

MANITOWOC 36' PLATFORM RINGER
 LIFTCRANE CAPACITIES - 550,000# CWT.
 BOOM #27A-27 WITH OPEN THROAT TOP
 1 DEGREE MACHINE LIST

RAD. IN FT.	CAPACITIES IN POUNDS									RAD. IN FT.
	BOOM LENGTH - FT.									
	140	160	180	200	220	240	260	280	300	
40	435,100*									40
45	426,000*	407,000*								45
50	418,000*	399,000*								50
55	409,900*	391,700*	378,400*	345,400*	302,300*	255,500*				55
60	374,000*	358,300*	343,000*	343,600*	300,100*	253,300*				60
65	343,700*	330,000*	316,400*	329,700*	293,300*	251,100*	226,800*	198,500*	171,200*	65
70	317,800*	305,700*	293,500*	283,100*	272,800*	248,900*	222,400*	196,400*	169,400*	70
75	295,400*	284,500*	273,500*	264,100*	254,900*	246,300*	220,200*	194,200*	167,400*	75
80	275,900*	266,000*	255,900*	247,400*	238,900*	231,100*	217,400*	192,100*	165,500*	80
85	256,200*	249,600*	240,300*	232,500*	224,700*	217,500*	205,000*	188,700*	163,600*	85
90	235,900*	235,000*	226,300*	219,200*	211,900*	205,200*	194,100*	178,900*	161,600*	90
95	218,200*	222,000*	213,800*	207,200*	200,400*	194,100*	184,200*	170,000*	157,000*	95
100	202,500*	210,200*	202,500*	196,300*	189,900*	184,100*	175,200*	162,000*	149,700*	100
105	188,400*	198,500*	192,300*	186,400*	180,400*	174,900*	167,100*	154,700*	143,100*	105
110	174,900*	185,300*	182,900*	177,400*	171,700*	166,400*	159,500*	148,000*	137,000*	110
115	162,500*	173,400*	174,100*	169,100*	163,700*	158,700*	152,600*	141,800*	131,400*	115
120	151,100*	162,500*	164,900*	161,500*	156,300*	151,500*	146,100*	136,000*	126,200*	120
125	140,500*	152,700*	156,500*	154,500*	149,500*	144,900*	140,100*	130,700*	121,300*	125
130	130,400*	143,700*	148,800*	147,100*	143,200*	138,800*	134,400*	125,600*	116,800*	130
135	120,800*	135,300*	140,600*	140,000*	137,300*	133,100*	128,900*	120,900*	112,500*	135
140	111,500*	127,600*	132,700*	133,600*	131,400*	127,700*	123,700*	116,400*	108,500*	140
145		119,500*	125,300*	127,600*	125,500*	122,700*	118,900*	112,200*	104,700*	145
150		111,800*	118,500*	122,100*	120,000*	118,100*	114,300*	108,200*	101,100*	150
155		104,200*	112,200*	117,000*	114,900*	113,100*	110,000*	104,400*	97,700*	155
160		96,800*	106,200*	110,900*	110,100*	108,300*	106,000*	100,700*	94,400*	160
165			100,600*	105,200*	105,700*	103,900*	102,000*	97,200*	91,300*	165
170			93,000*	99,900*	101,500*	99,700*	97,900*	93,900*	88,300*	170
175			89,000*	94,800*	97,600*	95,800*	94,000*	90,600*	85,400*	175
180			83,000*	90,100*	93,100*	92,200*	90,400*	87,500*	82,600*	180
185				85,500*	88,600*	88,700*	86,900*	84,600*	79,900*	185
190				81,200*	84,300*	85,500*	83,700*	81,700*	77,400*	190
195				76,900*	80,200*	82,400*	80,600*	78,900*	74,900*	195
200				72,000*	76,300*	78,800*	77,700*	76,000*	72,400*	200
205					72,500*	75,100*	75,000*	73,300*	70,100*	205
210					68,900*	71,500*	72,400*	70,700*	67,800*	210
215					65,400*	68,100*	69,900*	68,200*	65,600*	215
220					61,800*	64,900*	66,700*	65,900*	63,400*	220
225						61,700*	63,600*	63,500*	61,200*	225
230						58,700*	60,600*	61,200*	59,200*	230
240						52,800*	55,000*	56,400*	55,100*	240
250							49,700*	51,200*	51,200*	250
260							44,600*	46,400*	47,300*	260

CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 85% 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.

MACHINE TO OPERATE WITH ROLLER PATH PROPERLY SUPPORTED AND WITH MACHINE LIST NOT TO EXCEED DEGREES NOTED ABOVE. REFER TO RIGGING #65542, LOAD LINE SPECIFICATION CHART #6907-A AND RANGE CHART #6577-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 390 HOIST, FOUR RINGER SWINGERS, 130' MAST, 8 PART BOOM HOIST REEVING, FOUR 1-3/8 IN. BOOM PENDANTS AND 550,000# COUNTERWEIGHT.