

MANITOWOC 4600 SERIES 4

LIFT CRANE CAPACITIES - 120,000 # CWT. OR 123,000# CWT.

BOOM #278 WITH OPEN THROAT TOP

CRAWLER MACHINE ON BARGE - 0 DEGREE MACHINE LIST

RAD. IN. FT.	CAPACITIES IN THOUSANDS OF LBS.																			RAD. IN. FT.
	BOOM LENGTH - FT.																			
	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	
20	700.0*	647.3*																		20
21	623.0*	621.3*																		21
22	584.8	584.3																		22
23	537.0	536.4																		23
24	496.3	495.7																		24
25	461.1	460.5																		25
26	430.6	429.9																		26
27	403.7	403.0																		27
28	379.9	379.2																		28
29	358.6	358.0																		29
30	339.6	338.9																		30
32	306.8	306.1																		32
34	279.6	278.8																		34
36	256.6	255.9																		36
38	237.0	236.3																		38
40	220.1	219.3																		40
45	186.3	185.5																		45
50	161.1	160.3																		50
55	141.5	140.7																		55
60	125.9	125.1																		60
65	113.2	112.3																		65
70	102.6	101.7																		70
75	93.6	92.8																		75
80		85.1																		80
85		78.5																		85
90																				90
95																				95
100																				100
105																				105
110																				110
115																				115
120																				120
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175																				175
180																				180
185																				185
190																				190
195																				195
200																				200

CAPACITIES ARE FOR A CRAWLER MACHINE WHEN OPERATING ON A BARGE. MACHINE SHALL BE POSITIVELY SECURED TO PREVENT SHIFTING. 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.

REFER TO RIGGING #65234, LOAD LINE SPECIFICATION CHART #6495-A AND RANGE CHART #6785-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 BARGE DECK TO THE CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK.

MACHINE EQUIPPED WITH 30'-5 CRAWLERS, 60 IN. TREADS, 33' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-3/8 IN. BOOM PENDANTS, 123,000# CWT. WITH CWT. ASSEMBLY #190821 (120,000# WITH CWT. ASSEMBLY #49667).