

MANITOWOC 36' PLATFORM RINGER

LIFT CRANE CAPACITIES - 550,000# CWT.

BOOM #27A-27 WITH OPEN THROAT TOP

2 DEGREE MACHINE LIST

RAD. IN FT.	CAPACITIES IN POUNDS							RAD. IN FT.	
	BOOM LENGTH - FT.								
	140	160	180	200	220	240	260	280	
45	303,000*	287,500*							45
50	302,400*	286,800*	272,300*						50
55	301,700*	286,100*	271,400*						55
60	301,000*	285,400*	270,400*	254,900*					60
65	300,400*	284,700*	269,500*	250,000*	238,600*	212,000*			65
70	280,100*	265,900*	252,100*	245,000*	233,800*	210,200*	179,100*		70
75	262,300*	249,400*	236,800*	240,400*	229,100*	208,500*	177,400*	156,000*	75
80	246,600*	234,700*	223,100*	226,100*	215,700*	206,200*	175,800*	154,400*	80
85	232,600*	221,700*	210,800*	213,300*	203,700*	194,900*	174,200*	152,800*	85
90	220,100*	209,900*	199,700*	201,800*	192,800*	184,600*	172,500*	151,200*	90
95	208,900*	199,300*	189,700*	191,300*	182,900*	175,300*	168,000*	149,600*	95
100	196,900*	189,700*	180,500*	181,800*	174,000*	166,800*	159,900*	148,000*	100
105	183,700*	180,900*	172,200*	173,100*	165,700*	158,900*	152,500*	146,300*	105
110	171,200*	172,900*	164,500*	165,200*	158,100*	151,700*	145,600*	139,800*	110
115	159,400*	165,500*	157,500*	157,900*	151,100*	144,000*	139,200*	133,600*	115
120	148,400*	158,400*	151,000*	151,100*	144,900*	138,700*	133,100*	128,000*	120
125	138,200*	149,100*	144,900*	144,900*	139,100*	133,100*	127,700*	122,700*	125
130	128,600*	140,500*	139,400*	139,100*	133,700*	127,900*	122,800*	117,800*	130
135	119,300*	132,500*	134,200*	128,700*	123,700*	118,100*	113,300*	108,700*	135
140	110,300*	125,200*	129,400*	124,000*	118,600*	113,700*	109,000*	104,600*	140
145		117,700*	122,500*	119,600*	114,300*	109,600*	105,100*	100,800*	145
150		110,200*	116,000*	115,500*	110,300*	105,700*	101,300*	97,100*	150
155		103,000*	109,900*	111,700*	106,600*	102,100*	97,800*	93,700*	155
160		95,800*	104,200*	108,100*	103,100*	98,600*	94,400*	90,400*	160
165			98,800*	102,900*	99,700*	95,400*	91,300*	87,400*	165
170			93,700*	97,800*	96,600*	92,300*	88,300*	84,400*	170
175			87,900*	93,000*	93,600*	89,400*	85,400*	81,700*	175
180			82,100*	88,400*	90,800*	86,700*	82,700*	79,000*	180
185				84,000*	86,700*	84,000*	80,100*	76,500*	185
190				79,900*	82,500*	81,600*	77,700*	74,100*	190
195				75,900*	78,600*	79,200*	75,400*	71,800*	195
200				71,300*	74,900*	76,800*	73,200*	69,700*	200
205					71,300*	73,400*	71,000*	67,600*	205
210					67,800*	70,000*	69,000*	65,600*	210
215					64,400*	66,800*	67,100*	63,700*	215
220					61,100*	63,600*	65,200*	61,900*	220
225						60,600*	62,200*	60,100*	225
230						57,700*	59,300*	58,500*	230
240						52,000*	53,900*	55,000*	240
250							48,800*	50,000*	250
260							43,900*	45,400*	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.