

MANITOWOC ENGINEERING CO.

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

LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4000W

**JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22 WITH OPEN THROAT TOP
104,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED
360 DEGREE RATING**

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 6274-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. 4816B, JIB ASSEMBLY NO. 43730 AND WIRE ROPE SPECIFICATION CHART NO. 6664-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, 15' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, 1ST COUNTERWEIGHT = 40,100 LBS., (39,000 LBS. WITH COUNTERWEIGHT ASSEMBLY NO. 48998), 2ND COUNTERWEIGHT = 35,800 LBS., AND 3RD COUNTERWEIGHT = 28,500 LBS.

MAXIMUM CAPACITY ON 1-1/8" - 6 X 25 IPS, IWRC IS 28,300 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
220'	---	200'	---
210'	---	190'	---
200'	40'	180'	50'
190'	60'	170'	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	
110	30	79.8	148.1	40,000*							30
	35	77.7	147.1	40,000*	79.8	146.6	40,000*				35
	40	75.7	145.9	40,000*	77.7	145.4	40,000*	79.7	144.2	40,000*	40
	45	73.6	144.5	40,000*	75.6	144.0	40,000*	77.6	142.7	40,000*	45
	50	71.5	142.9	40,000*	73.5	142.4	40,000*	75.4	141.1	40,000*	50
	55	69.4	141.1	40,000*	71.4	140.6	40,000*	73.3	139.3	40,000*	55
	60	67.2	139.1	40,000*	69.2	138.5	40,000*	71.1	137.2	40,000*	60
	65	65.0	136.8	40,000*	67.0	136.3	40,000*	68.9	134.9	40,000*	65
	70	62.8	134.3	39,100	64.8	133.8	39,800	66.6	132.4	40,000*	70
	80	58.2	128.6	32,400	60.2	128.0	32,900	61.9	126.6	33,400	80
	90	53.4	121.7	27,300	55.3	121.1	27,700	57.0	119.6	28,100	90
	100	48.2	113.4	23,300	50.1	112.8	23,600	51.7	111.1	23,900	100
110	42.5	103.4	20,100	44.4	102.7	20,400				110	
120	36.2	91.1	17,500							120	
120	30	80.5	158.3	40,000*							30
	35	78.6	157.4	40,000*	80.4	156.9	40,000*				35
	40	76.6	156.2	40,000*	78.5	155.7	40,000*	80.4	154.4	40,000*	40
	45	74.7	154.9	40,000*	76.6	154.4	40,000*	78.4	153.1	40,000*	45
	50	72.8	153.4	40,000*	74.6	152.9	40,000*	76.4	151.6	40,000*	50
	55	70.8	151.7	40,000*	72.7	151.2	40,000*	74.4	149.9	40,000*	55
	60	68.8	149.9	40,000*	70.7	149.4	40,000*	72.4	148.0	40,000*	60
	65	66.8	147.8	40,000*	68.6	147.3	40,000*	70.4	145.9	40,000*	65
	70	64.7	145.5	38,500	66.6	145.0	39,200	68.3	143.6	39,900	70
	80	60.5	140.3	31,700	62.3	139.7	32,300	64.0	138.3	32,800	80
	90	56.1	134.0	26,600	57.9	133.4	27,100	59.5	131.9	27,500	90
	100	51.5	126.6	22,600	53.2	126.0	23,000	54.8	124.4	23,400	100
110	46.5	117.8	19,400	48.2	117.1	19,800				110	
120	41.0	107.2	16,800	42.8	106.5	17,100				120	
130	34.9	94.3	14,600							130	

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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	
130	30	81.0	168.4	40,000*	81.0	167.1	40,000*				30
	35	79.3	167.6	40,000*	79.2	166.0	40,000*	81.0	164.7	40,000*	35
	40	77.5	166.5	40,000*	77.4	164.8	40,000*	79.1	163.5	40,000*	40
	45	75.7	165.3	40,000*	75.6	163.4	40,000*	77.3	162.1	40,000*	45
	50	73.8	163.9	40,000*	73.8	161.8	40,000*	75.4	160.5	40,000*	50
	55	72.0	162.3	40,000*	71.9	160.0	40,000*	73.6	158.7	40,000*	55
	60	70.2	160.6	40,000*	70.0	158.1	40,000*	71.7	156.8	40,000*	60
	65	68.3	158.6	40,000*	68.1	156.0	38,900	69.7	154.6	39,600	65
	70	66.4	156.5	38,200	64.2	151.1	32,000	65.8	149.7	32,600	70
	80	62.5	151.7	31,400	60.1	145.3	26,800	61.7	143.9	27,300	80
	90	58.4	145.9	26,300	55.9	138.6	22,700	57.4	137.0	23,100	90
	100	54.2	139.2	22,300	51.4	130.6	19,500	52.8	129.0	19,800	100
	110	49.7	131.3	19,100	46.6	121.3	16,800				110
	120	44.9	122.0	16,500	41.3	110.1	14,500				120
130	39.7	110.9	14,300							130	
140	33.8	97.3	12,400							140	
140	35	79.9	177.7	40,000*	79.9	176.2	40,000*	79.8	173.8	40,000*	35
	40	78.2	176.7	40,000*	78.2	175.1	40,000*	78.1	172.4	40,000*	40
	45	76.5	175.6	40,000*	76.5	173.8	40,000*	76.3	171.0	40,000*	45
	50	74.8	174.3	40,000*	74.7	172.3	40,000*	74.6	169.3	40,000*	50
	55	73.1	172.8	40,000*	73.0	170.7	40,000*	72.8	167.5	40,000*	55
	60	71.3	171.2	40,000*	71.2	168.8	40,000*	71.0	165.5	39,100	60
	65	69.6	169.4	40,000*	69.4	166.9	38,400	67.3	160.9	32,100	65
	70	67.8	167.4	37,600	65.8	162.3	31,500	63.5	155.5	26,700	70
	80	64.2	162.9	30,800	62.1	157.0	26,200	59.6	149.2	22,600	80
	90	60.4	157.6	25,700	58.2	150.8	22,200	55.5	141.9	19,200	90
	100	56.6	151.4	21,700	54.1	143.5	18,900	51.1	133.4	16,500	100
	110	52.5	144.2	18,500	49.7	135.1	16,200				110
	120	48.2	135.8	15,800	45.1	125.3	13,900				120
	130	43.6	126.0	13,700							130
140	38.5	114.4	11,800							140	
150	32.8	100.3	10,200							150	
150	35	80.4	187.9	40,000*	80.4	186.4	40,000*	80.4	184.0	40,000*	35
	40	78.9	186.9	40,000*	78.8	185.4	40,000*	78.7	182.8	40,000*	40
	45	77.3	185.9	40,000*	77.2	184.1	40,000*	77.1	181.4	40,000*	45
	50	75.7	184.6	40,000*	75.6	182.7	40,000*	75.5	179.8	40,000*	50
	55	74.0	183.3	40,000*	74.0	181.2	40,000*	73.8	178.1	40,000*	55
	60	72.4	181.7	40,000*	72.3	179.5	40,000*	72.1	176.2	38,700	60
	65	70.7	180.0	40,000*	70.6	177.6	37,900	68.7	172.0	31,600	65
	70	69.1	178.2	37,100	67.2	173.4	31,000	65.1	167.0	26,300	70
	80	65.7	174.0	30,300	63.7	168.4	25,700				80
	90	62.2	169.0	25,100	60.1	162.7	21,700	61.5	161.1	22,100	90
	100	58.6	163.3	21,200	56.4	156.0	18,400	57.7	154.4	18,800	100
	110	54.9	156.6	17,900	52.4	148.3	15,700	53.7	146.7	16,000	110
	120	50.9	149.0	15,300	48.2	139.5	13,400				120
	130	46.8	140.2	13,100	43.7	129.1	11,500				130
140	42.3	129.9	11,300							140	
150	37.4	117.8	9,700							150	
160	31.8	103.1	8,300							160	
160	35	80.9	198.0	40,000*	80.9	196.6	40,000*	80.9	194.3	40,000*	35
	40	79.4	197.1	40,000*	79.4	195.6	40,000*	79.3	193.1	40,000*	40
	45	77.9	196.1	40,000*	77.9	194.4	40,000*	77.8	191.8	40,000*	45
	50	76.4	195.0	40,000*	76.4	193.1	40,000*	76.2	190.3	40,000*	50
	55	74.9	193.6	40,000*	74.8	191.7	40,000*	74.7	188.7	40,000*	55
	60	73.3	192.2	40,000*	73.3	190.1	40,000*	73.1	186.9	38,200	60
	65	71.8	190.6	40,000*	71.7	188.3	37,400	69.9	182.9	31,100	65
	70	70.2	188.9	36,500	68.5	184.3	30,400	66.6	178.2	25,800	70
	80	67.0	184.9	29,700	65.2	179.7	25,200				80
	90	63.8	180.3	24,500	61.8	174.3	21,100	63.2	172.8	21,600	90
	100	60.4	174.9	20,500	58.4	168.1	17,800	59.6	166.6	18,200	100
	110	56.9	168.7	17,300	54.7	161.1	15,100	56.0	159.4	15,500	110
	120	53.3	161.7	14,700	50.9	153.0	12,800	52.1	151.2	13,200	120
	130	49.5	153.6	12,500	46.8	143.7	10,900				130
140	45.5	144.4	10,600	42.5	132.9	9,300				140	
150	41.1	133.7	9,000							150	
160	36.4	121.1	7,600							160	
170	31.0	105.9	6,400							170	

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		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
170	40	80.0	207.3	40,000*							40
	45	78.5	206.3	40,000*	80.0	205.8	40,000*				45
	50	77.1	205.2	40,000*	78.5	204.7	40,000*	79.9	203.4	40,000*	50
	55	75.6	204.0	40,000*	77.1	203.5	40,000*	78.4	202.1	40,000*	55
	60	74.2	202.6	40,000*	75.6	202.1	40,000*	76.9	200.7	40,000*	60
	65	72.7	201.1	40,000*	74.1	200.6	40,000*	75.5	199.2	40,000*	65
	70	71.2	199.5	36,100	72.6	198.9	37,000	74.0	197.5	37,900	70
	80	68.2	195.7	29,300	69.6	195.2	30,100	70.9	193.8	30,800	80
	90	65.1	191.4	24,200	66.5	190.8	24,800	67.8	189.3	25,500	90
	100	62.0	186.3	20,200	63.4	185.8	20,800	64.6	184.3	21,300	100
	110	58.7	180.6	17,000	60.1	180.0	17,500	61.3	178.4	17,900	110
	120	55.4	174.0	14,300	56.7	173.4	14,800	57.9	171.8	15,200	120
	130	51.9	166.6	12,100	53.2	166.0	12,500	54.4	164.3	12,800	130
	140	48.2	158.2	10,300	49.5	157.5	10,600	50.6	155.7	10,900	140
	150	44.3	148.5	8,700	45.6	147.8	9,000				150
	160	40.0	137.3	7,300	41.3	136.5	7,500				160
	170	35.4	124.3	6,100							170
180	40	80.4	217.5	40,000*							40
	45	79.1	216.5	40,000*	80.4	216.0	40,000*				45
	50	77.7	215.5	40,000*	79.1	215.0	40,000*	80.4	213.6	40,000*	50
	55	76.3	214.3	40,000*	77.7	213.8	40,000*	79.0	212.4	40,000*	55
	60	74.9	213.0	40,000*	76.3	212.5	40,000*	77.6	211.1	40,000*	60
	65	73.5	211.6	39,900	74.9	211.0	40,000*	76.2	209.7	40,000*	65
	70	72.1	210.0	35,600	73.5	209.5	36,600	74.8	208.1	37,500	70
	80	69.3	206.5	28,800	70.6	205.9	29,600	71.9	204.5	30,400	80
	90	66.4	202.3	23,600	67.7	201.8	24,400	68.9	200.3	25,000	90
	100	63.4	197.6	19,600	64.7	197.0	20,200	65.9	195.5	20,800	100
	110	60.4	192.2	16,400	61.7	191.6	17,000	62.9	190.1	17,400	110
	120	57.2	186.1	13,800	58.5	185.5	14,300	59.7	183.9	14,700	120
	130	54.0	179.2	11,600	55.2	178.5	12,000	56.4	176.9	12,400	130
	140	50.5	171.4	9,700	51.8	170.7	10,100	52.9	169.0	10,400	140
	150	47.0	162.5	8,100	48.2	161.8	8,400				150
	160	43.2	152.5	6,700	44.4	151.7	7,000				160
	170	39.1	140.9	5,500	40.3	140.1	5,700				170
180	34.5	127.4	4,400							180	
190	40	80.9	227.6	40,000*							40
	45	79.6	226.7	40,000*	80.9	226.2	40,000*				45
	50	78.3	225.7	40,000*	79.6	225.2	40,000*	80.8	223.8	40,000*	50
	55	76.9	224.6	40,000*	78.2	224.1	40,000*	79.5	222.7	40,000*	55
	60	75.6	223.4	40,000*	76.9	222.8	40,000*	78.2	221.4	40,000*	60
	65	74.3	222.0	39,400	75.6	221.5	40,000*	76.8	220.1	40,000*	65
	70	73.0	220.5	35,100	74.2	220.0	36,100	75.5	218.6	37,100	70
	80	70.3	217.1	28,300	71.5	216.6	29,100	72.7	215.2	30,000	80
	90	67.5	213.2	23,100	68.8	212.7	23,900	70.0	211.2	24,600	90
	100	64.7	208.8	19,100	66.0	208.2	19,800	67.1	206.7	20,400	100
	110	61.8	203.7	15,900	63.1	203.1	16,500	64.2	201.6	17,000	110
	120	58.9	197.9	13,300	60.1	197.3	13,800	61.2	195.7	14,200	120
	130	55.8	191.4	11,100	57.0	190.8	11,500	58.1	189.2	11,900	130
	140	52.6	184.2	9,200	53.9	183.5	9,600	54.9	181.8	9,900	140
	150	49.3	176.0	7,600	50.5	175.3	7,900	51.6	173.5	8,200	150
	160	45.8	166.8	6,200	47.0	166.1	6,500				160
	170	42.1	156.4	5,000	43.3	155.6	5,200				170
200	45	80.0	236.9	40,000*							45
	50	78.8	235.9	40,000*	80.0	235.4	40,000*				50
	55	77.5	234.9	40,000*	78.8	234.3	40,000*	80.0	233.0	40,000*	55
	60	76.3	233.7	40,000*	77.5	233.1	40,000*	78.7	231.8	40,000*	60
	65	75.0	232.4	38,800	76.2	231.8	40,000*	77.4	230.4	40,000*	65
	70	73.7	231.0	34,500	74.9	230.4	35,600	76.1	229.0	36,600	70
	80	71.1	227.8	27,700	72.4	227.2	28,600	73.5	225.8	29,500	80
	90	68.5	224.0	22,500	69.7	223.5	23,300	70.9	222.0	24,100	90
	100	65.9	219.8	18,500	67.1	219.2	19,200	68.2	217.7	19,800	100
	110	63.1	215.0	15,300	64.3	214.4	15,900	65.4	212.9	16,500	110
	120	60.3	209.5	12,700	61.5	208.9	13,200	62.6	207.4	13,700	120
	130	57.5	203.5	10,400	58.6	202.8	10,900	59.7	201.2	11,300	130
	140	54.5	196.6	8,600	55.7	196.0	9,000	56.7	194.3	9,400	140
	150	51.4	189.0	7,000	52.6	188.4	7,300	53.6	186.6	7,700	150
	160	48.2	180.5	5,600	49.3	179.8	5,900	50.3	178.0	6,200	160
	170	44.8	170.9	4,400	45.9	170.2	4,700				170

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		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
110	30	80.7	158.3	30,000*							30
	35	78.8	157.3	30,000*	81.3	156.7	30,000*				35
	40	76.9	156.2	30,000*	79.4	155.6	30,000*				40
	45	74.9	154.9	30,000*	77.4	154.3	30,000*	79.9	152.6	30,000*	45
	50	73.0	153.4	30,000*	75.5	152.8	30,000*	77.9	151.1	30,000*	50
	55	71.0	151.7	30,000*	73.5	151.1	30,000*	75.9	149.4	30,000*	55
	60	69.0	149.9	30,000*	71.5	149.2	30,000*	73.9	147.5	30,000*	60
	65	67.0	147.8	30,000*	69.5	147.1	30,000*	71.8	145.4	30,000*	65
	70	65.0	145.5	30,000*	67.4	144.8	30,000*	69.7	143.1	30,000*	70
	80	60.7	140.2	30,000*	63.2	139.5	30,000*	65.4	137.7	30,000*	80
	90	56.3	134.0	27,600	58.7	133.2	28,100	60.9	131.3	28,500*	90
	100	51.7	126.6	23,600	54.0	125.8	24,000	56.2	123.7	24,500	100
	110	46.7	117.8	20,400	49.0	116.9	20,800	51.1	114.7	21,100	110
120	41.3	107.2	17,700	43.6	106.2	18,100				120	
130	35.2	94.2	15,600							130	
120	30	81.3	168.4	30,000*							30
	35	79.5	167.5	30,000*							35
	40	77.7	166.5	30,000*	80.0	165.8	30,000*				40
	45	75.9	165.3	30,000*	78.2	164.6	30,000*	80.5	163.0	30,000*	45
	50	74.1	163.9	30,000*	76.4	163.2	30,000*	78.7	161.5	30,000*	50
	55	72.2	162.3	30,000*	74.6	161.6	30,000*	76.8	159.9	30,000*	55
	60	70.4	160.6	30,000*	72.7	159.9	30,000*	74.9	158.2	30,000*	60
	65	68.5	158.6	30,000*	70.8	157.9	30,000*	73.0	156.2	30,000*	65
	70	66.6	156.5	30,000*	68.9	155.8	30,000*	71.1	154.1	30,000*	70
	80	62.7	151.7	30,000*	65.0	150.9	30,000*	67.1	149.1	30,000*	80
	90	58.7	145.9	26,900	60.9	145.2	27,500	63.0	143.3	28,100	90
	100	54.4	139.2	22,900	56.7	138.4	23,400	58.7	136.4	23,900	100
	110	50.0	131.3	19,700	52.2	130.4	20,100	54.1	128.3	20,500	110
120	45.2	121.9	17,100	47.3	121.0	17,400				120	
130	39.9	110.8	14,900	42.0	109.8	15,200				130	
140	34.0	97.3	13,000							140	
130	35	80.1	177.7	30,000*							35
	40	78.4	176.7	30,000*	80.6	176.1	30,000*				40
	45	76.7	175.6	30,000*	78.9	174.9	30,000*	81.1	173.2	30,000*	45
	50	75.0	174.3	30,000*	77.2	173.6	30,000*	79.4	171.9	30,000*	50
	55	73.3	172.8	30,000*	75.5	172.1	30,000*	77.6	170.4	30,000*	55
	60	71.6	171.2	30,000*	73.7	170.5	30,000*	75.9	168.8	30,000*	60
	65	69.8	169.4	30,000*	72.0	168.7	30,000*	74.1	166.9	30,000*	65
	70	68.0	167.4	30,000*	70.2	166.7	30,000*	72.3	164.9	30,000*	70
	80	64.4	162.9	30,000*	66.5	162.1	30,000*	68.6	160.3	30,000*	80
	90	60.7	157.6	26,600	62.8	156.8	27,200	64.8	154.9	27,900	90
	100	56.8	151.4	22,600	58.9	150.6	23,100	60.8	148.6	23,700	100
	110	52.7	144.2	19,400	54.8	143.3	19,900	56.7	141.3	20,300	110
	120	48.4	135.8	16,700	50.4	134.9	17,200	52.3	132.7	17,500	120
130	43.8	126.0	14,600	45.8	125.0	14,900				130	
140	38.7	114.4	12,700	40.7	113.3	13,000				140	
150	33.0	100.3	11,100							150	
140	35	80.6	187.9	30,000*							35
	40	79.1	186.9	30,000*	81.1	186.3	30,000*				40
	45	77.5	185.9	30,000*	79.5	185.2	30,000*				45
	50	75.9	184.6	30,000*	77.9	183.9	30,000*	80.0	182.2	30,000*	50
	55	74.2	183.2	30,000*	76.3	182.6	30,000*	78.3	180.8	30,000*	55
	60	72.6	181.7	30,000*	74.7	181.0	30,000*	76.7	179.3	30,000*	60
	65	70.9	180.0	30,000*	73.0	179.3	30,000*	75.0	177.6	30,000*	65
	70	69.3	178.2	30,000*	71.3	177.4	30,000*	73.3	175.7	30,000*	70
	80	65.9	173.9	30,000*	67.9	173.2	30,000*	69.9	171.4	30,000*	80
	90	62.4	169.0	25,900	64.4	168.2	26,700	66.3	166.4	27,400	90
	100	58.8	163.2	22,000	60.8	162.5	22,600	62.7	160.5	23,100	100
	110	55.1	156.6	18,700	57.0	155.8	19,300	58.8	153.8	19,800	110
	120	51.1	149.0	16,100	53.1	148.1	16,600	54.8	146.0	17,000	120
130	47.0	140.1	13,900	48.9	139.2	14,300	50.6	136.9	14,700	130	
140	42.5	129.9	12,100	44.4	128.9	12,400				140	
150	37.6	117.8	10,500							150	
160	32.0	103.1	9,100							160	

MANITOWOC ENGINEERING CO.

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

LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4000W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22 WITH OPEN THROAT TOP
104,400 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	
150	35	81.1	198.0	30,000*							35
	40	79.6	197.1	30,000*							40
	45	78.1	196.1	30,000*	80.1	195.4	30,000*				45
	50	76.6	194.9	30,000*	78.6	194.2	30,000*	80.5	192.5	30,000*	50
	55	75.1	193.6	30,000*	77.0	192.9	30,000*	79.0	191.2	30,000*	55
	60	73.5	192.2	30,000*	75.5	191.5	30,000*	77.4	189.7	30,000*	60
	65	72.0	190.6	30,000*	73.9	189.9	30,000*	75.8	188.1	30,000*	65
	70	70.4	188.8	30,000*	72.3	188.1	30,000*	74.2	186.3	30,000*	70
	80	67.2	184.9	30,000*	69.1	184.1	30,000*	71.0	182.3	30,000*	80
	90	64.0	180.2	25,400	65.9	179.5	26,200	67.7	177.6	26,900	90
	100	60.6	174.9	21,400	62.5	174.1	22,100	64.3	172.2	22,700	100
	110	57.1	168.7	18,200	59.0	167.9	18,800	60.7	165.9	19,300	110
	120	53.5	161.7	15,600	55.4	160.8	16,100	57.0	158.7	16,500	120
	130	49.7	153.6	13,400	51.5	152.7	13,800	53.2	150.5	14,200	130
	140	45.7	144.4	11,500	47.5	143.4	11,900				140
	150	41.3	133.7	9,900	43.1	132.6	10,200				150
	160	36.5	121.1	8,500							160
170	31.2	105.9	7,300							170	
160	40	80.1	207.3	30,000*							40
	45	78.7	206.3	30,000*	80.6	205.6	30,000*				45
	50	77.3	205.2	30,000*	79.1	204.5	30,000*	81.0	202.8	30,000*	50
	55	75.8	204.0	30,000*	77.7	203.3	30,000*	79.5	201.5	30,000*	55
	60	74.4	202.6	30,000*	76.2	201.9	30,000*	78.0	200.1	30,000*	60
	65	72.9	201.1	30,000*	74.7	200.4	30,000*	76.6	198.6	30,000*	65
	70	71.4	199.5	30,000*	73.3	198.7	30,000*	75.0	196.9	30,000*	70
	80	68.4	195.7	29,900	70.2	195.0	30,000*	72.0	193.1	30,000*	80
	90	65.3	191.3	24,800	67.2	190.6	25,700	68.9	188.7	26,400	90
	100	62.2	186.3	20,800	64.0	185.5	21,500	65.7	183.6	22,200	100
	110	58.9	180.6	17,600	60.7	179.8	18,200	62.4	177.8	18,800	110
	120	55.6	174.0	15,000	57.3	173.2	15,500	59.0	171.1	16,000	120
	130	52.1	166.6	12,800	53.8	165.7	13,200	55.4	163.6	13,700	130
	140	48.4	158.1	10,900	50.1	157.2	11,300	51.6	154.9	11,700	140
	150	44.4	148.5	9,300	46.2	147.5	9,600				150
	160	40.2	137.3	7,900	41.9	136.3	8,200				160
	170	35.6	124.3	6,700							170
170	40	80.6	217.5	30,000*							40
	45	79.2	216.5	30,000*	81.0	215.8	30,000*				45
	50	77.9	215.5	30,000*	79.7	214.8	30,000*				50
	55	76.5	214.3	30,000*	78.3	213.6	30,000*	80.0	211.8	30,000*	55
	60	75.1	213.0	30,000*	76.9	212.3	30,000*	78.6	210.5	30,000*	60
	65	73.7	211.6	30,000*	75.5	210.9	30,000*	77.2	209.1	30,000*	65
	70	72.3	210.0	30,000*	74.1	209.3	30,000*	75.8	207.5	30,000*	70
	80	69.5	206.5	29,600	71.2	205.7	30,000*	72.9	203.9	30,000*	80
	90	66.6	202.3	24,400	68.3	201.6	25,300	70.0	199.7	26,100	90
	100	63.6	197.6	20,400	65.3	196.8	21,200	67.0	194.9	21,900	100
	110	60.5	192.2	17,200	62.3	191.4	17,900	63.9	189.4	18,500	110
	120	57.4	186.1	14,600	59.1	185.3	15,200	60.7	183.2	15,700	120
	130	54.1	179.2	12,400	55.8	178.3	12,900	57.3	176.2	13,300	130
	140	50.7	171.4	10,500	52.4	170.5	11,000	53.9	168.2	11,400	140
	150	47.1	162.5	8,900	48.8	161.6	9,300				150
	160	43.3	152.5	7,500	45.0	151.4	7,900				160
	170	39.2	140.9	6,300	40.8	139.8	6,600				170
180	34.7	127.4	5,200							180	

MANITOWOC ENGINEERING CO.

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

LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.6
REQUIREMENTS

4000W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22 WITH OPEN THROAT TOP
104,400 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	40	81.0	227.6	30,000*							40	
	45	79.7	226.7	30,000*							45	
	50	78.4	225.7	30,000*	80.1	225.0	30,000*				50	
	55	77.1	224.6	30,000*	78.8	223.9	30,000*	80.5	222.1	30,000*	55	
	60	75.8	223.4	30,000*		77.5	222.6	30,000*	79.2	220.8	30,000*	60
	65	74.5	222.0	30,000*	76.2	221.3	30,000*	77.8	219.5	30,000*	65	
	70	73.1	220.5	30,000*	74.8	219.8	30,000*	76.5	218.0	30,000*	70	
	80	70.4	217.1	29,000	72.1	216.4	30,000*	73.7	214.5	30,000*	80	
	90	67.7	213.2	23,900	69.3	212.5	24,800	70.9	210.6	25,700	90	
	100	64.9	208.7	19,900	66.5	208.0	20,700	68.1	206.0	21,400	100	
	110	62.0	203.6	16,700	63.6	202.9	17,400	65.2	200.9	18,000	110	
	120	59.0	197.9	14,000	60.7	197.1	14,700	62.2	195.1	15,200	120	
	130	56.0	191.4	11,800	57.6	190.6	12,400	59.1	188.5	12,900	130	
	140	52.8	184.2	10,000	54.4	183.3	10,400	55.8	181.1	10,900	140	
	150	49.5	176.0	8,400	51.1	175.1	8,800	52.5	172.8	9,200	150	
160	46.0	166.8	7,000	47.6	165.8	7,300				160		
170	42.3	156.3	5,700	43.8	155.3	6,100				170		
180	38.3	144.4	4,700							180		
190	45	80.2	236.9	30,000*							45	
	50	78.9	235.9	30,000*	80.6	235.2	30,000*				50	
	55	77.7	234.9	30,000*	79.3	234.1	30,000*	80.9	232.3	30,000*	55	
	60	76.4	233.7	30,000*		78.0	232.9	30,000*	79.6	231.1	30,000*	60
	65	75.1	232.4	30,000*	76.8	231.6	30,000*	78.4	229.8	30,000*	65	
	70	73.9	230.9	30,000*	75.5	230.2	30,000*	77.1	228.4	30,000*	70	
	80	71.3	227.7	28,500	72.9	227.0	29,700	74.5	225.1	30,000*	80	
	90	68.7	224.0	23,400	70.3	223.3	24,400	71.8	221.4	25,300	90	
	100	66.0	219.8	19,400	67.6	219.0	20,200	69.1	217.1	21,000	100	
	110	63.3	214.9	16,100	64.9	214.2	16,900	66.3	212.2	17,600	110	
	120	60.5	209.5	13,500	62.1	208.7	14,200	63.5	206.7	14,800	120	
	130	57.6	203.4	11,300	59.2	202.6	11,900	60.6	200.5	12,400	130	
	140	54.6	196.6	9,400	56.2	195.8	10,000	57.6	193.6	10,400	140	
	150	51.6	189.0	7,800	53.1	188.1	8,300	54.4	185.9	8,700	150	
	160	48.3	180.5	6,400	49.9	179.6	6,800	51.2	177.2	7,200	160	
170	44.9	170.9	5,200	46.4	169.9	5,600				170		
180	41.3	160.1	4,100	42.8	159.0	4,500				180		
200	45	80.6	247.0	30,000*							45	
	50	79.4	246.1	30,000*	81.0	245.4	30,000*				50	
	55	78.2	245.1	30,000*	79.8	244.4	30,000*	81.3	242.6	30,000*	55	
	60	77.0	244.0	30,000*		78.5	243.2	30,000*	80.1	241.4	30,000*	60
	65	75.8	242.7	30,000*	77.3	242.0	30,000*	78.9	240.2	30,000*	65	
	70	74.6	241.4	30,000*	76.1	240.6	30,000*	77.6	238.8	30,000*	70	
	80	72.1	238.3	27,900	73.6	237.5	29,200	75.1	235.7	30,000*	80	
	90	69.6	234.7	22,800	71.1	234.0	23,800	72.6	232.1	24,800	90	
	100	67.1	230.7	18,800	68.6	229.9	19,700	70.0	228.0	20,500	100	
	110	64.5	226.1	15,600	66.0	225.3	16,300	67.4	223.4	17,100	110	
	120	61.8	221.0	12,900	63.3	220.2	13,600	64.7	218.2	14,300	120	
	130	59.1	215.2	10,700	60.6	214.4	11,300	62.0	212.3	11,900	130	
	140	56.3	208.8	8,800	57.8	208.0	9,400	59.1	205.8	9,900	140	
	150	53.4	201.7	7,200	54.9	200.8	7,700	56.2	198.6	8,200	150	
	160	50.4	193.7	5,800	51.9	192.8	6,300	53.2	190.5	6,700	160	
170	47.3	184.9	4,600	48.7	183.9	5,000				170		

MANITOWOC ENGINEERING CO.

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

LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4000W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22 WITH OPEN THROAT TOP
104,400 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	
110	35	79.8	167.7	20,000*	80.9	166.0	20,000*	80.2	161.6	20,000*	35
	40	78.0	166.7	20,000*	79.1	164.8	20,000*	78.3	160.0	20,000*	40
	45	76.2	165.5	20,000*	77.3	163.4	20,000*	76.5	158.3	20,000*	45
	50	74.4	164.1	20,000*	75.4	161.9	20,000*	74.6	156.4	20,000*	50
	55	72.5	162.6	20,000*	73.6	160.2	20,000*	72.8	154.3	20,000*	55
	60	70.7	160.9	20,000*	71.7	158.3	20,000*	70.9	152.4	20,000*	60
	65	68.8	159.0	20,000*	69.8	156.2	20,000*	69.0	149.4	20,000*	65
	70	66.9	156.9	20,000*	67.9	154.1	20,000*	67.1	146.5	20,000*	70
	80	63.0	152.1	20,000*	65.9	151.4	20,000*	65.1	143.6	20,000*	80
	90	59.0	146.5	20,000*	61.8	145.7	20,000*	61.0	140.7	20,000*	90
	100	54.8	139.8	20,000*	57.6	139.0	20,000*	56.8	136.8	20,000*	100
	110	50.3	132.1	20,000*	53.1	131.2	20,000*	52.3	128.8	20,000*	110
	120	45.6	122.9	18,000	48.3	121.9	18,400	47.5	119.4	18,800	120
	130	40.4	112.0	15,800	43.1	110.9	16,200				130
140	34.6	98.7	14,000							140	
120	35	80.4	177.9	20,000*	79.8	175.1	20,000*	79.0	171.9	20,000*	35
	40	78.7	176.9	20,000*	78.0	173.8	20,000*	77.2	170.5	20,000*	40
	45	77.0	175.8	20,000*	76.2	172.4	20,000*	75.4	168.8	20,000*	45
	50	75.3	174.5	20,000*	74.5	170.8	20,000*	73.7	165.1	20,000*	50
	55	73.6	173.1	20,000*	72.8	169.0	20,000*	72.0	160.5	20,000*	55
	60	71.8	171.5	20,000*	71.0	167.0	20,000*	70.2	155.2	20,000*	60
	65	70.1	169.7	20,000*	69.3	165.3	20,000*	68.5	149.0	20,000*	65
	70	68.3	167.8	20,000*	67.5	162.6	20,000*	66.7	141.7	20,000*	70
	80	64.7	163.3	20,000*	63.7	157.3	20,000*	62.9	133.2	18,300	80
	90	61.0	158.1	20,000*	59.8	151.2	20,000*	59.0	126.0	15,600	90
	100	57.1	152.0	20,000*	55.7	144.0	20,000*	54.9	117.4	13,600	100
	110	53.0	144.9	20,000*	51.4	135.7	17,900				110
	120	48.8	136.6	17,400	46.7	126.0	15,600				120
	130	44.2	127.0	15,200	41.7	114.4	13,600				130
140	39.1	115.5	13,300							140	
150	33.5	101.7	11,700							150	
130	35	80.9	188.0	20,000*	80.3	185.4	20,000*	81.3	182.2	20,000*	35
	40	79.3	187.1	20,000*	78.7	184.1	20,000*	79.7	180.9	20,000*	40
	45	77.7	186.1	20,000*	77.1	182.8	20,000*	78.0	179.3	20,000*	45
	50	76.1	184.9	20,000*	75.5	181.3	20,000*	76.3	177.6	20,000*	50
	55	74.5	183.5	20,000*	73.9	179.6	20,000*	74.6	175.8	20,000*	55
	60	72.9	182.0	20,000*	72.4	177.8	20,000*	71.2	171.6	20,000*	60
	65	71.2	180.3	20,000*	70.8	176.0	20,000*	69.7	166.6	20,000*	65
	70	69.5	178.5	20,000*	69.3	174.2	20,000*	68.2	160.8	20,000*	70
	80	66.2	174.4	20,000*	65.2	168.7	20,000*	64.0	154.1	20,000*	80
	90	62.7	169.5	20,000*	61.6	163.0	20,000*	60.2	146.4	18,000	90
	100	59.1	163.8	20,000*	57.9	156.4	20,000*	56.2	137.5	15,700	100
	110	55.4	157.3	19,700	53.9	148.8	17,600				110
	120	51.5	149.7	17,000	49.8	140.1	15,300				120
	130	47.3	141.0	14,800	45.3	129.9	13,300				130
140	42.9	130.9	13,000	40.4	117.8	11,700				140	
150	38.0	119.0	11,400							150	
160	32.5	104.6	10,000							160	
140	35	81.4	198.2	20,000*	80.8	195.6	20,000*	80.2	191.2	20,000*	35
	40	79.9	197.3	20,000*	79.3	194.4	20,000*	78.7	189.8	20,000*	40
	45	78.4	196.3	20,000*	77.8	193.2	20,000*	77.1	188.2	20,000*	45
	50	76.8	195.2	20,000*	76.2	191.7	20,000*	75.5	186.4	20,000*	50
	55	75.3	193.9	20,000*	74.7	190.1	20,000*	73.9	184.5	20,000*	55
	60	73.8	192.5	20,000*	73.1	188.4	20,000*	72.3	182.4	20,000*	60
	65	72.2	190.9	20,000*	71.5	186.5	20,000*	70.8	177.8	20,000*	65
	70	70.7	189.2	20,000*	69.9	184.5	20,000*	69.0	172.4	20,000*	70
	80	67.5	185.3	20,000*	66.6	179.9	20,000*	65.5	166.2	20,000*	80
	90	64.2	180.7	20,000*	63.3	174.6	20,000*	62.0	151.0	15,200	90
	100	60.9	175.4	20,000*	59.8	168.5	19,700				100
	110	57.4	169.3	19,100	56.2	161.5	17,000				110
	120	53.8	162.4	16,400	52.4	153.5	14,700				120
	130	50.0	154.4	14,200	48.3	144.3	12,800				130
140	46.0	145.3	12,300	44.0	133.6	11,100				140	
150	41.7	134.7	10,700							150	
160	37.0	122.3	9,300							160	
170	31.7	107.5	8,100							170	

MANITOWOC ENGINEERING CO.

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

LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4000W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22 WITH OPEN THROAT TOP
104,400 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	
150	40	80.4	207.5	20,000*							40
	45	78.9	206.5	20,000*	81.3	205.8	20,000*				45
	50	77.5	205.4	20,000*	79.9	204.7	20,000*				50
	55	76.0	204.2	20,000*	78.4	203.5	20,000*	80.7	201.5	20,000*	55
	60	74.6	202.9	20,000*	76.9	202.1	20,000*	79.2	200.1	20,000*	60
	65	73.1	201.4	20,000*	75.5	200.6	20,000*	77.8	198.6	20,000*	65
	70	71.6	199.8	20,000*	74.0	199.0	20,000*	76.2	197.0	20,000*	70
	80	68.6	195.1	20,000*	71.0	195.3	20,000*	73.2	193.2	20,000*	80
	90	65.6	191.8	20,000*	67.9	191.0	20,000*	70.1	188.9	20,000*	90
	100	62.4	186.8	20,000*	64.7	186.0	20,000*	66.9	183.8	20,000*	100
	110	59.2	181.1	18,500	61.5	180.3	19,200	63.6	178.0	19,900	110
	120	55.8	174.7	15,900	58.1	173.8	16,500	60.2	171.5	17,100	120
	130	52.3	167.3	13,700	54.6	166.4	14,200	56.6	164.0	14,700	130
	140	48.7	159.0	11,800	50.9	158.0	12,300	52.9	155.4	12,700	140
	150	44.8	149.4	10,200	47.0	148.4	10,600				150
	160	40.6	138.4	8,800	42.7	137.3	9,200				160
	170	36.0	125.6	7,600							170
	180	30.8	110.2	6,500							180
160	40	80.8	217.6	20,000*							40
	45	79.5	216.7	20,000*							45
	50	78.1	215.7	20,000*	80.3	214.9	20,000*				50
	55	76.7	214.5	20,000*	79.0	213.8	20,000*	81.2	211.8	20,000*	55
	60	75.3	213.3	20,000*	77.6	212.5	20,000*	79.8	210.5	20,000*	60
	65	73.9	211.9	20,000*	76.2	211.1	20,000*	78.4	209.0	20,000*	65
	70	72.5	210.3	20,000*	74.8	209.5	20,000*	76.9	207.5	20,000*	70
	80	69.7	206.8	20,000*	71.9	206.0	20,000*	74.0	203.9	20,000*	80
	90	66.8	202.7	20,000*	69.0	201.9	20,000*	71.1	199.8	20,000*	90
	100	63.8	198.1	20,000*	66.0	197.2	20,000*	68.1	195.1	20,000*	100
	110	60.8	192.7	17,900	63.0	191.9	18,700	65.0	189.6	19,400	110
	120	57.6	186.7	15,300	59.8	185.8	16,000	61.8	183.5	16,600	120
	130	54.4	179.9	13,100	56.5	178.9	13,700	58.5	176.5	14,200	130
	140	51.0	172.1	11,200	53.1	171.2	11,700	55.0	168.6	12,200	140
	150	47.4	163.4	9,600	49.5	162.4	10,000	51.4	159.7	10,400	150
	160	43.7	153.5	8,200	45.7	152.4	8,600				160
	170	39.6	142.1	7,000	41.6	140.9	7,300				170
	180	35.1	128.8	5,900							180
170	40	81.2	227.8	20,000*							40
	45	79.9	226.9	20,000*							45
	50	78.6	225.9	20,000*	80.8	225.1	20,000*				50
	55	77.3	224.8	20,000*	79.5	224.0	20,000*				55
	60	76.0	223.6	20,000*	78.1	222.8	20,000*	80.2	220.8	20,000*	60
	65	74.7	222.3	20,000*	76.8	221.5	20,000*	78.9	219.4	20,000*	65
	70	73.3	220.8	20,000*	75.5	220.0	20,000*	77.5	217.9	20,000*	70
	80	70.6	217.5	20,000*	72.8	216.7	20,000*	74.8	214.6	20,000*	80
	90	67.9	213.6	20,000*	70.0	212.8	20,000*	72.0	210.7	20,000*	90
	100	65.1	209.2	20,000*	67.2	208.4	20,000*	69.2	206.2	20,000*	100
	110	62.2	204.2	17,500	64.3	203.3	18,400	66.3	201.1	19,100	110
	120	59.3	198.5	14,900	61.3	197.6	15,600	63.3	195.3	16,300	120
	130	56.2	192.1	12,700	58.3	191.2	13,300	60.2	188.8	13,900	130
	140	53.1	184.9	10,800	55.1	183.9	11,400	56.9	181.4	11,900	140
	150	49.8	176.8	9,200	51.8	175.8	9,700	53.6	173.2	10,100	150
	160	46.3	167.7	7,800	48.3	166.6	8,200				160
	170	42.6	157.4	6,600	44.6	156.2	7,000				170
	180	38.6	145.6	5,500	40.6	144.3	5,800				180
190	34.3	131.9	4,500							190	

MANITOWOC ENGINEERING CO.

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

LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4000W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22 WITH OPEN THROAT TOP
104,400 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	45	80.4	237.1	20,000*							45
	50	79.1	236.1	20,000*	81.2	235.3	20,000*				50
	55	77.9	235.1	20,000*	79.9	234.3	20,000*				55
	60	76.6	233.9	20,000*	78.7	233.1	20,000*	80.7	231.1	20,000*	60
	65	75.3	232.6	20,000*	77.4	231.8	20,000*	79.4	229.8	20,000*	65
	70	74.1	231.2	20,000*	76.1	230.4	20,000*	78.1	228.4	20,000*	70
	80	71.5	228.1	20,000*	73.5	227.3	20,000*	75.5	225.1	20,000*	80
	90	68.9	224.4	20,000*	70.9	223.6	20,000*	72.8	221.4	20,000*	90
	100	66.2	220.2	20,000*	68.2	219.4	20,000*	70.1	217.2	20,000*	100
	110	63.5	215.4	17,000	65.5	214.6	17,900	67.4	212.3	18,700	110
	120	60.7	210.1	14,400	62.7	209.2	15,100	64.6	206.9	15,800	120
	130	57.9	204.0	12,100	59.8	203.1	12,800	61.6	200.8	13,400	130
	140	54.9	197.3	10,300	56.9	196.4	10,900	58.6	193.9	11,400	140
	150	51.8	189.8	8,700	53.8	188.8	9,200	55.5	186.2	9,700	150
160	48.6	181.3	7,300	50.5	180.3	7,700	52.2	177.6	8,200	160	
170	45.2	171.9	6,000	47.1	170.8	6,500				170	
180	41.6	161.2	4,900	43.5	160.0	5,300				180	
190	37.8	149.0	4,000							190	
190	45	80.8	247.2	20,000*							45
	50	79.6	246.3	20,000*							50
	55	78.4	245.3	20,000*	80.3	244.5	20,000*				55
	60	77.2	244.2	20,000*	79.1	243.4	20,000*	81.1	241.3	20,000*	60
	65	76.0	243.0	20,000*	77.9	242.2	20,000*	79.8	240.1	20,000*	65
	70	74.7	241.6	20,000*	76.7	240.8	20,000*	78.6	238.7	20,000*	70
	80	72.3	238.6	20,000*	74.2	237.8	20,000*	76.1	235.7	20,000*	80
	90	69.8	235.1	20,000*	71.7	234.3	20,000*	73.6	232.1	20,000*	90
	100	67.3	231.1	19,700	69.2	230.3	20,000*	71.0	228.1	20,000*	100
	110	64.7	226.6	16,500	66.6	225.7	17,400	68.4	223.5	18,300	110
	120	62.0	221.5	13,800	63.9	220.6	14,600	65.7	218.3	15,400	120
	130	59.3	215.8	11,600	61.2	214.9	12,300	63.0	212.5	13,000	130
	140	56.5	209.4	9,700	58.4	208.5	10,400	60.1	206.1	11,000	140
	150	53.7	202.4	8,100	55.5	201.4	8,700	57.2	198.9	9,200	150
160	50.7	194.5	6,700	52.5	193.5	7,200	54.2	190.9	7,700	160	
170	47.5	185.8	5,500	49.4	184.7	6,000	51.0	181.9	6,400	170	
180	44.2	176.0	4,400	46.1	174.8	4,800				180	

MANITOWOC ENGINEERING CO.

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

LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4000W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22 WITH OPEN THROAT TOP
104,400 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	
110	35	80.1	177.9	10,000*							35
	40	78.4	176.9	10,000*							40
	45	76.7	175.8	10,000*	80.0	175.2	10,000*				45
	50	75.0	174.5	10,000*	78.3	173.9	10,000*				50
	55	73.3	173.1	10,000*	76.6	172.4	10,000*	79.9	170.5	10,000*	55
	60	71.5	171.5	10,000*	74.9	170.8	10,000*	78.2	168.8	10,000*	60
	65	69.8	169.7	10,000*	73.1	169.1	10,000*	76.4	167.0	10,000*	65
	70	68.0	167.8	10,000*	71.3	167.1	10,000*	74.6	165.1	10,000*	70
	80	64.4	163.3	10,000*	67.7	162.6	10,000*	70.9	160.5	10,000*	80
	90	60.7	158.1	10,000*	63.9	157.4	10,000*	67.1	155.2	10,000*	90
	100	56.8	152.0	10,000*	60.1	151.2	10,000*	63.2	149.0	10,000*	100
	110	52.8	144.9	10,000*	56.0	144.1	10,000*	59.0	141.7	10,000*	110
	120	48.5	136.6	10,000*	51.7	135.8	10,000*	54.6	133.2	10,000*	120
	130	43.9	127.0	10,000*	47.0	126.1	10,000*				130
	140	38.9	115.6	10,000*	42.0	114.5	10,000*				140
150	33.2	101.7	10,000*							150	
120	35	80.6	188.1	10,000*							35
	40	79.0	187.1	10,000*							40
	45	77.4	186.1	10,000*	80.6	185.4	10,000*				45
	50	75.8	184.9	10,000*	79.0	184.2	10,000*				50
	55	74.2	183.5	10,000*	77.4	182.9	10,000*	80.5	180.8	10,000*	55
	60	72.6	182.0	10,000*	75.7	181.3	10,000*	78.9	179.3	10,000*	60
	65	70.9	180.4	10,000*	74.1	179.7	10,000*	77.2	177.6	10,000*	65
	70	69.3	178.5	10,000*	72.4	177.8	10,000*	75.5	175.8	10,000*	70
	80	65.9	174.4	10,000*	69.0	173.7	10,000*	72.1	171.5	10,000*	80
	90	62.4	169.5	10,000*	65.5	168.8	10,000*	68.5	166.6	10,000*	90
	100	58.8	163.8	10,000*	61.9	163.1	10,000*	64.9	160.8	10,000*	100
	110	55.1	157.3	10,000*	58.2	156.5	10,000*	61.1	154.1	10,000*	110
	120	51.2	149.8	10,000*	54.2	148.9	10,000*	57.1	146.4	10,000*	120
	130	47.0	141.0	10,000*	50.1	140.2	10,000*	52.8	137.5	10,000*	130
	140	42.6	130.9	10,000*	45.6	130.0	10,000*				140
150	37.7	119.0	10,000*	40.7	117.9	10,000*				150	
160	32.3	104.6	10,000*							160	
130	35	81.1	198.2	10,000*							35
	40	79.6	197.3	10,000*							40
	45	78.1	196.3	10,000*							45
	50	76.5	195.2	10,000*	79.6	194.5	10,000*				50
	55	75.1	193.9	10,000*	78.0	193.2	10,000*	81.0	191.1	10,000*	55
	60	73.5	192.5	10,000*	76.5	191.8	10,000*	79.5	189.7	10,000*	60
	65	72.0	190.9	10,000*	74.9	190.2	10,000*	77.9	188.1	10,000*	65
	70	70.4	189.2	10,000*	73.4	188.5	10,000*	76.3	186.4	10,000*	70
	80	67.2	185.3	10,000*	70.2	184.6	10,000*	73.1	182.4	10,000*	80
	90	64.0	180.7	10,000*	66.9	180.0	10,000*	69.8	177.7	10,000*	90
	100	60.6	175.4	10,000*	63.5	174.7	10,000*	66.4	172.4	10,000*	100
	110	57.1	169.4	10,000*	60.0	168.6	10,000*	62.8	166.2	10,000*	110
	120	53.5	162.4	10,000*	56.4	161.6	10,000*	59.1	159.1	10,000*	120
	130	49.8	154.4	10,000*	52.6	153.6	10,000*	55.3	150.9	10,000*	130
	140	45.7	145.3	10,000*	48.6	144.4	10,000*	51.1	141.6	10,000*	140
150	41.4	134.7	10,000*	44.2	133.7	10,000*				150	
160	36.7	122.4	10,000*							160	
170	31.4	107.5	8,900							170	
140	40	80.1	207.5	10,000*							40
	45	78.7	206.5	10,000*							45
	50	77.3	205.5	10,000*	80.1	204.8	10,000*				50
	55	75.8	204.2	10,000*	78.6	203.5	10,000*				55
	60	74.3	202.9	10,000*	77.2	202.2	10,000*	80.0	200.1	10,000*	60
	65	72.9	201.4	10,000*	75.7	200.7	10,000*	78.5	198.6	10,000*	65
	70	71.4	199.8	10,000*	74.2	199.1	10,000*	77.0	196.9	10,000*	70
	80	68.4	196.1	10,000*	71.2	195.4	10,000*	74.0	193.2	10,000*	80
	90	65.3	191.8	10,000*	68.1	191.0	10,000*	70.9	188.8	10,000*	90
	100	62.2	186.8	10,000*	65.0	186.1	10,000*	67.7	183.7	10,000*	100
	110	58.9	181.2	10,000*	61.7	180.4	10,000*	64.4	178.0	10,000*	110
	120	55.6	174.7	10,000*	58.3	173.9	10,000*	60.9	171.4	10,000*	120
	130	52.1	167.4	10,000*	54.8	166.5	10,000*	57.4	163.9	10,000*	130
	140	48.4	159.0	10,000*	51.1	158.1	10,000*	53.6	155.3	10,000*	140
	150	44.5	149.5	10,000*	47.2	148.5	10,000*				150
160	40.4	138.5	9,500	43.0	137.4	9,900				160	
170	35.8	125.6	8,300							170	
180	30.6	110.2	7,200							180	

MANITOWOC ENGINEERING CO.

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

LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4000W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22 WITH OPEN THROAT TOP
104,400 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	
150	40	80.6	217.6	10,000*							40
	45	79.2	216.7	10,000*							45
	50	77.9	215.7	10,000*	80.6	215.0	10,000*				50
	55	76.5	214.6	10,000*	79.2	213.8	10,000*				55
	60	75.1	213.3	10,000*	77.8	212.6	10,000*	80.5	210.4	10,000*	60
	65	73.7	211.9	10,000*	76.4	211.1	10,000*	79.1	209.0	10,000*	65
	70	72.3	210.3	10,000*	75.0	209.6	10,000*	77.7	207.4	10,000*	70
	80	69.5	206.8	10,000*	72.1	206.1	10,000*	74.8	203.9	10,000*	80
	90	66.6	202.8	10,000*	69.2	202.0	10,000*	71.8	199.7	10,000*	90
	100	63.6	198.1	10,000*	66.3	197.3	10,000*	68.8	195.0	10,000*	100
	110	60.6	192.8	10,000*	63.2	192.0	10,000*	65.7	189.6	10,000*	110
	120	57.4	186.7	10,000*	60.0	185.9	10,000*	62.5	183.4	10,000*	120
	130	54.2	179.9	10,000*	56.8	179.0	10,000*	59.2	176.4	10,000*	130
	140	50.8	172.2	10,000*	53.4	171.3	10,000*	55.8	168.5	10,000*	140
	150	47.2	163.4	10,000*	49.8	162.5	10,000*	52.1	159.6	10,000*	150
160	43.4	153.5	9,000	46.0	152.5	9,400				160	
170	39.4	142.1	7,800	41.9	141.0	8,100				170	
180	34.9	128.8	6,700							180	
160	40	81.0	227.8	10,000*							40
	45	79.7	226.9	10,000*							45
	50	78.4	225.9	10,000*	81.0	225.2	10,000*				50
	55	77.1	224.8	10,000*	79.7	224.1	10,000*				55
	60	75.8	223.6	10,000*	78.4	222.9	10,000*	80.9	220.7	10,000*	60
	65	74.5	222.3	10,000*	77.0	221.5	10,000*	79.6	219.3	10,000*	65
	70	73.1	220.8	10,000*	75.7	220.1	10,000*	78.2	217.9	10,000*	70
	80	70.4	217.5	10,000*	73.0	216.7	10,000*	75.5	214.5	10,000*	80
	90	67.7	213.6	10,000*	70.2	212.9	10,000*	72.7	210.6	10,000*	90
	100	64.9	209.2	10,000*	67.4	208.4	10,000*	69.9	206.1	10,000*	100
	110	62.0	204.2	10,000*	64.5	203.4	10,000*	67.0	201.0	10,000*	110
	120	59.0	198.5	10,000*	61.6	197.7	10,000*	64.0	195.2	10,000*	120
	130	56.0	192.1	10,000*	58.5	191.2	10,000*	60.9	188.7	10,000*	130
	140	52.8	184.9	10,000*	55.3	184.0	10,000*	57.6	181.3	10,000*	140
	150	49.5	176.8	9,800	52.0	175.9	10,000*	54.3	173.1	10,000*	150
160	46.1	167.7	8,400	48.5	166.7	8,900	50.7	163.8	9,300	160	
170	42.4	157.4	7,100	44.8	156.3	7,600				170	
180	38.4	145.6	6,100	40.8	144.4	6,400				180	
190	34.1	131.9	5,100							190	
170	45	80.2	237.1	10,000*							45
	50	78.9	236.1	10,000*							50
	55	77.7	235.1	10,000*	80.1	234.3	10,000*				55
	60	76.4	233.9	10,000*	78.9	233.2	10,000*				60
	65	75.1	232.6	10,000*	77.6	231.9	10,000*	80.1	229.7	10,000*	65
	70	73.9	231.2	10,000*	76.3	230.5	10,000*	78.8	228.3	10,000*	70
	80	71.3	228.1	10,000*	73.7	227.3	10,000*	76.2	225.0	10,000*	80
	90	68.7	224.4	10,000*	71.1	223.6	10,000*	73.5	221.3	10,000*	90
	100	66.0	220.2	10,000*	68.4	219.4	10,000*	70.8	217.1	10,000*	100
	110	63.3	215.4	10,000*	65.7	214.6	10,000*	68.1	212.2	10,000*	110
	120	60.5	210.1	10,000*	62.9	209.2	10,000*	65.2	206.8	10,000*	120
	130	57.6	204.1	10,000*	60.0	203.2	10,000*	62.3	200.6	10,000*	130
	140	54.7	197.3	10,000*	57.1	196.4	10,000*	59.3	193.8	10,000*	140
	150	51.6	189.8	9,400	54.0	188.9	10,000*	56.2	186.1	10,000*	150
	160	48.4	181.4	8,000	50.8	180.4	8,500	52.9	177.5	9,000	160
170	45.0	171.9	6,800	47.4	170.9	7,200				170	
180	41.4	161.2	5,700	43.7	160.1	6,100				180	
190	37.6	149.0	4,700							190	

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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	
180	45	80.6	247.2	10,000*							45
	50	79.4	246.3	10,000*							50
	55	78.2	245.3	10,000*	80.5	244.6	10,000*				55
	60	77.0	244.2	10,000*	79.3	243.5	10,000*				60
	65	75.8	243.0	10,000*	78.1	242.2	10,000*	80.5	240.0	10,000*	65
	70	74.5	241.6	10,000*	76.9	240.9	10,000*	79.3	238.6	10,000*	70
	80	72.1	238.6	10,000*	74.4	237.9	10,000*	76.8	235.6	10,000*	80
	90	69.6	235.1	10,000*	71.9	234.3	10,000*	74.2	232.0	10,000*	90
	100	67.1	231.1	10,000*	69.4	230.3	10,000*	71.7	228.0	10,000*	100
	110	64.5	226.6	10,000*	66.8	225.8	10,000*	69.0	223.4	10,000*	110
	120	61.8	221.5	10,000*	64.1	220.7	10,000*	66.4	218.2	10,000*	120
	130	59.1	215.8	10,000*	61.4	215.0	10,000*	63.6	212.4	10,000*	130
	140	56.3	209.5	10,000*	58.6	208.6	10,000*	60.8	206.0	10,000*	140
	150	53.5	202.4	8,800	55.7	201.5	9,500	57.8	198.8	10,000*	150
	160	50.5	194.5	7,400	52.7	193.6	8,000	54.8	190.8	8,500	160
	170	47.3	185.8	6,200	49.6	184.8	6,700	51.6	181.8	7,200	170
180	44.0	176.0	5,100	46.3	174.9	5,600				180	
190	40.5	164.9	4,200	42.7	163.8	4,600				190	
190	45	80.9	257.4	10,000*							45
	50	79.8	256.5	10,000*							50
	55	78.6	255.5	10,000*	80.9	254.8	10,000*				55
	60	77.5	254.5	10,000*	79.8	253.7	10,000*				60
	65	76.3	253.3	10,000*	78.6	252.5	10,000*	80.9	250.3	10,000*	65
	70	75.2	252.0	10,000*	77.4	251.2	10,000*	79.7	249.0	10,000*	70
	80	72.8	249.1	10,000*	75.1	248.3	10,000*	77.3	246.0	10,000*	80
	90	70.4	245.8	10,000*	72.7	245.0	10,000*	74.9	242.6	10,000*	90
	100	68.0	242.0	10,000*	70.3	241.2	10,000*	72.4	238.8	10,000*	100
	110	65.5	237.6	10,000*	67.8	236.8	10,000*	70.0	234.4	10,000*	110
	120	63.0	232.8	10,000*	65.3	232.0	10,000*	67.4	229.5	10,000*	120
	130	60.5	227.4	10,000*	62.7	226.5	10,000*	64.8	224.0	10,000*	130
	140	57.8	221.4	9,900	60.0	220.5	10,000*	62.1	217.9	10,000*	140
	150	55.1	214.7	8,300	57.3	213.8	9,000	59.4	211.1	9,600	150
	160	52.3	207.4	6,900	54.5	206.4	7,500	56.5	203.6	8,100	160
	170	49.4	199.2	5,700	51.6	198.2	6,200	53.5	195.3	6,700	170
180	46.3	190.1	4,600	48.5	189.1	5,100	50.4	186.0	5,500	180	
190				45.2	178.9	4,100				190	