

MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220

LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

4100W SERIES 1
RINGER SERIES 3

JIB NO. 122A WITH 18'9" STRUT ON
BOOM NO. 27 WITH OPEN THROAT TOP
36' RINGER ATTACHMENT ON
BLOCKING OR SCREW JACKS
122,400 LB. CRANE COUNTERWEIGHT
275,000 LB. AUXILIARY COUNTERWEIGHT
85% TIPPING - 360 DEGREE RATING

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 6281-A1, NO. 6733-A1 OR NO. 7617-A1. CAPACITIES FOR VARIOUS BOOM LENGTHS, JIB LENGTHS AND JIB 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, ETC., BENEATH BOOM AND JIB POINT SHEAVES, IS CONSIDERED PART OF THE JIB LOAD. BOOM AND JIB ARE 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 ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH ROLLER PATH LEVEL WITHIN A TOLERANCE OF 3/4" IN 36' ON BOOM LENGTHS THRU 300', 3/8" IN 36' ON BOOMS OVER 300' AND PROPERLY SUPPORTED. REFER TO BOOM RIGGING NO. 50999, JIB ASSEMBLY NO. 181696 AND WIRE ROPE SPECIFICATION CHART NO. 6144. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION TO THE CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS THE ANGLE BETWEEN HORIZONTAL AND CENTERLINE OF BOOM BUTT AND INSERTS AND IS AN INDICATION OF OPERATING RADIUS. IN ALL CASES, OPERATING RADIUS SHALL GOVERN CAPACITY. JIB POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF JIB POINT SHAFT.

MACHINE EQUIPPED WITH 36' RINGER ATTACHMENT, 26" EXTENDIBLE CRAWLERS, 48" TREADS, 17' RETRACTABLE GANTRY, 130' MAST, 8 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, 14" DIAMETER X 16" WIDTH BOOM HOIST DRUMS, 122,400 LB. CRANE COUNTERWEIGHT, AND 275,000 LB. AUXILIARY COUNTERWEIGHT.

MAXIMUM CAPACITY ON 1-1/8" - 6 X 31 IPS, IWRC IS 28,300 LBS. PER LINE.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED	
BOOM LGTH.	JIB NO. 122A
340'	---
340'	50'
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.	

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
1 4 0	50	80.2	184.7	56,600*							50
	55	78.6	183.7	56,600*	80.1	183.2	56,600*				55
	60	77.0	182.5	56,600*	78.5	182.1	56,600*	80.6	180.6	56,600*	60
	65	75.3	181.2	56,600*	76.8	180.8	56,600*	78.9	179.3	56,600*	65
	70	73.7	179.8	56,600*	75.2	179.3	56,600*	77.2	177.8	56,600*	70
	75	72.0	178.2	56,600*	73.5	177.7	56,600*	75.5	176.2	56,600*	75
	80	70.3	176.4	56,600*	71.8	175.9	56,600*	73.8	174.4	56,600*	80
	85	68.6	174.4	56,600*	70.1	174.0	56,600*	72.1	172.4	55,300*	85
	90	66.9	172.3	56,600*	68.3	171.8	56,600*	70.3	170.2	53,200*	90
	95	65.1	170.0	56,600*	66.6	169.5	56,600*	68.6	167.9	51,300*	95
	100	63.3	167.5	56,600*	64.8	167.0	56,600*	66.8	165.4	49,500*	100
	110	59.7	161.9	56,600*	61.1	161.4	56,600*	63.1	159.7	46,300*	110
	120	55.9	155.4	56,600*	57.3	154.9	56,600*	59.2	153.1	43,600*	120
	130	51.9	147.9	56,600*	53.3	147.4	54,900*	55.2	145.5	41,300*	130
	140	47.7	139.3	56,600*	49.1	138.7	51,400*	50.9	136.6	39,300*	140
	150	43.2	129.2	54,100*	44.5	128.5	48,300*				150
	160	38.2	117.2	50,500*							160

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122,400 LB. CRANE COUNTERWEIGHT
275,000 LB. AUXILIARY COUNTERWEIGHT
85% TIPPING - 360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

4100W
4100W SERIES 1
RINGER SERIES 3

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
160	55	79.8	204.1	56,600*							55
	60	78.3	203.1	56,600*	79.7	202.6	56,600*				60
	65	76.8	201.9	56,600*	78.2	201.4	56,600*	80.1	199.9	56,600*	65
	70	75.3	200.6	56,600*	76.7	200.1	56,600*	78.6	198.6	56,600*	70
	75	73.8	199.2	56,600*	75.2	198.7	56,600*	77.1	197.1	56,600*	75
	80	72.3	197.6	56,600*	73.7	197.1	56,600*	75.5	195.5	56,600*	80
	85	70.8	195.9	56,600*	72.2	195.4	56,600*	74.0	193.8	56,600*	85
	90	69.3	194.0	56,600*	70.6	193.5	56,600*	72.5	191.9	55,700*	90
	95	67.8	191.9	56,600*	69.1	191.4	56,600*	70.9	189.8	53,800*	95
	100	66.2	189.8	56,600*	67.5	189.2	56,600*	69.3	187.6	52,000*	100
	110	63.0	184.9	56,600*	64.3	184.3	56,600*	66.1	182.6	48,900*	110
	120	59.7	179.2	56,600*	61.0	178.7	56,600*	62.7	177.0	46,100*	120
	130	56.3	172.8	56,600*	57.6	172.3	56,600*	59.3	170.5	43,700*	130
	140	52.8	165.5	56,600*	54.0	165.0	55,500*	55.7	163.0	41,600*	140
	150	49.0	157.2	56,600*	50.3	156.6	52,300*	51.9	154.6	39,800*	150
	160	45.1	147.7	55,700*	46.3	147.0	49,400*				160
	170	40.8	136.7	52,300*	42.0	136.0	46,900*				170
	180	36.1	123.8	49,300*							180
180	55	80.7	224.4	56,600*							55
	60	79.4	223.5	56,600*	80.6	223.0	56,600*				60
	65	78.0	222.5	56,600*	79.3	222.0	56,600*	81.0	220.4	56,600*	65
	70	76.7	221.3	56,600*	77.9	220.8	56,600*	79.6	219.2	56,600*	70
	75	75.4	220.0	56,600*	76.6	219.5	56,600*	78.3	217.9	56,600*	75
	80	74.0	218.6	56,600*	75.2	218.1	56,600*	76.9	216.5	56,600*	80
	85	72.6	217.0	56,600*	73.9	216.5	56,600*	75.5	214.9	56,600*	85
	90	71.3	215.3	56,600*	72.5	214.8	56,600*	74.1	213.2	56,600*	90
	95	69.9	213.5	56,600*	71.1	213.0	56,600*	72.7	211.3	56,100*	95
	100	68.5	211.5	56,600*	69.7	211.0	56,600*	71.3	209.4	54,300*	100
	110	65.6	207.2	56,600*	66.8	206.6	56,600*	68.5	204.9	51,100*	110
	120	62.7	202.2	56,600*	63.9	201.7	56,600*	65.5	199.9	48,400*	120
	130	59.7	196.6	56,600*	60.9	196.0	56,600*	62.5	194.2	45,900*	130
	140	56.6	190.2	56,600*	57.8	189.6	56,600*	59.4	187.8	43,700*	140
	150	53.4	183.1	56,600*	54.6	182.5	56,100*	56.1	180.5	41,800*	150
	160	50.1	175.0	56,600*	51.3	174.4	53,000*	52.7	172.4	40,100*	160
	170	46.6	165.9	56,600*	47.7	165.3	50,400*				170
	180	42.8	155.6	53,800*	44.0	154.9	48,000*				180
	190	38.8	143.8	50,900*							190
	200	34.4	130.0	48,300*							200

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BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
200	60	80.3	243.9	56,600*							60
	65	79.1	242.9	56,600*	80.2	242.4	56,600*				65
	70	77.8	241.8	56,600*	79.0	241.3	56,600*	80.5	239.7	56,600*	70
	75	76.6	240.6	56,600*	77.7	240.1	56,600*	79.3	238.5	56,600*	75
	80	75.4	239.3	56,600*	76.5	238.8	56,600*	78.0	237.2	56,600*	80
	85	74.1	237.9	56,600*	75.3	237.4	56,600*	76.8	235.8	56,600*	85
	90	72.9	236.4	56,600*	74.0	235.9	56,600*	75.5	234.2	56,600*	90
	95	71.6	234.7	56,600*	72.7	234.2	56,600*	74.3	232.6	56,600*	95
	100	70.4	233.0	56,600*	71.5	232.5	56,600*	73.0	230.8	56,400*	100
	110	67.8	229.0	56,600*	68.9	228.5	56,600*	70.4	226.8	53,200*	110
	120	65.2	224.6	56,600*	66.3	224.0	56,600*	67.7	222.3	50,400*	120
	130	62.5	219.5	56,600*	63.6	219.0	56,600*	65.0	217.2	48,000*	130
	140	59.8	213.9	56,600*	60.9	213.3	56,600*	62.3	211.5	45,700*	140
	150	56.9	207.6	56,600*	58.0	207.0	56,600*	59.4	205.1	43,800*	150
	160	54.0	200.6	56,600*	55.1	200.0	56,500*	56.5	198.0	42,000*	160
220	170	51.0	192.7	56,600*	52.1	192.1	53,700*	53.4	190.1	40,400*	170
	180	47.8	184.0	56,600*	48.9	183.3	51,200*				180
	190	44.5	174.2	55,200*	45.5	173.5	48,900*				190
	200	40.9	163.2	52,400*	41.9	162.4	46,900*				200
	210	37.1	150.6	49,800*							210
	65	79.9	263.3	56,600*	81.0	262.8	56,600*				65
	70	78.8	262.3	56,600*	79.8	261.8	56,600*				70
	75	77.7	261.2	56,600*	78.7	260.7	56,600*				75
	80	76.5	260.0	56,600*	77.6	259.5	56,600*	80.1	259.1	56,600*	80
	85	75.4	258.7	56,600*	76.4	258.2	56,600*	79.0	257.9	56,600*	85
	90	74.2	257.3	56,600*	75.3	256.8	56,600*	77.8	256.6	56,600*	90
	95	73.1	255.8	56,600*	74.1	255.3	56,600*	76.7	255.1	56,600*	95
	100	71.9	254.2	56,600*	73.0	253.6	56,600*	75.5	253.6	56,600*	100
	110	69.6	250.6	56,600*	70.6	250.0	56,600*	74.4	252.0	56,600*	110
	120	67.2	246.5	56,600*	68.2	246.0	56,600*	72.0	248.3	55,100*	120
	130	64.8	241.9	56,600*	65.8	241.4	56,600*	69.6	244.2	52,300*	130
230	140	62.3	236.9	56,600*	63.3	236.3	56,600*	67.2	239.6	49,900*	140
	150	59.8	231.2	56,600*	60.8	230.6	56,600*	64.7	234.5	47,600*	150
	160	57.2	225.0	56,600*	58.2	224.4	56,600*	62.1	228.8	45,600*	160
	170	54.5	218.0	56,600*	55.5	217.4	56,600*	59.5	222.5	43,800*	170
	180	51.7	210.4	56,600*	52.7	209.8	54,300*	56.8	215.5	42,200*	180
	190	48.8	201.9	56,600*	49.8	201.3	51,900*	53.9	207.7	40,700*	190
	200	45.8	192.5	56,400*	46.8	191.9	49,700*	51.0	199.1	39,400*	200
	210	42.6	182.1	53,700*	43.6	181.4	47,800*				210
	220	39.2	170.3	51,200*							220
	230	35.5	157.0	49,000*							230

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BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
2 4 0	65	80.6	283.6	56,600*							65
	70	79.6	282.7	56,600*	80.6	282.2	56,600*				70
	75	78.5	281.7	56,600*	79.5	281.2	56,600*	80.9	279.5	56,600*	75
	80	77.5	280.6	56,600*	78.5	280.1	56,600*	79.8	278.4	56,600*	80
	85	76.4	279.4	56,600*	77.4	278.9	56,600*	78.7	277.2	56,600*	85
	90	75.4	278.1	56,600*	76.4	277.6	56,600*	77.7	275.9	56,600*	90
	95	74.3	276.7	56,600*	75.3	276.2	56,600*	76.6	274.5	56,600*	95
	100	73.3	275.2	56,600*	74.2	274.7	56,600*	75.5	273.0	56,600*	100
	110	71.1	271.9	56,600*	72.1	271.3	56,600*	73.4	269.6	56,600*	110
	120	68.9	268.1	56,600*	69.9	267.6	56,600*	71.2	265.9	54,100*	120
	130	66.7	264.0	56,600*	67.7	263.4	56,600*	68.9	261.7	51,600*	130
	140	64.4	259.3	56,600*	65.4	258.8	56,600*	66.6	257.0	49,400*	140
	150	62.1	254.2	56,600*	63.1	253.6	56,600*	64.3	251.8	47,300*	150
	160	59.8	248.5	56,600*	60.7	248.0	56,600*	61.9	246.1	45,500*	160
	170	57.4	242.3	56,600*	58.3	241.7	56,600*	59.5	239.8	43,800*	170
	180	54.9	235.5	56,600*	55.8	234.9	56,600*	57.0	232.9	42,300*	180
	190	52.3	228.0	56,600*	53.3	227.4	54,800*	54.4	225.3	40,900*	190
	200	49.7	219.8	56,600*	50.6	219.1	52,500*	51.7	217.0	39,700*	200
	210	46.9	210.7	56,600*	47.8	210.0	50,400*				210
	220	44.0	200.7	54,800*	44.9	200.0	48,600*				220
	230	41.0	189.6	52,400*	41.9	188.9	46,800*				230
2 6 0	240	37.7	177.2	50,200*							240
	250	34.2	163.2	48,200*							250
	70	80.3	303.0	56,600*							70
	75	79.3	302.1	56,600*	80.2	301.6	56,600*				75
	80	78.3	301.1	56,600*	79.3	300.5	56,600*	80.5	298.9	56,600*	80
	85	77.4	299.9	56,600*	78.3	299.4	56,600*	79.5	297.8	56,600*	85
	90	76.4	298.7	56,600*	77.3	298.2	56,600*	78.5	296.5	56,600*	90
	95	75.4	297.4	56,600*	76.3	296.9	56,600*	77.5	295.2	56,600*	95
	100	74.4	296.0	56,600*	75.3	295.5	56,600*	76.5	293.8	56,600*	100
	110	72.4	293.0	56,600*	73.3	292.5	56,600*	74.5	290.8	56,600*	110
	120	70.4	289.5	56,600*	71.3	289.0	56,600*	72.5	287.3	55,800*	120
	130	68.3	285.7	56,600*	69.2	285.1	56,600*	70.4	283.4	53,300*	130
	140	66.3	281.4	56,600*	67.2	280.9	56,600*	68.3	279.1	51,000*	140
	150	64.2	276.7	56,600*	65.0	276.1	56,600*	66.2	274.3	49,000*	150
	160	62.0	271.5	56,600*	62.9	271.0	56,600*	64.0	269.1	47,100*	160
	170	59.8	265.9	56,600*	60.7	265.3	56,600*	61.8	263.4	45,400*	170
	180	57.6	259.7	56,600*	58.4	259.1	56,600*	59.5	257.1	43,900*	180
	190	55.3	252.9	56,600*	56.1	252.3	56,600*	57.2	250.3	42,400*	190
	200	52.9	245.5	56,600*	53.7	244.9	55,200*	54.8	242.9	41,100*	200
	210	50.4	237.5	56,600*	51.3	236.9	53,100*	52.3	234.7	40,000*	210
	220	47.9	228.7	56,600*	48.7	228.1	51,100*				220
	230	45.2	219.1	55,900*	46.1	218.4	49,300*				230
	240	42.5	208.5	53,500*	43.3	207.8	47,600*				240
	250	39.5	196.9	51,400*	40.3	196.1	46,100*				250
	260	36.4	183.8	49,400*							260

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36' RINGER ATTACHMENT ON
BLOCKING OR SCREW JACKS
122,400 LB. CRANE COUNTERWEIGHT
275,000 LB. AUXILIARY COUNTERWEIGHT
85% TIPPING - 360 DEGREE RATING

40 FOOT JIB

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		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
280	70	80.9	323.3	56,600*							70
	75	80.0	322.4	56,600*	80.9	321.9	56,600*				75
	80	79.1	321.5	56,600*	79.9	321.0	56,600*				80
	85	78.2	320.4	56,600*	79.0	319.9	56,600*	80.2	318.2	56,600*	85
	90	77.3	319.3	56,600*	78.1	318.8	56,600*	79.3	317.1	56,600*	90
	95	76.3	318.1	56,600*	77.2	317.6	56,600*	78.3	315.9	56,600*	95
	100	75.4	316.8	56,600*	76.3	316.3	56,600*	77.4	314.6	56,600*	100
	110	73.5	313.9	56,600*	74.4	313.4	56,600*	75.5	311.7	56,600*	110
	120	71.7	310.7	56,600*	72.5	310.2	56,600*	73.6	308.5	56,600*	120
	130	69.8	307.2	56,600*	70.6	306.6	56,600*	71.7	304.9	54,800*	130
	140	67.8	303.2	56,600*	68.7	302.6	56,600*	69.8	300.9	52,500*	140
	150	65.9	298.8	56,600*	66.7	298.3	56,600*	67.8	296.5	50,500*	150
	160	63.9	294.1	56,600*	64.7	293.5	56,600*	65.8	291.7	48,600*	160
	170	61.9	288.8	56,600*	62.7	288.3	56,600*	63.8	286.4	46,900*	170
	180	59.8	283.2	56,600*	60.6	282.6	56,600*	61.7	280.7	45,300*	180
	190	57.7	277.0	56,600*	58.5	276.4	56,600*	59.6	274.5	43,900*	190
	200	55.6	270.3	56,600*	56.4	269.7	56,600*	57.4	267.7	42,500*	200
	210	53.3	263.1	56,600*	54.1	262.4	56,600*	55.2	260.4	41,300*	210
	220	51.1	255.2	56,600*	51.9	254.5	53,500*	52.9	252.4	40,200*	220
	230	48.7	246.7	56,600*	49.5	246.0	51,700*	50.5	243.8	39,100*	230
	240	46.3	237.4	56,600*	47.0	236.6	49,900*				240
	250	43.7	227.2	53,600	44.5	226.5	48,300*				250
300	260	41.0	216.1	50,300	41.8	215.3	46,800*				260
	270	38.2	203.8	47,200							270
	280	35.2	190.2	44,400							280
	75	80.6	342.8	56,600*							75
	80	79.7	341.9	56,600*	80.5	341.3	56,600*				80
	85	78.9	340.9	56,600*	79.7	340.4	56,600*	80.8	338.7	56,600*	85
	90	78.0	339.8	56,600*	78.8	339.3	56,600*	79.9	337.6	56,600*	90
	95	77.2	338.7	56,600*	78.0	338.2	56,600*	79.0	336.5	56,600*	95
	100	76.3	337.5	56,600*	77.1	336.9	56,600*	78.2	335.2	56,600*	100
	110	74.5	334.8	56,600*	75.3	334.3	56,600*	76.4	332.5	56,600*	110
	120	72.8	331.8	56,600*	73.6	331.2	56,600*	74.6	329.5	56,600*	120
	130	71.0	328.4	56,600*	71.8	327.9	56,600*	72.9	326.1	56,200*	130
	140	69.2	324.7	56,600*	70.0	324.2	56,600*	71.0	322.4	54,000*	140
	150	67.4	320.7	56,600*	68.2	320.1	56,600*	69.2	318.3	51,900*	150
	160	65.5	316.2	56,600*	66.3	315.7	56,600*	67.4	313.9	50,000*	160
	170	63.7	311.4	56,600*	64.4	310.8	56,600*	65.5	309.0	48,300*	170
	180	61.8	306.2	56,600*	62.5	305.6	56,600*	63.5	303.7	46,700*	180
	190	59.8	300.5	56,600*	60.6	299.9	56,600*	61.6	298.0	45,300*	190
	200	57.9	294.4	56,600*	58.6	293.8	56,600*	59.6	291.8	43,900*	200
	210	55.8	287.7	56,600*	56.6	287.1	56,600*	57.6	285.1	42,600*	210
	220	53.8	280.6	56,600*	54.5	279.9	56,000*	55.5	277.9	41,500*	220
	230	51.6	272.8	56,600*	52.4	272.2	54,000*	53.3	270.1	40,400*	230
	240	49.4	264.5	55,800	50.2	263.8	52,200*	51.1	261.6	39,400*	240
	250	47.2	255.5	52,100	47.9	254.8	50,500*				250
	260	44.8	245.7	48,800	45.5	244.9	48,900*				260
	270	42.3	235.0	45,800	43.1	234.2	46,100				270
	280	39.7	223.4	43,000	40.5	222.6	43,300				280
	290	37.0	210.6	40,400							290
	300	34.1	196.4	37,900							300

MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220

LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

4100W SERIES 1
RINGER SERIES 3

JIB NO. 122A WITH 18'9" STRUT ON
BOOM NO. 27 WITH OPEN THROAT TOP
36' RINGER ATTACHMENT ON
BLOCKING OR SCREW JACKS
122,400 LB. CRANE COUNTERWEIGHT
275,000 LB. AUXILIARY COUNTERWEIGHT
85% TIPPING - 360 DEGREE RATING

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
3 2 0	80	80.3	362.2	56,600*	80.3	360.7	56,600*				80
	85	79.5	361.3	56,600*							85
	90	78.7	360.3	56,600*	79.4	359.7	56,600*	80.5	358.0	56,600*	90
	95	77.9	359.2	56,600*	78.6	358.7	56,600*	79.7	357.0	56,600*	95
	100	77.1	358.1	56,600*	77.8	357.5	56,600*	78.8	355.8	56,600*	100
	110	75.4	355.5	56,600*	76.2	355.0	56,600*	77.2	353.3	56,600*	110
	120	73.8	352.7	56,600*	74.5	352.2	56,600*	75.5	350.4	56,600*	120
	130	72.1	349.6	56,600*	72.8	349.0	56,600*	73.8	347.3	56,600*	130
	140	70.4	346.1	56,600*	71.2	345.6	56,600*	72.2	343.8	55,300*	140
	150	68.7	342.3	56,600*	69.5	341.8	56,600*	70.4	340.0	53,300*	150
	160	67.0	338.2	56,600*	67.7	337.6	56,600*	68.7	335.8	51,400*	160
	170	65.2	333.7	56,600*	66.0	333.1	56,600*	66.9	331.2	49,700*	170
	180	63.5	328.8	56,600*	64.2	328.2	56,600*	65.2	326.3	48,000*	180
	190	61.7	323.5	56,600*	62.4	322.9	56,600*	63.3	321.0	46,600*	190
	200	59.8	317.8	56,600*	60.6	317.2	56,600*	61.5	315.3	45,200*	200
	210	58.0	311.7	56,600*	58.7	311.1	56,600*	59.6	309.1	43,900*	210
	220	56.1	305.1	56,600*	56.8	304.5	56,600*	57.7	302.5	42,700*	220
	230	54.1	298.0	56,600*	54.8	297.4	56,300*	55.7	295.3	41,600*	230
	240	52.1	290.4	54,300	52.8	289.8	54,400*	53.7	287.7	40,600*	240
	250	50.1	282.3	50,700	50.8	281.6	51,100	51.6	279.4	39,600*	250
3 4 0	260	47.9	273.5	47,400	48.6	272.8	47,800				260
	270	45.7	264.0	44,300	46.4	263.2	44,700				270
	280	43.5	253.7	41,500	44.1	252.9	41,900				280
	290	41.1	242.5	38,900	41.8	241.8	39,200				290
	300	38.6	230.4	36,500							300
	310	35.9	217.1	34,200							310
	80	80.8	382.5	56,600*	80.8	381.1	56,600*				80
	85	80.1	381.6	56,600*							85
	90	79.3	380.7	56,600*	80.0	380.1	56,600*	81.0	378.4	56,600*	90
	95	78.5	379.7	56,600*	79.2	379.1	56,600*	80.2	377.4	56,600*	95
	100	77.8	378.6	56,600*	78.5	378.0	56,600*	79.4	376.3	56,600*	100
	110	76.2	376.2	56,600*	76.9	375.7	56,600*	77.9	373.9	56,600*	110
	120	74.6	373.5	56,600*	75.4	373.0	56,600*	76.3	371.3	56,600*	120
	130	73.1	370.6	56,600*	73.8	370.0	56,600*	74.7	368.3	56,600*	130
	140	71.5	367.3	56,600*	72.2	366.8	56,600*	73.1	365.0	56,600*	140
	150	69.9	363.7	56,600*	70.6	363.2	56,600*	71.5	361.4	54,600*	150
	160	68.3	359.8	56,600*	69.0	359.3	56,600*	69.9	357.5	52,700*	160
	170	66.6	355.6	56,600*	67.3	355.1	56,600*	68.2	353.2	50,900*	170
	180	65.0	351.0	56,600*	65.7	350.5	56,600*	66.6	348.6	49,300*	180
	190	63.3	346.1	56,600*	64.0	345.5	56,600*	64.9	343.7	47,800*	190
	200	61.6	340.8	56,600*	62.3	340.2	56,600*	63.2	338.3	46,400*	200
	210	59.8	335.1	56,600*	60.5	334.5	56,600*	61.4	332.6	45,100*	210
	220	58.1	329.0	56,600*	58.8	328.4	56,600*	59.6	326.4	43,900*	220
	230	56.3	322.5	56,600*	57.0	321.9	56,600*	57.8	319.9	42,800*	230
	240	54.4	315.5	52,900	55.1	314.9	53,300	56.0	312.8	41,700*	240
	250	52.6	308.0	49,300	53.2	307.4	49,700	54.1	305.2	40,800*	250
	260	50.6	300.0	45,900	51.3	299.3	46,400	52.1	297.1	39,900*	260
	270	48.6	291.4	42,900	49.3	290.7	43,300				270
	280	46.6	282.1	40,100	47.2	281.4	40,400				280
	290	44.4	272.2	37,500	45.1	271.4	37,800				290
	300	42.2	261.5	35,100	42.9	260.7	35,400				300
	310	39.9	249.9	32,800	40.6	249.0	33,100				310
	320	37.5	237.2	30,700							320
	330	34.9	223.4	28,700							330

MANITOWOC ENGINEERING CO.

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LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

4100W SERIES 1
RINGER SERIES 3

JIB NO. 122A WITH 18'9" STRUT ON
BOOM NO. 27 WITH OPEN THROAT TOP
36' RINGER ATTACHMENT ON
BLOCKING OR SCREW JACKS
122,400 LB. CRANE COUNTERWEIGHT
275,000 LB. AUXILIARY COUNTERWEIGHT
85% TIPPING - 360 DEGREE RATING

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
140	55	80.1	193.8	56,600*							55
	60	78.5	192.7	56,600*	80.3	191.9	56,600*				60
	65	77.0	191.4	56,600*	80.7	190.7	56,600*				65
	70	75.4	190.1	56,600*	77.2	189.3	56,600*	79.6	187.2	52,000*	70
	75	73.8	188.6	56,600*	75.6	187.8	56,600*	78.0	185.7	49,800*	75
	80	72.2	186.9	56,600*	74.0	186.1	56,600*	76.3	184.0	47,800*	80
	85	70.6	185.0	56,600*	72.4	184.3	56,600*	74.7	182.1	46,000*	85
	90	69.0	183.0	56,600*	70.7	182.2	56,600*	73.1	180.1	44,300*	90
	95	67.3	180.9	56,600*	69.1	180.1	56,600*	71.4	177.9	42,800*	95
	100	65.7	178.5	56,600*	67.4	177.7	54,800*	69.7	175.5	41,300*	100
	110	62.3	173.3	56,600*	64.0	172.5	50,500*	66.2	170.2	38,800*	110
	120	58.7	167.3	54,600*	60.4	166.4	46,900*	62.6	164.0	36,600*	120
	130	55.1	160.4	50,300*	56.7	159.5	43,800*	58.9	157.0	34,700*	130
	140	51.2	152.5	46,500*	52.9	151.5	41,100*	54.9	148.9	33,000*	140
	150	47.1	143.3	43,500*	48.8	142.3	38,700*				150
	160	42.7	132.8	40,700*	44.3	131.6	36,700*				160
	170	37.9	120.3	38,300*							170
160	60	79.6	213.1	56,600*							60
	65	78.2	212.0	56,600*	79.8	211.3	56,600*				65
	70	76.8	210.8	56,600*	78.4	210.0	56,600*	80.6	207.9	53,500*	70
	75	75.4	209.4	56,600*	77.0	208.6	56,600*	79.2	206.5	51,400*	75
	80	74.0	207.9	56,600*	75.6	207.1	56,600*	77.7	205.0	49,500*	80
	85	72.5	206.3	56,600*	74.1	205.5	56,600*	76.3	203.3	47,700*	85
	90	71.1	204.5	56,600*	72.7	203.7	56,600*	74.8	201.5	46,100*	90
	95	69.6	202.6	56,600*	71.2	201.8	56,600*	73.3	199.6	44,600*	95
	100	68.1	200.5	56,600*	69.7	199.7	56,600*	71.8	197.4	43,100*	100
	110	65.1	195.9	56,600*	66.7	195.1	53,900*	68.7	192.8	40,600*	110
	120	62.1	190.6	56,600*	63.6	189.8	50,100*	65.6	187.4	38,400*	120
	130	58.9	184.6	54,800*	60.4	183.7	46,900*	62.4	181.3	36,400*	130
	140	55.6	177.9	50,800*	57.1	176.9	44,000*	59.0	174.4	34,700*	140
	150	52.1	170.2	47,400*	53.6	169.2	41,500*	55.5	166.5	33,200*	150
	160	48.5	161.4	44,400*	50.0	160.4	39,400*				160
	170	44.6	151.5	41,800*	46.1	150.4	37,400*				170
	180	40.5	140.1	39,500*							180
	190	35.9	126.7	37,500*							190
180	60	80.5	233.5	56,600*							60
	65	79.3	232.5	56,600*	80.7	231.7	56,600*				65
	70	78.0	231.4	56,600*	79.5	230.6	56,600*				70
	75	76.7	230.2	56,600*	78.2	229.4	56,600*	80.2	227.2	52,800*	75
	80	75.4	228.8	56,600*	76.9	228.0	56,600*	78.8	225.8	51,000*	80
	85	74.1	227.3	56,600*	75.6	226.5	56,600*	77.5	224.3	49,200*	85
	90	72.8	225.7	56,600*	74.2	224.9	56,600*	76.2	222.7	47,600*	90
	95	71.5	224.0	56,600*	72.9	223.1	56,600*	74.9	220.9	46,100*	95
	100	70.2	222.1	56,600*	71.6	221.3	56,600*	73.5	219.0	44,800*	100
	110	67.5	218.0	56,600*	68.9	217.1	56,600*	70.8	214.8	42,200*	110
	120	64.7	213.3	56,600*	66.1	212.4	53,100*	68.0	210.0	40,000*	120
	130	61.9	208.0	56,600*	63.3	207.1	49,800*	65.1	204.6	38,100*	130
	140	59.0	202.0	54,900*	60.4	201.1	46,800*	62.1	198.5	36,300*	140
	150	56.0	195.3	51,300*	57.3	194.3	44,200*	59.1	191.7	34,800*	150
	160	52.9	187.8	48,100*	54.2	186.8	41,900*	55.9	184.1	33,400*	160
	170	49.6	179.4	45,300*	50.9	178.3	39,900*				170
	180	46.2	169.9	42,800*	47.5	168.8	38,100*				180
	190	42.5	159.2	40,600*	43.8	158.0	36,500*				190
	200	38.6	147.0	38,600*							200

MANITOWOC ENGINEERING CO.

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RINGER SERIES 3

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50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
200	65	80.1	252.9	56,600*							65
	70	79.0	251.9	56,600*	80.3	251.1	56,600*				70
	75	77.8	250.8	56,600*	79.1	249.9	56,600*	81.0	247.7	54,100*	75
	80	76.6	249.5	56,600*	78.0	248.7	56,600*	79.8	246.5	52,300*	80
	85	75.4	248.2	56,600*	76.8	247.3	56,600*	78.6	245.1	50,600*	85
	90	74.2	246.7	56,600*	75.6	245.9	56,600*	77.4	243.6	49,000*	90
	95	73.0	245.1	56,600*	74.4	244.3	56,600*	76.1	242.0	47,600*	95
	100	71.8	243.4	56,600*	73.1	242.6	56,600*	74.9	240.3	46,200*	100
	110	69.4	239.7	56,600*	70.7	238.8	56,600*	72.4	236.5	43,700*	110
	120	66.9	235.4	56,600*	68.2	234.5	55,900*	69.9	232.2	41,500*	120
	130	64.3	230.6	56,600*	65.6	229.7	52,500*	67.3	227.3	39,500*	130
	140	61.7	225.3	56,600*	63.0	224.4	49,500*	64.7	221.9	37,800*	140
	150	59.1	219.3	55,000*	60.3	218.4	46,800*	62.0	215.8	36,200*	150
	160	56.3	212.7	51,600*	57.6	211.7	44,400*	59.2	209.1	34,800*	160
	170	53.5	205.3	48,700*	54.7	204.3	42,300*	56.3	201.6	33,500*	170
220	180	50.5	197.2	46,000*	51.7	196.1	40,400*	53.2	193.3	32,400*	180
	190	47.4	188.1	43,600*	48.6	187.0	38,700*				190
	200	44.1	178.0	41,500*	45.3	176.8	37,100*				200
	210	40.6	166.5	39,600*							210
	220	36.9	153.6	37,900*							220
	65	80.9	273.3	56,600*							65
	70	79.8	272.3	56,600*							70
	75	78.7	271.3	56,600*	80.0	270.4	56,600*				75
	80	77.6	270.1	56,600*	78.9	269.3	56,600*	80.6	267.0	53,500*	80
	85	76.5	268.9	56,600*	77.8	268.0	56,600*	79.5	265.8	51,800*	85
	90	75.4	267.5	56,600*	76.7	266.7	56,600*	78.3	264.4	50,300*	90
	95	74.3	266.1	56,600*	75.6	265.2	56,600*	77.2	262.9	48,900*	95
	100	73.2	264.5	56,600*	74.4	263.7	56,600*	76.1	261.4	47,500*	100
	110	71.0	261.1	56,600*	72.2	260.2	56,600*	73.8	257.9	45,100*	110
	120	68.7	257.2	56,600*	69.9	256.3	56,600*	71.5	253.9	42,900*	120
	130	66.4	252.8	56,600*	67.6	251.9	55,100*	69.2	249.5	40,900*	130
	140	64.0	248.0	56,600*	65.2	247.1	52,000*	66.8	244.6	39,200*	140
	150	61.6	242.6	56,600*	62.8	241.7	49,200*	64.3	239.1	37,600*	150
	160	59.1	236.6	55,100*	60.3	235.7	46,800*	61.8	233.1	36,100*	160
	170	56.6	230.1	51,900*	57.8	229.1	44,600*	59.2	226.4	34,800*	170
	180	54.0	222.9	49,100*	55.1	221.9	42,600*	56.6	219.1	33,700*	180
	190	51.3	214.9	46,600*	52.4	213.9	40,800*	53.8	211.0	32,600*	190
	200	48.4	206.2	44,400*	49.6	205.0	39,200*				200
	210	45.5	196.4	42,300*	46.6	195.3	37,700*				210
	220	42.3	185.7	40,500*	43.4	184.4	36,300*				220
	230	39.0	173.6	38,800*							230

MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220

LIFTCRANE JIB CAPACITIES

JIB NO. 122A WITH 18'9" STRUT ON
BOOM NO. 27 WITH OPEN THROAT TOP
36' RINGER ATTACHMENT ON
BLOCKING OR SCREW JACKS
122,400 LB. CRANE COUNTERWEIGHT
275,000 LB. AUXILIARY COUNTERWEIGHT
85% TIPPING - 360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

4100W

4100W SERIES 1
RINGER SERIES 3

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
240	70	80.5	292.7	56,600*	80.7	290.9	56,600*				70
	75	79.5	291.7	56,600*	79.7	289.8	56,600*				75
	80	78.5	290.7	56,600*	78.6	288.6	56,600*	80.2	286.4	52,900*	80
	85	77.5	289.5	56,600*	77.6	287.4	56,600*	79.2	285.1	51,400*	85
	90	76.5	288.2	56,600*	76.6	286.0	56,600*	78.1	283.7	50,000*	90
	95	75.4	286.9	56,600*	75.5	284.6	56,600*	77.1	282.3	48,700*	95
	100	74.4	285.5	56,600*	73.5	281.4	56,600*	75.0	279.0	46,300*	100
	110	72.3	282.3	56,600*	71.4	277.8	56,600*	72.9	275.4	44,100*	110
	120	70.2	278.7	56,600*	69.2	273.8	56,600*	70.7	271.4	42,200*	120
	130	68.1	274.7	56,600*	67.1	269.3	54,400*	68.5	266.8	40,400*	130
	140	65.9	270.2	56,600*	64.8	264.4	51,500*	66.3	261.9	38,800*	140
	150	63.7	265.3	56,600*	62.6	259.0	49,000*	64.0	256.4	37,400*	150
	160	61.5	259.9	56,600*	60.3	253.0	46,700*	61.7	250.4	36,100*	160
	170	59.2	254.0	55,200*	57.9	246.5	44,700*	59.3	243.8	34,900*	170
	180	56.8	247.5	52,200*	55.5	239.3	42,800*	56.8	236.5	33,800*	180
	190	54.4	240.4	49,600*	53.0	231.5	41,100*	54.3	228.6	32,800*	190
	200	51.9	232.6	47,200*	50.4	223.0	39,600*				200
	210	49.3	224.1	45,000*	47.6	213.6	38,200*				210
	220	46.6	214.7	43,100*	44.8	203.2	36,900*				220
	230	43.8	204.4	41,300*							230
	240	40.8	193.0	39,700*							240
	250	37.6	180.3	38,200*							250
260	75	80.2	312.1	56,600*	80.3	310.3	56,600*				75
	80	79.2	311.1	56,600*	79.4	309.2	56,600*	80.9	306.9	53,900*	80
	85	78.3	310.0	56,600*	78.4	308.0	56,600*	79.9	305.7	52,500*	85
	90	77.4	308.9	56,600*	77.5	306.7	56,600*	78.9	304.4	51,100*	90
	95	76.4	307.6	56,600*	76.5	305.4	56,600*	78.0	303.0	49,800*	95
	100	75.4	306.3	56,600*	74.6	302.4	56,600*	76.0	300.1	47,400*	100
	110	73.5	303.3	56,600*	72.6	299.1	56,600*	74.0	296.7	45,300*	110
	120	71.6	300.0	56,600*	70.6	295.4	56,600*	72.0	292.9	43,400*	120
	130	69.6	296.3	56,600*	68.6	291.2	56,600*	70.0	288.8	41,600*	130
	140	67.6	292.2	56,600*	66.6	286.7	53,800*	68.0	284.2	40,000*	140
	150	65.6	287.6	56,600*	64.5	281.7	51,200*	65.9	279.2	38,600*	150
	160	63.5	282.7	56,600*	62.4	276.3	48,800*	63.7	273.7	37,200*	160
	170	61.4	277.2	56,600*	60.3	270.3	46,700*	61.6	267.6	36,000*	170
	180	59.2	271.3	55,200*	58.1	263.8	44,800*	59.3	261.1	34,900*	180
	190	57.0	264.9	52,500*	55.8	256.8	43,100*	57.0	254.0	33,900*	190
	200	54.8	257.8	50,000*	53.4	249.1	41,400*	54.7	246.2	32,900*	200
	210	52.5	250.2	47,700*	51.0	240.8	40,000*				210
	220	50.0	241.9	45,600*	48.5	231.7	38,600*				220
	230	47.6	232.9	43,800*	45.9	221.8	37,400*				230
	240	45.0	223.0	42,000*	43.2	210.8	36,200*				240
	250	42.2	212.1	40,400*							250
	260	39.3	200.1	39,000*							260
	270	36.2	186.8	37,600*							270

MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220

LIFTCRANE JIB CAPACITIES

JIB NO. 122A WITH 18'9" STRUT ON
BOOM NO. 27 WITH OPEN THROAT TOP
36" RINGER ATTACHMENT ON
BLOCKING OR SCREW JACKS
122,400 LB. CRANE COUNTERWEIGHT
275,000 LB. AUXILIARY COUNTERWEIGHT
85% TIPPING - 360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

4100W
4100W SERIES 1
RINGER SERIES 3

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
280	75	80.8	332.4	56,600*							75
	80	79.9	331.5	56,600*	80.9	330.6	56,600*				80
	85	79.0	330.5	56,600*	80.0	329.6	56,600*				85
	90	78.1	329.4	56,600*	79.2	328.5	56,600*	80.5	326.2	53,400*	90
	95	77.2	328.2	56,600*	78.3	327.4	56,600*	79.6	325.0	52,100*	95
	100	76.3	327.0	56,600*	77.4	326.1	56,600*	78.7	323.7	50,800*	100
	110	74.5	324.2	56,600*	75.6	323.3	56,600*	76.9	320.9	48,500*	110
	120	72.7	321.1	56,600*	73.7	320.2	56,600*	75.1	317.8	46,400*	120
	130	70.9	317.6	56,600*	71.9	316.7	56,600*	73.2	314.3	44,500*	130
	140	69.0	313.8	56,600*	70.0	312.9	56,600*	71.3	310.4	42,700*	140
	150	67.1	309.6	56,600*	68.1	308.7	55,900*	69.4	306.2	41,100*	150
	160	65.2	305.0	56,600*	66.2	304.1	53,200*	67.5	301.5	39,700*	160
	170	63.3	300.0	56,600*	64.3	299.0	50,900*	65.5	296.4	38,300*	170
	180	61.3	294.5	56,600*	62.3	293.6	48,700*	63.5	290.9	37,100*	180
	190	59.3	288.6	55,300*	60.2	287.6	46,700*	61.5	284.9	36,000*	190
	200	57.2	282.2	52,700*	58.2	281.2	44,900*	59.4	278.4	34,900*	200
	210	55.1	275.3	50,300*	56.1	274.2	43,200*	57.2	271.4	33,900*	210
	220	52.9	267.8	48,200*	53.9	266.7	41,700*	55.0	263.8	33,000*	220
	230	50.7	259.7	46,200*	51.6	258.6	40,300*				230
	240	48.4	250.9	44,400*	49.3	249.7	39,000*				240
	250	46.0	241.3	42,700*	46.9	240.1	37,800*				250
	260	43.5	230.9	41,100*	44.4	229.6	36,700*				260
	270	40.8	219.5	39,700*							270
	280	38.0	206.9	38,400*							280
300	80	80.5	351.9	56,600*							80
	85	79.7	350.9	56,600*	80.6	350.0	56,600*				85
	90	78.8	349.9	56,600*	79.8	349.0	56,600*				90
	95	78.0	348.8	56,600*	78.9	347.9	56,600*	80.2	345.5	53,000*	95
	100	77.1	347.6	56,600*	78.1	346.7	56,600*	79.4	344.3	51,700*	100
	110	75.5	345.0	56,600*	76.4	344.1	56,600*	77.7	341.7	49,400*	110
	120	73.7	342.1	56,600*	74.7	341.2	56,600*	76.0	338.8	47,400*	120
	130	72.0	338.8	56,600*	73.0	337.9	56,600*	74.2	335.5	45,500*	130
	140	70.3	335.3	56,600*	71.2	334.4	56,600*	72.5	331.9	43,700*	140
	150	68.5	331.3	56,600*	69.5	330.4	56,600*	70.7	327.9	42,200*	150
	160	66.7	327.1	56,600*	67.7	326.1	55,200*	68.9	323.6	40,700*	160
	170	64.9	322.4	56,600*	65.9	321.4	52,800*	67.1	318.9	39,400*	170
	180	63.1	317.3	56,600*	64.0	316.4	50,600*	65.2	313.7	38,100*	180
	190	61.2	311.9	56,600*	62.1	310.9	48,600*	63.3	308.2	37,000*	190
	200	59.3	306.0	55,400*	60.2	304.9	46,700*	61.4	302.2	35,900*	200
	210	57.4	299.6	52,900*	58.3	298.6	45,000*	59.4	295.8	34,900*	210
	220	55.4	292.7	50,600*	56.3	291.7	43,400*	57.4	288.8	34,000*	220
	230	53.4	285.3	48,600*	54.2	284.3	42,000*	55.3	281.3	33,200*	230
	240	51.3	277.4	46,700*	52.1	276.3	40,600*	53.2	273.3	32,400*	240
	250	49.1	268.8	44,900*	50.0	267.6	39,400*				250
	260	46.9	259.5	43,300*	47.7	258.3	38,200*				260
	270	44.6	249.5	41,800*	45.4	248.2	37,100*				270
	280	42.1	238.6	40,400*	43.0	237.3	36,100*				280
	290	39.6	226.6	39,100*							290
	300	36.9	213.6	37,900*							300

MANITOWOC ENGINEERING CO.

Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220

LIFTCRANE JIB CAPACITIES

JIB NO. 122A WITH 18'9" STRUT ON
BOOM NO. 27 WITH OPEN THROAT TOP
36' RINGER ATTACHMENT ON
BLOCKING OR SCREW JACKS
122,400 LB. CRANE COUNTERWEIGHT
275,000 LB. AUXILIARY COUNTERWEIGHT
85% TIPPING - 360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

4100W
4100W SERIES 1
RINGER SERIES 3

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
3 2 0	85	80.2	371.3	56,600*							85
	90	79.4	370.3	56,600*	80.3	369.4	56,600*				90
	95	78.6	369.3	56,600*	79.6	368.4	56,600*	80.8	366.0	53,800*	95
	100	77.9	368.1	56,600*	78.8	367.3	56,600*	80.0	364.9	52,600*	100
	110	76.3	365.7	56,600*	77.2	364.8	56,600*	78.4	362.4	50,300*	110
	120	74.6	363.0	56,600*	75.5	362.1	56,600*	76.8	359.6	48,300*	120
	130	73.0	359.9	56,600*	73.9	359.0	56,600*	75.1	356.5	46,400*	130
	140	71.4	356.5	56,600*	72.3	355.6	56,600*	73.5	353.2	44,700*	140
	150	69.7	352.9	56,600*	70.6	351.9	56,600*	71.8	349.4	43,100*	150
	160	68.1	348.8	56,600*	69.0	347.9	56,600*	70.1	345.4	41,700*	160
	170	66.4	344.5	56,600*	67.3	343.5	54,600*	68.4	341.0	40,300*	170
	180	64.7	339.8	56,600*	65.5	338.8	52,400*	66.7	336.2	39,100*	180
	190	62.9	334.7	56,600*	63.8	333.7	50,300*	64.9	331.0	37,900*	190
	200	61.2	329.2	56,600*	62.0	328.2	48,400*	63.1	325.5	36,900*	200
	210	59.4	323.3	55,400*	60.2	322.3	46,700*	61.3	319.5	35,900*	210
	220	57.5	316.9	53,100*	58.4	315.9	45,100*	59.4	313.1	34,900*	220
	230	55.7	310.1	50,900*	56.5	309.1	43,600*	57.5	306.2	34,100*	230
	240	53.7	302.9	48,900*	54.6	301.8	42,200*	55.6	298.8	33,300*	240
	250	51.8	295.0	47,100*	52.6	293.9	40,900*	53.6	290.9	32,500*	250
	260	49.7	286.6	45,400*	50.6	285.5	39,700*				260
	270	47.7	277.6	43,800*	48.5	276.4	38,600*				270
	280	45.5	267.9	41,900	46.3	266.6	37,500*				280
	290	43.2	257.4	39,300	44.0	256.1	36,600*				290
	300	40.9	246.0	36,800							300
	310	38.4	233.6	34,600							310
3 4 0	85	80.7	391.6	56,600*							85
	90	80.0	390.7	56,600*	80.9	389.8	56,600*				90
	95	79.2	389.7	56,600*	80.1	388.8	56,600*				95
	100	78.5	388.6	56,600*	79.3	387.7	56,600*	80.5	385.3	53,400*	100
	110	77.0	386.3	56,600*	77.8	385.4	56,600*	79.0	383.0	51,200*	110
	120	75.5	383.7	56,600*	76.3	382.8	56,600*	77.5	380.4	49,200*	120
	130	73.9	380.9	56,600*	74.8	379.9	56,600*	75.9	377.5	47,300*	130
	140	72.4	377.7	56,600*	73.2	376.8	56,600*	74.4	374.3	45,600*	140
	150	70.8	374.2	56,600*	71.7	373.3	56,600*	72.8	370.8	44,100*	150
	160	69.3	370.4	56,600*	70.1	369.5	56,600*	71.2	367.0	42,600*	160
	170	67.7	366.3	56,600*	68.5	365.4	56,400*	69.6	362.8	41,300*	170
	180	66.1	361.9	56,600*	66.9	360.9	54,100*	68.0	358.3	40,000*	180
	190	64.4	357.1	56,600*	65.3	356.2	52,000*	66.3	353.5	38,900*	190
	200	62.8	352.0	56,600*	63.6	351.0	50,100*	64.7	348.3	37,800*	200
	210	61.1	346.5	56,600*	61.9	345.5	48,300*	63.0	342.8	36,800*	210
	220	59.4	340.6	55,500*	60.2	339.6	46,700*	61.2	336.8	35,800*	220
	230	57.7	334.3	53,200*	58.5	333.3	45,100*	59.5	330.5	35,000*	230
	240	55.9	327.6	51,200*	56.7	326.5	43,700*	57.7	323.6	34,100*	240
	250	54.1	320.4	49,300*	54.9	319.3	42,400*	55.8	316.3	33,400*	250
	260	52.2	312.7	46,400	53.0	311.5	41,200*	54.0	308.5	32,700*	260
	270	50.3	304.4	43,300	51.1	303.3	40,000*				270
	280	48.4	295.6	40,500	49.1	294.4	38,900*				280
	290	46.3	286.1	37,800	47.1	284.9	37,900*				290
	300	44.2	276.0	35,400	45.0	274.7	35,800				300
	310	42.1	265.0	33,100							310
	320	39.8	253.2	31,000							320
	330	37.4	240.3	29,000							330