

# MANITOWOC ENGINEERING CO.

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



## LIFT CRANE JIB CAPACITIES - 3900W SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
84,600 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 6705-A. CAPACITIES FOR VARIOUS BOOM LENGTHS, JIB LENGTHS AND JIB 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, 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 IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH CRAWLERS FULLY EXTENDED AND GANTRY UP. REFER TO BOOM RIGGING NO. 49501, JIB ASSEMBLY NO. 43730 AND WIRE ROPE SPECIFICATION CHART NO. 6437-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, TRAVEL, 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 24' EXTENDIBLE CRAWLERS, 48" TREADS, 16' RETRACTABLE GANTRY, 10 OR 12 PART BOOM HOIST REEVING, FOUR 1-1/4" BOOM PENDANTS, 1ST COUNTERWEIGHT = 43,000 LBS., 2ND COUNTERWEIGHT = 30,000 LBS., AND 3RD COUNTERWEIGHT = 11,600 LBS.

MAXIMUM CAPACITY ON 1" - 6 X 25 IPS, IWRC IS 22,500 LBS. PER LINE.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			
OVER END OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS	
BOOM LGTH.	JIB NO. 123	BOOM LGTH.	JIB NO. 123
250'	---	240'	---
240'	30'	230'	---
230'	50'	220'	30'
220'	60'	210'	40'
		200'	60'

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

### 30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	
100	30	79.0	136.8	40,000*	79.0	135.2	40,000*				30
	35	76.8	135.7	40,000*							35
	40	74.6	134.4	40,000*	76.8	133.9	40,000*	78.9	132.7	40,000*	40
	45	72.3	132.8	40,000*	74.5	132.4	40,000*	76.6	131.1	40,000*	45
	50	70.0	131.1	40,000*	72.2	130.6	40,000*	74.2	129.4	40,000*	50
	55	67.7	129.1	40,000*	69.9	128.6	40,000*	71.9	127.4	40,000*	55
	60	65.3	126.9	40,000*	67.5	126.4	40,000*	69.5	125.1	40,000*	60
	65	62.9	124.5	40,000*	65.1	124.0	40,000*	67.0	122.6	40,000*	65
	70	60.4	121.7	37,000	62.6	121.2	37,400	64.5	119.9	37,800	70
	80	55.3	115.4	31,000	57.4	114.8	31,300	59.3	113.4	31,600	80
90	49.8	107.6	26,500	51.9	107.0	26,800	53.7	105.5	27,000	90	
100	43.9	98.2	23,000	45.9	97.5	23,200				100	
110	37.2	86.3	20,100							110	
110	30	79.8	147.0	40,000*							30
	35	77.7	145.9	40,000*	79.8	145.5	40,000*				35
	40	75.7	144.7	40,000*	77.7	144.2	40,000*	79.7	143.0	40,000*	40
	45	73.6	143.3	40,000*	75.6	142.8	40,000*	77.6	141.6	40,000*	45
	50	71.5	141.7	40,000*	73.5	141.2	40,000*	75.4	140.0	40,000*	50
	55	69.3	139.9	40,000*	71.3	139.4	40,000*	73.2	138.1	40,000*	55
	60	67.2	137.9	40,000*	69.2	137.4	40,000*	71.0	136.1	40,000*	60
	65	64.9	135.6	40,000*	67.0	135.1	40,000*	68.8	133.8	40,000*	65
	70	62.7	133.1	36,600	64.7	132.6	37,000	66.5	131.3	37,400	70
	80	58.1	127.4	30,600	60.0	126.8	31,000	61.8	125.4	31,300	80
	90	53.2	120.5	26,100	55.1	119.9	26,400	56.8	118.4	26,600	90
	100	47.9	112.2	22,500	49.9	111.5	22,800	51.5	109.9	23,000	100
110	42.2	102.1	19,700	44.1	101.4	19,900				110	
120	35.8	89.6	17,400							120	

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MEETS  
ANSI B30.5  
REQUIREMENTS

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
84,600 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

### 30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	
120	30	80.5	157.1	40,000*							30
	35	78.5	156.2	40,000*	80.5	155.7	40,000*				35
	40	76.6	155.0	40,000*	78.5	154.6	40,000*	80.4	153.3	40,000*	40
	45	74.7	153.7	40,000*	76.6	153.2	40,000*	78.4	152.0	40,000*	45
	50	72.7	152.2	40,000*	74.6	151.8	40,000*	76.4	150.5	40,000*	50
	55	70.7	150.6	40,000*	72.6	150.1	40,000*	74.4	148.8	40,000*	55
	60	68.7	148.7	40,000*	70.6	148.2	40,000*	72.4	146.9	40,000*	60
	65	66.7	146.6	40,000*	68.6	146.1	40,000*	70.3	144.8	40,000*	65
	70	64.6	144.3	36,200	66.5	143.8	36,700	68.2	142.5	37,100	70
	80	60.4	139.1	30,200	62.2	138.5	30,600	63.9	137.1	31,000	80
	90	55.9	132.8	25,700	57.8	132.2	26,000	59.4	130.7	26,300	90
	100	51.3	125.3	22,200	53.1	124.7	22,400	54.6	123.2	22,700	100
	110	46.2	116.5	19,300	48.0	115.8	19,500				110
120	40.8	105.8	17,000	42.5	105.1	17,200				120	
130	34.6	92.7	15,000							130	
130	35	79.3	166.4	40,000*							35
	40	77.5	165.3	40,000*	79.3	164.8	40,000*	81.0	163.6	40,000*	40
	45	75.6	164.1	40,000*	77.4	163.6	40,000*	79.1	162.3	40,000*	45
	50	73.8	162.7	40,000*	75.6	162.2	40,000*	77.3	160.9	40,000*	50
	55	72.0	161.1	40,000*	73.7	160.6	40,000*	75.4	159.3	40,000*	55
	60	70.1	159.4	40,000*	71.9	158.9	40,000*	73.5	157.6	40,000*	60
	65	68.2	157.5	39,400	70.0	156.9	40,000*	71.6	155.6	40,000*	65
	70	66.3	155.3	35,700	68.1	154.8	36,200	69.7	153.5	36,700	70
	80	62.4	150.5	29,700	64.1	149.9	30,100	65.7	148.5	30,500	80
	90	58.3	144.7	25,100	60.0	144.2	25,500	61.6	142.7	25,800	90
	100	54.0	138.0	21,600	55.8	137.4	21,900	57.3	135.8	22,200	100
	110	49.5	130.0	18,700	51.2	129.4	19,000	52.7	127.8	19,200	110
	120	44.7	120.6	16,400	46.4	120.0	16,600				120
130	39.4	109.5	14,400							130	
140	33.4	95.8	12,800							140	
140	35	79.9	176.5	40,000*							35
	40	78.2	175.5	40,000*	79.9	175.1	40,000*				40
	45	76.5	174.4	40,000*	78.2	173.9	40,000*	79.8	172.6	40,000*	45
	50	74.8	173.1	40,000*	76.5	172.6	40,000*	78.1	171.3	40,000*	50
	55	73.0	171.6	40,000*	74.7	171.1	40,000*	76.3	169.8	40,000*	55
	60	71.3	170.0	40,000*	73.0	169.5	40,000*	74.5	168.2	40,000*	60
	65	69.5	168.2	39,200	71.2	167.7	39,800	72.8	166.4	40,000*	65
	70	67.7	166.2	35,400	69.4	165.7	36,000	71.0	164.4	36,500	70
	80	64.1	161.7	29,400	65.8	161.2	29,900	67.3	159.8	30,300	80
	90	60.3	156.4	24,900	62.0	155.8	25,300	63.5	154.4	25,700	90
	100	56.4	150.2	21,400	58.1	149.6	21,700	59.5	148.1	22,000	100
	110	52.3	142.9	18,500	53.9	142.3	18,800	55.3	140.7	19,000	110
	120	48.0	134.5	16,200	49.6	133.9	16,400				120
130	43.3	124.7	14,200	44.9	124.0	14,400				130	
140	38.2	113.0	12,600							140	
150	32.4	98.7	11,100							150	
150	35	80.4	186.7	40,000*							35
	40	78.9	185.8	40,000*	80.5	185.3	40,000*				40
	45	77.2	184.7	40,000*	78.8	184.2	40,000*	80.4	182.9	40,000*	45
	50	75.6	183.5	40,000*	77.2	182.9	40,000*	78.7	181.6	40,000*	50
	55	74.0	182.1	40,000*	75.6	181.6	40,000*	77.1	180.3	40,000*	55
	60	72.4	180.5	40,000*	73.9	180.0	40,000*	75.4	178.7	40,000*	60
	65	70.7	178.8	38,800	72.3	178.3	39,500	73.8	177.0	40,000*	65
	70	69.0	177.0	35,000	70.6	176.5	35,600	72.1	175.1	36,200	70
	80	65.6	172.8	29,000	67.2	172.2	29,500	68.6	170.8	30,000	80
	90	62.1	167.8	24,500	63.7	167.3	24,900	65.1	165.8	25,300	90
	100	58.5	162.1	21,000	60.0	161.5	21,300	61.4	160.0	21,600	100
	110	54.7	155.4	18,100	56.2	154.8	18,400	57.6	153.3	18,700	110
	120	50.8	147.7	15,800	52.3	147.1	16,000	53.6	145.5	16,200	120
130	46.6	138.9	13,800	48.1	138.2	14,000				130	
140	42.1	128.5	12,100	43.5	127.8	12,300				140	
150	37.1	116.3	10,700							150	
160	31.5	101.6	9,500							160	

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MEETS  
ANSI B30.5  
REQUIREMENTS

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
84,800 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

### 30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	35	81.0	196.8	40,000*							35
	40	79.4	196.0	40,000*	81.0	195.4	40,000*				40
	45	77.9	194.9	40,000*	79.4	194.4	40,000*	80.9	193.1	40,000*	45
	50	76.4	193.8	40,000*	77.9	193.3	40,000*	79.3	192.0	40,000*	50
	55	74.9	192.5	40,000*	76.4	192.0	40,000*	77.8	190.6	40,000*	55
	60	73.3	191.0	40,000*	74.8	190.5	40,000*	76.2	189.2	40,000*	60
	65	71.7	189.4	38,500	73.2	188.9	39,200	74.7	187.6	39,800	65
	70	70.2	187.7	34,700	71.7	187.2	35,300	73.1	185.8	35,900	70
	80	67.0	183.7	28,700	68.5	183.2	29,200	69.8	181.8	29,700	80
	90	63.7	179.1	24,200	65.2	178.5	24,600	66.5	177.1	25,000	90
	100	60.3	173.7	20,600	61.8	173.1	21,000	63.1	171.7	21,300	100
	110	56.8	167.5	17,800	58.3	166.9	18,100	59.5	165.4	18,400	110
	120	53.2	160.5	15,400	54.6	159.9	15,700	55.8	158.3	15,900	120
	130	49.3	152.4	13,500	50.8	151.7	13,700	52.0	150.0	13,900	130
	140	45.3	143.1	11,800	46.7	142.4	12,000				140
	150	40.9	132.3	10,400	42.3	131.5	10,500				150
160	36.1	119.6	9,100							160	
170	40	80.0	206.1	40,000*							40
	45	78.5	205.2	40,000*	80.0	204.6	40,000*				45
	50	77.1	204.1	40,000*	78.5	203.5	40,000*	79.9	202.2	40,000*	50
	55	75.6	202.8	40,000*	77.1	202.3	40,000*	78.4	201.0	40,000*	55
	60	74.2	201.4	40,000*	75.6	200.9	40,000*	76.9	199.6	40,000*	60
	65	72.7	199.9	38,100	74.1	199.4	38,800	75.4	198.1	39,500	65
	70	71.2	198.3	34,300	72.6	197.8	34,900	73.9	196.4	35,600	70
	80	68.2	194.5	28,300	69.6	194.0	28,800	70.9	192.6	29,300	80
	90	65.1	190.2	23,700	66.5	189.6	24,200	67.8	188.2	24,600	90
	100	61.9	185.1	20,200	63.3	184.6	20,600	64.6	183.1	20,900	100
	110	58.6	179.4	17,300	60.0	178.8	17,700	61.3	177.3	18,000	110
	120	55.3	172.8	15,000	56.6	172.2	15,300	57.8	170.7	15,500	120
	130	51.7	165.4	13,000	53.1	164.7	13,300	54.3	163.1	13,500	130
	140	48.0	156.9	11,300	49.4	156.2	11,600				140
	150	44.1	147.2	9,900	45.4	146.4	10,100				150
	160	39.8	136.0	8,700							160
170	35.1	122.8	7,600							170	
180	40	80.4	216.3	40,000*							40
	45	79.1	215.4	40,000*	80.5	214.8	40,000*				45
	50	77.7	214.3	40,000*	79.1	213.8	40,000*	80.4	212.5	40,000*	50
	55	76.3	213.1	40,000*	77.7	212.6	40,000*	79.0	211.3	40,000*	55
	60	74.9	211.8	40,000*	76.3	211.3	40,000*	77.6	210.0	40,000*	60
	65	73.5	210.4	37,800	74.9	209.9	38,600	76.2	208.5	39,300	65
	70	72.1	208.8	34,000	73.5	208.3	34,700	74.7	206.9	35,300	70
	80	69.2	205.3	28,000	70.6	204.8	28,600	71.8	203.4	29,100	80
	90	66.3	201.2	23,400	67.7	200.6	23,900	68.9	199.2	24,400	90
	100	63.3	196.4	19,900	64.7	195.9	20,300	65.9	194.4	20,700	100
	110	60.3	191.0	17,000	61.6	190.4	17,400	62.8	188.9	17,800	110
	120	57.1	184.9	14,700	58.4	184.3	15,000	59.6	182.7	15,300	120
	130	53.8	178.0	12,700	55.1	177.3	13,000	56.3	175.7	13,300	130
	140	50.4	170.1	11,100	51.7	169.5	11,300	52.8	167.8	11,500	140
	150	46.8	161.2	9,600	48.1	160.6	9,900				150
	160	43.0	151.1	8,400	44.2	150.4	8,600				160
170	38.8	139.5	7,300							170	
180	34.3	125.9	6,300							180	

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## LIFTCRANE JIB CAPACITIES MEETS ANSI B30.5 REQUIREMENTS 3900W SERIES 2

JIB NO. 123 WITH 12'8" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
84,600 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

### 30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	
190	40	80.9	226.4	40,000*							40
	45	79.6	225.5	40,000*	80.9	225.0	40,000*				45
	50	78.3	224.5	40,000*	79.6	224.0	40,000*	80.8	222.7	40,000*	50
	55	76.9	223.4	40,000*	78.2	222.9	40,000*	79.5	221.6	40,000*	55
	60	75.6	222.2	40,000*	76.9	221.7	40,000*	78.2	220.3	40,000*	60
	65	74.3	220.8	37,400	75.6	220.3	38,200	76.8	218.9	39,000	65
	70	72.9	219.3	33,600	74.2	218.8	34,400	75.5	217.4	35,000	70
	80	70.2	216.0	27,600	71.5	215.4	28,200	72.7	214.0	28,800	80
	90	67.4	212.1	23,100	68.7	211.5	23,600	69.9	210.1	24,100	90
	100	64.6	207.6	19,500	65.9	207.0	20,000	67.1	205.6	20,400	100
	110	61.7	202.5	16,700	63.0	201.9	17,100	64.1	200.4	17,400	110
	120	58.8	196.7	14,300	60.0	196.1	14,700	61.1	194.6	15,000	120
	130	55.7	190.2	12,300	56.9	189.6	12,700	58.0	188.0	12,900	130
	140	52.5	182.9	10,700	53.7	182.3	11,000	54.8	180.7	11,200	140
	150	49.2	174.7	9,300	50.4	174.1	9,500				150
	160	45.7	165.5	8,000	46.9	164.8	8,200				160
	170	41.9	155.0	6,900	43.1	154.2	7,100				170
	180	37.9	143.0	6,000							180
	190	33.5	128.9	5,100							190
200	45	80.0	235.7	40,000*							45
	50	78.8	234.8	40,000*	80.0	234.2	40,000*				50
	55	77.5	233.7	40,000*	78.8	233.2	40,000*	80.0	231.8	40,000*	55
	60	76.2	232.5	40,000*	77.5	232.0	40,000*	78.7	230.6	40,000*	60
	65	75.0	231.2	37,200	76.2	230.7	38,000	77.4	229.3	38,800	65
	70	73.7	229.8	33,400	74.9	229.3	34,200	76.1	227.9	34,900	70
	80	71.1	226.6	27,400	72.3	226.0	28,000	73.5	224.6	28,600	80
	90	68.5	222.9	22,900	69.7	222.3	23,400	70.8	220.9	23,900	90
	100	65.8	218.6	19,300	67.0	218.0	19,800	68.1	216.6	20,200	100
	110	63.1	213.8	16,400	64.3	213.2	16,800	65.4	211.7	17,200	110
	120	60.3	208.3	14,100	61.5	207.8	14,500	62.5	206.2	14,800	120
	130	57.4	202.2	12,100	58.6	201.6	12,400	59.6	200.1	12,700	130
	140	54.4	195.4	10,500	55.6	194.8	10,700	56.6	193.2	11,000	140
	150	51.3	187.8	9,000	52.5	187.1	9,300	53.5	185.4	9,500	150
	160	48.0	179.2	7,800	49.2	178.6	8,000				160
	170	44.6	169.6	6,700	45.8	168.9	6,900				170
	180	41.0	158.8	5,700	42.1	158.0	5,900				180
	190	37.0	146.3	4,900							190
	200	32.7	131.9	4,100							200
210	45	80.4	245.9	40,000*							45
	50	79.2	244.9	40,000*	80.4	244.4	40,000*				50
	55	78.0	243.9	40,000*	79.2	243.4	40,000*	80.4	242.1	40,000*	55
	60	76.8	242.8	40,000*	78.0	242.3	40,000*	79.2	240.9	40,000*	60
	65	75.6	241.5	36,800	76.8	241.0	37,700	77.9	239.7	38,500	65
	70	74.4	240.2	33,000	75.6	239.7	33,800	76.7	238.3	34,600	70
	80	71.9	237.1	27,000	73.1	236.6	27,700	74.2	235.2	28,300	80
	90	69.4	233.6	22,500	70.6	233.0	23,000	71.7	231.6	23,600	90
	100	66.9	229.5	18,900	68.0	229.0	19,400	69.1	227.5	19,900	100
	110	64.3	225.0	16,000	65.4	224.4	16,500	66.5	222.9	16,900	110
	120	61.6	219.8	13,700	62.8	219.2	14,100	63.8	217.7	14,400	120
	130	58.9	214.0	11,700	60.0	213.4	12,100	61.0	211.9	12,400	130
	140	56.1	207.6	10,000	57.2	207.0	10,400	58.2	205.4	10,600	140
	150	53.2	200.5	8,600	54.3	199.8	8,900	55.3	198.2	9,100	150
	160	50.1	192.5	7,400	51.3	191.8	7,600	52.2	190.1	7,800	160
	170	47.0	183.6	6,300	48.1	182.9	6,500				170
	180	43.6	173.7	5,300	44.7	172.9	5,500				180
	190	40.1	162.4	4,500							190
	200	36.2	149.6	3,700							200
210	32.0	134.8	3,000							210	

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES MEETS ANSI B30.5 REQUIREMENTS 3900W SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
84,600 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

### 30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	
220	45	80.8	256.0	40,000*							45
	50	79.7	255.1	40,000*	80.8	254.6	40,000*				50
	55	78.5	254.1	40,000*	79.7	253.6	40,000*	80.8	252.3	40,000*	55
	60	77.4	253.1	40,000*	78.5	252.5	40,000*	79.6	251.2	40,000*	60
	65	76.2	251.9	36,600	77.3	251.3	37,500	78.4	250.0	38,300	65
	70	75.0	250.6	32,800	76.2	250.0	33,600	77.2	248.7	34,400	70
	80	72.6	247.6	26,800	73.8	247.1	27,500	74.9	245.7	28,100	80
	90	70.3	244.2	22,200	71.4	243.7	22,800	72.4	242.3	23,400	90
	100	67.8	240.4	18,700	69.0	239.8	19,200	70.0	238.4	19,700	100
	110	65.3	236.0	15,800	66.5	235.5	16,300	67.5	234.0	16,700	110
	120	62.8	231.1	13,500	63.9	230.5	13,900	64.9	229.1	14,200	120
130	60.2	225.7	11,500	61.3	225.1	11,800	62.3	223.5	12,200	130	
140	57.6	219.6	9,800	58.7	219.0	10,100	59.7	217.4	10,400	140	
150	54.8	212.9	8,400	55.9	212.2	8,700	56.9	210.6	8,900	150	
160	52.0	205.4	7,100	53.1	204.7	7,400	54.0	203.0	7,600	160	
170	49.1	197.1	6,100	50.1	196.4	6,300				170	
180	46.0	187.9	5,100	47.0	187.2	5,300				180	
190	42.7	177.6	4,200	43.8	176.8	4,400				190	
200	39.2	166.0	3,500							200	
230	50	80.1	265.3	40,000*							50
	55	79.0	264.3	40,000*	80.1	263.8	40,000*				55
	60	77.8	263.3	40,000*	79.0	262.8	40,000*	80.0	261.4	37,400*	60
	65	76.7	262.2	36,200	77.8	261.6	37,200	78.9	260.3	37,100*	65
	70	75.6	260.9	32,400	76.7	260.4	33,300	77.7	259.0	34,100	70
	80	73.3	258.1	26,400	74.4	257.6	27,100	75.5	256.2	27,800	80
	90	71.0	254.9	21,900	72.1	254.3	22,500	73.2	252.9	23,000	90
	100	68.7	251.2	18,300	69.8	250.6	18,800	70.8	249.2	19,300	100
	110	66.3	247.0	15,400	67.4	246.4	15,900	68.4	245.0	16,300	110
	120	63.9	242.3	13,100	65.0	241.7	13,500	66.0	240.3	13,900	120
	130	61.5	237.1	11,100	62.5	236.5	11,500	63.5	235.0	11,800	130
140	59.0	231.4	9,400	60.0	230.8	9,800	61.0	229.2	10,100	140	
150	56.4	225.0	8,000	57.4	224.4	8,300	58.4	222.8	8,600	150	
160	53.7	218.0	6,800	54.8	217.3	7,000	55.7	215.7	7,300	160	
170	50.9	210.2	5,700	52.0	209.5	5,900	52.9	207.8	6,100	170	
180	48.1	201.6	4,700	49.1	200.9	4,900				180	
190	45.0	192.1	3,800	46.1	191.3	4,000				190	
200	41.9	181.5	3,100	42.9	180.7	3,200				200	
240	50	80.4	275.4	40,000*							50
	55	79.4	274.5	39,600*	80.4	274.0	37,800*				55
	60	78.3	273.5	39,000*	79.4	273.0	37,300*	80.4	271.6	34,600*	60
	65	77.2	272.4	35,900	78.3	271.9	36,800*	79.3	270.5	34,300*	65
	70	76.1	271.2	32,100	77.2	270.7	33,000	78.2	269.3	33,800	70
	80	74.0	268.5	26,100	75.0	268.0	26,800	76.0	266.6	27,500	80
	90	71.8	265.4	21,500	72.8	264.9	22,100	73.8	263.5	22,700	90
	100	69.5	261.9	17,900	70.6	261.3	18,500	71.6	259.9	19,000	100
	110	67.3	257.9	15,100	68.3	257.3	15,600	69.3	255.9	16,000	110
	120	65.0	253.4	12,700	66.0	252.8	13,200	66.9	251.4	13,600	120
	130	62.6	248.5	10,700	63.7	247.9	11,100	64.6	246.4	11,500	130
140	60.2	243.0	9,100	61.2	242.4	9,400	62.2	240.8	9,700	140	
150	57.8	236.9	7,600	58.8	236.3	8,000	59.7	234.7	8,200	150	
160	55.2	230.3	6,400	56.2	229.6	6,700	57.1	228.0	6,900	160	
170	52.6	222.9	5,300	53.6	222.3	5,600	54.5	220.6	5,800	170	
180	49.9	214.9	4,300	50.9	214.2	4,600	51.8	212.4	4,800	180	
190	47.1	206.0	3,500	48.1	205.3	3,700				190	

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

## 3900W SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
64,600 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

### 40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	
100	30	80.0	146.9	30,000*							30
	35	77.9	145.9	30,000*	80.6	145.3	30,000*				35
	40	75.9	144.7	30,000*	78.6	144.1	30,000*				40
	45	73.8	143.3	30,000*	76.5	142.7	30,000*	79.1	141.1	30,000*	45
	50	71.7	141.7	30,000*	74.3	141.1	30,000*	77.0	139.5	30,000*	50
	55	69.5	139.9	30,000*	72.2	139.3	30,000*	74.8	137.7	30,000*	55
	60	67.4	137.9	30,000*	70.0	137.2	30,000*	72.6	135.6	30,000*	60
	65	65.2	135.6	30,000*	67.8	135.0	30,000*	70.3	133.3	30,000*	65
	70	62.9	133.1	30,000*	65.5	132.5	30,000*	68.1	130.8	30,000*	70
	80	58.3	127.4	30,000*	60.9	126.7	30,000*	63.3	124.9	28,400*	80
	90	53.4	120.5	26,600	55.9	119.7	27,000	58.3	117.8	26,400*	90
	100	48.1	112.1	23,100	50.7	111.4	23,400	53.0	109.3	23,600	100
110	42.4	102.1	20,200	44.9	101.2	20,500				110	
120	36.0	89.6	17,900							120	
110	30	80.7	157.1	30,000*							30
	35	78.7	156.2	30,000*							35
	40	76.8	155.0	30,000*	79.3	154.4	30,000*				40
	45	74.9	153.7	30,000*	77.4	153.1	30,000*	79.9	151.5	30,000*	45
	50	72.9	152.2	30,000*	75.4	151.6	30,000*	77.9	150.0	30,000*	50
	55	70.9	150.6	30,000*	73.4	149.9	30,000*	75.9	148.3	30,000*	55
	60	68.9	148.7	30,000*	71.4	148.1	30,000*	73.8	146.4	30,000*	60
	65	66.9	146.6	30,000*	69.4	146.0	30,000*	71.8	144.3	30,000*	65
	70	64.8	144.3	30,000*	67.3	143.7	30,000*	69.7	141.9	30,000*	70
	80	60.6	139.1	30,000*	63.0	138.4	30,000*	65.3	136.6	29,300*	80
	90	56.1	132.8	26,200	58.6	132.1	26,600	60.8	130.2	26,900	90
	100	51.5	125.3	22,700	53.8	124.6	23,000	56.0	122.6	23,300	100
110	46.4	116.5	19,800	48.8	115.6	20,100				110	
120	40.9	105.8	17,500	43.2	104.9	17,700				120	
130	34.8	92.7	15,500							130	
120	35	79.4	166.4	30,000*							35
	40	77.6	165.3	30,000*	80.0	164.7	30,000*				40
	45	75.8	164.1	30,000*	78.2	163.5	30,000*	80.5	161.8	30,000*	45
	50	74.0	162.7	30,000*	76.3	162.1	30,000*	78.7	160.4	30,000*	50
	55	72.2	161.1	30,000*	74.5	160.5	30,000*	76.8	158.8	30,000*	55
	60	70.3	159.4	30,000*	72.6	158.7	30,000*	74.9	157.1	30,000*	60
	65	68.4	157.5	30,000*	70.7	156.8	30,000*	73.0	155.1	30,000*	65
	70	66.5	155.3	30,000*	68.8	154.7	30,000*	71.0	152.9	30,000*	70
	80	62.6	150.5	30,000*	64.8	149.8	30,000*	67.0	148.0	30,000*	80
	90	58.5	144.7	25,800	60.8	144.0	26,200	62.9	142.1	26,600	90
	100	54.2	137.9	22,300	56.5	137.2	22,600	58.6	135.2	23,000	100
	110	49.7	130.0	19,400	51.9	129.2	19,700	53.9	127.1	20,000	110
120	44.9	120.6	17,100	47.1	119.8	17,300				120	
130	39.6	109.4	15,100	41.7	108.5	15,300				130	
140	33.6	95.8	13,500							140	
130	35	80.1	176.5	30,000*							35
	40	78.4	175.5	30,000*	80.6	174.9	30,000*				40
	45	76.7	174.4	30,000*	78.9	173.8	30,000*				45
	50	74.9	173.1	30,000*	77.2	172.5	30,000*	79.4	170.8	30,000*	50
	55	73.2	171.6	30,000*	75.4	171.0	30,000*	77.6	169.3	30,000*	55
	60	71.5	170.0	30,000*	73.7	169.3	30,000*	75.8	167.6	30,000*	60
	65	69.7	168.2	30,000*	71.9	167.5	30,000*	74.0	165.8	30,000*	65
	70	67.9	166.2	30,000*	70.1	165.5	30,000*	72.2	163.8	30,000*	70
	80	64.3	161.7	29,800	66.4	161.0	30,000*	68.5	159.2	30,000*	80
	90	60.5	156.4	25,300	62.7	155.7	25,700	64.7	153.8	26,200	90
	100	56.6	150.2	21,700	58.7	149.4	22,100	60.7	147.5	22,500	100
	110	52.5	142.9	18,900	54.6	142.1	19,200	56.5	140.1	19,500	110
120	48.2	134.5	16,500	50.2	133.7	16,800	52.1	131.5	17,100	120	
130	43.5	124.6	14,600	45.5	123.7	14,800				130	
140	38.4	112.9	12,900							140	
150	32.6	98.7	11,500							150	

# MANITOWOC ENGINEERING CO.

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## LIFTCRANE JIB CAPACITIES

MEETS  
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REQUIREMENTS

## 3900W SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
84,600 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

### 40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	35	80.6	186.7	30,000							35
	40	79.0	185.8	30,000							40
	45	77.4	184.7	30,000	79.5	184.0	30,000				45
	50	75.8	183.4	30,000	77.9	182.8	30,000	80.0	181.1	30,000	50
	55	74.2	182.1	30,000	76.2	181.4	30,000	78.3	179.7	30,000	55
	60	72.5	180.5	30,000	74.6	179.9	30,000	76.6	178.2	30,000	60
	65	70.9	178.8	30,000	72.9	178.2	30,000	75.0	176.4	30,000	65
	70	69.2	177.0	30,000	71.3	176.3	30,000	73.3	174.6	30,000	70
	80	65.8	172.8	29,600	67.8	172.1	30,000	69.8	170.3	30,000	80
	90	62.3	167.8	25,000	64.3	167.1	25,500	66.2	165.2	26,000	90
	100	58.7	162.0	21,500	60.7	161.3	21,900	62.6	159.4	22,300	100
	110	54.9	155.4	18,600	56.9	154.6	19,000	58.7	152.6	19,300	110
	120	50.9	147.7	16,300	52.9	146.9	16,600	54.7	144.8	16,900	120
	130	46.7	138.9	14,300	48.7	138.0	14,600				130
	140	42.2	128.5	12,700	44.1	127.6	12,900				140
150	37.3	116.3	11,200							150	
150	40	79.6	195.9	30,000							40
	45	78.1	194.9	30,000	80.1	194.3	30,000				45
	50	76.5	193.8	30,000	78.5	193.1	30,000	80.5	191.4	30,000	50
	55	75.0	192.5	30,000	77.0	191.8	30,000	78.9	190.1	30,000	55
	60	73.5	191.0	30,000	75.4	190.4	30,000	77.4	188.6	30,000	60
	65	71.9	189.4	30,000	73.9	188.7	30,000	75.8	187.0	30,000	65
	70	70.3	187.7	30,000	72.3	187.0	30,000	74.2	185.2	30,000	70
	80	67.1	183.7	29,200	69.1	183.0	29,800	70.9	181.2	30,000	80
	90	63.8	179.1	24,600	65.8	178.4	25,200	67.6	176.5	25,700	90
	100	60.5	173.7	21,100	62.4	173.0	21,500	64.2	171.0	22,000	100
	110	57.0	167.5	18,200	58.9	166.8	18,600	60.6	164.8	19,000	110
	120	53.3	160.5	15,900	55.2	159.7	16,200	56.9	157.6	16,500	120
	130	49.5	152.4	13,900	51.3	151.5	14,200	53.0	149.3	14,500	130
	140	45.4	143.1	12,200	47.3	142.2	12,500				140
	150	41.0	132.3	10,800	42.8	131.3	11,000				150
160	36.2	119.6	9,600							160	
160	40	80.1	206.1	30,000							40
	45	78.7	205.1	30,000	80.6	204.5	30,000				45
	50	77.2	204.0	30,000	79.1	203.4	30,000	81.0	201.7	30,000	50
	55	75.8	202.8	30,000	77.6	202.1	30,000	79.5	200.4	30,000	55
	60	74.3	201.4	30,000	76.2	200.8	30,000	78.0	199.0	30,000	60
	65	72.8	199.9	30,000	74.7	199.3	30,000	76.5	197.5	30,000	65
	70	71.3	198.3	30,000	73.2	197.6	30,000	75.0	195.8	30,000	70
	80	68.3	194.5	28,800	70.2	193.8	29,500	72.0	192.0	30,000	80
	90	65.2	190.2	24,300	67.1	189.5	24,900	68.8	187.6	25,400	90
	100	62.1	185.1	20,700	63.9	184.4	21,200	65.6	182.5	21,700	100
	110	58.8	179.4	17,900	60.6	178.6	18,300	62.3	176.7	18,700	110
	120	55.4	172.8	15,500	57.2	172.0	15,900	58.9	170.0	16,200	120
	130	51.9	165.4	13,600	53.7	164.5	13,900	55.3	162.4	14,200	130
	140	48.2	156.9	11,900	49.9	156.0	12,200				140
	150	44.2	147.2	10,500	46.0	146.2	10,700				150
160	40.0	135.9	9,200	41.7	134.9	9,400				160	
170	35.3	122.8	8,100							170	
170	40	80.6	216.3	30,000							40
	45	79.2	215.3	30,000							45
	50	77.8	214.3	30,000	79.6	213.6	30,000				50
	55	76.5	213.1	30,000	78.2	212.5	30,000	80.0	210.7	30,000	55
	60	75.1	211.8	30,000	76.8	211.2	30,000	78.6	209.4	30,000	60
	65	73.7	210.4	30,000	75.4	209.7	30,000	77.2	207.9	30,000	65
	70	72.2	208.8	30,000	74.0	208.1	30,000	75.8	206.4	30,000	70
	80	69.4	205.3	28,400	71.2	204.6	29,100	72.9	202.8	29,800	80
	90	66.5	201.2	23,900	68.2	200.4	24,500	69.9	198.6	25,100	90
	100	63.5	196.4	20,300	65.2	195.7	20,800	66.9	193.8	21,300	100
	110	60.4	191.0	17,400	62.2	190.3	17,900	63.8	188.3	18,300	110
	120	57.3	184.9	15,100	59.0	184.1	15,500	60.6	182.1	15,900	120
	130	54.0	177.9	13,100	55.7	177.1	13,500	57.2	175.0	13,800	130
	140	50.5	170.1	11,400	52.2	169.3	11,700	53.7	167.1	12,000	140
	150	46.9	161.2	10,000	48.6	160.3	10,300				150
160	43.1	151.1	8,800	44.7	150.2	9,000				160	
170	39.0	139.5	7,700							170	
180	34.4	125.9	6,700							180	

# MANITOWOC ENGINEERING CO.

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



## LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

## 3900W SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
64,600 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

### 40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	
180	45	79.7	225.5	30,000*							45
	50	78.4	224.5	30,000*	80.1	223.9	30,000*				50
	55	77.1	223.4	30,000*	78.8	222.7	30,000*	80.5	221.0	30,000*	55
	60	75.7	222.2	30,000*	77.5	221.5	30,000*	79.1	219.7	30,000*	60
	65	74.4	220.8	30,000*	76.1	220.1	30,000*	77.8	218.4	30,000*	65
	70	73.1	219.3	30,000*	74.8	218.6	30,000*	76.4	216.8	30,000*	70
	80	70.3	216.0	28,100	72.0	215.3	28,900	73.7	213.4	29,600	80
	90	67.6	212.0	23,600	69.3	211.3	24,200	70.9	209.5	24,800	90
	100	64.8	207.6	20,000	66.4	206.8	20,600	68.0	204.9	21,100	100
	110	61.9	202.5	17,200	63.5	201.7	17,600	65.1	199.8	18,100	110
	120	58.9	196.7	14,800	60.5	195.9	15,200	62.1	193.9	15,600	120
130	55.8	190.2	12,800	57.5	189.4	13,200	59.0	187.3	13,600	130	
140	52.6	182.9	11,200	54.3	182.1	11,500	55.7	179.9	11,800	140	
150	49.3	174.7	9,700	50.9	173.9	10,000	52.3	171.6	10,300	150	
160	45.8	165.5	8,500	47.4	164.6	8,700				160	
170	42.1	155.0	7,400	43.6	154.0	7,600				170	
180	38.0	143.0	6,400							180	
190	33.6	128.9	5,600							190	
190	45	80.2	235.7	30,000*							45
	50	78.9	234.7	30,000*	80.5	234.1	30,000*				50
	55	77.6	233.7	30,000*	79.3	233.0	30,000*	80.9	231.2	30,000*	55
	60	76.4	232.5	30,000*	78.0	231.8	30,000*	79.6	230.0	30,000*	60
	65	75.1	231.2	30,000*	76.7	230.5	30,000*	78.3	228.7	30,000*	65
	70	73.8	229.8	30,000*	75.4	229.1	30,000*	77.0	227.3	30,000*	70
	80	71.2	226.6	27,800	72.9	225.9	28,500	74.4	224.0	29,300	80
	90	68.6	222.8	23,200	70.2	222.1	23,900	71.8	220.3	24,500	90
	100	65.9	218.6	19,600	67.5	217.9	20,200	69.1	216.0	20,800	100
	110	63.2	213.8	16,800	64.8	213.0	17,300	66.3	211.1	17,800	110
	120	60.4	208.3	14,400	62.0	207.6	14,900	63.4	205.6	15,300	120
130	57.5	202.2	12,500	59.1	201.4	12,900	60.5	199.4	13,200	130	
140	54.5	195.4	10,800	56.1	194.6	11,100	57.5	192.5	11,500	140	
150	51.4	187.8	9,400	53.0	186.9	9,700	54.3	184.7	10,000	150	
160	48.2	179.2	8,100	49.7	178.3	8,400				160	
170	44.7	169.6	7,000	46.3	168.7	7,300				170	
180	41.1	158.8	6,000	42.6	157.7	6,300				180	
190	37.2	146.3	5,200							190	
200	32.8	131.9	4,400							200	
200	45	80.6	245.8	30,000*							45
	50	79.4	244.9	30,000*	80.9	244.3	30,000*				50
	55	78.2	243.9	30,000*	79.7	243.2	30,000*				55
	60	76.9	242.8	30,000*	78.5	242.1	30,000*	80.1	240.3	30,000*	60
	65	75.7	241.5	30,000*	77.3	240.9	30,000*	78.8	239.1	30,000*	65
	70	74.5	240.2	30,000*	76.1	239.5	30,000*	77.6	237.7	30,000*	70
	80	72.0	237.1	27,500	73.6	236.4	28,300	75.1	234.6	29,100	80
	90	69.5	233.6	23,000	71.1	232.9	23,700	72.6	231.0	24,400	90
	100	67.0	229.5	19,400	68.5	228.8	20,000	70.0	226.9	20,600	100
	110	64.4	224.9	16,500	65.9	224.2	17,100	67.4	222.3	17,600	110
	120	61.7	219.8	14,200	63.2	219.0	14,700	64.7	217.0	15,100	120
130	59.0	214.0	12,200	60.5	213.3	12,600	61.9	211.2	13,000	130	
140	56.2	207.6	10,600	57.7	206.8	10,900	59.1	204.7	11,300	140	
150	53.3	200.5	9,100	54.8	199.6	9,500	56.1	197.4	9,800	150	
160	50.3	192.5	7,900	51.7	191.6	8,200	53.0	189.3	8,400	160	
170	47.1	183.6	6,800	48.6	182.7	7,000				170	
180	43.8	173.7	5,800	45.2	172.7	6,000				180	
190	40.2	162.4	5,000	41.6	161.4	5,200				190	
200	36.4	149.6	4,200							200	
210	32.1	134.8	3,500							210	



# MANITOWOC ENGINEERING CO.

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



## LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

## 3900W SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
84,600 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

### 40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	
210	45	80.9	256.0	30,000*							45
	50	79.8	255.1	30,000*							50
	55	78.6	254.1	30,000*	80.1	253.4	30,000*				55
	60	77.5	253.0	30,000*	79.0	252.4	30,000*	80.5	250.6	30,000*	60
	65	76.3	251.9	30,000*	77.8	251.2	30,000*	79.3	249.4	30,000*	65
	70	75.1	250.6	30,000*	76.6	249.9	30,000*	78.1	248.0	30,000*	70
	80	72.8	247.6	27,200	74.3	246.9	28,000	75.7	245.1	28,800	80
	90	70.4	244.2	22,600	71.9	243.5	23,300	73.3	241.7	24,000	90
	100	67.9	240.4	19,000	69.4	239.6	19,700	70.8	237.8	20,300	100
	110	65.5	236.0	16,200	66.9	235.3	16,700	68.3	233.3	17,300	110
	120	62.9	231.1	13,800	64.4	230.4	14,300	65.8	228.4	14,800	120
	130	60.3	225.7	11,800	61.8	224.9	12,300	63.2	222.8	12,700	130
	140	57.7	219.6	10,200	59.1	218.8	10,500	60.5	216.7	10,900	140
	150	55.0	212.8	8,700	56.4	212.0	9,100	57.7	209.9	9,400	150
	160	52.1	205.4	7,500	53.5	204.5	7,800	54.8	202.3	8,100	160
	170	49.2	197.1	6,400	50.6	196.2	6,700				170
180	46.1	187.9	5,400	47.5	186.9	5,700				180	
190	42.8	177.6	4,500	44.2	176.6	4,800				190	
200	39.4	166.0	3,800							200	
210	35.6	152.8	3,100							210	
200	50	80.2	265.3	30,000*							50
	55	79.1	264.3	30,000*	80.5	263.6	30,000*				55
	60	78.0	263.3	30,000*	79.4	262.6	30,000*	80.9	260.8	30,000*	60
	65	76.8	262.2	30,000*	78.3	261.5	30,000*	79.7	259.6	30,000*	65
	70	75.7	260.9	30,000*	77.2	260.2	30,000*	78.6	258.4	30,000*	70
	80	73.4	258.1	26,900	74.9	257.4	27,800	76.3	255.5	28,600	80
	90	71.1	254.8	22,400	72.6	254.1	23,100	74.0	252.3	23,800	90
	100	68.8	251.2	18,800	70.2	250.4	19,400	71.6	248.5	20,100	100
	110	66.5	247.0	15,900	67.9	246.2	16,500	69.2	244.3	17,100	110
	120	64.0	242.3	13,600	65.5	241.6	14,100	66.8	239.6	14,600	120
	130	61.6	237.1	11,600	63.0	236.3	12,000	64.3	234.3	12,500	130
	140	59.1	231.4	9,900	60.5	230.6	10,300	61.8	228.5	10,700	140
	150	56.5	225.0	8,500	57.9	224.2	8,800	59.1	222.0	9,200	150
	160	53.8	217.9	7,200	55.2	217.1	7,600	56.4	214.9	7,900	160
	170	51.0	210.2	6,100	52.4	209.3	6,400	53.6	207.0	6,700	170
	180	48.2	201.6	5,200	49.5	200.7	5,400				180
190	45.2	192.1	4,300	46.5	191.1	4,500				190	
200	42.0	181.4	3,500	43.3	180.4	3,700				200	
230	50	80.5	275.4	30,000*							50
	55	79.5	274.5	30,000*	80.9	273.8	30,000*				55
	60	78.4	273.5	30,000*	79.8	272.8	30,000*				60
	65	77.3	272.4	30,000*	78.7	271.7	30,000*	80.1	269.9	30,000*	65
	70	76.2	271.2	30,000*	77.6	270.5	30,000*	79.0	268.7	30,000*	70
	80	74.1	268.5	26,500	75.5	267.8	27,500	76.8	266.0	28,400	80
	90	71.9	265.4	22,000	73.2	264.7	22,800	74.6	262.8	23,500	90
	100	69.6	261.9	18,400	71.0	261.1	19,100	72.3	259.2	19,800	100
	110	67.4	257.9	15,500	68.7	257.1	16,100	70.1	255.2	16,700	110
	120	65.1	253.4	13,200	66.4	252.7	13,700	67.7	250.7	14,200	120
	130	62.7	248.5	11,200	64.1	247.7	11,700	65.4	245.7	12,200	130
	140	60.3	243.0	9,500	61.7	242.2	10,000	62.9	240.1	10,400	140
	150	57.9	236.9	8,100	59.2	236.1	8,500	60.4	234.0	8,900	150
	160	55.3	230.3	6,800	56.7	229.4	7,200	57.9	227.3	7,500	160
	170	52.7	222.9	5,700	54.1	222.1	6,100	55.2	219.8	6,400	170
	180	50.0	214.9	4,800	51.3	214.0	5,100	52.5	211.6	5,300	180
190	47.2	206.0	3,900	48.5	205.0	4,200				190	
200	44.3	196.1	3,100	45.5	195.2	3,400				200	

# MANITOWOC ENGINEERING CO.

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



## LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

## 3900W SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
84,600 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

### 50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	
100	30	80.9	157.3	20,000*							30
	35	79.0	156.4	20,000*							35
	40	77.1	155.3	20,000*	80.2	154.6	20,000*				40
	45	75.1	154.0	20,000*	78.3	153.4	20,000*				45
	50	73.2	152.5	20,000*	76.3	151.9	20,000*	79.5	150.1	20,000*	50
	55	71.2	150.9	20,000*	74.3	150.2	20,000*	77.5	148.4	20,000*	55
	60	69.2	149.1	20,000*	72.3	148.4	20,000*	75.4	146.6	20,000*	60
	65	67.2	147.0	20,000*	70.3	146.3	20,000*	73.4	144.5	20,000*	65
	70	65.1	144.8	20,000*	68.2	144.1	20,000*	71.3	142.2	20,000*	70
	80	60.9	139.6	20,000*	64.0	138.9	20,000*	67.0	136.9	20,000*	80
	90	56.4	133.4	20,000*	59.5	132.7	20,000*	62.4	130.6	20,000*	90
	100	51.8	126.1	20,000*	54.8	125.3	20,000*	57.7	123.1	20,000*	100
	110	46.8	117.4	20,000*	49.8	116.5	20,000*	52.5	114.2	19,400*	110
120	41.4	106.9	18,000	44.3	106.0	18,200				120	
130	35.3	94.1	16,000							130	
110	35	79.7	166.5	20,000*							35
	40	77.9	165.5	20,000*	80.9	164.9	20,000*				40
	45	76.1	164.3	20,000*	79.0	163.7	20,000*				45
	50	74.2	163.0	20,000*	77.2	162.3	20,000*	80.2	160.5	20,000*	50
	55	72.4	161.4	20,000*	75.4	160.8	20,000*	78.3	158.9	20,000*	55
	60	70.5	159.7	20,000*	73.5	159.1	20,000*	76.4	157.2	20,000*	60
	65	68.6	157.8	20,000*	71.6	157.2	20,000*	74.5	155.3	20,000*	65
	70	66.7	155.7	20,000*	69.7	155.1	20,000*	72.5	153.1	20,000*	70
	80	62.8	151.0	20,000*	65.7	150.2	20,000*	68.5	148.3	20,000*	80
	90	58.8	145.3	20,000*	61.7	144.6	20,000*	64.4	142.5	20,000*	90
	100	54.5	138.6	20,000*	57.4	137.8	20,000*	60.1	135.7	20,000*	100
	110	50.0	130.8	19,900	52.9	130.0	20,000*	55.5	127.7	20,000*	110
	120	45.2	121.6	17,600	48.1	120.7	17,800				120
130	40.0	110.6	15,600	42.8	109.6	15,800				130	
140	34.1	97.2	13,900							140	
120	35	80.3	176.7	20,000*							35
	40	78.6	175.7	20,000*							40
	45	76.9	174.6	20,000*	79.7	174.0	20,000*				45
	50	75.2	173.4	20,000*	78.0	172.7	20,000*	80.8	170.8	20,000*	50
	55	73.4	171.9	20,000*	76.2	171.2	20,000*	79.0	169.4	20,000*	55
	60	71.7	170.3	20,000*	74.5	169.6	20,000*	77.2	167.7	20,000*	60
	65	69.9	168.5	20,000*	72.7	167.9	20,000*	75.4	165.9	20,000*	65
	70	68.2	166.6	20,000*	70.9	165.9	20,000*	73.6	164.0	20,000*	70
	80	64.5	162.1	20,000*	67.3	161.4	20,000*	69.9	159.4	20,000*	80
	90	60.8	156.9	20,000*	63.5	156.2	20,000*	66.1	154.1	20,000*	90
	100	56.9	150.8	20,000*	59.6	150.0	20,000*	62.1	147.8	20,000*	100
	110	52.8	143.6	19,500	55.5	142.8	19,900	58.0	140.6	20,000*	110
	120	48.5	135.3	17,200	51.1	134.5	17,500	53.5	132.1	17,800	120
130	43.8	125.6	15,200	46.5	124.7	15,500				130	
140	38.8	114.1	13,600	41.4	113.1	13,800				140	
150	33.1	100.2	12,100							150	
130	35	80.8	186.9	20,000*							35
	40	79.2	185.9	20,000*							40
	45	77.6	184.9	20,000*	80.3	184.2	20,000*				45
	50	76.0	183.7	20,000*	78.7	183.0	20,000*				50
	55	74.4	182.3	20,000*	77.0	181.7	20,000*	79.6	179.7	20,000*	55
	60	72.7	180.8	20,000*	75.4	180.1	20,000*	78.0	178.2	20,000*	60
	65	71.1	179.2	20,000*	73.7	178.5	20,000*	76.3	176.5	20,000*	65
	70	69.4	177.3	20,000*	72.0	176.6	20,000*	74.6	174.7	20,000*	70
	80	66.0	173.2	20,000*	68.6	172.5	20,000*	71.1	170.4	20,000*	80
	90	62.5	168.3	20,000*	65.1	167.6	20,000*	67.6	165.5	20,000*	90
	100	58.9	162.6	20,000*	61.5	161.8	20,000*	63.9	159.7	20,000*	100
	110	55.1	156.1	19,000	57.7	155.2	19,400	60.1	153.0	19,800	110
	120	51.2	148.5	16,600	53.7	147.6	17,000	56.0	145.3	17,400	120
130	47.0	139.7	14,700	49.5	138.8	15,000	51.8	136.3	15,300	130	
140	42.6	129.6	13,000	45.0	128.6	13,300				140	
150	37.6	117.6	11,600							150	
160	32.1	103.0	10,300							160	

# MANITOWOC ENGINEERING CO.

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



## LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

## 3900W SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
84,800 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

### 50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	40	79.8	196.1	20,000*							40
	45	78.3	195.1	20,000*	80.8	194.4	20,000*				45
	50	76.7	194.0	20,000*	79.3	193.3	20,000*				50
	55	75.2	192.7	20,000*	77.7	192.0	20,000*	80.2	190.1	20,000*	55
	60	73.7	191.3	20,000*	76.2	190.6	20,000*	78.6	188.6	20,000*	60
	65	72.1	189.7	20,000*	74.6	189.0	20,000*	77.0	187.1	20,000*	65
	70	70.5	188.0	20,000*	73.0	187.3	20,000*	75.4	185.3	20,000*	70
	80	67.3	184.1	20,000*	69.8	183.4	20,000*	72.2	181.3	20,000*	80
	90	64.1	179.5	20,000*	66.5	178.8	20,000*	68.9	176.7	20,000*	90
	100	60.7	174.2	20,000*	63.1	173.4	20,000*	65.4	171.3	20,000*	100
	110	57.2	168.1	18,700	59.6	167.3	19,200	61.9	165.1	19,600	110
	120	53.6	161.2	16,400	56.0	160.3	16,800	58.2	158.0	17,200	120
	130	49.8	153.2	14,400	52.2	152.3	14,800	54.3	149.8	15,100	130
	140	45.7	144.0	12,800	48.1	143.0	13,100				140
	150	41.4	133.4	11,300	43.7	132.3	11,600				150
	160	36.6	120.9	10,100							160
	170	31.2	105.9	9,000							170
150	40	80.3	206.3	20,000*							40
	45	78.9	205.3	20,000*							45
	50	77.4	204.3	20,000*	79.8	203.6	20,000*				50
	55	76.0	203.1	20,000*	78.3	202.3	20,000*	80.7	200.4	20,000*	55
	60	74.5	201.7	20,000*	76.9	201.0	20,000*	79.2	199.0	20,000*	60
	65	73.0	200.2	20,000*	75.4	199.5	20,000*	77.7	197.5	20,000*	65
	70	71.5	198.6	20,000*	73.9	197.9	20,000*	76.2	195.9	20,000*	70
	80	68.5	194.9	20,000*	70.9	194.2	20,000*	73.2	192.1	20,000*	80
	90	65.4	190.6	20,000*	67.8	189.8	20,000*	70.0	187.8	20,000*	90
	100	62.3	185.6	20,000*	64.6	184.9	20,000*	66.8	182.7	20,000*	100
	110	59.0	179.9	18,300	61.3	179.1	18,800	63.5	176.9	19,300	110
	120	55.6	173.5	16,000	57.9	172.6	16,400	60.1	170.3	16,800	120
	130	52.1	166.1	14,000	54.4	165.2	14,400	56.5	162.8	14,800	130
	140	48.4	157.7	12,300	50.7	156.8	12,700	52.7	154.2	13,000	140
	150	44.5	148.1	10,900	46.7	147.1	11,200				150
	160	40.3	137.1	9,700	42.5	136.0	9,900				160
	170	35.7	124.1	8,600							170
160	40	80.8	216.4	20,000*							40
	45	79.4	215.5	20,000*							45
	50	78.0	214.5	20,000*	80.3	213.8	20,000*				50
	55	76.6	213.4	20,000*	78.9	212.6	20,000*				55
	60	75.2	212.1	20,000*	77.5	211.4	20,000*	79.7	209.4	20,000*	60
	65	73.8	210.7	20,000*	76.1	209.9	20,000*	78.3	207.9	20,000*	65
	70	72.4	209.1	20,000*	74.7	208.4	20,000*	76.9	206.4	20,000*	70
	80	69.6	205.6	20,000*	71.8	204.9	20,000*	74.0	202.8	20,000*	80
	90	66.7	201.6	20,000*	68.9	200.8	20,000*	71.0	198.7	20,000*	90
	100	63.7	196.9	20,000*	65.9	196.1	20,000*	68.0	194.0	20,000*	100
	110	60.6	191.5	18,000	62.8	190.7	18,500	64.9	188.5	19,000	110
	120	57.5	185.5	15,600	59.7	184.7	16,100	61.7	182.4	16,600	120
	130	54.2	178.6	13,700	56.4	177.8	14,100	58.4	175.4	14,500	130
	140	50.8	170.9	12,000	53.0	170.0	12,400	54.9	167.5	12,700	140
	150	47.2	162.1	10,600	49.3	161.2	10,900				150
	160	43.4	152.1	9,300	45.5	151.1	9,600				160
	170	39.3	140.6	8,200	41.4	139.5	8,500				170
180	34.8	127.3	7,300							180	

# MANITOWOC ENGINEERING CO.

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



## LIFT CRANE JIB CAPACITIES - 3900W SERIES 2

MEETS  
ANSI B30.5  
REQUIREMENTS

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
84,000 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

### 50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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			
170	45	79.9	225.7	20,000*							45		
	50	78.6	224.7	20,000*	80.7	224.0	20,000*				50		
	55	77.2	223.6	20,000*		79.4	222.9	20,000*			55		
	60	75.9	222.4	20,000*		78.1	221.7	20,000*	80.2	219.7	20,000*	60	
	65	74.6	221.1	20,000*		76.7	220.3	20,000*		78.9	218.3	20,000*	65
	70	73.2	219.6	20,000*		75.4	218.9	20,000*		77.5	216.8	20,000*	70
	80	70.5	216.3	20,000*		72.7	215.5	20,000*		74.8	213.5	20,000*	80
	90	67.8	212.4	20,000*		69.9	211.7	20,000*		72.0	209.6	20,000*	90
	100	64.9	208.0	20,000*		67.1	207.2	20,000*		69.1	205.1	20,000*	100
	110	62.1	203.0	17,500		64.2	202.2	18,100		66.2	199.9	18,700	110
	120	59.1	197.3	15,200		61.2	196.4	15,700		63.2	194.2	16,200	120
	130	56.0	190.9	13,200		58.1	190.0	13,700		60.1	187.6	14,100	130
	140	52.9	183.6	11,500		54.9	182.8	11,900		56.8	180.3	12,300	140
	150	49.5	175.5	10,100		51.6	174.6	10,500		53.4	172.0	10,800	150
	160	46.1	166.4	8,900		48.1	165.4	9,200					160
	170	42.3	156.0	7,800		44.4	155.0	8,000					170
180	38.3	144.1	6,800									180	
190	34.0	130.3	5,900									190	
180	45	80.3	235.9	20,000*							45		
	50	79.1	234.9	20,000*							50		
	55	77.8	233.9	20,000*	79.9	233.2	20,000*				55		
	60	76.5	232.7	20,000*		78.6	232.0	20,000*	80.7	230.0	20,000*	60	
	65	75.3	231.4	20,000*		77.3	230.7	20,000*		79.4	228.7	20,000*	65
	70	74.0	230.1	20,000*		76.1	229.3	20,000*		78.1	227.2	20,000*	70
	80	71.4	226.9	20,000*		73.5	226.1	20,000*		75.5	224.0	20,000*	80
	90	68.8	223.2	20,000*		70.8	222.5	20,000*		72.8	220.3	20,000*	90
	100	66.1	219.0	20,000*		68.1	218.2	20,000*		70.1	216.1	20,000*	100
	110	63.4	214.2	17,300		65.4	213.4	17,900		67.3	211.2	18,500	110
	120	60.6	208.9	14,900		62.6	208.0	15,500		64.5	205.8	16,000	120
	130	57.7	202.8	12,900		59.7	202.0	13,400		61.6	199.6	13,900	130
	140	54.7	196.1	11,300		56.7	195.2	11,700		58.5	192.8	12,100	140
	150	51.6	188.5	9,800		53.6	187.6	10,200		55.4	185.1	10,600	150
	160	48.4	180.1	8,600		50.4	179.1	8,900		52.1	176.4	9,200	160
	170	45.0	170.6	7,500		46.9	169.5	7,800					170
180	41.4	159.8	6,500		43.3	158.7	6,800					180	
190	37.5	147.6	5,700									190	
200	33.2	133.3	4,900									200	
190	45	80.7	246.0	20,000*							45		
	50	79.5	245.1	20,000*							50		
	55	78.3	244.1	20,000*	80.3	243.4	20,000*				55		
	60	77.1	243.0	20,000*		79.1	242.3	20,000*				60	
	65	75.9	241.8	20,000*		77.9	241.0	20,000*				65	
	70	74.7	240.4	20,000*		76.6	239.7	20,000*	79.8	239.0	20,000*	70	
	80	72.2	237.4	20,000*		74.2	236.7	20,000*		78.6	237.6	20,000*	80
	90	69.7	233.9	20,000*		71.7	233.2	20,000*		76.1	234.6	20,000*	90
	100	67.1	229.9	19,800		69.1	229.1	20,000*		73.6	231.0	20,000*	100
	110	64.5	225.4	16,900		66.5	224.6	17,500		71.0	227.0	20,000*	110
	120	61.9	220.3	14,500		63.8	219.5	15,100		68.4	222.4	18,200	120
	130	59.2	214.6	12,600		61.1	213.8	13,100		65.7	217.2	15,700	130
	140	56.4	208.2	10,900		58.3	207.4	11,300		62.9	211.4	13,600	140
	150	53.5	201.2	9,500		55.4	200.3	9,900		60.1	205.0	11,800	150
	160	50.5	193.3	8,200		52.4	192.3	8,600		57.1	197.8	10,200	160
	170	47.3	184.5	7,100		49.2	183.5	7,400		54.0	189.7	8,900	170
180	44.0	174.6	6,100		45.9	173.6	6,400					180	
190	40.5	163.5	5,300		42.3	162.4	5,500					190	
200	36.7	150.9	4,500									200	
210	32.5	136.3	3,800									210	

# MANITOWOC ENGINEERING CO.

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



## LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

## 3900W SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
84,800 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

### 50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	50	79.9	255.3	20,000							50
	55	78.8	254.3	20,000	80.7	253.6	20,000				55
	60	77.6	253.3	20,000	79.5	252.5	20,000				60
	65	76.5	252.1	20,000	78.4	251.3	20,000	80.2	249.3	20,000	65
	70	75.3	250.8	20,000	77.2	250.1	20,000	79.1	248.0	20,000	70
	80	72.9	247.9	20,000	74.8	247.2	20,000	76.7	245.0	20,000	80
	90	70.5	244.6	20,000	72.4	243.8	20,000	74.3	241.7	20,000	90
	100	68.1	240.8	19,500	70.0	240.0	20,000	71.8	237.8	20,000	100
	110	65.6	236.4	16,700	67.5	235.6	17,300	69.3	233.4	18,000	110
	120	63.1	231.6	14,300	65.0	230.8	14,900	66.7	228.5	15,500	120
	130	60.5	226.2	12,300	62.4	225.3	12,900	64.1	223.0	13,400	130
	140	57.9	220.2	10,700	59.7	219.3	11,100	61.4	216.9	11,600	140
	150	55.1	213.5	9,200	57.0	212.6	9,600	58.7	210.1	10,000	150
	160	52.3	206.1	8,000	54.1	205.2	8,300	55.8	202.6	8,700	160
170	49.4	197.9	6,900	51.2	196.9	7,200	52.8	194.3	7,500	170	
180	46.3	188.8	5,900	48.1	187.8	6,200				180	
190	43.1	178.6	5,000	44.9	177.5	5,300				190	
200	39.6	167.2	4,300	41.4	166.0	4,500				200	
210	35.9	154.1	3,600							210	
210	50	80.3	265.4	20,000							50
	55	79.2	264.5	20,000							55
	60	78.1	263.5	20,000	79.9	262.7	20,000				60
	65	77.0	262.4	20,000	78.8	261.6	20,000	80.6	259.5	20,000	65
	70	75.9	261.1	20,000	77.7	260.4	20,000	79.5	258.3	20,000	70
	80	73.6	258.4	20,000	75.4	257.6	20,000	77.2	255.5	20,000	80
	90	71.3	255.2	20,000	73.1	254.4	20,000	74.9	252.2	20,000	90
	100	69.0	251.5	19,100	70.8	250.7	19,900	72.5	248.5	20,000	100
	110	66.6	247.4	16,300	68.4	246.6	17,000	70.1	244.4	17,700	110
	120	64.2	242.8	13,900	66.0	242.0	14,500	67.7	239.7	15,100	120
	130	61.8	237.6	11,900	63.5	236.8	12,500	65.2	234.5	13,000	130
	140	59.2	231.9	10,300	61.0	231.1	10,800	62.7	228.7	11,200	140
	150	56.7	225.6	8,800	58.4	224.7	9,300	60.1	222.3	9,700	150
	160	54.0	218.6	7,600	55.8	217.7	8,000	57.3	215.2	8,300	160
170	51.2	210.9	6,500	53.0	210.0	6,800	54.5	207.4	7,200	170	
180	48.4	202.4	5,500	50.1	201.4	5,800	51.6	198.7	6,100	180	
190	45.4	193.0	4,600	47.1	191.9	4,900				190	
200	42.2	182.5	3,900	43.9	181.4	4,100				200	
210	38.8	170.7	3,200							210	
220	50	80.7	275.6	20,000							50
	55	79.6	274.7	20,000							55
	60	78.5	273.7	20,000	80.3	273.0	20,000				60
	65	77.5	272.6	20,000	79.2	271.9	20,000	81.0	269.8	20,000	65
	70	76.4	271.5	20,000	78.2	270.7	20,000	79.9	268.6	20,000	70
	80	74.2	268.8	20,000	76.0	268.0	20,000	77.7	265.9	20,000	80
	90	72.0	265.7	20,000	73.8	264.9	20,000	75.5	262.8	20,000	90
	100	69.8	262.2	18,900	71.5	261.4	19,700	73.2	259.2	20,000	100
	110	67.5	258.3	16,000	69.3	257.5	16,800	70.9	255.2	17,500	110
	120	65.2	253.9	13,700	67.0	253.0	14,300	68.6	250.8	14,900	120
	130	62.9	248.9	11,700	64.6	248.1	12,300	66.2	245.8	12,800	130
	140	60.5	243.5	10,000	62.2	242.7	10,500	63.8	240.3	11,000	140
	150	58.0	237.5	8,600	59.7	236.6	9,000	61.3	234.2	9,500	150
	160	55.5	230.9	7,300	57.2	230.0	7,700	58.8	227.5	8,100	160
170	52.9	223.6	6,200	54.6	222.7	6,600	56.1	220.1	7,000	170	
180	50.2	215.7	5,300	51.9	214.7	5,600	53.4	212.0	5,900	180	
190	47.4	206.8	4,400	49.1	205.8	4,700				190	
200	44.5	197.1	3,600	46.1	196.0	3,900				200	
210				43.0	185.1	3,200				210	

# MANITOWOC ENGINEERING CO.

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



## LIFT CRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

## 3900W SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
84,000 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

### 50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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 3 0	55	80.0	284.9	20,000*							55
	60	79.0	283.9	20,000*	80.7	283.2	20,000*				60
	65	77.9	282.9	20,000*	79.6	282.1	20,000*				65
	70	76.9	281.7	20,000*	78.6	281.0	20,000*	80.3	278.9	20,000*	70
	80	74.8	279.2	20,000*	76.5	278.4	20,000*	78.2	276.3	20,000*	80
	90	72.7	276.2	20,000*	74.4	275.4	20,000*	76.0	273.3	20,000*	90
	100	70.5	272.9	18,500	72.2	272.1	19,400	73.8	269.9	20,000*	100
	110	68.4	269.1	15,700	70.0	268.3	16,400	71.7	266.0	17,200	110
	120	66.2	264.8	13,300	67.8	264.0	14,000	69.4	261.8	14,600	120
	130	63.9	260.1	11,300	65.6	259.3	11,900	67.2	257.0	12,500	130
	140	61.6	255.0	9,600	63.3	254.1	10,200	64.8	251.7	10,700	140
	150	59.3	249.2	8,200	60.9	248.4	8,700	62.5	246.0	9,200	150
	160	56.9	243.0	6,900	58.5	242.1	7,400	60.0	239.6	7,800	160
	170	54.4	236.1	5,800	56.1	235.2	6,200	57.5	232.6	6,600	170
	180	51.9	228.5	4,900	53.5	227.6	5,200	55.0	224.9	5,600	180
	190	49.3	220.3	4,000	50.9	219.3	4,300	52.3	216.5	4,600	190
	200	46.5	211.2	3,200	48.1	210.1	3,500				200

REFER TO ORIGINAL

# MANITOWOC ENGINEERING CO.

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



## LIFT CRANE JIB CAPACITIES - 3900W SERIES 2

JIB NO. 123 WITH 12'8" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
84,600 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

### 60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	
100	35	79.3	166.5	10,000*							35
	40	77.5	165.5	10,000*							40
	45	75.7	164.3	10,000*	79.3	163.8	10,000*				45
	50	73.9	163.0	10,000*	77.5	162.4	10,000*				50
	55	72.0	161.4	10,000*	75.6	160.9	10,000*	79.1	159.0	10,000*	55
	60	70.2	159.7	10,000*	73.7	159.1	10,000*	77.2	157.3	10,000*	60
	65	68.3	157.8	10,000*	71.8	157.2	10,000*	75.3	155.4	10,000*	65
	70	66.4	155.8	10,000*	69.9	155.1	10,000*	73.4	153.2	10,000*	70
	80	62.5	151.0	10,000*	66.0	150.3	10,000*	69.4	148.4	10,000*	80
	90	58.4	145.3	10,000*	61.9	144.6	10,000*	65.3	142.6	10,000*	90
	100	54.2	138.6	10,000*	57.7	137.9	10,000*	61.0	135.8	10,000*	100
	110	49.7	130.8	10,000*	53.2	130.1	10,000*	56.4	127.8	10,000*	110
	120	44.9	121.6	10,000*	48.3	120.8	10,000*	51.4	118.3	10,000*	120
	130	39.7	110.6	10,000*	43.0	109.7	10,000*				130
140	33.8	97.2	10,000*							140	
110	35	80.0	176.7	10,000*							35
	40	78.3	175.7	10,000*							40
	45	76.6	174.6	10,000*	79.9	174.0	10,000*				45
	50	74.8	173.4	10,000*	78.2	172.8	10,000*				50
	55	73.1	171.9	10,000*	76.5	171.3	10,000*	79.8	169.4	10,000*	55
	60	71.4	170.3	10,000*	74.7	169.7	10,000*	78.0	167.8	10,000*	60
	65	69.6	168.6	10,000*	73.0	167.9	10,000*	76.2	166.0	10,000*	65
	70	67.8	166.6	10,000*	71.2	166.0	10,000*	74.4	164.0	10,000*	70
	80	64.2	162.2	10,000*	67.5	161.5	10,000*	70.7	159.5	10,000*	80
	90	60.4	156.9	10,000*	63.7	156.3	10,000*	66.9	154.2	10,000*	90
	100	56.6	150.8	10,000*	59.8	150.1	10,000*	62.9	147.9	10,000*	100
	110	52.5	143.7	10,000*	55.7	142.9	10,000*	58.8	140.6	10,000*	110
	120	48.2	135.4	10,000*	51.4	134.6	10,000*	54.4	132.1	10,000*	120
	130	43.5	125.6	10,000*	46.7	124.8	10,000*				130
	140	38.5	114.1	10,000*	41.6	113.2	10,000*				140
150	32.7	100.2	10,000*							150	
120	35	80.5	186.9	10,000*							35
	40	78.9	186.0	10,000*							40
	45	77.3	184.9	10,000*	80.5	184.3	10,000*				45
	50	75.7	183.7	10,000*	78.9	183.1	10,000*				50
	55	74.1	182.3	10,000*	77.2	181.7	10,000*	80.4	179.8	10,000*	55
	60	72.4	180.8	10,000*	75.6	180.2	10,000*	78.7	178.3	10,000*	60
	65	70.8	179.2	10,000*	73.9	178.6	10,000*	77.1	176.6	10,000*	65
	70	69.1	177.4	10,000*	72.3	176.7	10,000*	75.4	174.7	10,000*	70
	80	65.7	173.2	10,000*	68.8	172.5	10,000*	71.9	170.5	10,000*	80
	90	62.2	168.3	10,000*	65.3	167.6	10,000*	68.3	165.5	10,000*	90
	100	58.6	162.6	10,000*	61.7	161.9	10,000*	64.7	159.8	10,000*	100
	110	54.8	156.1	10,000*	57.9	155.3	10,000*	60.8	153.1	10,000*	110
	120	50.9	148.5	10,000*	54.0	147.7	10,000*	56.8	145.3	10,000*	120
	130	46.7	139.7	10,000*	49.8	138.9	10,000*	52.5	136.4	10,000*	130
	140	42.3	129.6	10,000*	45.3	128.7	10,000*				140
150	37.3	117.6	10,000*	40.3	116.6	10,000*				150	
160	31.8	103.1	10,000*							160	
130	40	79.5	196.1	10,000*							40
	45	78.0	195.1	10,000*	81.0	194.5	10,000*				45
	50	76.5	194.0	10,000*	79.5	193.4	10,000*				50
	55	74.9	192.7	10,000*	77.9	192.1	10,000*	80.9	190.1	10,000*	55
	60	73.4	191.3	10,000*	76.4	190.7	10,000*	79.3	188.7	10,000*	60
	65	71.8	189.7	10,000*	74.8	189.1	10,000*	77.8	187.1	10,000*	65
	70	70.2	188.0	10,000*	73.2	187.4	10,000*	76.2	185.4	10,000*	70
	80	67.0	184.1	10,000*	70.0	183.5	10,000*	72.9	181.4	10,000*	80
	90	63.8	179.5	10,000*	66.7	178.9	10,000*	69.6	176.7	10,000*	90
	100	60.4	174.2	10,000*	63.3	173.5	10,000*	66.2	171.3	10,000*	100
	110	56.9	168.1	10,000*	59.8	167.4	10,000*	62.6	165.1	10,000*	110
	120	53.3	161.2	10,000*	56.2	160.4	10,000*	58.9	158.0	10,000*	120
	130	49.5	153.2	10,000*	52.4	152.4	10,000*	55.0	149.9	10,000*	130
	140	45.4	144.0	10,000*	48.3	143.2	10,000*	50.9	140.5	10,000*	140
	150	41.1	133.4	10,000*	43.9	132.5	10,000*				150
160	36.3	120.9	10,000*							160	
170	31.0	105.9	9,200							170	

# MANITOWOC ENGINEERING CO.

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



## LIFTCRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

## 3900W SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON  
ROOM NO. 9A WITH OPEN THROAT TOP  
84,800 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

### 60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	40	80.0	206.3	10,000*							40
	45	78.6	205.3	10,000*							45
	50	77.1	204.3	10,000*	80.0	203.6	10,000*				50
	55	75.7	203.1	10,000*	78.5	202.4	10,000*				55
	60	74.2	201.7	10,000*	77.1	201.1	10,000*	79.9	199.1	10,000*	60
	65	72.7	200.2	10,000*	75.6	199.6	10,000*	78.4	197.6	10,000*	65
	70	71.3	198.6	10,000*	74.1	198.0	10,000*	76.9	195.9	10,000*	70
	80	68.2	194.9	10,000*	71.1	194.3	10,000*	73.8	192.2	10,000*	80
	90	65.2	190.6	10,000*	68.0	189.9	10,000*	70.7	187.8	10,000*	90
	100	62.0	185.6	10,000*	64.8	184.9	10,000*	67.5	182.7	10,000*	100
	110	58.7	180.0	10,000*	61.5	179.2	10,000*	64.2	176.9	10,000*	110
	120	55.4	173.5	10,000*	58.1	172.7	10,000*	60.7	170.3	10,000*	120
	130	51.9	166.1	10,000*	54.6	165.3	10,000*	57.2	162.8	10,000*	130
	140	48.2	157.7	10,000*	50.9	156.9	10,000*	53.4	154.3	10,000*	140
	150	44.2	148.1	10,000*	47.0	147.2	10,000*				150
	160	40.0	137.1	10,000*	42.7	136.1	10,000*				160
	170	35.4	124.1	9,000							170
	180	30.2	108.6	8,000							180
150	40	80.5	216.4	10,000*							40
	45	79.1	215.5	10,000*							45
	50	77.8	214.5	10,000*	80.5	213.9	10,000*				50
	55	76.4	213.4	10,000*	79.1	212.7	10,000*				55
	60	75.0	212.1	10,000*	77.7	211.4	10,000*	80.4	209.4	10,000*	60
	65	73.6	210.7	10,000*	76.3	210.0	10,000*	79.0	208.0	10,000*	65
	70	72.2	209.1	10,000*	74.9	208.5	10,000*	77.5	206.4	10,000*	70
	80	69.3	205.6	10,000*	72.0	205.0	10,000*	74.6	202.9	10,000*	80
	90	66.4	201.6	10,000*	69.1	200.9	10,000*	71.7	198.7	10,000*	90
	100	63.4	196.9	10,000*	66.1	196.2	10,000*	68.7	194.0	10,000*	100
	110	60.4	191.6	10,000*	63.0	190.8	10,000*	65.6	188.5	10,000*	110
	120	57.2	185.5	10,000*	59.9	184.7	10,000*	62.4	182.4	10,000*	120
	130	53.9	178.6	10,000*	56.6	177.9	10,000*	59.0	175.4	10,000*	130
	140	50.5	170.9	10,000*	53.2	170.1	10,000*	55.6	167.5	10,000*	140
	150	46.9	162.1	10,000*	49.5	161.3	10,000*	51.9	158.5	10,000*	150
	160	43.1	152.1	9,700	45.7	151.2	10,000*				160
	170	39.0	140.7	8,600	41.6	139.7	8,800				170
	180	34.5	127.3	7,600							180
160	40	80.9	226.6	10,000*							40
	45	79.6	225.7	10,000*							45
	50	78.3	224.7	10,000*	80.9	224.1	10,000*				50
	55	77.0	223.6	10,000*	79.6	223.0	10,000*				55
	60	75.7	222.4	10,000*	78.3	221.8	10,000*	80.8	219.7	10,000*	60
	65	74.3	221.1	10,000*	76.9	220.4	10,000*	79.5	218.3	10,000*	65
	70	73.0	219.6	10,000*	75.6	219.0	10,000*	78.1	216.8	10,000*	70
	80	70.3	216.3	10,000*	72.9	215.6	10,000*	75.4	213.5	10,000*	80
	90	67.5	212.4	10,000*	70.1	211.8	10,000*	72.6	209.6	10,000*	90
	100	64.7	208.0	10,000*	67.3	207.3	10,000*	69.7	205.1	10,000*	100
	110	61.8	203.0	10,000*	64.4	202.2	10,000*	66.8	200.0	10,000*	110
	120	58.9	197.3	10,000*	61.4	196.5	10,000*	63.8	194.2	10,000*	120
	130	55.8	190.9	10,000*	58.3	190.1	10,000*	60.7	187.6	10,000*	130
	140	52.6	183.7	10,000*	55.1	182.8	10,000*	57.4	180.3	10,000*	140
	150	49.3	175.5	10,000*	51.8	174.7	10,000*	54.1	172.0	10,000*	150
	160	45.8	166.4	9,300	48.3	165.5	9,700	50.5	162.7	10,000*	160
	170	42.1	156.0	8,200	44.6	155.1	8,500				170
	180	38.1	144.2	7,300	40.5	143.1	7,500				180
190	33.7	130.3	6,400							190	



# MANITOWOC ENGINEERING CO.

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



## LIFT CRANE JIB CAPACITIES - 3900W SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
84,600 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

MEETS  
ANSI B30.5  
REQUIREMENTS

### 60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	
170	45	80.1	235.9	10,000*							45
	50	78.8	234.9	10,000*							50
	55	77.6	233.9	10,000*	80.0	233.2	10,000*				55
	60	76.3	232.7	10,000*	78.8	232.1	10,000*				60
	65	75.0	231.5	10,000*	77.5	230.8	10,000*	80.0	228.7	10,000*	65
	70	73.7	230.1	10,000*	76.2	229.4	10,000*	78.7	227.2	10,000*	70
	80	71.2	226.9	10,000*	73.6	226.2	10,000*	76.1	224.0	10,000*	80
	90	68.5	223.2	10,000*	71.0	222.5	10,000*	73.4	220.3	10,000*	90
	100	65.9	219.0	10,000*	68.3	218.3	10,000*	70.7	216.1	10,000*	100
	110	63.1	214.3	10,000*	65.6	213.5	10,000*	67.9	211.2	10,000*	110
	120	60.3	208.9	10,000*	62.8	208.1	10,000*	65.1	205.8	10,000*	120
	130	57.5	202.8	10,000*	59.9	202.1	10,000*	62.1	199.6	10,000*	130
	140	54.5	196.1	10,000*	56.9	195.3	10,000*	59.1	192.8	10,000*	140
	150	51.4	188.5	10,000*	53.8	187.7	10,000*	56.0	185.1	10,000*	150
	160	48.2	180.1	8,900	50.5	179.2	9,200	52.7	176.4	9,600	160
	170	44.8	170.6	7,800	47.1	169.6	8,100				170
	180	41.1	159.8	6,800	43.5	158.8	7,100				180
	190	37.2	147.6	6,000							190
	200	33.0	133.3	5,200							200
	180	45	80.5	246.0	10,000*						
50		79.3	245.1	10,000*							50
55		78.1	244.1	10,000*	80.5	243.5	10,000*				55
60		76.9	243.0	10,000*	79.3	242.3	10,000*				60
65		75.7	241.8	10,000*	78.0	241.1	10,000*	80.4	239.0	10,000*	65
70		74.4	240.5	10,000*	76.8	239.8	10,000*	79.2	237.6	10,000*	70
80		72.0	237.4	10,000*	74.3	236.7	10,000*	76.7	234.6	10,000*	80
90		69.5	233.9	10,000*	71.8	233.2	10,000*	74.1	231.0	10,000*	90
100		66.9	229.9	10,000*	69.3	229.2	10,000*	71.5	227.0	10,000*	100
110		64.3	225.4	10,000*	66.7	224.7	10,000*	68.9	222.4	10,000*	110
120		61.7	220.3	10,000*	64.0	219.6	10,000*	66.2	217.2	10,000*	120
130		58.9	214.6	10,000*	61.3	213.8	10,000*	63.5	211.4	10,000*	130
140		56.1	208.2	10,000*	58.5	207.5	10,000*	60.6	204.9	10,000*	140
150		53.3	201.2	9,800	55.6	200.3	10,000*	57.7	197.7	10,000*	150
160		50.2	193.3	8,600	52.5	192.4	9,000	54.6	189.7	9,400	160
170		47.1	184.5	7,500	49.4	183.6	7,900	51.4	180.7	8,200	170
180		43.8	174.6	6,500	46.0	173.7	6,800				180
190		40.3	163.5	5,700	42.5	162.5	5,900				190
200		36.4	150.9	4,900							200
210		32.3	136.3	4,200							210
190	45	80.9	256.2	10,000*							45
	50	79.7	255.3	10,000*							50
	55	78.6	254.3	10,000*	80.9	253.7	10,000*				55
	60	77.4	253.3	10,000*	79.7	252.6	10,000*				60
	65	76.2	252.1	10,000*	78.5	251.4	10,000*	80.8	249.2	10,000*	65
	70	75.1	250.8	10,000*	77.3	250.1	10,000*	79.6	248.0	10,000*	70
	80	72.7	247.9	10,000*	75.0	247.2	10,000*	77.2	245.0	10,000*	80
	90	70.3	244.6	10,000*	72.6	243.9	10,000*	74.8	241.6	10,000*	90
	100	67.9	240.8	10,000*	70.1	240.0	10,000*	72.3	237.8	10,000*	100
	110	65.4	236.4	10,000*	67.7	235.7	10,000*	69.8	233.4	10,000*	110
	120	62.9	231.6	10,000*	65.1	230.9	10,000*	67.3	228.5	10,000*	120
	130	60.3	226.2	10,000*	62.5	225.4	10,000*	64.7	223.0	10,000*	130
	140	57.7	220.2	10,000*	59.9	219.4	10,000*	62.0	216.9	10,000*	140
	150	54.9	213.5	9,400	57.1	212.7	9,900	59.2	210.1	10,000*	150
	160	52.1	206.1	8,200	54.3	205.3	8,600	56.3	202.6	9,000	160
	170	49.2	197.9	7,100	51.4	197.0	7,500	53.3	194.2	7,900	170
	180	46.1	188.8	6,100	48.3	187.9	6,500	50.2	184.9	6,800	180
	190	42.9	178.6	5,300	45.0	177.6	5,600				190
	200	39.4	167.2	4,500	41.6	166.1	4,800				200
	210	35.7	154.2	3,800							210
220	31.6	139.1	3,200							220	

# MANITOWOC ENGINEERING CO.

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## LIFTCRANE JIB CAPACITIES

MEETS  
ANSI B30.5  
REQUIREMENTS

## 3900W SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON  
BOOM NO. 9A WITH OPEN THROAT TOP  
84,600 LB. COUNTERWEIGHT  
24' CRAWLERS EXTENDED  
360 DEGREE RATING

### 60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 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	50	80.1	265.5	10,000							50
	55	79.0	264.5	10,000							55
	60	77.9	263.5	10,000	80.1	262.8	10,000				60
	65	76.8	262.4	10,000	79.0	261.7	10,000				65
	70	75.6	261.2	10,000	77.8	260.5	10,000	80.0	258.3	10,000	70
	80	73.4	258.4	10,000	75.6	257.7	10,000	77.7	255.5	10,000	80
	90	71.1	255.2	10,000	73.3	254.5	10,000	75.4	252.2	10,000	90
	100	68.8	251.5	10,000	70.9	250.8	10,000	73.1	248.5	10,000	100
	110	66.4	247.4	10,000	68.6	246.7	10,000	70.7	244.3	10,000	110
	120	64.0	242.8	10,000	66.2	242.0	10,000	68.2	239.7	10,000	120
	130	61.5	237.6	10,000	63.7	236.9	10,000	65.7	234.4	10,000	130
	140	59.0	231.9	10,000	61.2	231.1	10,000	63.2	228.6	10,000	140
150	56.4	225.6	9,200	58.6	224.8	9,700	60.6	222.2	10,000	150	
160	53.8	218.6	8,000	55.9	217.8	8,400	57.9	215.2	8,800	160	
170	51.0	210.9	6,900	53.1	210.1	7,300	55.1	207.3	7,700	170	
180	48.2	202.4	5,900	50.3	201.5	6,300	52.1	198.7	6,600	180	
190	45.2	193.0	5,000	47.3	192.0	5,400				190	
200	42.0	182.5	4,300	44.1	181.5	4,600				200	
210	38.6	170.7	3,600	40.7	169.6	3,800				210	
210	50	80.5	275.6	10,000							50
	55	79.4	274.7	10,000							55
	60	78.3	273.7	10,000	80.5	273.0	10,000				60
	65	77.3	272.6	10,000	79.4	271.9	10,000				65
	70	76.2	271.5	10,000	78.3	270.8	10,000	80.4	268.5	10,000	70
	80	74.0	268.8	10,000	76.1	268.1	10,000	78.2	265.9	10,000	80
	90	71.8	265.7	10,000	73.9	265.0	10,000	76.0	262.7	10,000	90
	100	69.6	262.2	10,000	71.7	261.5	10,000	73.7	259.2	10,000	100
	110	67.3	258.3	10,000	69.4	257.5	10,000	71.4	255.2	10,000	110
	120	65.0	253.9	10,000	67.1	253.1	10,000	69.1	250.7	10,000	120
	130	62.7	248.9	10,000	64.8	248.2	10,000	66.7	245.8	10,000	130
	140	60.3	243.5	10,000	62.4	242.7	10,000	64.3	240.2	10,000	140
150	57.8	237.5	8,800	59.9	236.7	9,300	61.8	234.2	9,800	150	
160	55.3	230.9	7,500	57.4	230.1	8,000	59.3	227.5	8,500	160	
170	52.7	223.7	6,500	54.8	222.8	6,900	56.6	220.1	7,300	170	
180	50.0	215.7	5,500	52.1	214.8	5,900	53.9	211.9	6,300	180	
190	47.2	206.9	4,600	49.2	205.9	5,000	51.0	203.0	5,300	190	
200	44.3	197.1	3,900	46.3	196.1	4,200				200	
210	41.2	186.3	3,200	43.2	185.2	3,500				210	
220	50	80.8	285.7	10,000							50
	55	79.8	284.9	10,000							55
	60	78.8	283.9	10,000	80.8	283.2	10,000				60
	65	77.7	282.9	10,000	79.8	282.2	10,000				65
	70	76.7	281.8	10,000	78.7	281.0	10,000	80.7	278.8	10,000	70
	80	74.6	279.2	10,000	76.6	278.5	10,000	78.6	276.2	10,000	80
	90	72.5	276.2	10,000	74.5	275.5	10,000	76.5	273.2	10,000	90
	100	70.3	272.9	10,000	72.4	272.1	10,000	74.3	269.8	10,000	100
	110	68.2	269.1	10,000	70.2	268.3	10,000	72.1	266.0	10,000	110
	120	66.0	264.9	10,000	68.0	264.1	10,000	69.9	261.7	10,000	120
	130	63.7	260.2	10,000	65.7	259.4	10,000	67.6	257.0	10,000	130
	140	61.4	255.0	10,000	63.4	254.2	10,000	65.3	251.7	10,000	140
150	59.1	249.3	8,500	61.1	248.4	9,100	63.0	245.9	9,600	150	
160	56.7	243.0	7,300	58.7	242.2	7,800	60.5	239.5	8,300	160	
170	54.2	236.1	6,200	56.2	235.2	6,700	58.0	232.6	7,100	170	
180	51.7	228.6	5,200	53.7	227.7	5,700	55.4	224.9	6,000	180	
190	49.1	220.3	4,400	51.0	219.4	4,800	52.8	216.5	5,100	190	
200	46.3	211.2	3,600	48.3	210.2	4,000				200	
210				45.4	200.1	3,200				210	