

MANITOWOC 60' PLATFORM RINGER
LIFT CRANE CAPACITIES - 1,206,900# CWT.
BOOM #63
2 DEGREE MACHINE LIST

RAD. IN. FT.	CAPACITIES IN THOUSANDS OF LBS. BOOM LENGTH - FT.								RAD. IN. FT.
	140	160	180	200	220	240	260	280	
60	662.8*	637.3*							60
65	655.4*	635.2*	609.8*						65
70	648.1*	634.9*	606.9*	581.3*	531.2*				70
75	640.7*	630.8*	604.4*	580.8*	528.2*				75
80	633.4*	626.6*	597.2*	580.3*	524.3*	464.8*	415.3*	369.3*	80
85	626.1*	622.5*	590.0*	579.8*	520.3*	461.4*	412.4*	366.9*	85
90	589.2*	585.7*	582.9*	579.3*	516.3*	458.0*	409.4*	364.4*	90
95	556.2*	552.7*	550.0*	546.5*	512.2*	454.6*	406.5*	361.9*	95
100	526.6*	523.1*	520.4*	516.9*	508.2*	451.2*	403.5*	359.4*	100
105	499.7*	496.3*	493.6*	490.1*	487.4*	447.8*	400.5*	356.8*	105
110	475.3*	471.9*	469.2*	465.8*	463.1*	444.3*	397.5*	354.2*	110
115	453.0*	449.6*	447.0*	443.6*	440.9*	437.5*	394.5*	351.6*	115
120	432.5*	429.2*	426.6*	423.3*	420.6*	417.2*	391.4*	349.0*	120
125	413.7*	410.4*	407.9*	404.5*	401.9*	398.5*	388.4*	346.4*	125
130	396.3*	393.1*	390.6*	387.2*	384.6*	381.3*	378.6*	343.8*	130
135	380.3*	377.0*	374.5*	371.2*	368.6*	365.3*	362.6*	341.1*	135
140	365.3*	362.1*	359.6*	356.4*	353.8*	350.5*	347.8*	338.5*	140
145	351.4*	348.2*	345.8*	342.5*	339.9*	336.7*	334.0*	330.7*	145
150	338.4*	335.3*	332.8*	329.6*	327.0*	323.8*	321.1*	317.9*	150
155	326.3*	323.1*	320.7*	317.5*	315.0*	311.7*	309.1*	305.9*	155
160		311.8*	309.4*	306.2*	303.6*	300.4*	297.8*	294.6*	160
165		301.1*	298.7*	295.5*	293.0*	289.8*	287.2*	284.0*	165
170		291.0*	288.7*	285.5*	283.0*	279.8*	277.2*	274.0*	170
175			279.2*	276.1*	273.6*	270.4*	267.8*	264.6*	175
180			270.3*	267.1*	264.7*	261.5*	258.9*	255.8*	180
185			261.8*	258.7*	256.2*	253.1*	250.5*	247.4*	185
190			253.8*	250.7*	248.2*	245.1*	242.5*	239.4*	190
195				243.1*	240.7*	237.5*	235.0*	231.9*	195
200				235.9*	233.5*	230.4*	227.8*	224.7*	200
205				229.0*	226.6*	223.5*	221.0*	217.9*	205
210				222.5*	220.1*	217.0*	214.5*	211.4*	210
215					213.8*	210.8*	208.3*	205.2*	215
220					207.9*	204.9*	202.3*	199.3*	220
225					202.2*	199.2*	196.7*	193.6*	225
230						193.8*	191.3*	188.2*	230
235						188.6*	186.1*	183.0*	235
240						183.6*	181.1*	178.1*	240
245						178.9*	176.3*	173.3*	245
250							171.8*	168.8*	250
255							167.4*	164.4*	255
260							163.1*	160.1*	260
265							159.1*	156.1*	265
270								152.2*	270
275								148.4*	275
280								144.8*	280

CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES BENEATH BOOM POINT SHEAVES, ETC., IS CONSIDERED PART OF THE MAIN BOOM LOAD. BOOM IS NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

UPPER BOOM POINT CAPACITIES FOR SINGLE PART LINE ARE 44,000# FOR 1-1/4 IN. WIRE ROPE, 45,000# FOR 1-3/8 IN. WIRE ROPE AND 50,000# FOR 1-1/2 IN. OR 1-5/8 IN. WIRE ROPE. CAPACITIES FOR TWO PART LINE ARE 33,000# FOR 1-1/4 IN. WIRE ROPE, 90,000# FOR 1-3/8 IN. WIRE ROPE AND 100,000# FOR 1-1/2 IN. WIRE ROPE. 1-5/8 IN. WIRE ROPE CANNOT BE USED FOR TWO PART LINE. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR THE MAIN BOOM CAPACITY.

MACHINE TO OPERATE WITH ROLLER PATH PROPERLY SUPPORTED AND WITH MACHINE LIST NOT TO EXCEED DEGREES NOTED ABOVE. REFER TO RIGGING #65742, LOAD LINE SPECIFICATION CHART #6928-A AND RANGE CHART #6952-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION AT TOP OF ROLLER PATH TO THE CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK.

MACHINE EQUIPPED WITH 3 DRUM (2 DRUM SHAFTS) 560 HOIST, FOUR RINGER SWINGERS, 130' MAST, 18 PART BOOM HOIST REEVING, EIGHT 1-3/8 IN. BOOM PENDANTS AND 1,206,900# COUNTERWEIGHT.