

**MANITOWOC 36' PLATFORM RINGER**

**LIFTCRANE CAPACITIES - 550,000# CWT.**

**BOOM #27A-27 WITH OPEN THROAT TOP**

**0 DEGREE MACHINE LIST**

RAD. IN FT.	CAPACITIES IN POUNDS											RAD. IN FT.
	BOOM LENGTH - FT.											
	140	160	180	200	220	240	260	280	300	320	340	
36	600,000*											36
38	600,000*											38
40	600,000*											40
45	600,000*											45
50	547,400*	600,000*										50
55	486,900*	531,000*										55
60	438,000*	473,400*										60
65	397,300*	426,700*	544,300*	465,300*								65
70	355,000*	388,100*	514,800*	462,000*	403,500*	349,200*						70
75	320,500*	355,600*	459,900*	448,000*	399,800*	345,400*	303,300*					75
80	290,700*	325,300*	415,800*	405,100*	381,800*	341,500*	299,700*	267,500*				80
85	266,000*	297,800*	378,000*	369,400*	347,900*	319,300*	294,300*	264,000*	231,000*			85
90	244,000*	274,300*	347,100*	339,100*	318,600*	293,900*	271,600*	250,900*	227,500*	204,400*		90
95	225,100*	254,100*	319,800*	313,100*	294,400*	272,400*	251,700*	233,000*	216,700*	201,200*	171,900*	95
100	208,400*	236,400*	297,800*	295,700*	273,500*	253,900*	235,100*	217,800*	202,400*	188,600*	168,700*	100
105	192,900*	220,800*	272,300*	270,900*	255,300*	237,700*	220,800*	204,500*	190,100*	177,000*	165,500*	105
110	178,800*	205,000*	252,000*	250,900*	239,200*	223,800*	207,800*	192,800*	179,300*	167,100*	155,900*	110
115	165,800*	192,900*	234,400*	233,300*	224,800*	210,800*	196,400*	182,500*	169,700*	158,100*	147,400*	115
120	153,900*	180,900*	218,800*	217,700*	211,800*	199,400*	186,100*	173,200*	161,300*	149,900*	139,800*	120
125	142,800*	171,800*	204,000*	200,100*	189,000*	179,500*	178,900*	164,800*	153,400*	142,700*	133,200*	125
130	132,400*	162,700*	191,700*	189,600*	179,500*	179,500*	168,400*	157,100*	146,400*	136,300*	126,900*	130
135	122,400*	156,500*	181,700*	180,600*	179,000*	170,800*	160,600*	150,100*	139,900*	130,200*	121,400*	135
140	112,800*	147,000*	171,800*	170,700*	169,100*	162,700*	153,600*	143,600*	134,000*	124,700*	116,100*	140
145		141,400*	162,700*	161,600*	160,000*	155,300*	146,800*	137,600*	128,500*	119,800*	111,400*	145
150		133,300*	153,500*	153,400*	151,800*	148,300*	140,500*	132,000*	123,500*	115,000*	107,000*	150
155		129,800*	144,400*	145,800*	144,200*	141,800*	134,700*	126,900*	118,700*	110,600*	102,900*	155
160		121,400*	136,100*	138,900*	137,300*	135,600*	129,200*	121,900*	114,200*	106,500*	99,100*	160
165		113,300*	128,300*	132,500*	130,900*	129,500*	124,100*	117,300*	110,100*	102,600*	95,600*	165
170		105,500*	121,200*	126,600*	125,000*	123,600*	119,200*	112,900*	106,000*	99,000*	92,200*	170
175		97,900*	114,500*	120,000*	119,500*	118,100*	114,500*	108,700*	102,300*	95,600*	89,000*	175
180			108,300*	113,600*	114,400*	113,000*	110,900*	104,700*	98,700*	92,300*	86,000*	180
185			102,400*	107,700*	109,700*	108,300*	105,900*	101,000*	95,300*	89,200*	83,100*	185
190			96,300*	102,100*	105,200*	103,800*	101,900*	97,300*	92,000*	86,200*	80,400*	190
195			90,100*	95,800*	100,400*	99,700*	98,100*	93,900*	88,900*	83,400*	77,700*	195
200			83,900*	91,800*	95,400*	95,800*	94,300*	90,600*	85,900*	80,700*	75,300*	200
205				87,100*	90,600*	92,100*	90,500*	87,400*	83,000*	78,000*	72,900*	205
210				82,600*	86,100*	88,600*	87,100*	84,300*	80,200*	75,500*	70,600*	210
215				77,900*	81,900*	84,800*	83,900*	81,300*	77,500*	73,100*	68,500*	215
220				72,800*	77,800*	80,700*	80,700*	78,400*	74,900*	70,800*	66,300*	220
225					73,900*	76,800*	77,500*	75,600*	72,400*	68,500*	64,200*	225
230					70,100*	73,100*	74,500*	72,900*	70,000*	66,300*	62,100*	230
240					66,500*	69,600*	71,500*	70,200*	67,600*	64,200*	60,000*	240
250					62,500*	66,200*	68,400*	67,600*	65,300*	62,100*	58,100*	250
260						62,900*	65,100*	65,100*	63,000*	60,000*	54,300*	260
						59,700*	62,000*	62,600*	60,800*	58,100*		
						53,600*	56,100*	57,800*	56,600*	54,300*		
							50,600*	52,400*	52,400*			
							45,300*	47,400*	48,400*			

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 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.

MACHINE TO OPERATE WITH ROLLER PATH LEVEL WITHIN A TOLERANCE OF 3/4 IN. IN 36 FT. ON BOOM LENGTHS THRU 300', 3/8 IN. IN 36 FT. ON BOOMS OVER 300 FT. AND PROPERLY SUPPORTED. 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, TWO RINGER SWINGERS, 130' MAST, 8 PART BOOM HOIST REEVING, FOUR 1-3/8 IN. BOOM PENDANTS AND 550,000# COUNTERWEIGHT.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED				DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED			
BM. LGTH.	JIB #122A	JIB #123A	JIB LGTH.	JIB #122A	JIB #123A		
340'			30'			2,800#	
340'	50'	60'	40'	6,400#		3,600#	
			50'	7,500#		4,400#	
			60'			5,200#	

LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.