

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

MEETS ANSI B30.5 REQUIREMENTS

RAD. IN. FT.	CAPACITIES IN THOUSANDS OF LBS. BOOM LENGTH - FT.														RAD. IN. FT.
	140	160	180	200	220	240	260	280	300	320	340	360	380	400	
55	1,320.0*	1,229.7*													55
60	1,320.0*	1,208.1*													60
65	1,320.0*	1,193.7*													65
70	1,282.5*	1,179.4*													70
75	1,196.7*	1,165.1*													75
80	1,121.5	1,117.6													80
85	1,018.5	1,014.8													85
90	932.3	928.6													90
95	859.0	855.4													95
100	795.9	792.4													100
105	741.1	737.6													105
110	693.0	689.5													110
115	650.4	647.0													115
120	603.5*	609.1													120
125	560.1*	575.2													125
130	520.8*	544.6													130
135	484.7*	516.8													135
140	451.3*	491.5													140
145	420.1*	465.8*													145
150	390.6*	436.2*													150
155	362.1*	408.6*													155
160		382.6*													160
165		358.1*													165
170		334.5*													170
175															175
180															180
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295															295
300															300

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 JIB, ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES BENEATH BOOM AND JIB 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. SEE BOOM RAISING CAPABILITY CHART.

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 88,000# 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 LEVEL WITHIN A TOLERANCE OF 1-1/4 IN. IN 60 FT. AND PROPERLY SUPPORTED. 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.

DJK
REV. 4/9/79
DRWG. #6943-A

MANITOWOC ENGINEERING CO.

MANITOWOC, WISCONSIN

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED		DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
BM. LGTH.	JIB #27AB	JIB LGTH.	JIB #27AB
400'	---	80'	48,000#
380'	120'	100'	57,800#
		120'	67,000#
LOAD BLOCK, HOOK & WEIGHT BALL ON GROUND AT START.			