	263.3	39,200 *	25.6	277.6	39,100	34.0	303.0	34,100	220
225	17.2	248.4	36,100 *	22.2	266.0	37,600	31.5	295.1	32,800	225
230	11.6	227.9	32,700 *	18.3	251.9	34,800 *	28.8	286.2	31,500	230
235				13.1	233.2	31,700 *	25.8	276.2	30,200	235
240				2.4	193.0	27,900 *	22.5	264.7	29,000	240
245							18.6	250.9	27,900	245
250							13.6	232.8	26,700	250
260										260
270										270

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

216.5 ft

	75°		
ft	°	ft	lb
80			
85			
90			
95			
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155	62.9	372.2	52,500
160	61.4	369.5	50,000
165	59.9	366.6	47,600
170	58.3	363.5	45,400
175	56.8	360.3	43,400
180	55.1	356.8	41,400
185	53.5	353.1	39,600
190	51.8	349.2	37,900
195	50.1	345.0	36,200
200	48.3	340.6	34,700
205	46.5	335.9	33,200
210	44.6	330.9	31,800
215	42.7	325.5	30,400
220	40.7	319.8	29,200
225	38.6	313.6	27,900
230	36.4	306.9	26,800
235	34.0	299.7	25,700
240	31.6	291.7	24,600
245	28.9	282.9	23,500
250	25.9	272.9	22,500
260	18.8	247.7	20,600
270	5.2	197.7	18,700

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

236.2 ft

	87°			85°			80°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
85	74.0	413.4	96,000 *							85
90	72.7	411.8	95,300 *							90
95	71.4	410.1	94,600 *							95
100	70.1	408.4	93,900 *	71.7	410.0	93,600 *				100
105	68.8	406.4	92,700 *	70.5	408.3	93,100 *				105
110	67.5	404.4	90,400 *	69.2	406.4	92,500 *				110
115	66.2	402.1	88,000 *	67.9	404.3	90,300 *				115
120	64.9	399.8	85,600 *	66.5	402.2	87,300 *				120
125	63.5	397.3	83,100 *	65.2	399.9	84,300 *				125
130	62.1	394.7	80,700 *	63.8	397.4	81,500 *	68.0	402.2	75,500	130
135	60.8	391.9	78,100 *	62.5	394.8	78,700 *	66.6	400.0	71,500	135
140	59.3	388.9	75,500 *	61.1	392.0	76,000 *	65.3	397.8	67,800	140
145	57.9	385.8	72,900 *	59.7	389.1	72,600	64.0	395.3	64,400	145
150	56.5	382.5	70,400 *	58.3	386.0	69,100	62.6	392.7	61,200	150
155	55.0	379.0	68,000 *	56.8	382.8	65,900	61.2	390.0	58,300	155
160	53.5	375.3	65,700 *	55.3	379.4	62,900	59.8	387.1	55,500	160
165	51.9	371.4	62,900	53.8	375.7	60,100	58.4	384.0	52,900	165
170	50.4	367.3	60,200	52.3	371.9	57,400	56.9	380.8	50,500	170
175	48.8	363.0	57,600	50.8	367.8	55,000	55.5	377.4	48,300	175
180	47.1	358.4	55,200	49.2	363.5	52,600	54.0	373.7	46,100	180
185	45.4	353.5	52,900	47.5	359.0	50,400	52.4	369.9	44,100	185
190	43.7	348.3	50,800	45.8	354.1	48,300	50.9	365.9	42,200	190
195	41.9	342.7	48,700	44.1	349.0	46,400	49.3	361.6	40,400	195
200	40.0	336.9	46,800	42.3	343.6	44,500	47.7	357.1	38,700	200
205	38.0	330.5	45,000	40.4	337.8	42,700	46.0	352.3	37,100	205
210	36.0	323.7	43,200	38.5	331.6	41,000	44.2	347.2	35,600	210
215	33.8	316.4	41,600	36.5	324.9	39,400	42.5	341.8	34,100	215
220	31.5	308.4	40,000	34.4	317.7	37,900	40.6	336.0	32,700	220
225	29.1	299.7	38,400 *	32.1	309.9	36,400	38.7	329.8	31,400	225
230	26.4	289.9	36,300 *	29.7	301.3	35,000	36.7	323.2	30,100	230
235	23.5	278.9	34,100 *	27.1	291.8	33,700	34.5	316.0	28,900	235
240	20.1	266.0	31,600 *	24.2	281.1	32,400	32.3	308.3	27,700	240
245	16.1	250.1	28,900 *	21.0	268.8	30,200 *	29.9	299.8	26,600	245
250	10.6	227.9	26,000 *	17.2	253.8	27,700 *	27.3	290.4	25,500	250
260							21.3	267.6	23,400	260
270							12.7	233.5	20,900 *	270

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

255.9 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
90	74.1	432.4	83,100 *							90
95	72.9	430.9	82,600 *							95
100	71.7	429.2	82,100 *							100
105	70.5	427.5	81,500 *	72.0	429.1	81,300 *				105
110	69.4	425.6	81,000 *	70.8	427.4	80,900 *				110
115	68.1	423.6	79,400 *	69.6	425.5	80,500 *				115
120	66.9	421.5	77,500 *	68.4	423.6	80,000 *				120
125	65.7	419.2	75,600 *	67.2	421.5	79,600 *				125
130	64.5	416.8	73,600 *	66.0	419.2	77,300 *				130
135	63.2	414.3	71,700 *	64.8	416.9	74,800 *				135
140	61.9	411.6	69,700 *	63.5	414.4	72,300 *	67.3	419.4	66,500	140
145	60.7	408.9	67,700 *	62.2	411.8	69,900 *	66.1	417.1	63,000	145
150	59.4	405.9	65,800 *	61.0	409.0	67,600 *	64.9	414.8	59,900	150
155	58.0	402.8	63,800 *	59.7	406.1	64,700	63.6	412.3	57,000	155
160	56.7	399.5	61,900 *	58.4	403.0	61,700	62.4	409.7	54,200	160
165	55.3	396.1	60,000 *	57.0	399.8	58,900	61.1	407.0	51,700	165
170	54.0	392.4	58,200 *	55.7	396.4	56,300	59.8	404.0	49,200	170
175	52.5	388.6	56,400 *	54.3	392.8	53,800	58.5	401.0	47,000	175
180	51.1	384.6	54,100	52.9	389.0	51,500	57.1	397.8	44,900	180
185	49.6	380.4	51,800	51.5	385.1	49,300	55.8	394.4	42,900	185
190	48.1	375.9	49,700	50.0	380.9	47,200	54.4	390.8	41,000	190
195	46.6	371.2	47,700	48.5	376.5	45,200	53.0	387.1	39,200	195
200	45.0	366.3	45,700	47.0	371.9	43,400	51.6	383.1	37,500	200
205	43.4	361.0	43,900	45.4	367.0	41,600	50.1	379.0	35,900	205
210	41.7	355.5	42,200	43.8	361.8	39,900	48.6	374.6	34,400	210
215	40.0	349.6	40,500	42.2	356.3	38,300	47.1	370.0	32,900	215
220	38.2	343.3	38,900	40.4	350.5	36,800	45.6	365.1	31,500	220
225	36.3	336.6	37,400	38.7	344.3	35,400	44.0	360.0	30,200	225
230	34.4	329.4	36,000	36.8	337.7	34,000	42.3	354.5	28,900	230
235	32.3	321.6	34,500 *	34.9	330.7	32,600	40.6	348.7	27,700	235
240	30.1	313.2	32,700 *	32.8	323.0	31,300	38.8	342.6	26,600	240
245	27.8	303.9	30,800 *	30.7	314.8	30,100	37.0	336.0	25,400	245
250	25.2	293.6	29,000 *	28.3	305.7	28,900	35.0	329.0	24,400	250
260	19.1	268.3	24,600 *	23.1	284.4	25,500 *	30.8	313.2	22,400	260
270	9.7	227.7	19,700 *	16.2	255.5	21,200 *	26.1	294.3	20,500	270
280							20.2	270.2	18,700	280
290							11.8	234.0	15,100 *	290

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

REFERENCE ONLY!

59 + 58 HL

332,000 lb + 120,000 lb

360°

177.2 ft

275.6 ft

	87°			85°		
ft	°	ft	lb	°	ft	lb
95	74.2	451.5	70,900 *			
100	73.1	450.0	70,400 *			
105	72.0	448.3	69,900 *			
110	70.9	446.6	69,400 *	72.3	448.2	69,200 *
115	69.8	444.8	68,900 *	71.2	446.5	68,800 *
120	68.7	442.8	68,400 *	70.1	444.7	68,400 *
125	67.5	440.7	67,900 *	68.9	442.8	68,000 *
130	66.4	438.6	66,700 *	67.8	440.7	67,600 *
135	65.3	436.3	65,200 *	66.7	438.6	67,200 *
140	64.1	433.9	63,600 *	65.5	436.3	66,700 *
145	62.9	431.3	62,100 *	64.4	433.9	65,100 *
150	61.8	428.6	60,500 *	63.2	431.4	63,000 *
155	60.6	425.8	59,000 *	62.1	428.7	61,000 *
160	59.4	422.9	57,400 *	60.9	426.0	59,000 *
165	58.1	419.7	55,900 *	59.7	423.0	57,100 *
170	56.9	416.5	54,400 *	58.4	420.0	54,900
175	55.6	413.1	52,900 *	57.2	416.8	52,400
180	54.4	409.5	51,400 *	56.0	413.4	50,100
185	53.1	405.8	49,800 *	54.7	409.9	47,900
190	51.7	401.9	48,200 *	53.4	406.2	45,800
195	50.4	397.7	46,400	52.1	402.3	43,900
200	49.0	393.4	44,400	50.7	398.2	42,000
205	47.6	388.9	42,600	49.4	394.0	40,300
210	46.2	384.1	40,900	48.0	389.5	38,600
215	44.7	379.1	39,200	46.5	384.8	37,000
220	43.2	373.8	37,700	45.1	379.8	35,500
225	41.6	368.2	36,200	43.6	374.6	34,000
230	40.0	362.4	34,700	42.0	369.1	32,700
235	38.4	356.1	33,400	40.4	363.3	31,300
240	36.6	349.5	32,000	38.8	357.1	30,100
245	34.8	342.4	30,400 *	37.1	350.6	28,800
250	33.0	334.8	28,800 *	35.3	343.6	27,700
260	28.8	317.7	25,600 *	31.5	328.1	25,500
270	24.1	297.1	22,300 *	27.1	309.9	22,600 *
280	18.2	270.5	18,400 *	22.0	287.5	19,200 *
290	8.9	227.2	14,000 *	15.3	256.9	15,400 *

REFERENCE ONLY!

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

196.9 ft

78.7 ft

	87°			85°			80°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
45	72.1	280.9	249,400 ***d**							45
50	68.2	278.9	232,900 ***c**							50
55	64.2	276.5	217,600 ***b**	69.7	279.1	222,900 ***d**				55
60	60.0	273.6	203,400 ***b**	65.7	276.8	208,500 ***b**				60
65	55.6	270.2	190,300 ***b**	61.6	274.1	195,200 ***b**				65
70	50.9	266.2	178,400 *	57.3	271.0	182,900 ***b**				70
75	45.9	261.5	167,300 *	52.7	267.2	171,500 *	67.4	275.3	170,500 **c**	75
80	40.4	255.8	156,700 *	47.9	262.8	160,900 *	63.4	272.8	156,900 **b**	80
85	34.1	248.7	146,900 *	42.6	257.5	151,000 *	59.1	269.9	145,100 **b**	85
90	26.5	239.5	137,600 *	36.6	251.0	141,700 *	54.7	266.4	134,900 **b**	90
95	15.3	225.0	128,200 *	29.6	242.8	132,900 *	50.0	262.2	125,800	95
100				20.3	231.0	124,200 *	44.9	257.3	117,800	100
105							39.3	251.4	110,500	105
110							32.8	244.0	104,000	110
115							24.7	234.2	98,000	115
120							11.8	217.1	92,300	120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

196.9 ft

78.7 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100	60.7	267.0	106,200 **b**							100
105	56.4	263.7	99,700 **b**							105
110	51.8	259.8	93,900							110
115	46.8	255.2	88,600							115
120	41.4	249.7	83,700	57.6	259.3	74,600 **b**				120
125	35.3	243.0	79,200	53.1	255.6	70,600 **b**				125
130	27.9	234.2	75,100	48.3	251.2	67,000				130
135	17.8	221.2	71,100	43.0	246.0	63,600				135
140				37.1	239.6	60,400				140
145				30.2	231.5	57,500	49.1	245.1	50,500	145
150				21.2	220.2	54,600	44.0	240.1	48,100	150
155							38.2	234.0	45,800	155
160							31.5	226.3	43,600	160
165							23.1	215.7	41,500	165
170							7.0	194.4	39,300	170

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL | **332,000 lb + 120,000 lb** | **360°**

196.9 ft | **98.4 ft**

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
50	72.8	299.9	220,400 ***c**							50
55	69.7	298.1	207,500 ***b**							55
60	66.5	295.9	195,400 ***b**	70.8	298.2	199,100 ***b**				60
65	63.2	293.4	184,100 ***b**	67.7	296.2	187,700 ***b**				65
70	59.9	290.5	173,500 *	64.5	293.8	177,000 ***b**				70
75	56.4	287.2	163,900 *	61.2	291.1	167,200 ***b**				75
80	52.8	283.5	154,800 *	57.7	288.0	157,700 *				80
85	48.9	279.2	146,300 *	54.2	284.4	149,100 *	65.9	292.4	144,100 **b**	85
90	44.8	274.2	138,400 *	50.4	280.3	140,900 *	62.6	289.8	133,900 **b**	90
95	40.4	268.5	130,900 *	46.4	275.6	133,300 *	59.2	286.8	124,900	95
100	35.5	261.7	123,700 *	42.1	270.2	126,200 *	55.7	283.4	116,900	100
105	29.9	253.5	116,900 *	37.4	263.9	119,400 *	52.0	279.6	109,800	105
110	23.0	242.7	110,300 *	32.1	256.3	113,000 *	48.1	275.2	103,400	110
115	12.5	225.6	102,800 *	25.8	246.6	106,700 *	44.0	270.1	97,600	115
120				17.3	232.9	99,700 *	39.5	264.2	92,300	120
125							34.5	257.2	87,400	125
130							28.7	248.5	83,000	130
135							21.3	237.0	78,800	135
140							9.0	216.5	74,700	140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180
185										185

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

196.9 ft

98.4 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110	60.5	284.0	92,700							110
115	57.0	280.7	87,500							115
120	53.4	277.1	82,700							120
125	49.6	272.9	78,400							125
130	45.5	268.0	74,400							130
135	41.2	262.5	70,700	54.4	272.7	62,400				135
140	36.4	255.9	67,200	50.7	268.7	59,400				140
145	30.9	247.9	64,000	46.7	264.0	56,600				145
150	24.3	237.7	61,000	42.5	258.7	53,900				150
155	14.9	222.4	58,100	37.8	252.4	51,400	51.4	262.6	44,600	155
160				32.6	244.9	49,100	47.5	258.0	42,600	160
165				26.3	235.5	46,900	43.3	252.8	40,600	165
170				18.1	222.3	44,700	38.7	246.8	38,800	170
175							33.5	239.5	37,100	175
180							27.5	230.5	35,400	180
185							19.8	218.2	33,800	185

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL | **332,000 lb + 120,000 lb** | **360°**

196.9 ft | **118.1 ft**

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
55	73.2	319.0	194,500 *b							55
60	70.6	317.3	184,400 *b							60
65	68.0	315.2	174,700 *b	71.6	317.4	177,300 *b				65
70	65.3	313.0	165,600 *	69.0	315.5	168,200 *b				70
75	62.6	310.4	157,000 *	66.4	313.3	159,500 *				75
80	59.8	307.5	149,100 *	63.7	310.8	151,500 *				80
85	56.9	304.3	141,600 *	60.9	308.0	143,800 *				85
90	53.9	300.6	134,500 *	58.0	304.9	136,600 *	67.5	311.7	132,200 b	90
95	50.8	296.6	127,900 *	55.1	301.5	129,700 *	64.8	309.4	123,300	95
100	47.5	292.1	121,700 *	52.0	297.6	123,300 *	62.1	306.7	115,400	100
105	44.1	287.0	115,800 *	48.8	293.3	117,300 *	59.3	303.8	108,300	105
110	40.4	281.3	110,200 *	45.4	288.4	111,700 *	56.3	300.5	102,000	110
115	36.4	274.7	104,700 *	41.8	283.0	106,300 *	53.3	296.8	96,200	115
120	31.9	266.9	99,600 *	37.9	276.7	101,000	50.2	292.7	91,000	120
125	26.7	257.5	94,700 *	33.7	269.4	95,800	46.9	288.0	86,200	125
130	20.4	245.4	89,800 *	28.8	260.8	90,900	43.4	282.9	81,900	130
135	10.4	225.5	82,100 *	23.0	249.9	86,400	39.6	276.9	77,800	135
140				15.0	234.3	80,000 *	35.5	270.1	74,100	140
145							31.0	262.1	70,600	145
150							25.6	252.3	67,300	150
155							18.8	239.3	64,200	155
160							6.7	214.7	61,100	160
165										165
170										170
175										175
180										180
185										185
190										190
195										195
200										200
205										205

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

196.9 ft

118.1 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120	60.3	300.9	81,000							120
125	57.4	297.7	76,700							125
130	54.5	294.2	72,800							130
135	51.4	290.2	69,100							135
140	48.1	285.8	65,800							140
145	44.7	280.8	62,700	55.3	289.8	54,800				145
150	41.0	275.2	59,800	52.3	286.0	52,200				150
155	37.1	268.8	57,100	49.1	281.7	49,800				155
160	32.7	261.2	54,500	45.7	276.9	47,500				160
165	27.7	252.2	52,100	42.1	271.4	45,400	52.8	279.8	38,800	165
170	21.6	240.6	49,800	38.3	265.2	43,400	49.6	275.6	37,000	170
175	12.7	223.1	47,500	34.0	258.1	41,500	46.3	270.9	35,400	175
180				29.2	249.5	39,700	42.8	265.6	33,800	180
185				23.5	238.9	38,000	39.0	259.5	32,300	185
190				15.8	223.8	36,300	34.8	252.6	30,900	190
195							30.1	244.3	29,500	195
200							24.6	234.1	28,200	200
205							17.4	220.2	26,900	205

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL | **332,000 lb + 120,000 lb** | **360°**

196.9 ft | **137.8 ft**

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
60	73.5	338.1	174,000 *b							60
65	71.3	336.4	165,800 *b							65
70	69.1	334.5	158,000 *	72.1	336.5	159,900 *b				70
75	66.8	332.4	150,500 *	69.9	334.6	152,400 *				75
80	64.5	330.0	143,300 *	67.7	332.6	145,200 *				80
85	62.2	327.3	136,600 *	65.4	330.3	138,400 *				85
90	59.8	324.4	130,400 *	63.1	327.8	132,000 *				90
95	57.3	321.2	124,400 *	60.7	325.0	125,900 *				95
100	54.8	317.7	118,700 *	58.2	321.9	120,200 *	66.4	328.8	114,200	100
105	52.1	313.9	113,400 *	55.7	318.5	114,600 *	64.1	326.4	107,100	105
110	49.4	309.6	108,300 *	53.1	314.8	109,400 *	61.7	323.7	100,800	110
115	46.6	305.0	103,500 *	50.5	310.7	104,500 *	59.3	320.7	95,100	115
120	43.6	299.8	98,900 *	47.7	306.2	99,900 *	56.8	317.5	89,900	120
125	40.4	294.0	94,600 *	44.7	301.2	95,000	54.2	313.9	85,100	125
130	37.0	287.5	90,300 *	41.6	295.7	90,200	51.6	310.0	80,800	130
135	33.3	280.1	86,300 *	38.3	289.5	85,800	48.9	305.7	76,800	135
140	29.1	271.5	82,400 *	34.7	282.5	81,700	46.0	300.9	73,100	140
145	24.3	261.1	78,600 *	30.8	274.4	77,900	43.0	295.6	69,700	145
150	18.3	247.5	73,400 *	26.2	264.7	74,400	39.7	289.7	66,500	150
155	8.6	224.7	66,700 *	20.8	252.6	70,800 *	36.3	283.0	63,500	155
160				13.2	235.1	65,400 *	32.5	275.4	60,700	160
165							28.2	266.5	58,100	165
170							23.3	255.6	55,600	170
175							16.9	241.1	53,200	175
180							4.2	211.1	50,800	180
185										185
190										190
195										195
200										200
205										205
210										210
215										215
220										220
225										225

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

196.9 ft

137.8 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115										115
120										120
125	62.6	320.7	75,400							125
130	60.2	317.9	71,500							130
135	57.7	314.7	67,900							135
140	55.2	311.3	64,500							140
145	52.6	307.5	61,500							145
150	49.9	303.3	58,600							150
155	47.1	298.7	55,900	55.9	306.8	48,400				155
160	44.1	293.6	53,400	53.3	303.1	46,200				160
165	40.9	288.0	51,100	50.7	299.1	44,100				165
170	37.6	281.6	48,900	47.9	294.6	42,200				170
175	33.9	274.4	46,800	45.0	289.7	40,300				175
180	29.9	266.0	44,800	41.9	284.2	38,600	51.1	293.0	32,500	180
185	25.2	255.9	43,000	38.6	278.0	37,000	48.4	288.6	31,000	185
190	19.5	243.1	41,200	35.0	271.1	35,400	45.5	283.7	29,600	190
195	11.0	223.2	39,300	31.1	263.1	33,900	42.4	278.3	28,300	195
200				26.6	253.6	32,400	39.2	272.3	27,100	200
205				21.3	241.7	31,100	35.7	265.5	25,900	205
210				14.0	224.9	29,700	31.8	257.7	24,700	210
215							27.5	248.5	23,600	215
220							22.3	237.2	22,500	220
225							15.5	221.7	21,500	225

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

196.9 ft

157.5 ft

	87°			85°			80°			
ft	°	ft	lb	°	ft	lb	°	ft	lb	ft
65	73.7	357.1	151,500 *b							65
70	71.8	355.5	149,200 *							70
75	69.9	353.7	142,900 *	72.5	355.6	144,200 *				75
80	67.9	351.6	136,600 *	70.6	353.8	138,000 *				80
85	65.9	349.4	130,700 *	68.7	351.9	132,100 *				85
90	63.9	347.0	125,000 *	66.7	349.7	126,300 *				90
95	61.8	344.3	119,600 *	64.7	347.3	120,800 *				95
100	59.7	341.4	114,600 *	62.6	344.8	115,700 *				100
105	57.6	338.2	109,700 *	60.5	341.9	110,800 *	67.5	348.1	105,500	105
110	55.4	334.8	105,100 *	58.4	338.9	106,000 *	65.5	345.9	99,200	110
115	53.1	331.1	100,700 *	56.2	335.6	101,400 *	63.5	343.4	93,500	115
120	50.8	327.0	96,500 *	54.0	331.9	97,200 *	61.4	340.6	88,300	120
125	48.3	322.6	92,500 *	51.7	328.0	93,100 *	59.3	337.7	83,600	125
130	45.8	317.8	88,700 *	49.3	323.7	89,000	57.1	334.5	79,300	130
135	43.2	312.5	85,000 *	46.8	319.1	84,600	54.9	331.0	75,300	135
140	40.4	306.8	81,500 *	44.2	314.0	80,600	52.6	327.2	71,700	140
145	37.4	300.4	78,100 *	41.5	308.4	76,900	50.3	323.1	68,300	145
150	34.2	293.2	74,900 *	38.6	302.3	73,400	47.8	318.6	65,100	150
155	30.8	285.0	71,700 *	35.5	295.4	70,100	45.3	313.7	62,200	155
160	26.9	275.6	68,700 *	32.1	287.7	67,100	42.6	308.4	59,500	160
165	22.3	264.2	64,500 *	28.4	278.8	64,200	39.8	302.5	56,900	165
170	16.6	249.3	60,200 *	24.2	268.2	61,500	36.8	295.9	54,500	170
175	6.9	223.2	54,300 *	19.0	255.0	58,000 *	33.6	288.6	52,200	175
180				11.7	235.5	53,300 *	30.0	280.2	50,000	180
185							26.1	270.4	48,000	185
190							21.4	258.5	46,000	190
195							15.3	242.5	44,100	195
200										200
205										205
210										210
215										215
220										220
225										225
230										230

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

59 + 58 HL

332,000 lb + 120,000 lb

360°

196.9 ft

157.5 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb
65						
70						
75						
80						
85						
90						
95						
100						
105						
110						
115						
120						
125						
130						
135	62.2	337.7	66,100			
140	60.1	334.8	62,800			
145	57.9	331.7	59,800			
150	55.7	328.3	57,000			
155	53.5	324.6	54,300			
160	51.2	320.6	51,900			
165	48.8	316.3	49,600	56.4	323.9	42,400
170	46.2	311.6	47,400	54.1	320.3	40,400
175	43.6	306.4	45,400	51.8	316.4	38,600
180	40.9	300.7	43,400	49.4	312.1	36,900
185	37.9	294.4	41,600	47.0	307.5	35,300
190	34.8	287.4	39,900	44.4	302.5	33,800
195	31.4	279.4	38,200	41.7	296.9	32,300
200	27.6	270.2	36,700	38.8	290.8	30,900
205	23.2	259.2	35,200	35.7	284.0	29,600
210	17.7	245.1	33,700	32.4	276.4	28,400
215	9.4	222.9	32,200	28.7	267.5	27,200
220				24.5	257.1	26,000
225				19.5	244.2	24,800
230				12.4	225.5	23,700

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

196.9 ft

177.2 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
70	73.9	376.2	131,900 *							70
75	72.2	374.6	130,500 *							75
80	70.5	372.8	128,600 *	72.8	374.6	129,400 *				80
85	68.7	370.9	123,500 *	71.1	372.9	124,400 *				85
90	67.0	368.8	118,500 *	69.4	371.0	119,500 *				90
95	65.2	366.5	113,800 *	67.7	369.0	114,700 *				95
100	63.4	364.0	109,200 *	65.9	366.8	110,100 *				100
105	61.6	361.3	104,900 *	64.1	364.4	105,600 *				105
110	59.7	358.4	100,700 *	62.3	361.7	101,500 *				110
115	57.8	355.2	96,800 *	60.4	358.9	97,400 *	66.6	365.2	92,200	115
120	55.8	351.8	92,900 *	58.5	355.9	93,600 *	64.9	362.9	87,000	120
125	53.8	348.2	89,300 *	56.6	352.6	89,800 *	63.0	360.4	82,400	125
130	51.8	344.3	85,800 *	54.6	349.0	86,200 *	61.2	357.6	78,100	130
135	49.7	340.1	82,500 *	52.6	345.2	82,800 *	59.3	354.6	74,100	135
140	47.5	335.5	79,300 *	50.5	341.1	79,600	57.4	351.5	70,500	140
145	45.2	330.6	76,200 *	48.3	336.7	75,800	55.4	348.0	67,100	145
150	42.9	325.3	73,300 *	46.1	332.0	72,400	53.4	344.4	63,900	150
155	40.4	319.5	70,400 *	43.8	326.8	69,100	51.4	340.4	61,000	155
160	37.8	313.2	67,600 *	41.3	321.2	66,100	49.2	336.1	58,300	160
165	35.0	306.2	64,900 *	38.8	315.1	63,300	47.0	331.5	55,700	165
170	32.0	298.4	62,400 *	36.1	308.3	60,700	44.8	326.5	53,400	170
175	28.7	289.5	59,900 *	33.2	300.8	58,200	42.4	321.1	51,100	175
180	25.0	279.3	56,500 *	30.0	292.4	55,800	39.9	315.2	49,000	180
185	20.7	266.9	53,100 *	26.5	282.8	53,600	37.2	308.7	47,000	185
190	15.2	250.7	49,200 *	22.4	271.4	51,000 *	34.4	301.6	45,100	190
195	5.3	220.6	44,200 *	17.5	257.0	47,700 *	31.4	293.6	43,300	195
200				10.4	235.5	43,400 *	28.0	284.5	41,500	200
205							24.2	274.0	39,900	205
210							19.8	261.0	38,300	210
215							13.9	243.6	36,700	215
220										220
225										225
230										230
235										235

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

59 + 58 HL

332,000 lb + 120,000 lb

360°

196.9 ft

177.2 ft

	75°		
ft	°	ft	lb
70			
75			
80			
85			
90			
95			
100			
105			
110			
115			
120			
125			
130			
135			
140			
145	61.9	354.6	58,400
150	60.0	351.8	55,600
155	58.1	348.7	53,000
160	56.2	345.3	50,500
165	54.2	341.7	48,300
170	52.1	337.9	46,100
175	50.0	333.7	44,100
180	47.9	329.2	42,200
185	45.6	324.4	40,400
190	43.3	319.1	38,700
195	40.8	313.4	37,100
200	38.2	307.2	35,600
205	35.5	300.3	34,100
210	32.5	292.7	32,700
215	29.3	284.0	31,400
220	25.7	274.1	30,100
225	21.5	262.1	28,800
230	16.3	246.8	27,600
235	8.1	221.9	26,400

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

196.9 ft

196.9 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
75	74.0	395.2	115,100 *							75
80	72.5	393.7	114,100 *							80
85	71.0	392.0	113,000 *							85
90	69.4	390.1	110,600 *	71.6	392.0	112,400 *				90
95	67.8	388.0	107,300 *	70.0	390.2	108,800 *				95
100	66.3	385.9	103,900 *	68.4	388.2	104,800 *				100
105	64.6	383.5	100,200 *	66.9	386.1	100,800 *				105
110	63.0	381.0	96,400 *	65.3	383.8	97,000 *				110
115	61.4	378.2	92,800 *	63.6	381.3	93,300 *				115
120	59.7	375.3	89,400 *	62.0	378.7	89,800 *	67.5	384.5	85,400	120
125	58.0	372.2	86,000 *	60.3	375.9	86,400 *	65.9	382.3	80,800	125
130	56.2	368.9	82,800 *	58.6	372.8	83,200 *	64.3	379.9	76,500	130
135	54.4	365.3	79,700 *	56.9	369.6	80,000 *	62.7	377.3	72,600	135
140	52.6	361.5	76,800 *	55.1	366.1	76,900 *	61.0	374.6	68,900	140
145	50.7	357.4	73,900 *	53.3	362.4	74,100 *	59.3	371.6	65,600	145
150	48.8	353.1	71,100 *	51.4	358.4	71,100	57.6	368.5	62,400	150
155	46.8	348.4	68,500 *	49.5	354.2	67,900	55.9	365.1	59,500	155
160	44.7	343.4	65,900 *	47.6	349.6	64,900	54.1	361.5	56,800	160
165	42.6	338.1	63,500 *	45.5	344.8	62,100	52.2	357.6	54,300	165
170	40.4	332.3	61,100 *	43.4	339.6	59,500	50.3	353.5	51,900	170
175	38.0	326.0	58,800 *	41.2	333.9	57,000	48.4	349.1	49,700	175
180	35.6	319.1	56,600 *	38.9	327.8	54,600	46.4	344.4	47,600	180
185	32.9	311.5	54,400 *	36.5	321.2	52,400	44.3	339.3	45,600	185
190	30.1	303.1	52,100 *	34.0	313.9	50,300	42.2	333.9	43,700	190
195	27.0	293.6	49,300 *	31.2	305.9	48,400	39.9	328.0	41,900	195
200	23.4	282.6	46,500 *	28.2	296.8	46,500	37.6	321.6	40,200	200
205	19.3	269.3	43,600 *	24.8	286.4	44,400 *	35.1	314.6	38,600	205
210	14.0	251.8	40,100 *	21.0	274.1	41,800 *	32.4	306.9	37,100	210
215	3.5	216.2	35,700 *	16.2	258.6	38,800 *	29.5	298.3	35,600	215
220				9.2	235.0	35,000 *	26.3	288.5	34,200	220
225							22.7	277.1	32,900	225
230							18.4	263.2	31,600	230
235							12.7	244.3	30,300	235
240										240
245										245
250										250

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

59 + 58 HL

332,000 lb + 120,000 lb

360°

196.9 ft

196.9 ft

	75°		
ft	°	ft	lb
75			
80			
85			
90			
95			
100			
105			
110			
115			
120			
125			
130			
135			
140			
145			
150			
155	61.6	371.6	51,300
160	60.0	368.7	48,900
165	58.3	365.6	46,600
170	56.5	362.4	44,500
175	54.7	358.8	42,500
180	52.9	355.1	40,600
185	51.0	351.0	38,800
190	49.1	346.8	37,100
195	47.1	342.2	35,500
200	45.1	337.2	34,000
205	43.0	331.9	32,600
210	40.8	326.2	31,200
215	38.4	320.0	29,900
220	36.0	313.2	28,700
225	33.4	305.8	27,500
230	30.6	297.5	26,400
235	27.5	288.2	25,300
240	24.1	277.5	24,200
245	20.1	264.7	23,100
250	15.0	248.2	22,100

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

216.5 ft

78.7 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
45	72.9	300.9	222,200 ***d**							45
50	69.0	299.0	209,100 ***d**							50
55	65.0	296.6	196,600 ***b**	71.0	299.4	201,500 ***d**				55
60	60.9	293.9	184,800 ***b**	67.1	297.3	189,700 ***c**				60
65	56.5	290.6	173,900 ***b**	63.0	294.7	178,600 ***b**				65
70	51.9	286.7	163,800 *	58.8	291.7	168,100 ***b**				70
75	47.0	282.2	154,300 *	54.3	288.2	158,400 ***b**				75
80	41.6	276.7	145,700 *	49.6	284.0	149,500 *	66.2	294.0	153,600 **c**	80
85	35.5	270.0	137,400 *	44.5	279.0	141,000 *	62.0	291.3	142,100 **b**	85
90	28.2	261.3	129,500 *	38.8	273.0	133,000 *	57.8	288.2	132,000 **b**	90
95	18.2	248.5	121,600 *	32.2	265.5	125,300 *	53.2	284.5	123,200 **b**	95
100				23.9	255.3	117,800 *	48.4	280.2	115,300	100
105				9.9	236.6	110,100 *	43.2	275.0	108,200	105
110							37.3	268.7	101,900	110
115							30.4	260.6	96,000	115
120							21.5	249.5	90,700	120
125										125
130										130
135										135
140										140
145										145
150										150
155										155
160										160
165										165
170										170
175										175

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

216.5 ft

78.7 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
45										45
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105	60.8	286.1	96,000 **b**							105
110	56.4	282.8	90,300 **b**							110
115	51.8	278.9	85,200 **b**							115
120	46.9	274.4	80,500							120
125	41.5	268.9	76,300							125
130	35.4	262.1	72,300	54.7	275.4	63,000 **b**				130
135	28.1	253.4	68,600	50.0	271.3	59,800				135
140	18.0	240.5	65,100	44.9	266.4	56,900				140
145				39.2	260.5	54,100				145
150				32.8	253.1	51,500	52.4	265.9	43,800 **b**	150
155				24.7	243.2	49,000	47.5	261.4	41,800	155
160				11.7	226.1	46,500	42.1	256.0	39,800	160
165							36.1	249.4	37,900	165
170							29.0	241.0	36,100	170
175							19.4	228.8	34,300	175

REFERENCE ONLY!

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

216.5 ft

98.4 ft

ft	87° °	87° ft	87° lb	85° °	85° ft	85° lb	80° °	80° ft	80° lb	ft
50	73.4	319.9	193,000 ***d**							50
55	70.3	318.2	185,500 ***b**							55
60	67.2	316.1	175,600 ***b**	71.9	318.5	179,200 ***c**				60
65	63.9	313.6	166,200 ***b**	68.8	316.5	169,700 ***b**				65
70	60.6	310.8	157,400 ***b**	65.6	314.3	160,800 ***b**				70
75	57.1	307.6	149,200 *	62.3	311.7	152,400 ***b**				75
80	53.5	304.0	141,500 *	58.9	308.7	144,400 *				80
85	49.7	299.8	134,400 *	55.4	305.3	137,100 *				85
90	45.7	295.0	127,600 *	51.7	301.4	130,100 *	64.8	311.0	130,900 **b**	90
95	41.3	289.4	121,200 *	47.8	296.9	123,600 *	61.5	308.3	122,200 **b**	95
100	36.6	282.9	115,200 *	43.6	291.8	117,400 *	58.1	305.2	114,400	100
105	31.1	275.0	109,400 *	39.1	285.8	111,500 *	54.6	301.7	107,400	105
110	24.5	264.9	103,700 *	34.0	278.7	105,800 *	50.8	297.6	101,100	110
115	15.3	249.9	97,900 *	28.1	269.9	100,200 *	46.9	293.0	95,400	115
120				20.6	258.0	94,700 *	42.6	287.7	90,200	120
125				6.9	235.0	88,900 *	38.0	281.5	85,500	125
130							32.7	274.0	81,100	130
135							26.6	264.7	77,100	135
140							18.4	251.6	73,300	140
145										145
150										150
155										155
160										160
165										165
170										170
175										175
180										180
185										185
190										190
195										195

REFERENCE ONLY

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.

16000 S-3

ANSI B30.5

59 + 58 HL

332,000 lb + 120,000 lb

360°

216.5 ft

98.4 ft

ft	75° °	75° ft	75° lb	70° °	70° ft	70° lb	65° °	65° ft	65° lb	ft
50										50
55										55
60										60
65										65
70										70
75										75
80										80
85										85
90										90
95										95
100										100
105										105
110										110
115	60.5	303.0	84,000 **b**							115
120	57.1	299.8	79,400							120
125	53.5	296.1	75,200							125
130	49.7	292.0	71,400							130
135	45.6	287.2	67,800							135
140	41.3	281.6	64,500	55.7	292.5	55,600				140
145	36.5	275.0	61,400	52.0	288.6	53,000				145
150	31.0	267.1	58,600	48.1	284.2	50,500				150
155	24.4	257.0	55,800	44.0	279.1	48,100				155
160	15.1	241.8	53,200	39.5	273.2	45,900				160
165				34.5	266.2	43,800	50.1	279.0	36,700	165
170				28.6	257.6	41,900	46.1	274.2	35,000	170
175				21.3	246.1	39,900	41.8	268.7	33,500	175
180				9.0	225.5	38,000	37.0	262.3	31,900	180
185							31.7	254.6	30,500	185
190							25.2	244.7	29,100	190
195							16.4	230.5	27,700	195

REFERENCE ONLY!