

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
OFFSET 4-1/2 DEGREES
84,600 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED
360 DEGREE RATING

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 6705-C. 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	35	78.9	135.8	40,000*							35
	40	76.7	134.5	40,000*	78.8	133.8	40,000*	80.9	132.3	40,000*	40
	45	74.4	132.9	40,000*	76.6	132.2	40,000*	78.6	130.8	40,000*	45
	50	72.1	131.2	40,000*	74.3	130.5	40,000*	76.3	129.0	40,000*	50
	55	69.8	129.2	40,000*	71.9	128.5	40,000*	74.0	127.0	40,000*	55
	60	67.5	127.0	40,000*	69.6	126.3	40,000*	71.5	124.8	40,000*	60
	65	65.0	124.6	40,000*	67.1	123.8	40,000*	69.1	122.2	38,900*	65
	70	62.6	121.8	37,100	64.7	121.1	37,500	66.6	119.5	37,400*	70
	75	60.1	118.8	33,900	62.1	118.0	34,300	64.0	116.4	34,600	75
	80	57.5	115.5	31,100	59.5	114.7	31,400	61.3	113.0	31,700	80
	90	52.0	107.8	26,600	54.0	106.9	26,800				90
110	100	46.0	98.3	23,000	48.0	97.3	23,200				100
	110	39.4	86.5	20,200							110
120	35	79.7	146.0	40,000*							35
	40	77.6	144.8	40,000*	79.7	144.1	40,000*	79.5	141.2	40,000*	40
	45	75.6	143.4	40,000*	77.6	142.7	40,000*	77.3	139.6	40,000*	45
	50	73.4	141.8	40,000*	75.4	141.1	40,000*	75.2	137.7	40,000*	50
	55	71.3	140.0	40,000*	73.3	139.3	40,000*	73.0	135.7	40,000*	55
	60	69.1	138.0	40,000*	71.1	137.2	40,000*	70.7	133.4	40,000*	60
	65	66.9	135.7	40,000*	68.9	135.0	40,000*	68.4	130.8	37,600	65
	70	64.7	133.2	36,700	66.6	132.5	37,200	66.1	128.0	34,200	70
	75	62.4	130.5	33,500	64.3	129.7	33,900	63.7	125.0	31,400	75
	80	60.1	127.5	30,700	62.0	126.7	31,100	58.7	117.9	26,700	80
	90	55.2	120.6	26,200	57.0	119.7	26,500				90
110	100	49.9	112.3	22,600	51.8	111.3	22,900				100
	110	44.2	102.2	19,800	46.0	101.2	19,900				110
	120	37.8	89.7	17,400							120

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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	35	80.4	155.2	40,000*							35
	40	78.5	155.1	40,000*	80.4	154.4	40,000*				40
	45	76.5	153.8	40,000*		153.1	40,000*	80.2	151.6	40,000*	45
	50	74.6	152.3	40,000*	76.4	151.6	40,000*	78.2	150.0	40,000*	50
	55	72.6	150.6	40,000*	74.4	149.9	40,000*	76.2	148.3	40,000*	55
	60	70.6	148.8	40,000*	72.4	148.0	40,000*	74.2	146.4	40,000*	60
	65	68.5	146.7	40,000*	70.4	145.9	40,000*	72.1	144.3	39,800*	65
	70	66.5	144.4	36,400	68.3	143.6	36,900	70.0	142.0	37,300	70
	75	64.4	141.9	33,200	66.2	141.1	33,600	67.9	139.4	34,000	75
	80	62.2	139.1	30,400	64.0	138.3	30,800	65.7	136.6	31,100	80
	90	57.8	132.9	25,800	59.6	132.0	26,100	61.2	130.2	26,400	90
	100	53.1	125.4	22,300	54.9	124.5	22,500	56.4	122.6	22,700	100
	110	48.1	116.6	19,400	49.8	115.6	19,600				110
	120	42.6	106.0	17,000							120
	130	36.4	92.9	15,100							130
130	40	79.2	165.4	40,000*	81.0	164.6	40,000*	80.8	161.9	40,000*	40
	45	77.4	164.2	40,000*	79.1	163.4	40,000*				45
	50	75.5	162.8	40,000*	77.3	162.0	40,000*	79.0	160.5	40,000*	50
	55	73.7	161.2	40,000*	75.4	160.5	40,000*	77.1	158.9	40,000*	55
	60	71.8	159.5	40,000*	73.6	158.7	40,000*	75.2	157.1	39,800*	60
	65	69.9	157.5	39,700	71.7	156.8	40,000*	73.3	155.1	38,200*	65
	70	68.0	155.4	35,900	69.7	154.6	36,400	71.3	153.0	36,700*	70
	75	66.1	153.1	32,600	67.8	152.3	33,100	69.4	150.6	33,500*	75
	80	64.1	150.6	29,800	65.8	149.7	30,300	67.4	148.0	30,600	80
	90	60.0	144.8	25,300	61.7	144.0	25,600	63.2	142.2	25,900	90
	100	55.8	138.0	21,700	57.4	137.2	22,000	58.9	135.3	22,300	100
	110	51.3	130.1	18,800	52.9	129.2	19,100				110
	120	46.5	120.7	16,500	48.0	119.7	16,700				120
	130	41.2	109.6	14,500							130
140	40	79.8	175.6	40,000*	79.8	173.7	40,000*				40
	45	78.1	174.5	40,000*		172.4	40,000*	79.7	170.8	40,000*	45
	50	76.4	173.2	40,000*	78.1	172.4	40,000*				50
	55	74.7	171.7	40,000*	76.3	170.9	40,000*	77.9	169.3	39,900*	55
	60	72.9	170.1	40,000*	74.6	169.3	40,000*	76.1	167.7	38,200*	60
	65	71.2	168.3	39,500	72.8	167.5	39,800*	74.3	165.9	36,700*	65
	70	69.4	166.3	35,600	71.0	165.5	36,200	72.5	163.8	35,300*	70
	75	67.6	164.1	32,400	69.2	163.3	32,900	70.7	161.6	33,400*	75
	80	65.7	161.8	29,600	67.3	161.0	30,100	68.8	159.3	30,500	80
	90	62.0	156.5	25,100	63.6	155.6	25,400	65.0	153.8	25,800	90
	100	58.1	150.2	21,500	59.6	149.4	21,800	61.0	147.5	22,100	100
	110	54.0	143.0	18,600	55.5	142.1	18,900	56.8	140.1	19,100	110
	120	49.6	134.6	16,300	51.1	133.6	16,500				120
	130	45.0	124.7	14,300	46.4	123.7	14,500				130
	140	39.9	113.1	12,600							140
150	40	80.4	185.8	40,000*	80.4	184.0	40,000*				40
	45	78.8	184.7	40,000*		182.7	40,000*	80.2	181.1	40,000*	45
	50	77.2	183.5	40,000*	78.7	182.7	40,000*				50
	55	75.5	182.1	40,000*	77.1	181.4	40,000*	78.6	179.7	38,600*	55
	60	73.9	180.6	40,000*	75.5	179.8	40,000*	76.9	178.2	36,900*	60
	65	72.2	178.9	39,100	73.8	178.1	38,600*	75.2	176.5	35,500*	65
	70	70.6	177.1	35,300	72.1	176.3	35,800	73.6	174.6	34,100*	70
	75	68.9	175.0	32,000	70.4	174.2	32,600	71.8	172.5	32,900*	75
	80	67.2	172.8	29,200	68.7	172.0	29,700	70.1	170.3	30,200	80
	90	63.7	167.9	24,700	65.2	167.0	25,100	66.5	165.3	25,400	90
	100	60.0	162.1	21,100	61.5	161.2	21,400	62.8	159.4	21,700	100
	110	56.3	155.5	18,200	57.7	154.6	18,500	59.0	152.6	18,800	110
	120	52.3	147.8	15,900	53.8	146.8	16,100				120
	130	48.1	138.9	13,900	49.5	137.9	14,100				130
	140	43.6	128.6	12,200							140
	150	38.7	116.4	10,800							150

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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	40	80.9	196.0	40,000							40
	45	79.4	195.0	40,000	80.9	194.2	40,000				45
	50	77.9	193.8	40,000	79.3	193.0	40,000	80.8	191.4	39,200	50
	55	76.3	192.5	40,000	77.8	191.7	40,000	79.2	190.1	37,400	55
	60	74.8	191.1	40,000	76.2	190.3	39,200	77.6	188.6	35,800	60
	65	73.2	189.5	38,800	74.7	188.7	37,400	76.1	187.0	34,400	65
	70	71.6	187.7	35,000	73.1	186.9	35,600	74.5	185.3	33,100	70
	75	70.0	185.8	31,700	71.5	185.0	32,300	72.8	183.3	31,900	75
	80	68.4	183.8	28,900	69.9	182.9	29,400	71.2	181.2	29,900	80
	90	65.1	179.1	24,300	66.6	178.3	24,800	67.9	176.5	25,200	90
	100	61.8	173.8	20,800	63.2	172.9	21,100	64.5	171.1	21,500	100
	110	58.3	167.6	17,900	59.7	166.7	18,200	60.9	164.8	18,500	110
	120	54.6	160.5	15,500	56.0	159.6	15,800	57.2	157.6	16,000	120
	130	50.8	152.4	13,600	52.1	151.4	13,800				130
	140	46.7	143.2	11,900	48.1	142.1	12,100				140
	150	42.4	132.4	10,400							150
	160	37.6	119.7	9,200							160
170	45	79.9	205.2	40,000							45
	50	78.5	204.1	40,000	79.9	203.3	40,000				50
	55	77.0	202.9	40,000	78.4	202.1	40,000	79.8	200.4	36,300	55
	60	75.5	201.5	40,000	76.9	200.7	38,100	78.3	199.0	34,700	60
	65	74.1	200.0	38,400	75.5	199.2	36,300	76.8	197.5	33,300	65
	70	72.6	198.3	34,500	74.0	197.5	34,800	75.3	195.8	32,000	70
	75	71.1	196.5	31,300	72.5	195.7	31,900	73.8	194.0	30,900	75
	80	69.6	194.6	28,500	70.9	193.8	29,000	72.2	192.1	29,500	80
	90	66.5	190.2	23,900	67.8	189.4	24,400	69.1	187.6	24,800	90
	100	63.3	185.2	20,300	64.6	184.3	20,700	65.9	182.5	21,100	100
	110	60.0	179.4	17,400	61.4	178.5	17,800	62.6	176.7	18,100	110
	120	56.7	172.9	15,100	58.0	171.9	15,400	59.1	170.0	15,600	120
	130	53.1	165.4	13,100	54.4	164.4	13,400				130
	140	49.4	156.9	11,400	50.7	155.9	11,600				140
	150	45.5	147.2	10,000	46.7	146.1	10,200				150
	160	41.2	136.0	8,700							160
	170	36.6	122.9	7,600							170
180	45	80.4	215.4	40,000							45
	50	79.0	214.4	40,000	80.4	213.6	40,000				50
	55	77.6	213.2	40,000	79.0	212.4	38,600	80.3	210.7	35,100	55
	60	76.2	211.9	40,000	77.6	211.1	36,800	78.9	209.4	33,600	60
	65	74.8	210.5	38,100	76.2	209.6	35,100	77.4	208.0	32,200	65
	70	73.4	208.9	34,300	74.8	208.1	33,600	76.0	206.4	30,900	70
	75	72.0	207.2	31,000	73.3	206.4	31,600	74.6	204.7	29,800	75
	80	70.6	205.3	28,200	71.9	204.5	28,800	73.1	202.8	28,700	80
	90	67.7	201.2	23,700	69.0	200.4	24,100	70.2	198.6	24,600	90
	100	64.7	196.5	20,100	66.0	195.6	20,500	67.1	193.8	20,900	100
	110	61.6	191.1	17,200	62.9	190.2	17,600	64.0	188.3	17,900	110
	120	58.4	184.9	14,800	59.7	184.0	15,100	60.8	182.1	15,400	120
	130	55.2	178.0	12,900	56.4	177.0	13,100	57.5	175.0	13,400	130
	140	51.7	170.2	11,200	53.0	169.2	11,400				140
	150	48.1	161.3	9,700	49.3	160.2	9,900				150
	160	44.3	151.2	8,500							160
	170	40.2	139.6	7,400							170

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JIB NO. 123 WITH 12'8" STRUT ON
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360 DEGREE RATING

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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	45	80.8	225.6	40,000							45
	50	79.5	224.6	40,000	80.8	223.8	39,600				50
	55	78.2	223.5	40,000	79.5	222.7	37,600	80.7	221.0	34,100	55
	60	76.9	222.2	39,800	78.2	221.4	35,800	79.4	219.7	32,600	60
	65	75.5	220.9	37,800	76.8	220.0	34,100	78.0	218.4	31,300	65
	70	74.2	219.4	33,900	75.5	218.6	32,700	76.7	216.9	30,000	70
	75	72.8	217.8	30,700	74.1	216.9	31,300	75.3	215.2	28,900	75
	80	71.5	216.0	27,900	72.7	215.2	28,500	73.9	213.4	27,900	80
	90	68.7	212.1	23,300	70.0	211.2	23,800	71.1	209.5	24,300	90
	100	65.9	207.6	19,700	67.1	206.7	20,200	68.3	204.9	20,600	100
	110	63.0	202.5	16,800	64.2	201.6	17,200	65.3	199.8	17,600	110
	120	60.0	196.8	14,500	61.2	195.8	14,800	62.3	193.9	15,100	120
	130	57.0	190.3	12,500	58.2	189.3	12,800	59.2	187.4	13,000	130
	140	53.8	183.0	10,800	55.0	182.0	11,100				140
	150	50.4	174.8	9,400	51.6	173.8	9,600				150
190	160	46.9	165.6	8,100	48.1	164.4	8,300				160
	170	43.2	155.1	7,000							170
	180	39.2	143.0	6,000							180
200	50	80.0	234.8	40,000	80.0	232.9	36,700				50
	55	78.7	233.7	40,000	78.7	231.7	34,900	79.9	230.0	31,800	55
	60	77.5	232.5	38,800	77.4	230.4	33,300	78.6	228.7	30,500	60
	65	76.2	231.2	36,900	76.1	229.0	31,900	77.3	227.3	29,300	65
	70	74.9	229.8	33,700	74.8	227.4	30,600	76.0	225.7	28,200	70
	75	73.6	228.3	30,500	73.5	225.8	28,300	74.7	224.0	27,200	75
	80	72.3	226.6	27,700	70.9	222.0	23,600	72.0	220.3	24,100	80
	90	69.7	222.9	23,100	68.2	217.8	20,000	69.3	216.0	20,400	90
	100	67.0	218.6	19,500	65.4	212.9	17,000	66.5	211.1	17,400	100
	110	64.3	213.8	16,600	62.6	207.5	14,600	63.7	205.6	14,900	110
	120	61.5	208.4	14,200	59.7	201.3	12,600	60.7	199.4	12,800	120
	130	58.6	202.3	12,300	56.7	194.5	10,900	57.7	192.5	11,100	130
	140	55.6	195.5	10,600	53.6	186.8	9,400				140
	150	52.5	187.8	9,100	50.4	178.2	8,100				150
	160	49.3	179.3	7,900	46.9	168.5	7,000				160
200	170	45.8	169.7	6,800							170
	180	42.2	158.8	5,800							180
	190	38.3	146.4	4,900							190
210	50	80.4	245.0	40,000	80.4	243.1	35,600				50
	55	79.2	244.0	39,900	79.2	242.0	33,900	80.3	240.3	30,900	55
	60	78.0	242.8	37,800	77.9	240.8	32,400	79.1	239.1	29,600	60
	65	76.8	241.6	35,900	76.7	239.4	31,000	77.8	237.7	28,500	65
	70	75.5	240.2	33,400	75.5	237.9	29,700	76.6	236.2	27,400	70
	75	74.3	238.8	30,100	74.2	236.3	27,900	75.3	234.6	26,400	75
	80	73.1	237.2	27,300	71.7	232.8	23,300	72.8	231.0	23,800	80
	90	70.6	233.6	22,700	69.2	228.7	19,600	70.2	226.9	20,000	90
	100	68.0	229.6	19,100	66.5	224.1	16,600	67.6	222.3	17,000	100
	110	65.4	225.0	16,200	63.9	218.9	14,200	64.9	217.1	14,600	110
	120	62.8	219.8	13,800	61.1	213.1	12,200	62.1	211.2	12,500	120
	130	60.0	214.1	11,900	58.3	206.7	10,500	59.3	204.7	10,700	130
	140	57.2	207.7	10,200	55.4	199.5	9,000	56.3	197.4	9,200	140
	150	54.3	200.5	8,700	52.4	191.5	7,700				150
	160	51.3	192.6	7,500	49.2	182.6	6,600				160
210	170	48.1	183.7	6,400							170
	180	44.8	173.7	5,400							180
	190	41.3	162.5	4,500							190
	200	37.4	149.7	3,800							200

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
OFFSET 4-1/2 DEGREES
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	50	80.8	255.2	40,000*							50
	55	79.6	254.2	38,500*	80.8	253.3	34,500*				55
	60	78.5	253.1	36,400*	79.6	252.3	32,800*	80.7	250.6	29,900*	60
	65	77.3	251.9	34,600*	78.4	251.1	31,300*	79.5	249.4	28,700*	65
	70	76.1	250.6	33,000*	77.3	249.8	29,900*	78.3	248.0	27,500*	70
	75	74.9	249.2	29,900*	76.1	248.3	28,700*	77.1	246.6	26,500*	75
	80	73.8	247.7	27,100*	74.9	246.8	27,500*	75.9	245.1	25,500*	80
	90	71.4	244.3	22,500*	72.5	243.4	23,000*	73.5	241.7	23,600*	90
	100	68.9	240.4	18,900*	70.0	239.5	19,400*	71.0	237.8	19,800*	100
	110	66.5	236.1	16,000*	67.5	235.2	16,400*	68.5	233.3	16,800*	110
	120	63.9	231.2	13,600*	65.0	230.2	14,000*	66.0	228.4	14,400*	120
	130	61.3	225.7	11,600*	62.4	224.8	12,000*	63.4	222.9	12,300*	130
	140	58.7	219.6	10,000*	59.7	218.7	10,300*	60.7	216.7	10,500*	140
	150	56.0	212.9	8,500*	57.0	211.9	8,800*	57.9	209.9	9,000*	150
	160	53.1	205.4	7,300*	54.2	204.4	7,500*				160
	170	50.2	197.2	6,200*	51.2	196.1	6,400*				170
230	180	47.1	187.9	5,200*	48.1	186.8	5,400*				180
	190	43.8	177.7	4,300*							190
	200	40.4	166.1	3,500*							200
	55	80.0	264.4	37,200*							55
	60	78.9	263.3	35,300*	80.0	262.5	31,800*				60
	65	77.8	262.2	33,600*	78.9	261.4	30,400*	79.9	259.6	27,800*	65
	70	76.7	260.9	31,900*	77.8	260.1	29,000*	78.8	258.4	26,700*	70
	75	75.5	259.6	29,500*	76.6	258.7	27,800*	77.6	257.0	25,700*	75
	80	74.4	258.1	26,700*	75.5	257.3	26,700*	76.5	255.5	24,700*	80
	90	72.1	254.9	22,100*	73.2	254.0	22,700*	74.2	252.3	23,000*	90
	100	69.8	251.2	18,500*	70.8	250.3	19,000*	71.8	248.5	19,500*	100
	110	67.4	247.0	15,600*	68.5	246.1	16,100*	69.4	244.3	16,500*	110
	120	65.0	242.4	13,300*	66.0	241.4	13,700*	67.0	239.6	14,000*	120
	130	62.5	237.2	11,300*	63.6	236.2	11,600*	64.5	234.3	12,000*	130
	140	60.0	231.4	9,600*	61.0	230.4	9,900*	62.0	228.5	10,200*	140
	150	57.4	225.0	8,100*	58.4	224.1	8,400*	59.3	222.0	8,700*	150
	160	54.8	218.0	6,900*	55.8	217.0	7,100*	56.6	214.9	7,400*	160
240	170	52.0	210.2	5,800*	53.0	209.2	6,000*				170
	180	49.1	201.6	4,800*	50.1	200.5	5,000*				180
	190	46.1	192.1	3,900*	47.1	191.0	4,100*				190
	200	42.9	181.5	3,100*							200
	55	80.4	274.6	35,800*							55
	60	79.3	273.6	34,100*	80.4	272.7	30,900*				60
	65	78.3	272.5	32,500*	79.3	271.6	29,500*	80.3	269.9	27,000*	65
	70	77.2	271.3	30,900*	78.2	270.4	28,200*	79.2	268.7	25,900*	70
	75	76.1	270.0	29,200*	77.1	269.1	27,000*	78.1	267.4	24,900*	75
	80	75.0	268.6	26,400*	76.0	267.7	25,900*	77.0	266.0	24,000*	80
	90	72.8	265.5	21,800*	73.8	264.6	22,400*	74.8	262.8	22,300*	90
	100	70.6	261.9	18,200*	71.6	261.0	18,700*	72.5	259.2	19,200*	100
	110	68.3	257.9	15,300*	69.3	257.0	15,800*	70.2	255.2	16,200*	110
	120	66.0	253.5	12,900*	67.0	252.5	13,300*	67.9	250.7	13,700*	120
	130	63.6	248.5	10,900*	64.6	247.6	11,300*	65.5	245.7	11,600*	130
	140	61.2	243.0	9,200*	62.2	242.1	9,600*	63.1	240.1	9,900*	140
	150	58.8	237.0	7,800*	59.8	236.0	8,100*	60.6	234.0	8,300*	150
	160	56.3	230.3	6,500*	57.2	229.3	6,800*	58.1	227.3	7,000*	160
	170	53.7	223.0	5,400*	54.6	221.9	5,700*				170
	180	51.0	214.9	4,400*	51.9	213.8	4,700*				180
	190	48.1	206.0	3,600*	49.1	204.9	3,800*				190
	200				46.1	195.0	3,000*				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
OFFSET 4-1/2 DEGREES

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	
100	35	80.2	146.0	30,000*							35
	40	78.2	144.8	30,000*	80.9	143.9	30,000*				40
	45	76.1	143.4	30,000*		78.8	142.5				45
	50	74.0	141.8	30,000*	76.6	140.9	30,000*	79.2	139.0	30,000*	50
	55	71.8	140.0	30,000*	74.5	139.1	30,000*	77.1	137.1	30,000*	55
	60	69.7	137.9	30,000*	72.3	137.0	30,000*	74.8	135.1	30,000*	60
	65	67.5	135.7	30,000*	70.1	134.8	30,000*	72.6	132.8	30,000*	65
	70	65.2	133.2	30,000*	67.8	132.2	30,000*	70.3	130.2	29,100*	70
	75	62.9	130.5	30,000*	65.5	129.5	30,000*	67.9	127.4	28,000*	75
	80	60.6	127.5	30,000*	63.1	126.4	30,000*	65.5	124.3	27,000*	80
	90	55.7	120.5	26,700	58.2	119.5	27,100	60.5	117.2	25,300*	90
	100	50.5	112.2	23,200	52.9	111.1	23,400				100
110	110	44.8	102.2	20,300	47.2	100.9	20,500				110
	120	38.3	89.7	18,000							120
120	35	80.9	156.2	30,000*							35
	40	79.0	155.1	30,000*							40
	45	77.0	153.8	30,000*	79.5	152.9	30,000*				45
	50	75.1	152.3	30,000*	77.5	151.4	30,000*	80.0	149.4	30,000*	50
	55	73.1	150.6	30,000*	75.6	149.7	30,000*	78.0	147.7	30,000*	55
	60	71.1	148.7	30,000*	73.5	147.8	30,000*	75.9	145.8	30,000*	60
	65	69.1	146.7	30,000*	71.5	145.7	30,000*	73.8	143.7	30,000*	65
	70	67.0	144.4	30,000*	69.4	143.4	30,000*	71.7	141.3	29,900*	70
	75	64.9	141.9	30,000*	67.3	140.9	30,000*	69.6	138.8	28,800*	75
	80	62.7	139.1	30,000*	65.1	138.1	30,000*	67.4	135.9	27,800*	80
	90	58.3	132.8	26,300	60.7	131.8	26,700	62.8	129.5	26,000*	90
	100	53.6	125.4	22,800	55.9	124.3	23,100	58.0	121.8	23,400	100
130	110	48.6	116.5	19,900	50.9	115.3	20,100				110
	120	43.1	105.9	17,500							120
	130	36.9	92.8	15,600							130
140	40	79.7	165.3	30,000*							40
	45	77.9	164.1	30,000*	80.2	163.2	30,000*				45
	50	76.0	162.7	30,000*	78.3	161.8	30,000*	80.6	159.8	30,000*	50
	55	74.2	161.2	30,000*	76.5	160.2	30,000*	78.8	158.2	30,000*	55
	60	72.3	159.4	30,000*	74.6	158.5	30,000*	76.9	156.4	30,000*	60
	65	70.4	157.5	30,000*	72.7	156.5	30,000*	74.9	154.5	30,000*	65
	70	68.5	155.4	30,000*	70.8	154.4	30,000*	73.0	152.3	30,000*	70
	75	66.6	153.1	30,000*	68.8	152.0	30,000*	71.0	149.9	29,500*	75
	80	64.6	150.5	30,000*	66.8	149.5	30,000*	69.0	147.3	28,500*	80
	90	60.5	144.8	26,000	62.7	143.7	26,400	64.8	141.4	26,700*	90
	100	56.3	138.0	22,400	58.4	136.9	22,700	60.4	134.5	23,100	100
	110	51.8	130.1	19,500	53.9	128.9	19,800				110
150	120	46.9	120.7	17,200	49.0	119.4	17,400				120
	130	41.6	109.5	15,200							130
	140	40.3	113.0	13,000							140

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
OFFSET 4-1/2 DEGREES
84,600 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

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	40	80.8	185.8	30,000*							40
	45	79.2	184.7	30,000*							45
	50	77.6	183.5	30,000*	79.7	182.5	30,000*				50
	55	76.0	182.1	30,000*	78.0	181.1	30,000*	80.1	179.0	30,000*	55
	60	74.3	180.6	30,000*	76.4	179.6	30,000*	78.4	177.5	30,000*	60
	65	72.7	178.9	30,000*	74.7	177.9	30,000*	76.7	175.7	30,000*	65
	70	71.0	177.0	30,000*	73.0	176.0	30,000*	75.0	173.8	30,000*	70
	75	69.3	175.0	30,000*	71.3	173.9	30,000*	73.3	171.8	30,000*	75
	80	67.6	172.8	29,800	69.6	171.7	30,000*	71.5	169.5	28,900*	80
	90	64.1	167.8	25,200	66.1	166.7	25,700	67.9	164.5	26,200	90
	100	60.5	162.1	21,700	62.4	161.0	22,100	64.2	158.6	22,500	100
	110	56.7	155.4	18,800	58.6	154.3	19,100	60.4	151.8	19,500	110
	120	52.7	147.8	16,400	54.6	146.5	16,700				120
	130	48.5	138.9	14,400	50.4	137.6	14,700				130
	140	44.0	128.6	12,700							140
	150	39.1	116.4	11,300							150
150	45	79.8	194.9	30,000*	80.2	192.8	30,000*				45
	50	78.3	193.8	30,000*							50
	55	76.7	192.5	30,000*	78.7	191.5	30,000*	80.6	189.4	30,000*	55
	60	75.2	191.0	30,000*	77.1	190.0	30,000*	79.0	187.9	30,000*	60
	65	73.6	189.4	30,000*	75.5	188.4	30,000*	77.4	186.3	30,000*	65
	70	72.0	187.7	30,000*	74.0	186.6	30,000*	75.8	184.5	30,000*	70
	75	70.4	185.8	30,000*	72.4	184.7	30,000*	74.2	182.6	28,900*	75
	80	68.8	183.7	29,400	70.7	182.7	30,000*	72.6	180.4	27,900*	80
	90	65.5	179.1	24,800	67.4	178.0	25,400	69.2	175.7	25,900	90
	100	62.2	173.7	21,300	64.0	172.6	21,700	65.8	170.2	22,100	100
	110	58.7	167.5	18,400	60.5	166.4	18,800	62.2	163.9	19,100	110
	120	55.0	160.5	16,000	56.8	159.3	16,300	58.5	156.7	16,600	120
	130	51.2	152.4	14,000	53.0	151.1	14,300				130
	140	47.1	143.1	12,300	48.9	141.7	12,600				140
	150	42.8	132.3	10,900							150
	160	37.9	119.6	9,600							160
160	45	80.3	205.2	30,000*	80.7	203.0	30,000*				45
	50	78.8	204.1	30,000*	79.3	201.8	30,000*				50
	55	77.4	202.8	30,000*	77.8	200.4	30,000*	79.6	198.3	30,000*	55
	60	75.9	201.5	30,000*	76.3	198.9	30,000*	78.1	196.7	30,000*	60
	65	74.4	199.9	30,000*	74.8	197.2	30,000*	76.6	195.1	29,100*	65
	70	73.0	198.3	30,000*	73.3	195.4	30,000*	75.0	193.2	28,000*	70
	75	71.5	196.5	30,000*	71.8	193.5	29,500*	73.5	191.3	27,000*	75
	80	69.9	194.5	29,100	68.7	189.1	25,100	70.4	186.8	25,300*	80
	90	66.8	190.2	24,500	65.5	184.0	21,400	67.1	181.7	21,900	90
	100	63.7	185.1	20,900	62.2	178.2	18,500	63.8	175.8	18,800	100
	110	60.4	179.4	18,000	58.8	171.6	16,000	60.3	169.1	16,400	110
	120	57.0	172.8	15,700	55.2	164.1	14,000	56.7	161.5	14,300	120
	130	53.5	165.4	13,700	51.5	155.5	12,300				130
	140	49.8	156.9	12,000	47.5	145.7	10,800				140
	150	45.8	147.2	10,600							150
	160	41.6	136.0	9,300							160
	170	36.9	122.8	8,200							170
170	45	80.8	215.4	30,000*							45
	50	79.4	214.3	30,000*							50
	55	78.0	213.1	30,000*	79.8	212.1	30,000*				55
	60	76.6	211.8	30,000*	78.4	210.8	30,000*	80.1	208.6	30,000*	60
	65	75.2	210.4	30,000*	77.0	209.3	30,000*	78.7	207.2	29,300*	65
	70	73.8	208.8	30,000*	75.5	207.8	30,000*	77.2	205.6	28,200*	70
	75	72.4	207.1	30,000*	74.1	206.1	29,900*	75.8	203.8	27,200*	75
	80	70.9	205.3	28,700	72.7	204.2	28,700*	74.3	202.0	26,200*	80
	90	68.0	201.2	24,100	69.7	200.1	24,700	71.4	197.8	24,500*	90
	100	65.0	196.4	20,500	66.7	195.3	21,000	68.3	192.9	21,500	100
	110	62.0	191.0	17,600	63.6	189.9	18,100	65.2	187.4	18,500	110
	120	58.8	184.9	15,200	60.5	183.7	15,600	62.0	181.2	16,000	120
	130	55.5	178.0	13,300	57.2	176.7	13,600	58.6	174.1	13,900	130
	140	52.1	170.1	11,600	53.7	168.8	11,900				140
	150	48.5	161.2	10,100	50.1	159.8	10,400				150
	160	44.6	151.1	8,900	46.2	149.6	9,100				160
	170	40.5	139.5	7,800							170

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
OFFSET 4-1/2 DEGREES
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	
180	50	79.9	224.5	30,000*							50
	55	78.5	223.4	30,000*	80.2	222.4	30,000*				55
	60	77.2	222.2	30,000*				80.6	218.9	29,600*	60
	65	75.9	220.8	30,000*	77.6	219.7	30,000*	79.2	217.6	28,400*	65
	70	74.5	219.3	30,000*	76.2	218.3	30,000*	77.9	216.0	27,300*	70
	75	73.2	217.7	30,000*	74.9	216.6	28,900*	76.5	214.4	26,300*	75
	80	71.8	216.0	28,400	73.5	214.9	27,700*	75.1	212.6	25,300*	80
	90	69.1	212.0	23,800	70.7	210.9	24,500	72.3	208.6	23,700*	90
	100	66.2	207.6	20,200	67.9	206.4	20,800	69.4	204.1	21,300	100
	110	63.3	202.5	17,400	65.0	201.3	17,800	66.5	198.9	18,300	110
	120	60.4	196.7	15,000	62.0	195.5	15,400	63.4	193.0	15,800	120
	130	57.3	190.2	13,000	58.9	189.0	13,400	60.3	186.4	13,700	130
	140	54.1	182.9	11,300	55.7	181.6	11,600	57.0	179.0	11,900	140
	150	50.8	174.7	9,900	52.3	173.4	10,100				150
	160	47.3	165.5	8,600	48.8	164.0	8,800				160
	170	43.5	155.0	7,500							170
	180	39.5	143.0	6,500							180
190	50	80.3	234.7	30,000*							50
	55	79.1	233.7	30,000*	80.7	232.6	30,000*				55
	60	77.8	232.5	30,000*	79.4	231.4	30,000*	81.0	229.2	28,700*	60
	65	76.5	231.2	30,000*	78.1	230.1	30,000*	79.7	227.9	27,600*	65
	70	75.2	229.8	30,000*	76.8	228.7	29,300*	78.4	226.5	26,500*	70
	75	73.9	228.2	30,000*	75.5	227.1	28,100*	77.1	224.9	25,500*	75
	80	72.6	226.6	28,100	74.2	225.5	27,000*	75.8	223.2	24,600*	80
	90	70.0	222.8	23,500	71.6	221.7	24,100	73.1	219.4	23,000*	90
	100	67.3	218.6	19,900	68.9	217.4	20,500	70.4	215.1	21,000	100
	110	64.6	213.8	17,000	66.1	212.6	17,500	67.6	210.2	18,000	110
	120	61.8	208.3	14,600	63.3	207.1	15,100	64.7	204.7	15,500	120
	130	58.9	202.2	12,600	60.4	201.0	13,000	61.8	198.4	13,400	130
	140	55.9	195.4	10,900	57.4	194.1	11,300	58.8	191.5	11,600	140
	150	52.8	187.8	9,500	54.3	186.4	9,800				150
	160	49.6	179.2	8,200	51.0	177.8	8,500				160
	170	46.2	169.6	7,100	47.6	168.1	7,300				170
	180	42.5	158.7	6,100							180
	190	38.6	146.3	5,300							190
200	50	80.7	244.9	30,000*							50
	55	79.5	243.9	30,000*							55
	60	78.3	242.8	30,000*	79.9	241.7	30,000*				60
	65	77.1	241.5	30,000*	78.6	240.4	29,900*	80.1	238.2	26,900*	65
	70	75.9	240.2	30,000*	77.4	239.1	28,600*	78.9	236.8	25,800*	70
	75	74.6	238.7	30,000*	76.2	237.6	27,400*	77.7	235.3	24,900*	75
	80	73.4	237.1	27,900	74.9	236.0	26,300*	76.4	233.7	24,000*	80
	90	70.9	233.6	23,300	72.4	232.4	24,000	73.9	230.1	22,400*	90
	100	68.3	229.5	19,700	69.8	228.4	20,300	71.3	226.0	20,800	100
	110	65.7	224.9	16,800	67.2	223.8	17,300	68.6	221.4	17,800	110
	120	63.1	219.8	14,400	64.6	218.6	14,900	65.9	216.1	15,300	120
	130	60.3	214.0	12,400	61.8	212.8	12,800	63.1	210.3	13,200	130
	140	57.5	207.6	10,700	59.0	206.3	11,100	60.3	203.7	11,400	140
	150	54.6	200.4	9,300	56.1	199.1	9,600	57.3	196.4	9,900	150
	160	51.6	192.5	8,000	53.0	191.1	8,300				160
	170	48.4	183.6	6,900	49.8	182.2	7,100				170
	180	45.1	173.6	5,900	46.5	172.1	6,100				180
	190	41.6	162.4	5,000							190
	200	37.7	149.6	4,300							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
OFFSET 4-1/2 DEGREES
84,800 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.	POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	CAPACITY POUNDS	
210	55	79.9	254.1	30,000*	80.3	251.9	30,000*				55
	60	78.8	253.0	30,000*							60
	65	77.6	251.8	30,000*	79.1	250.7	29,100*	80.6	248.5	26,200*	65
	70	76.4	250.5	30,000*	77.9	249.4	27,900*	79.4	247.2	25,100*	70
	75	75.3	249.1	29,700*	76.7	248.0	26,700*	78.2	245.8	24,200*	75
	80	74.1	247.6	27,500	75.5	246.5	25,600*	77.0	244.2	23,300*	80
	90	71.7	244.2	22,900	73.1	243.1	23,600	74.5	240.8	21,700*	90
	100	69.2	240.4	19,300	70.7	239.2	19,900	72.1	236.9	20,400*	100
	110	66.8	236.0	16,400	68.2	234.8	16,900	69.6	232.4	17,500	110
	120	64.2	231.1	14,000	65.7	229.9	14,500	67.0	227.4	14,900	120
	130	61.6	225.6	12,000	63.1	224.4	12,400	64.4	221.9	12,800	130
	140	59.0	219.6	10,300	60.4	218.3	10,700	61.6	215.7	11,100	140
	150	56.3	212.8	8,900	57.6	211.5	9,200	58.9	208.8	9,500	150
	160	53.4	205.4	7,600	54.8	204.0	7,900				160
	170	50.5	197.1	6,500	51.8	195.7	6,800				170
	180	47.4	187.9	5,500	48.7	186.4	5,800				180
220	190	44.1	177.6	4,600							190
	200	40.7	166.0	3,900							200
	210	36.9	152.8	3,100							210
	55	80.3	264.3	30,000*	80.6	262.2	29,600*				55
	60	79.2	263.3	30,000*							60
	65	78.1	262.1	30,000*	79.5	261.0	28,200*	80.9	258.8	25,400*	65
	70	77.0	260.9	30,000*	78.4	259.8	27,000*	79.8	257.5	24,400*	70
	75	75.8	259.5	28,800*	77.3	258.4	25,800*	78.6	256.1	23,400*	75
	80	74.7	258.1	27,300	76.1	257.0	24,800*	77.5	254.7	22,600*	80
	90	72.4	254.8	22,700	73.8	253.7	22,900*	75.2	251.4	21,000*	90
	100	70.1	251.1	19,100	71.5	250.0	19,700	72.8	247.6	19,700*	100
	110	67.7	247.0	16,200	69.1	245.8	16,700	70.4	243.4	17,300	110
	120	65.3	242.3	13,800	66.7	241.1	14,300	68.0	238.6	14,800	120
	130	62.8	237.1	11,800	64.2	235.9	12,200	65.5	233.4	12,600	130
	140	60.3	231.3	10,100	61.7	230.1	10,500	62.9	227.5	10,900	140
	150	57.7	225.0	8,600	59.1	223.7	9,000	60.3	221.0	9,300	150
	160	55.1	217.9	7,400	56.4	216.6	7,700	57.5	213.9	8,000	160
	170	52.3	210.2	6,300	53.6	208.8	6,600				170
230	180	49.4	201.6	5,300	50.7	200.1	5,500				180
	190	46.4	192.0	4,400	47.7	190.5	4,600				190
	200	43.2	181.4	3,600							200
	55	80.7	274.5	30,000*	81.0	272.4	28,800*				55
	60	79.6	273.5	30,000*							60
	65	78.5	272.4	30,000*	79.9	271.3	27,400*				65
	70	77.5	271.2	29,300*	78.8	270.1	26,200*	80.2	267.8	23,700*	70
	75	76.4	269.9	27,900*	77.7	268.8	25,100*	79.1	266.5	22,800*	75
	80	75.3	268.5	26,700*	76.6	267.4	24,100*	78.0	265.1	21,900*	80
	90	73.1	265.4	22,300	74.4	264.2	22,200*	75.7	261.9	20,400*	90
	100	70.8	261.8	18,700	72.2	260.7	19,400	73.5	258.3	19,100*	100
	110	68.6	257.9	15,800	69.9	256.7	16,400	71.2	254.3	17,000	110
	120	66.3	253.4	13,400	67.6	252.2	13,900	68.8	249.7	14,400	120
	130	63.9	248.4	11,400	65.2	247.2	11,900	66.5	244.7	12,300	130
	140	61.5	243.0	9,700	62.8	241.7	10,100	64.0	239.1	10,500	140
	150	59.1	236.9	8,300	60.4	235.6	8,600	61.5	233.0	9,000	150
	160	56.5	230.2	7,000	57.8	228.9	7,300	59.0	226.2	7,600	160
	170	53.9	222.9	5,900	55.2	221.5	6,200				170
	180	51.2	214.8	4,900	52.5	213.4	5,200				180
	190	48.4	206.0	4,000	49.6	204.5	4,300				190
	200	45.5	196.1	3,300	46.7	194.6	3,500				200

MANITOWOC ENGINEERING CO.

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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
OFFSET 4-1/2 DEGREES

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	40	79.5	155.3	20,000*							40
	45	77.6	154.1	20,000*	80.7	153.1	20,000*				45
	50	75.7	152.6	20,000*	78.8	151.6	20,000*				50
	55	73.7	151.0	20,000*	76.8	150.0	20,000*	79.9	147.8	20,000*	55
	60	71.7	149.1	20,000*	74.8	148.1	20,000*	77.8	145.9	20,000*	60
	65	69.6	147.1	20,000*	72.7	146.1	20,000*	75.8	143.8	20,000*	65
	70	67.6	144.8	20,000*	70.7	143.8	20,000*	73.6	141.5	20,000*	70
	75	65.5	142.4	20,000*	68.5	141.3	20,000*	71.5	139.0	20,000*	75
	80	63.4	139.7	20,000*	66.4	138.6	20,000*	69.3	136.2	20,000*	80
	90	58.9	133.5	20,000*	61.9	132.4	20,000*	64.8	129.9	20,000*	90
	100	54.3	126.2	20,000*	57.2	125.0	20,000*	60.0	122.3	19,800*	100
	110	49.3	117.4	20,000*	52.2	116.2	20,000*				110
	120	43.9	107.0	18,100	46.7	105.6	18,300				120
	130	37.8	94.2	16,100							130
110	40	80.2	165.6	20,000*							40
	45	78.4	164.4	20,000*							45
	50	76.6	163.0	20,000*	79.5	162.0	20,000*				50
	55	74.7	161.5	20,000*	77.6	160.5	20,000*	80.5	158.2	20,000*	55
	60	72.9	159.8	20,000*	75.8	158.8	20,000*	78.6	156.5	20,000*	60
	65	71.0	157.9	20,000*	73.9	156.8	20,000*	76.7	154.6	20,000*	65
	70	69.1	155.8	20,000*	71.9	154.7	20,000*	74.8	152.4	20,000*	70
	75	67.1	153.5	20,000*	70.0	152.4	20,000*	72.8	150.1	20,000*	75
	80	65.2	151.0	20,000*	68.0	149.9	20,000*	70.8	147.5	20,000*	80
	90	61.1	145.4	20,000*	63.9	144.2	20,000*	66.6	141.7	20,000*	90
	100	56.9	138.7	20,000*	59.6	137.5	20,000*	62.2	134.9	20,000*	100
	110	52.4	130.9	20,000*	55.1	129.6	20,000*	57.6	126.8	19,200*	110
	120	47.6	121.6	17,700	50.3	120.3	17,900				120
	130	42.4	110.7	15,700							130
	140	36.5	97.3	14,000							140
120	40	80.8	175.8	20,000*							40
	45	79.1	174.7	20,000*							45
	50	77.4	173.4	20,000*	80.1	172.4	20,000*				50
	55	75.6	172.0	20,000*	78.4	170.9	20,000*				55
	60	73.9	170.4	20,000*	76.6	169.3	20,000*	79.3	167.0	20,000*	60
	65	72.1	168.6	20,000*	74.9	167.5	20,000*	77.5	165.2	20,000*	65
	70	70.4	166.6	20,000*	73.1	165.6	20,000*	75.7	163.2	20,000*	70
	75	68.5	164.5	20,000*	71.3	163.4	20,000*	73.9	161.0	20,000*	75
	80	66.7	162.2	20,000*	69.4	161.1	20,000*	72.0	158.6	20,000*	80
	90	63.0	157.0	20,000*	65.6	155.8	20,000*	68.2	153.3	20,000*	90
	100	59.1	150.8	20,000*	61.7	149.6	20,000*	64.2	147.0	20,000*	100
	110	55.0	143.7	19,700	57.6	142.4	20,000*	60.0	139.7	19,800*	110
	120	50.7	135.4	17,300	53.2	134.0	17,600				120
	130	46.0	125.7	15,300	48.5	124.2	15,600				130
	140	41.0	114.2	13,600							140
130	45	79.7	184.9	20,000*	80.7	182.7	20,000*				45
	50	78.1	183.7	20,000*							50
	55	76.4	182.4	20,000*	79.1	181.3	20,000*				55
	60	74.8	180.9	20,000*	77.4	179.8	20,000*	80.0	177.4	20,000*	60
	65	73.2	179.2	20,000*	75.7	178.1	20,000*	78.3	175.7	20,000*	65
	70	71.5	177.4	20,000*	74.1	176.3	20,000*	76.6	173.9	20,000*	70
	75	69.8	175.4	20,000*	72.4	174.3	20,000*	74.8	171.8	20,000*	75
	80	68.1	173.2	20,000*	70.6	172.1	20,000*	73.1	169.6	20,000*	80
	90	64.6	168.3	20,000*	67.1	167.2	20,000*	69.5	164.6	20,000*	90
	100	61.0	162.7	20,000*	63.5	161.4	20,000*	65.8	158.8	20,000*	100
	110	57.2	156.1	19,100	59.7	154.8	19,600	62.0	152.1	20,000*	110
	120	53.3	148.5	16,800	55.7	147.2	17,100	57.9	144.3	17,500	120
	130	49.1	139.8	14,800	51.5	138.4	15,100				130
	140	44.6	129.6	13,100	47.0	128.1	13,400				140
	150	39.7	117.6	11,600							150

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
OFFSET 4-1/2 DEGREES
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	
140	45	80.2	195.2	20,000*							45
	50	78.7	194.0	20,000*							50
	55	77.2	192.7	20,000*	79.6	191.6	20,000*				55
	60	75.6	191.3	20,000*	78.1	190.2	20,000*	80.5	187.8	20,000*	60
	65	74.1	189.8	20,000*	76.5	188.6	20,000*	78.9	186.2	20,000*	65
	70	72.5	188.0	20,000*	74.9	186.9	20,000*	77.3	184.5	20,000*	70
	75	70.9	186.2	20,000*	73.3	185.0	20,000*	75.7	182.6	20,000*	75
	80	69.3	184.1	20,000*	71.7	183.0	20,000*	74.1	180.5	20,000*	80
	90	66.0	179.6	20,000*	68.4	178.4	20,000*	70.7	175.8	20,000*	90
	100	62.7	174.3	20,000*	65.0	173.0	20,000*	67.3	170.4	20,000*	100
	110	59.2	168.2	18,900	61.5	166.9	19,400	63.7	164.1	19,800	110
	120	55.5	161.2	16,500	57.9	159.9	16,900	60.0	157.0	17,300	120
	130	51.7	153.2	14,600	54.0	151.8	14,900	56.1	148.8	15,200	130
	140	47.7	144.0	12,900	49.9	142.5	13,200				140
	150	43.3	133.4	11,400							150
	160	38.6	120.9	10,200							160
150	45	80.7	205.4	20,000*							45
	50	79.3	204.3	20,000*							50
	55	77.8	203.1	20,000*	80.2	201.9	20,000*				55
	60	76.4	201.7	20,000*	78.7	200.6	20,000*	81.0	198.2	20,000*	60
	65	74.9	200.2	20,000*	77.2	199.1	20,000*	79.5	196.6	20,000*	65
	70	73.4	198.6	20,000*	75.7	197.5	20,000*	78.0	195.0	20,000*	70
	75	71.9	196.9	20,000*	74.2	195.7	20,000*	76.5	193.2	20,000*	75
	80	70.4	194.9	20,000*	72.7	193.8	20,000*	74.9	191.2	20,000*	80
	90	67.3	190.6	20,000*	69.6	189.4	20,000*	71.8	186.8	20,000*	90
	100	64.1	185.7	20,000*	66.4	184.4	20,000*	68.5	181.8	20,000*	100
	110	60.9	180.0	18,500	63.1	178.7	19,000	65.2	175.9	19,500	110
	120	57.5	173.5	16,200	59.7	172.2	16,600	61.8	169.3	17,000	120
	130	54.0	166.1	14,200	56.2	164.7	14,500	58.1	161.7	14,900	130
	140	50.3	157.7	12,500	52.5	156.3	12,800				140
	150	46.4	148.1	11,000	48.5	146.6	11,300				150
	160	42.2	137.1	9,800							160
	170	37.5	124.2	8,700							170
160	50	79.8	214.5	20,000*	80.6	212.2	20,000*				50
	55	78.4	213.4	20,000*	79.2	210.9	20,000*				55
	60	77.0	212.1	20,000*	77.8	209.5	20,000*	80.0	207.0	20,000*	60
	65	75.6	210.7	20,000*	76.4	208.0	20,000*	78.6	205.5	20,000*	65
	70	74.2	209.1	20,000*	75.0	206.3	20,000*	77.1	203.8	20,000*	70
	75	72.8	207.5	20,000*	73.5	204.5	20,000*	75.7	201.9	20,000*	75
	80	71.3	205.7	20,000*	70.6	200.4	20,000*	72.7	197.8	20,000*	80
	90	68.4	201.6	20,000*	67.6	195.7	20,000*	69.7	193.0	20,000*	90
	100	65.5	196.9	20,000*	64.5	190.3	18,700	66.6	187.5	19,200	100
	110	62.4	191.6	18,200	61.4	184.2	16,300	63.3	181.3	16,700	110
	120	59.2	185.5	15,800	58.1	177.3	14,200	60.0	174.3	14,600	120
	130	56.0	178.6	13,800	54.6	169.5	12,500	56.5	166.3	12,800	130
	140	52.6	170.9	12,100	51.0	160.6	11,000				140
	150	49.0	162.1	10,700	47.2	150.5	9,700				150
	160	45.2	152.1	9,400							160
	170	41.1	140.7	8,300							170
	180	36.6	127.3	7,300							180
170	50	80.3	224.7	20,000*							50
	55	78.9	223.6	20,000*							55
	60	77.6	222.4	20,000*	79.7	221.3	20,000*				60
	65	76.3	221.1	20,000*	78.4	219.9	20,000*	80.5	217.4	20,000*	65
	70	74.9	219.6	20,000*	77.1	218.4	20,000*	79.1	215.9	20,000*	70
	75	73.6	218.0	20,000*	75.7	216.8	20,000*	77.8	214.3	20,000*	75
	80	72.2	216.3	20,000*	74.3	215.1	20,000*	76.4	212.5	20,000*	80
	90	69.5	212.4	20,000*	71.6	211.2	20,000*	73.6	208.6	20,000*	90
	100	66.6	208.0	20,000*	68.7	206.8	20,000*	70.7	204.1	20,000*	100
	110	63.8	203.0	17,800	65.8	201.7	18,300	67.7	198.9	18,900	110
	120	60.8	197.3	15,400	62.8	195.9	15,900	64.7	193.1	16,400	120
	130	57.7	190.9	13,400	59.7	189.5	13,800	61.6	186.5	14,200	130
	140	54.6	183.7	11,700	56.5	182.2	12,100	58.3	179.2	12,400	140
	150	51.3	175.5	10,300	53.2	174.0	10,600				150
	160	47.8	166.4	9,000	49.7	164.8	9,300				160
	170	44.0	156.0	7,900	45.9	154.3	8,100				170
	180	40.1	144.2	6,900							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
OFFSET 4-1/2 DEGREES
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	
180	50	80.7	234.9	20,000*							50
	55	79.4	233.9	20,000*							55
	60	78.2	232.7	20,000*	80.2	231.5	20,000*				60
	65	76.9	231.4	20,000*	78.9	230.3	20,000*	80.9	227.7	20,000*	65
	70	75.6	230.1	20,000*	77.6	228.8	20,000*	79.6	226.3	20,000*	70
	75	74.3	228.5	20,000*	76.3	227.3	20,000*	78.3	224.7	20,000*	75
	80	73.0	226.9	20,000*	75.0	225.7	20,000*	77.0	223.1	20,000*	80
	90	70.4	223.2	20,000*	72.4	222.0	20,000*	74.3	219.3	20,000*	90
	100	67.7	219.0	20,000*	69.7	217.7	20,000*	71.6	215.0	19,500*	100
	110	65.0	214.2	17,500	67.0	212.9	18,100	68.8	210.2	18,300*	110
	120	62.2	208.9	15,100	64.1	207.5	15,700	66.0	204.7	16,100	120
	130	59.3	202.8	13,100	61.2	201.5	13,600	63.0	198.5	14,000	130
	140	56.3	196.1	11,400	58.2	194.7	11,900	60.0	191.6	12,200	140
	150	53.3	188.5	10,000	55.1	187.0	10,300	56.8	183.9	10,700	150
	160	50.0	180.1	8,700	51.9	178.5	9,000				160
	170	46.6	170.6	7,600	48.4	168.9	7,900				170
	180	43.0	159.8	6,600							180
	190	39.1	147.6	5,800							190
190	55	79.9	244.1	20,000*							55
	60	78.7	243.0	20,000*	80.6	241.8	20,000*				60
	65	77.4	241.8	20,000*	79.4	240.6	20,000*				65
	70	76.2	240.4	20,000*	78.2	239.2	20,000*	80.1	236.6	20,000*	70
	75	75.0	239.0	20,000*	76.9	237.8	20,000*	78.8	235.2	20,000*	75
	80	73.7	237.4	20,000*	75.7	236.2	20,000*	77.6	233.6	20,000*	80
	90	71.2	233.9	20,000*	73.2	232.7	20,000*	75.0	230.0	20,000*	90
	100	68.7	229.9	20,000*	70.6	228.6	20,000*	72.4	225.9	18,900*	100
	110	66.1	225.4	17,200	68.0	224.1	17,800	69.8	221.3	17,800*	110
	120	63.5	220.3	14,800	65.3	219.0	15,300	67.1	216.1	15,800	120
	130	60.7	214.6	12,800	62.6	213.2	13,300	64.3	210.3	13,700	130
	140	57.9	208.2	11,100	59.8	206.8	11,500	61.4	203.8	11,900	140
	150	55.0	201.2	9,600	56.9	199.7	10,000	58.5	196.6	10,400	150
	160	52.0	193.3	8,400	53.8	191.7	8,700				160
	170	48.9	184.5	7,200	50.6	182.9	7,500				170
	180	45.6	174.6	6,300	47.3	172.9	6,500				180
	190	42.0	163.5	5,400							190
	200	38.2	150.9	4,600							200
200	55	80.3	254.3	20,000*							55
	60	79.1	253.3	20,000*	81.0	252.0	20,000*				60
	65	77.9	252.1	20,000*	79.8	250.9	20,000*				65
	70	76.8	250.8	20,000*	78.6	249.6	20,000*	80.5	247.0	20,000*	70
	75	75.6	249.4	20,000*	77.5	248.2	20,000*	79.3	245.6	20,000*	75
	80	74.4	247.9	20,000*	76.3	246.7	20,000*	78.1	244.0	20,000*	80
	90	72.0	244.6	20,000*	73.9	243.3	20,000*	75.7	240.6	19,600*	90
	100	69.6	240.7	19,900	71.4	239.5	20,000*	73.2	236.7	18,400*	100
	110	67.1	236.4	16,900	68.9	235.1	17,600	70.7	232.3	17,300*	110
	120	64.6	231.6	14,500	66.4	230.2	15,100	68.1	227.4	15,700	120
	130	62.0	226.2	12,500	63.8	224.8	13,100	65.5	221.9	13,500	130
	140	59.4	220.2	10,900	61.1	218.7	11,300	62.8	215.8	11,700	140
	150	56.6	213.5	9,400	58.4	212.0	9,800	60.0	208.9	10,200	150
	160	53.8	206.1	8,100	55.6	204.6	8,500	57.1	201.4	8,800	160
	170	50.9	197.9	7,000	52.6	196.3	7,300				170
	180	47.8	188.8	6,000	49.5	187.1	6,300				180
	190	44.6	178.6	5,200	46.2	176.8	5,400				190
	200	41.1	167.1	4,400							200
	210	37.4	154.1	3,700							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
OFFSET 4-1/2 DEGREES
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.	POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	CAPACITY POUNDS	
210	55	80.7	264.5	20,000*							55
	60	79.5	263.5	20,000*							60
	65	78.4	262.4	20,000*	80.2	261.1	20,000*	80.9	257.3	20,000*	65
	70	77.3	261.1	20,000*	79.1	259.9	20,000*	79.7	255.9	20,000*	70
	75	76.2	259.8	20,000*	78.0	258.6	20,000*				75
	80	75.0	258.4	20,000*	76.8	257.1	20,000*	78.6	254.4	20,000*	80
	90	72.7	255.2	20,000*	74.5	253.9	20,000*	76.2	251.2	19,100*	90
	100	70.4	251.5	19,500	72.2	250.2	19,500*	73.9	247.5	17,900*	100
	110	68.1	247.4	16,600	69.8	246.1	17,300	71.5	243.3	16,800*	110
	120	65.6	242.8	14,200	67.4	241.4	14,800	69.0	238.6	15,400	120
	130	63.2	237.6	12,200	64.9	236.2	12,700	66.5	233.3	13,200	130
	140	60.7	231.9	10,500	62.4	230.5	11,000	64.0	227.5	11,400	140
220	150	58.1	225.6	9,000	59.8	224.1	9,400	61.3	221.1	9,800	150
	160	55.4	218.6	7,700	57.1	217.1	8,100	58.6	214.0	8,500	160
	170	52.7	210.9	6,600	54.3	209.4	7,000				170
	180	49.8	202.4	5,600	51.4	200.8	5,900				180
	190	46.8	193.0	4,800	48.4	191.3	5,000				190
	200	43.6	182.5	4,000							200
	210	40.3	170.7	3,300							210
	55	81.0	274.7	20,000*							55
	60	79.9	273.7	20,000*							60
	65	78.9	272.6	20,000*	80.6	271.4	20,000*				65
	70	77.8	271.4	20,000*	79.5	270.2	20,000*				70
	75	76.7	270.2	20,000*	78.4	268.9	20,000*	80.1	266.2	20,000*	75
	80	75.6	268.8	20,000*	77.3	267.5	20,000*	79.0	264.8	19,800*	80
	90	73.4	265.7	20,000*	75.1	264.4	20,000*	76.8	261.7	18,500*	90
	100	71.2	262.2	19,200	72.9	260.9	18,900*	74.5	258.2	17,300*	100
	110	68.9	258.3	16,300	70.6	256.9	17,000	72.2	254.1	16,300*	110
	120	66.6	253.8	13,900	68.3	252.5	14,600	69.9	249.6	15,200	120
	130	64.3	248.9	11,900	65.9	247.5	12,500	67.5	244.6	13,000	130
	140	61.9	243.5	10,200	63.5	242.1	10,700	65.1	239.1	11,200	140
230	150	59.4	237.5	8,800	61.1	236.0	9,200	62.6	233.0	9,600	150
	160	56.9	230.9	7,500	58.5	229.4	7,900	60.0	226.3	8,300	160
	170	54.3	223.6	6,400	55.9	222.1	6,800	57.3	218.8	7,100	170
	180	51.6	215.6	5,400	53.2	214.0	5,700				180
	190	48.8	206.8	4,500	50.4	205.2	4,800				190
	200	45.9	197.1	3,700	47.4	195.3	4,000				200
	210	42.8	186.3	3,000							210
	60	80.3	283.9	20,000*	80.9	281.6	20,000*				60
	65	79.3	282.9	20,000*	79.9	280.5	20,000*				65
	70	78.2	281.7	20,000*							70
	75	77.2	280.5	20,000*	78.8	279.2	20,000*	80.5	276.5	20,000*	75
	80	76.1	279.2	20,000*	77.8	277.9	20,000*	79.4	275.2	19,200*	80
	90	74.0	276.2	20,000*	75.7	274.9	19,700*	77.3	272.2	17,900*	90
	100	71.9	272.8	18,900	73.5	271.5	18,300*	75.1	268.8	16,800*	100
	110	69.7	269.1	16,000	71.3	267.7	16,700	72.9	264.9	15,800*	110
	120	67.5	264.8	13,600	69.1	263.5	14,200	70.7	260.6	14,900	120
	130	65.3	260.1	11,600	66.9	258.7	12,200	68.4	255.8	12,700	130
	140	63.0	254.9	9,900	64.6	253.5	10,400	66.0	250.6	10,900	140
	150	60.6	249.2	8,400	62.2	247.8	8,900	63.7	244.7	9,300	150
	160	58.2	242.9	7,100	59.8	241.5	7,600	61.2	238.4	8,000	160
	170	55.8	236.1	6,000	57.3	234.5	6,400	58.7	231.3	6,800	170
	180	53.2	228.5	5,000	54.8	226.9	5,400	56.1	223.6	5,700	180
	190	50.6	220.2	4,100	52.1	218.6	4,500				190
	200	47.9	211.1	3,400	49.3	209.4	3,600				200

MANITOWOC ENGINEERING CO.

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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
OFFSET 4-1/2 DEGREES
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	
100	40	80.1	165.6	10,000*							40
	45	78.3	164.4	10,000*							45
	50	76.5	163.1	10,000*	80.1	162.1	10,000*				50
	55	74.7	161.5	10,000*	78.2	160.6	10,000*				55
	60	72.8	159.8	10,000*	76.3	158.9	10,000*	79.9	156.5	10,000*	60
	65	70.9	157.9	10,000*	74.4	156.9	10,000*	77.9	154.6	10,000*	65
	70	69.0	155.9	10,000*	72.5	154.8	10,000*	76.0	152.5	10,000*	70
	75	67.1	153.6	10,000*	70.6	152.5	10,000*	74.0	150.1	10,000*	75
	80	65.1	151.1	10,000*	68.6	150.0	10,000*	72.0	147.6	10,000*	80
	90	61.1	145.4	10,000*	64.5	144.3	10,000*	67.8	141.8	10,000*	90
	100	56.8	138.7	10,000*	60.2	137.6	10,000*	63.5	134.9	10,000*	100
	110	52.3	130.9	10,000*	55.7	129.7	10,000*	58.8	126.8	10,000*	110
110	40	80.7	175.8	10,000*							40
	45	79.0	174.7	10,000*							45
	50	77.3	173.4	10,000*	80.7	172.4	10,000*				50
	55	75.6	172.0	10,000*	78.9	171.0	10,000*				55
	60	73.8	170.4	10,000*	77.2	169.4	10,000*	80.5	167.0	10,000*	60
	65	72.1	168.6	10,000*	75.4	167.6	10,000*	78.7	165.2	10,000*	65
	70	70.3	166.7	10,000*	73.6	165.7	10,000*	76.9	163.2	10,000*	70
	75	68.5	164.6	10,000*	71.8	163.5	10,000*	75.0	161.0	10,000*	75
	80	66.7	162.2	10,000*	69.9	161.2	10,000*	73.1	158.7	10,000*	80
	90	62.9	157.0	10,000*	66.2	155.9	10,000*	69.3	153.3	10,000*	90
	100	59.0	150.9	10,000*	62.2	149.7	10,000*	65.3	147.0	10,000*	100
	110	54.9	143.8	10,000*	58.1	142.5	10,000*	61.1	139.7	10,000*	110
120	40	81.4	185.0	10,000*							40
	45	79.6	183.8	10,000*							45
	50	77.8	182.4	10,000*	81.4	181.4	10,000*				50
	55	76.0	180.9	10,000*	79.6	179.9	10,000*				55
	60	74.2	179.3	10,000*	77.8	178.2	10,000*	81.4	175.7	10,000*	60
	65	72.4	177.4	10,000*	76.0	176.4	10,000*	79.6	173.8	10,000*	65
	70	70.6	175.4	10,000*	74.2	174.3	10,000*	77.8	171.8	10,000*	70
	75	68.8	173.3	10,000*	72.4	172.2	10,000*	76.0	169.6	10,000*	75
	80	66.9	171.1	10,000*	70.6	170.0	10,000*	74.2	167.0	10,000*	80
	90	63.1	165.9	10,000*	66.9	164.8	10,000*	70.6	164.6	10,000*	90
	100	59.3	159.7	10,000*	63.1	158.6	10,000*	66.9	158.8	10,000*	100
	110	55.5	153.5	10,000*	59.3	152.4	10,000*	63.1	152.0	10,000*	110
130	40	82.1	194.1	10,000*							40
	45	80.3	192.8	10,000*							45
	50	78.5	191.4	10,000*	82.1	191.7	10,000*				50
	55	76.7	189.8	10,000*	80.3	190.3	10,000*				55
	60	74.9	188.1	10,000*	78.5	188.7	10,000*	82.1	186.2	10,000*	60
	65	73.1	186.2	10,000*	76.7	187.0	10,000*	80.3	184.4	10,000*	65
	70	71.3	184.2	10,000*	74.9	185.1	10,000*	78.5	182.5	10,000*	70
	75	69.5	182.1	10,000*	73.1	183.0	10,000*	76.7	180.4	10,000*	75
	80	67.7	179.9	10,000*	71.3	180.9	10,000*	74.9	177.8	10,000*	80
	90	63.9	174.7	10,000*	67.7	175.7	10,000*	71.3	175.7	10,000*	90
	100	60.1	168.5	10,000*	63.9	170.3	10,000*	67.7	170.3	10,000*	100
	110	56.3	162.3	10,000*	60.1	164.1	10,000*	63.9	164.1	10,000*	110

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
OFFSET 4-1/2 DEGREES
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	
140	45	80.7	205.4	10,000*							45
	50	79.2	204.3	10,000*							50
	55	77.8	203.1	10,000*	80.6	202.0	10,000*				55
	60	76.3	201.8	10,000*	79.1	200.7	10,000*				60
	65	74.8	200.3	10,000*	77.7	199.2	10,000*	80.5	196.6	10,000*	65
	70	73.4	198.7	10,000*	76.2	197.5	10,000*	79.0	194.9	10,000*	70
	75	71.9	196.9	10,000*	74.7	195.8	10,000*	77.4	193.1	10,000*	75
	80	70.3	195.0	10,000*	73.1	193.8	10,000*	75.9	191.2	10,000*	80
	90	67.3	190.7	10,000*	70.0	189.5	10,000*	72.7	186.8	10,000*	90
	100	64.1	185.7	10,000*	66.9	184.5	10,000*	69.5	181.7	10,000*	100
	110	60.8	180.0	10,000*	63.6	178.8	10,000*	66.2	175.9	10,000*	110
	120	57.5	173.5	10,000*	60.2	172.2	10,000*	62.7	169.2	10,000*	120
	130	54.0	166.2	10,000*	56.6	164.8	10,000*	59.1	161.6	10,000*	130
	140	50.3	157.8	10,000*	52.9	156.3	10,000*	55.3	153.0	10,000*	140
	150	46.3	148.2	10,000*	49.0	146.7	10,000*				150
	160	42.1	137.2	10,000*	44.7	135.5	10,000*				160
	170	37.5	124.2	9,100							170
150	50	79.8	214.6	10,000*							50
	55	78.4	213.4	10,000*							55
	60	77.0	212.1	10,000*	79.7	211.0	10,000*				60
	65	75.6	210.7	10,000*	78.3	209.6	10,000*	80.9	206.9	10,000*	65
	70	74.2	209.2	10,000*	76.9	208.0	10,000*	79.5	205.4	10,000*	70
	75	72.7	207.5	10,000*	75.4	206.3	10,000*	78.1	203.7	10,000*	75
	80	71.3	205.7	10,000*	74.0	204.5	10,000*	76.6	201.8	10,000*	80
	90	68.4	201.6	10,000*	71.1	200.4	10,000*	73.6	197.7	10,000*	90
	100	65.4	197.0	10,000*	68.1	195.7	10,000*	70.6	192.9	10,000*	100
	110	62.4	191.6	10,000*	65.0	190.3	10,000*	67.5	187.4	10,000*	110
	120	59.2	185.6	10,000*	61.8	184.2	10,000*	64.2	181.2	10,000*	120
	130	55.9	178.7	10,000*	58.5	177.3	10,000*	60.9	174.2	10,000*	130
	140	52.5	171.0	10,000*	55.1	169.5	10,000*	57.4	166.2	10,000*	140
	150	49.0	162.2	10,000*	51.5	160.7	10,000*				150
	160	45.1	152.2	9,800	47.6	150.6	10,000*				160
	170	41.0	140.7	8,700							170
	180	36.5	127.4	7,700							180
160	50	80.2	224.8	10,000*							50
	55	78.9	223.7	10,000*							55
	60	77.6	222.5	10,000*	80.2	221.3	10,000*				60
	65	76.2	221.1	10,000*	78.8	220.0	10,000*				65
	70	74.9	219.7	10,000*	77.5	218.5	10,000*	80.0	215.8	10,000*	70
	75	73.6	218.1	10,000*	76.1	216.9	10,000*	78.6	214.2	10,000*	75
	80	72.2	216.4	10,000*	74.7	215.1	10,000*	77.2	212.4	10,000*	80
	90	69.4	212.5	10,000*	72.0	211.3	10,000*	74.4	208.5	10,000*	90
	100	66.6	208.1	10,000*	69.1	206.8	10,000*	71.6	203.9	10,000*	100
	110	63.7	203.0	10,000*	66.2	201.7	10,000*	68.6	198.8	10,000*	110
	120	60.8	197.3	10,000*	63.2	196.0	10,000*	65.6	193.0	10,000*	120
	130	57.7	190.9	10,000*	60.2	189.5	10,000*	62.5	186.4	10,000*	130
	140	54.5	183.7	10,000*	57.0	182.3	10,000*	59.2	179.0	10,000*	140
	150	51.2	175.6	10,000*	53.6	174.1	10,000*	55.8	170.7	10,000*	150
	160	47.7	166.5	9,500	50.1	164.9	9,800				160
	170	44.0	156.1	8,300	46.4	154.4	8,600				170
	180	40.0	144.2	7,400							180
	190	35.6	130.4	6,500							190

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
OFFSET 4-1/2 DEGREES
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	
170	50	80.6	235.0	10,000							50
	55	79.4	233.9	10,000							55
	60	78.1	232.8	10,000	80.6	231.6	10,000				60
	65	76.9	231.5	10,000	79.3	230.3	10,000				65
	70	75.6	230.1	10,000	78.0	228.9	10,000	80.5	226.1	10,000	70
	75	74.3	228.6	10,000	76.7	227.4	10,000	79.2	224.6	10,000	75
	80	73.0	226.9	10,000	75.4	225.7	10,000	77.8	222.9	10,000	80
	90	70.4	223.3	10,000	72.8	222.0	10,000	75.2	219.2	10,000	90
	100	67.7	219.1	10,000	70.1	217.8	10,000	72.4	214.9	10,000	100
	110	65.0	214.3	10,000	67.4	213.0	10,000	69.6	210.0	10,000	110
	120	62.2	208.9	10,000	64.5	207.6	10,000	66.8	204.5	10,000	120
	130	59.3	202.9	10,000	61.6	201.5	10,000	63.8	198.4	10,000	130
	140	56.3	196.1	10,000	58.6	194.7	10,000	60.8	191.5	10,000	140
	150	53.2	188.6	10,000	55.5	187.1	10,000	57.6	183.7	10,000	150
	160	50.0	180.1	9,000	52.3	178.6	9,400				160
	170	46.6	170.6	7,900	48.8	169.0	8,200				170
	180	43.0	159.9	6,900	45.2	158.1	7,200				180
	190	39.1	147.6	6,100							190
	200	34.8	133.4	5,300							200
180	55	79.8	244.2	10,000							55
	60	78.6	243.1	10,000							60
	65	77.4	241.8	10,000	79.8	240.6	10,000				65
	70	76.2	240.5	10,000	78.5	239.3	10,000	80.9	236.5	10,000	70
	75	75.0	239.0	10,000	77.3	237.8	10,000	79.6	235.0	10,000	75
	80	73.7	237.5	10,000	76.1	236.2	10,000	78.4	233.4	10,000	80
	90	71.2	234.0	10,000	73.5	232.7	10,000	75.8	229.9	10,000	90
	100	68.7	230.0	10,000	71.0	228.7	10,000	73.2	225.8	10,000	100
	110	66.1	225.4	10,000	68.4	224.1	10,000	70.6	221.2	10,000	110
	120	63.4	220.3	10,000	65.7	219.0	10,000	67.9	216.0	10,000	120
	130	60.7	214.6	10,000	63.0	213.3	10,000	65.1	210.1	10,000	130
	140	57.9	208.3	10,000	60.2	206.9	10,000	62.2	203.6	10,000	140
	150	55.0	201.2	10,000	57.2	199.7	10,000	59.3	196.4	10,000	150
	160	52.0	193.3	8,700	54.2	191.8	9,100	56.2	188.3	9,500	160
	170	48.9	184.5	7,600	51.0	182.9	8,000				170
	180	45.5	174.7	6,700	47.7	173.0	7,000				180
	190	42.0	163.6	5,800							190
	200	38.2	151.0	5,000							200
190	55	80.2	254.4	10,000							55
	60	79.1	253.3	10,000							60
	65	77.9	252.1	10,000	80.2	250.9	10,000				65
	70	76.7	250.9	10,000	79.0	249.6	10,000				70
	75	75.6	249.5	10,000	77.8	248.2	10,000	80.1	245.4	10,000	75
	80	74.4	248.0	10,000	76.6	246.7	10,000	78.9	243.9	10,000	80
	90	72.0	244.6	10,000	74.2	243.3	10,000	76.4	240.5	10,000	90
	100	69.6	240.8	10,000	71.8	239.5	10,000	73.9	236.6	10,000	100
	110	67.1	236.5	10,000	69.3	235.2	10,000	71.4	232.2	10,000	110
	120	64.6	231.6	10,000	66.8	230.3	10,000	68.9	227.2	10,000	120
	130	62.0	226.2	10,000	64.2	224.8	10,000	66.2	221.7	10,000	130
	140	59.3	220.2	10,000	61.5	218.8	10,000	63.5	215.6	10,000	140
	150	56.6	213.6	9,600	58.8	212.1	10,000	60.7	208.7	10,000	150
	160	53.8	206.2	8,400	55.9	204.6	8,800	57.8	201.2	9,200	160
	170	50.9	198.0	7,300	53.0	196.4	7,700				170
	180	47.8	188.8	6,300	49.9	187.2	6,600				180
	190	44.5	178.7	5,400	46.6	176.9	5,700				190
	200	41.1	167.2	4,600							200
	210	37.4	154.2	3,900							210

MANITOWOC ENGINEERING CO.

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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
OFFSET 4-1/2 DEGREES
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	55	80.6	264.6	10,000							55
	60	79.5	263.5	10,000							60
	65	78.4	262.4	10,000	80.6	261.2	10,000				65
	70	77.3	261.2	10,000	79.4	259.9	10,000				70
	75	76.1	259.9	10,000	78.3	258.6	10,000	80.5	255.7	10,000	75
	80	75.0	258.4	10,000	77.2	257.1	10,000	79.3	254.3	10,000	80
	90	72.7	255.2	10,000	74.9	253.9	10,000	77.0	251.0	10,000	90
	100	70.4	251.6	10,000	72.5	250.2	10,000	74.6	247.3	10,000	100
	110	68.0	247.4	10,000	70.2	246.1	10,000	72.2	243.1	10,000	110
	120	65.6	242.8	10,000	67.7	241.5	10,000	69.8	238.4	10,000	120
	130	63.2	237.7	10,000	65.3	236.3	10,000	67.3	233.1	10,000	130
	140	60.6	232.0	10,000	62.7	230.5	10,000	64.7	227.3	10,000	140
	150	58.1	225.7	9,400	60.1	224.2	9,900	62.1	220.9	10,000	150
	160	55.4	218.7	8,100	57.5	217.2	8,600	59.3	213.7	9,000	160
	170	52.7	211.0	7,000	54.7	209.4	7,400	56.5	205.8	7,800	170
210	180	49.8	202.5	6,000	51.8	200.8	6,400				180
	190	46.8	193.0	5,200	48.8	191.3	5,500				190
	200	43.6	182.5	4,400	45.6	180.7	4,700				200
	210	40.2	170.8	3,700							210
	220	36.6	157.4	3,000							220
	55	81.0	274.7	10,000							55
	60	79.9	273.8	10,000							60
	65	78.8	272.7	10,000	80.9	271.4	10,000				65
	70	77.7	271.5	10,000	79.8	270.2	10,000				70
	75	76.7	270.2	10,000	78.8	268.9	10,000	80.8	266.0	10,000	75
	80	75.6	268.8	10,000	77.7	267.5	10,000	79.7	264.6	10,000	80
	90	73.4	265.8	10,000	75.4	264.4	10,000	77.5	261.5	10,000	90
	100	71.1	262.3	10,000	73.2	260.9	10,000	75.2	258.0	10,000	100
	110	68.9	258.3	10,000	70.9	257.0	10,000	72.9	253.9	10,000	110
	120	66.6	253.9	10,000	68.6	252.5	10,000	70.6	249.4	10,000	120
	130	64.2	249.0	10,000	66.3	247.6	10,000	68.2	244.4	10,000	130
	140	61.8	243.5	10,000	63.9	242.1	10,000	65.7	238.9	10,000	140
	150	59.4	237.5	9,000	61.4	236.1	9,600	63.2	232.8	10,000	150
	160	56.9	231.0	7,800	58.9	229.4	8,200	60.7	226.0	8,700	160
	170	54.3	223.7	6,600	56.2	222.1	7,100	58.0	218.6	7,500	170
	180	51.6	215.7	5,700	53.5	214.1	6,000	55.3	210.4	6,400	180
	190	48.8	206.9	4,800	50.7	205.2	5,100				190
	200	45.8	197.1	4,000	47.7	195.4	4,300				200
	210	42.7	186.3	3,300							210
220	60	80.3	284.0	10,000							60
	65	79.2	282.9	10,000							65
	70	78.2	281.8	10,000	80.2	280.5	10,000				70
	75	77.1	280.5	10,000	79.2	279.2	10,000				75
	80	76.1	279.2	10,000	78.1	277.9	10,000	80.1	275.0	10,000	80
	90	74.0	276.3	10,000	76.0	274.9	10,000	77.9	272.0	10,000	90
	100	71.8	272.9	10,000	73.8	271.6	10,000	75.8	268.6	10,000	100
	110	69.7	269.1	10,000	71.7	267.7	10,000	73.6	264.7	10,000	110
	120	67.5	264.9	10,000	69.4	263.5	10,000	71.3	260.4	10,000	120
	130	65.2	260.2	10,000	67.2	258.8	10,000	69.0	255.6	10,000	130
	140	62.9	255.0	10,000	64.9	253.6	10,000	66.7	250.3	10,000	140
	150	60.6	249.3	8,800	62.5	247.8	9,300	64.3	244.5	9,900	150
	160	58.2	243.0	7,500	60.1	241.5	8,000	61.9	238.1	8,500	160
	170	55.7	236.1	6,400	57.7	234.6	6,900	59.4	231.1	7,300	170
	180	53.2	228.6	5,400	55.1	227.0	5,800	56.8	223.4	6,200	180
	190	50.6	220.3	4,500	52.4	218.6	4,900				190
	200	47.8	211.2	3,800	49.7	209.5	4,100				200
	210	45.0	201.2	3,000	46.8	199.3	3,400				210