

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

MEETS
ANSI B30.5
REQUIREMENTS

3950W

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 7308-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. 160926, JIB ASSEMBLY NO. 43730 AND WIRE ROPE SPECIFICATION CHART NO. 6668-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, 16'6" RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-1/4" BOOM PENDANTS, 1ST COUNTERWEIGHT = 43,000 LBS., 2ND COUNTERWEIGHT = 30,000 LBS., AND 3RD COUNTERWEIGHT = 29,400 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
260'	---	240'	---
250'	---	230'	---
240'	30'	220'	40'
230'	50'	210'	60'
220'	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	
90	30	80.7	126.9	40,000*							30
	35	78.3	125.7	40,000*	80.7	125.0	40,000*				35
	40	75.9	124.2	40,000*	78.2	123.6	40,000*	80.5	122.2	40,000*	40
	45	73.5	122.6	40,000*	75.8	122.0	40,000*	78.0	120.5	40,000*	45
	50	71.0	120.7	40,000*	73.3	120.0	40,000*	75.5	118.6	40,000*	50
	55	68.4	118.5	40,000*	70.7	117.9	40,000*	72.9	116.4	40,000*	55
	60	65.8	116.1	40,000*	68.1	115.4	40,000*	70.2	113.9	39,200*	60
	65	63.2	113.4	40,000*	65.4	112.7	40,000*	67.5	111.2	37,500*	65
	70	60.4	110.4	40,000*	62.7	109.7	40,000*	64.7	108.1	36,000*	70
	75	57.6	107.0	40,000*	59.8	106.3	40,000*	61.8	104.6	34,700*	75
100	80	54.7	103.3	37,900	56.9	102.5	38,300	58.8	100.8	33,500*	80
	90	48.5	94.4	32,300	50.6	93.6	32,600				90
	100	41.5	83.3	28,000							100
	35	79.2	136.0	40,000*	79.2	134.0	40,000*				35
	40	77.0	134.7	40,000*	76.9	132.5	40,000*	79.0	131.0	40,000*	40
110	45	74.8	133.1	40,000*	74.6	130.7	40,000*	76.6	129.3	40,000*	45
	50	72.5	131.4	40,000*	72.3	128.8	40,000*	74.3	127.3	40,000*	50
	55	70.1	129.4	40,000*	69.9	126.5	40,000*	71.9	125.0	40,000*	55
	60	67.8	127.2	40,000*	67.5	124.1	40,000*	69.4	122.5	38,700*	60
	65	65.4	124.8	40,000*	65.0	121.3	40,000*	66.9	119.7	37,200*	65
	70	62.9	122.1	40,000*	62.4	118.3	40,000*	64.3	116.6	35,800*	70
	75	60.4	119.0	40,000*	59.8	114.9	37,800	61.7	113.2	34,600*	75
	80	57.8	115.7	37,400	54.3	107.1	32,100				80
	90	52.3	108.0	31,800	48.3	97.6	27,700				90
	100	46.4	98.5	27,500							100
	110	39.7	86.7	24,000							110

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MEETS
ANSI B30.5
REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

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	35	80.0	146.2	40,000*							35
	40	77.9	145.0	40,000*	79.9	144.3	40,000*				40
	45	75.9	143.6	40,000*	77.9	142.9	40,000*	79.8	141.4	40,000*	45
	50	73.8	142.0	40,000*	75.7	141.3	40,000*	77.6	139.8	40,000*	50
	55	71.6	140.2	40,000*	73.6	139.5	40,000*	75.5	138.0	40,000*	55
	60	69.5	138.2	40,000*	71.4	137.5	40,000*	73.3	135.9	40,000*	60
	65	67.2	135.9	40,000*	69.2	135.2	40,000*	71.0	133.6	39,700*	65
	70	65.0	133.4	40,000*	66.9	132.7	40,000*	68.7	131.1	38,200*	70
	75	62.7	130.7	40,000*	64.6	129.9	40,000*	66.4	128.3	36,900*	75
	80	60.4	127.7	36,900	62.3	126.9	37,400	64.0	125.2	35,700*	80
	90	55.5	120.8	31,300	57.4	120.0	31,700	59.0	118.2	32,000	90
	100	50.3	112.5	27,000	52.1	111.6	27,300				100
120	110	44.6	102.4	23,500	46.3	101.4	23,700				110
	120	38.1	90.0	20,600							120
130	35	80.7	156.4	40,000*							35
	40	78.8	155.3	40,000*	80.6	154.6	40,000*				40
	45	76.8	154.0	40,000*	78.7	153.3	40,000*	80.5	151.8	40,000*	45
	50	74.9	152.5	40,000*	76.7	151.8	40,000*	78.5	150.3	40,000*	50
	55	72.9	150.8	40,000*	74.7	150.1	40,000*	76.5	148.6	40,000*	55
	60	70.9	149.0	40,000*	72.7	148.2	40,000*	74.5	146.7	40,000*	60
	65	68.8	146.9	40,000*	70.7	146.2	40,000*	72.4	144.6	40,000*	65
	70	66.8	144.6	40,000*	68.6	143.9	40,000*	70.3	142.2	39,200*	70
	75	64.7	142.1	39,900	66.5	141.3	40,000*	68.1	139.7	37,900*	75
	80	62.5	139.3	36,500	64.3	138.6	37,000	66.0	136.9	36,600*	80
	90	58.1	133.1	30,900	59.9	132.3	31,300	61.4	130.5	31,700	90
	100	53.4	125.6	26,600	55.1	124.8	26,900	56.7	122.9	27,200	100
140	110	48.4	116.8	23,100	50.1	115.9	23,300				110
	120	42.9	106.2	20,200							120
	130	36.8	93.1	17,800							130
150	40	79.5	165.6	40,000*							40
	45	77.6	164.4	40,000*	79.4	163.6	40,000*				45
	50	75.8	163.0	40,000*	77.6	162.2	40,000*	79.2	160.7	40,000*	50
	55	74.0	161.4	40,000*	75.7	160.7	40,000*	77.4	159.1	40,000*	55
	60	72.1	159.7	40,000*	73.8	158.9	40,000*	75.5	157.3	40,000*	60
	65	70.2	157.7	40,000*	71.9	157.0	40,000*	73.6	155.4	40,000*	65
	70	68.3	155.6	40,000*	70.0	154.9	40,000*	71.6	153.2	40,000*	70
	75	66.4	153.3	39,600	68.1	152.5	40,000*	69.6	150.9	38,800*	75
	80	64.4	150.8	36,200	66.1	150.0	36,700	67.6	148.3	37,200*	80
	90	60.3	145.0	30,600	62.0	144.2	31,000	63.5	142.4	31,400	90
	100	56.1	138.2	26,200	57.7	137.4	26,600	59.2	135.5	26,900	100
	110	51.6	130.3	22,700	53.2	129.4	23,000				110
160	120	46.7	121.0	19,800	48.3	120.0	20,100				120
	130	41.5	109.8	17,400							130
	40	80.1	175.8	40,000*							40
	45	78.4	174.7	40,000*	80.0	173.9	40,000*				45
	50	76.7	173.4	40,000*	78.3	172.6	40,000*	79.9	171.1	40,000*	50
	55	74.9	171.9	40,000*	76.6	171.2	40,000*	78.1	169.6	40,000*	55
	60	73.2	170.3	40,000*	74.8	169.5	40,000*	76.4	167.9	40,000*	60
	65	71.4	168.5	40,000*	73.0	167.7	40,000*	74.6	166.1	40,000*	65
	70	69.6	166.5	40,000*	71.2	165.7	40,000*	72.8	164.1	40,000*	70
	75	67.8	164.3	39,200	69.4	163.5	39,800	70.9	161.9	39,600*	75
	80	66.0	162.0	35,800	67.6	161.2	36,300	69.1	159.5	36,900	80
	90	62.2	156.7	30,200	63.8	155.8	30,700	65.2	154.1	31,100	90
170	100	58.3	150.4	25,800	59.9	149.6	26,200	61.3	147.8	26,600	100
	110	54.2	143.2	22,300	55.8	142.3	22,700	57.1	140.4	22,900	110
	120	49.9	134.8	19,400	51.4	133.8	19,700				120
	130	45.2	125.0	17,000	46.7	123.9	17,300				130
	140	40.1	113.3	15,000							140

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REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

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	
150	40	80.6	186.0	40,000*							40
	45	79.0	184.9	40,000*	80.6	184.2	40,000*				45
	50	77.4	183.7	40,000*	79.0	183.0	40,000*	80.5	181.4	40,000*	50
	55	75.8	182.3	40,000*	77.3	181.6	40,000*	78.8	180.0	40,000*	55
	60	74.1	180.8	40,000*	75.7	180.0	40,000*	77.2	178.4	40,000*	60
	65	72.5	179.1	40,000*	74.0	178.3	40,000*	75.5	176.7	40,000*	65
	70	70.8	177.3	40,000*	72.3	176.5	40,000*	73.8	174.8	40,000*	70
	75	69.1	175.2	38,800	70.6	174.4	39,400	72.1	172.8	38,700*	75
	80	67.4	173.0	35,300	68.9	172.2	35,900	70.3	170.5	36,500	80
	90	63.9	168.1	29,700	65.4	167.3	30,200	66.8	165.5	30,700	90
	100	60.3	162.3	25,400	61.8	161.5	25,800	63.1	159.7	26,200	100
	110	56.5	155.7	21,800	58.0	154.8	22,200	59.3	152.9	22,500	110
	120	52.6	148.0	19,000	54.0	147.1	19,300				120
	130	48.4	139.2	16,600	49.8	138.2	16,800				130
	140	43.9	128.8	14,500							140
	150	38.9	116.7	12,800							150
160	45	79.6	195.2	40,000*							45
	50	78.1	194.0	40,000*	79.6	193.3	40,000*				50
	55	76.5	192.7	40,000*	78.0	191.9	40,000*	79.4	190.3	40,000*	55
	60	75.0	191.3	40,000*	76.5	190.5	40,000*	77.9	188.9	40,000*	60
	65	73.4	189.7	40,000*	74.9	188.9	40,000*	76.3	187.3	40,000*	65
	70	71.9	187.9	40,000*	73.3	187.1	40,000*	74.7	185.5	39,300*	70
	75	70.3	186.0	38,400	71.7	185.2	39,100	73.1	183.6	37,700*	75
	80	68.7	184.0	34,900	70.1	183.2	35,600	71.4	181.5	36,100*	80
	90	65.4	179.3	29,300	66.8	178.5	29,900	68.1	176.8	30,400	90
	100	62.0	174.0	25,000	63.4	173.1	25,400	64.7	171.3	25,800	100
	110	58.5	167.8	21,400	59.9	166.9	21,800	61.1	165.0	22,200	110
	120	54.9	160.7	18,600	56.2	159.8	18,900	57.4	157.9	19,200	120
	130	51.0	152.7	16,200	52.4	151.7	16,400				130
	140	47.0	143.4	14,100	48.3	142.3	14,400				140
	150	42.6	132.6	12,400							150
	160	37.8	119.9	10,800							160
170	45	80.1	205.4	40,000*							45
	50	78.7	204.3	40,000*	80.1	203.5	40,000*				50
	55	77.2	203.1	40,000*	78.6	202.3	40,000*	80.0	200.7	40,000*	55
	60	75.8	201.7	40,000*	77.2	200.9	40,000*	78.5	199.3	40,000*	60
	65	74.3	200.2	40,000*	75.7	199.4	40,000*	77.0	197.7	40,000*	65
	70	72.8	198.5	40,000*	74.2	197.7	40,000*	75.5	196.1	38,400*	70
	75	71.3	196.7	38,100	72.7	195.9	38,800	74.0	194.3	36,700*	75
	80	69.8	194.8	34,700	71.1	194.0	35,300	72.4	192.3	35,200*	80
	90	66.7	190.4	29,000	68.0	189.6	29,600	69.3	187.9	30,100	90
	100	63.5	185.4	24,700	64.9	184.5	25,100	66.1	182.8	25,600	100
	110	60.3	179.6	21,200	61.6	178.8	21,600	62.8	176.9	21,900	110
	120	56.9	173.1	18,300	58.2	172.2	18,600	59.3	170.2	18,900	120
	130	53.3	165.6	15,900	54.6	164.7	16,200				130
	140	49.6	157.1	13,800	50.9	156.1	14,100				140
	150	45.7	147.4	12,100	46.9	146.4	12,300				150
	160	41.4	136.2	10,500							160
	170	36.8	123.1	9,200							170

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REQUIREMENTS

3950W

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OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

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	
180	45	80.6	215.6	40,000*							45
	50	79.2	214.5	40,000*	80.6	213.8	40,000*				50
	55	77.8	213.4	40,000*	79.2	212.6	40,000*	80.5	210.9	40,000*	55
	60	76.4	212.1	40,000*	77.8	211.3	40,000*	79.1	209.6	40,000*	60
	65	75.0	210.6	40,000*	76.4	209.8	40,000*	77.6	208.2	39,300*	65
	70	73.6	209.1	40,000*	75.0	208.3	40,000*	76.2	206.6	37,500*	70
	75	72.2	207.4	37,800	73.5	206.6	38,500*	74.8	204.9	35,900*	75
	80	70.8	205.5	34,300	72.1	204.7	35,000	73.3	203.0	34,400*	80
	90	67.9	201.4	28,700	69.2	200.6	29,300	70.4	198.8	29,800	90
	100	64.9	196.7	24,300	66.2	195.8	24,800	67.3	194.0	25,300	100
	110	61.8	191.3	20,800	63.1	190.4	21,200	64.2	188.5	21,600	110
	120	58.7	185.1	17,900	59.9	184.2	18,300	61.0	182.3	18,600	120
	130	55.4	178.2	15,500	56.6	177.3	15,800	57.7	175.3	16,100	130
	140	51.9	170.4	13,500	53.2	169.4	13,800				140
	150	48.3	161.5	11,700	49.5	160.5	12,000				150
	160	44.5	151.4	10,200							160
	170	40.4	139.8	8,800							170
190	50	79.7	224.8	40,000*							50
	55	78.4	223.7	40,000*	79.7	222.9	40,000*	80.9	221.2	40,000*	55
	60	77.1	222.4	40,000*	78.3	221.6	40,000*	79.6	220.0	40,000*	60
	65	75.7	221.1	40,000*	77.0	220.3	40,000*	78.2	218.6	38,200*	65
	70	74.4	219.6	40,000*	75.7	218.8	39,300*	76.9	217.1	36,500*	70
	75	73.0	217.9	37,300	74.3	217.1	37,500*	75.5	215.4	34,900*	75
	80	71.7	216.2	33,900	72.9	215.4	34,600	74.1	213.7	33,400*	80
	90	68.9	212.3	28,300	70.2	211.5	28,900	71.3	209.7	29,500	90
	100	66.1	207.8	23,900	67.3	207.0	24,400	68.5	205.2	24,900	100
	110	63.2	202.7	20,400	64.4	201.8	20,800	65.5	200.0	21,200	110
	120	60.2	197.0	17,500	61.4	196.1	17,900	62.5	194.2	18,200	120
	130	57.2	190.5	15,100	58.3	189.5	15,400	59.4	187.6	15,700	130
	140	54.0	183.2	13,000	55.1	182.2	13,300				140
	150	50.7	175.0	11,200	51.8	174.0	11,500				150
	160	47.1	165.8	9,700	48.3	164.7	10,000				160
	170	43.4	155.3	8,400							170
	180	39.4	143.2	7,200							180
200	50	80.2	235.0	40,000*							50
	55	78.9	233.9	40,000*	80.1	233.1	40,000*				55
	60	77.6	232.7	40,000*	78.9	231.9	40,000*	80.0	230.3	39,300*	60
	65	76.4	231.4	40,000*	77.6	230.6	40,000*	78.7	228.9	37,300*	65
	70	75.1	230.0	40,000*	76.3	229.2	38,400*	77.4	227.5	35,600*	70
	75	73.8	228.5	37,000	75.0	227.7	36,600*	76.1	225.9	34,000*	75
	80	72.5	226.8	33,500	73.7	226.0	34,300	74.8	224.3	32,600*	80
	90	69.9	223.1	27,900	71.1	222.2	28,500	72.2	220.5	29,100	90
	100	67.2	218.8	23,500	68.4	218.0	24,000	69.5	216.2	24,600	100
	110	64.5	214.0	20,000	65.6	213.1	20,400	66.7	211.3	20,900	110
	120	61.7	208.6	17,100	62.8	207.7	17,500	63.8	205.8	17,900	120
	130	58.8	202.5	14,600	59.9	201.6	15,000	60.9	199.6	15,400	130
	140	55.8	195.7	12,600	56.9	194.7	12,900	57.9	192.7	13,200	140
	150	52.7	188.0	10,800	53.8	187.0	11,100				150
	160	49.4	179.5	9,300	50.5	178.4	9,600				160
	170	46.0	169.9	8,000	47.1	168.8	8,200				170
	180	42.4	159.0	6,800							180
	190	38.5	146.6	5,700							190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

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	
210	50	80.6	245.2	40,000*							50
	55	79.4	244.1	40,000*	80.5	243.3	40,000*				55
	60	78.2	243.0	40,000*	79.3	242.2	40,000*	80.5	240.5	38,100*	60
	65	76.9	241.8	40,000*	78.1	241.0	39,600*	79.2	239.3	36,500*	65
	70	75.7	240.4	40,000*	76.9	239.6	37,600*	78.0	237.9	34,800*	70
	75	74.5	238.9	36,700	75.6	238.1	35,800*	76.7	236.4	33,300*	75
	80	73.3	237.4	33,200	74.4	236.5	34,000	75.5	234.8	31,800*	80
	90	70.7	233.8	27,600	71.9	233.0	28,300	73.0	231.2	28,900	90
	100	68.2	229.8	23,200	69.3	228.9	23,800	70.4	227.1	24,300	100
	110	65.6	225.2	19,700	66.7	224.3	20,200	67.7	222.5	20,600	110
	120	62.9	220.0	16,800	64.0	219.1	17,200	65.1	217.3	17,600	120
	130	60.2	214.3	14,300	61.3	213.4	14,700	62.3	211.4	15,100	130
	140	57.4	207.9	12,300	58.5	206.9	12,600	59.4	204.9	13,000	140
	150	54.5	200.7	10,500	55.6	199.7	10,800				150
	160	51.5	192.7	9,000	52.5	191.7	9,300				160
	170	48.3	183.9	7,700	49.4	182.8	7,900				170
220	180	45.0	173.9	6,500							180
	190	41.4	162.7	5,400							190
	200	37.6	149.9	4,500							200
	55	79.8	254.4	40,000*	80.9	253.5	40,000*				55
	60	78.6	253.3	40,000*	79.8	252.5	40,000*	80.8	250.8	37,200*	60
	65	77.5	252.1	40,000*	78.6	251.3	38,800*	79.7	249.6	35,700*	65
	70	76.3	250.8	40,000*	77.4	250.0	36,800*	78.5	248.3	34,000*	70
	75	75.1	249.4	36,300	76.2	248.6	35,000*	77.3	246.8	32,500*	75
	80	73.9	247.9	32,800	75.0	247.0	33,400*	76.1	245.3	31,100*	80
	90	71.5	244.5	27,200	72.6	243.6	27,900	73.7	241.9	28,600	90
	100	69.1	240.6	22,800	70.2	239.7	23,400	71.2	238.0	24,000	100
	110	66.6	236.2	19,300	67.7	235.4	19,800	68.7	233.6	20,300	110
	120	64.1	231.4	16,400	65.2	230.5	16,800	66.2	228.6	17,300	120
	130	61.5	225.9	13,900	62.6	225.0	14,400	63.5	223.1	14,700	130
	140	58.9	219.8	11,900	59.9	218.9	12,300	60.8	216.9	12,600	140
	150	56.1	213.1	10,100	57.2	212.1	10,500	58.1	210.1	10,800	150
	160	53.3	205.6	8,600	54.3	204.6	8,900				160
	170	50.4	197.3	7,300	51.4	196.3	7,500				170
	180	47.3	188.1	6,100	48.3	187.0	6,300				180
	190	44.0	177.9	5,000							190
	200	40.6	166.3	4,100							200
230	55	80.2	264.6	40,000*	80.2	262.7	39,900*				55
	60	79.1	263.5	40,000*	79.0	261.6	37,800*	80.1	259.8	34,900*	60
	65	78.0	262.4	40,000*	77.9	260.3	35,800*	78.9	258.6	33,200*	65
	70	76.8	261.1	39,000*	76.8	258.9	34,100*	77.8	257.2	31,700*	70
	75	75.7	259.8	36,000	75.6	257.5	32,500*	76.6	255.8	30,300*	75
	80	74.6	258.3	32,500	73.3	254.2	27,600	74.3	252.5	27,800*	80
	90	72.3	255.1	26,800	71.0	250.5	23,100	72.0	248.7	23,700	90
	100	69.9	251.4	22,400	68.6	246.3	19,500	69.6	244.5	20,000	100
	110	67.6	247.2	18,900	66.2	241.7	16,500	67.2	239.8	17,000	110
	120	65.2	242.5	16,000	63.7	236.4	14,000	64.7	234.5	14,400	120
	130	62.7	237.4	13,600	61.2	230.7	11,900	62.1	228.7	12,300	130
	140	60.2	231.6	11,500	58.6	224.3	10,100	59.5	222.3	10,400	140
	150	57.6	225.2	9,800	55.9	217.2	8,500	56.8	215.1	8,800	150
	160	54.9	218.2	8,200	53.2	209.4	7,200				160
	170	52.2	210.4	6,900	50.3	200.8	6,000				170
	180	49.3	201.8	5,700	47.2	191.2	4,900				180
	190	46.3	192.3	4,600							190

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

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	
240	55	80.6	274.7	40,000*							55
	60	79.5	273.7	40,000*	80.5	272.9	38,900*				60
	65	78.4	272.6	40,000*	79.4	271.8	36,900*	80.5	270.1	34,100*	65
	70	77.3	271.4	38,000*	78.4	270.6	35,000*	79.4	268.9	32,400*	70
	75	76.2	270.1	35,600	77.3	269.3	33,300*	78.3	267.6	30,900*	75
	80	75.2	268.7	32,100	76.2	267.9	31,700*	77.2	266.2	29,500*	80
	90	73.0	265.6	26,500	74.0	264.8	27,200	74.9	263.0	27,100*	90
	100	70.7	262.1	22,000	71.7	261.2	22,700	72.7	259.4	23,300	100
	110	68.5	258.1	18,500	69.5	257.2	19,100	70.4	255.4	19,600	110
	120	66.2	253.6	15,600	67.2	252.7	16,100	68.1	250.9	16,600	120
	130	63.8	248.7	13,200	64.8	247.8	13,600	65.7	245.9	14,100	130
	140	61.4	243.2	11,100	62.4	242.3	11,500	63.3	240.3	11,900	140
	150	59.0	237.2	9,400	59.9	236.2	9,700	60.8	234.2	10,100	150
	160	56.4	230.5	7,800	57.4	229.5	8,200	58.2	227.5	8,400	160
	170	53.8	223.2	6,500	54.8	222.2	6,800				170
	180	51.1	215.1	5,300	52.1	214.1	5,600				180
	190	48.3	206.2	4,200	49.2	205.1	4,500				190

REFERENCE ONLY

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

MEETS
ANSI B30.5
REQUIREMENTS

3950W

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	
90	35	79.8	135.9	30,000*							35
	40	77.6	134.6	30,000*	80.5	133.8	30,000*				40
	45	75.4	133.1	30,000*	78.2	132.3	30,000*				45
	50	73.1	131.4	30,000*	75.9	130.6	30,000*	78.7	128.7	30,000*	50
	55	70.7	129.4	30,000*	73.6	128.6	30,000*	76.3	126.7	30,000*	55
	60	68.4	127.2	30,000*	71.2	126.4	30,000*	73.9	124.5	30,000*	60
	65	66.0	124.8	30,000*	68.8	123.9	30,000*	71.4	122.0	29,300*	65
	70	63.5	122.0	30,000*	66.3	121.1	30,000*	68.9	119.2	28,100*	70
	75	61.0	119.0	30,000*	63.7	118.1	30,000*	66.3	116.1	27,000*	75
	80	58.4	115.7	30,000*	61.1	114.7	30,000*	63.7	112.6	26,000*	80
	90	52.9	108.0	30,000*	55.6	106.9	28,400*	58.0	104.7	24,300*	90
100	47.0	98.5	28,200	49.6	97.4	26,300*				100	
110	40.3	86.7	24,700							110	
100	35	80.6	146.2	30,000*							35
	40	78.5	145.0	30,000*							40
	45	76.4	143.6	30,000*	79.1	142.7	30,000*				45
	50	74.3	142.0	30,000*	77.0	141.1	30,000*	79.5	139.2	30,000*	50
	55	72.2	140.2	30,000*	74.8	139.3	30,000*	77.4	137.4	30,000*	55
	60	70.0	138.1	30,000*	72.6	137.3	30,000*	75.1	135.3	30,000*	60
	65	67.8	135.9	30,000*	70.4	135.0	30,000*	72.9	133.0	30,000*	65
	70	65.6	133.4	30,000*	68.1	132.5	30,000*	70.6	130.5	28,900*	70
	75	63.3	130.7	30,000*	65.8	129.7	30,000*	68.2	127.7	27,800*	75
	80	60.9	127.7	30,000*	63.5	126.7	30,000*	65.8	124.6	26,800*	80
	90	56.0	120.8	30,000*	58.5	119.7	29,700*	60.8	117.5	25,000*	90
100	50.8	112.5	27,700	53.3	111.3	27,500*				100	
110	45.1	102.4	24,200	47.5	101.2	24,500				110	
120	38.7	89.9	21,300							120	
110	40	79.3	155.3	30,000*							40
	45	77.3	154.0	30,000*	79.8	153.1	30,000*				45
	50	75.4	152.5	30,000*	77.9	151.6	30,000*	80.3	149.7	30,000*	50
	55	73.4	150.8	30,000*	75.9	149.9	30,000*	78.2	148.0	30,000*	55
	60	71.4	148.9	30,000*	73.8	148.0	30,000*	76.2	146.1	30,000*	60
	65	69.4	146.9	30,000*	71.8	145.9	30,000*	74.1	143.9	30,000*	65
	70	67.3	144.6	30,000*	69.7	143.6	30,000*	72.0	141.6	29,600*	70
	75	65.2	142.1	30,000*	67.6	141.1	30,000*	69.9	139.0	28,500*	75
	80	63.0	139.3	30,000*	65.4	138.3	30,000*	67.7	136.2	27,500*	80
	90	58.6	133.0	30,000*	61.0	132.0	30,000*	63.1	129.8	25,800*	90
	100	53.9	125.6	27,200	56.2	124.5	27,600	58.3	122.1	24,300*	100
110	48.9	116.8	23,700	51.2	115.6	24,000				110	
120	43.4	106.1	20,800							120	
130	37.3	93.1	18,400							130	
120	40	79.9	165.5	30,000*							40
	45	78.1	164.3	30,000*	80.5	163.4	30,000*				45
	50	76.3	162.9	30,000*	78.6	162.0	30,000*				50
	55	74.5	161.4	30,000*	76.8	160.4	30,000*	79.0	158.5	30,000*	55
	60	72.6	159.6	30,000*	74.9	158.7	30,000*	77.1	156.7	30,000*	60
	65	70.7	157.7	30,000*	73.0	156.7	30,000*	75.2	154.7	30,000*	65
	70	68.8	155.6	30,000*	71.1	154.6	30,000*	73.2	152.6	30,000*	70
	75	66.8	153.3	30,000*	69.1	152.3	30,000*	71.3	150.2	29,200*	75
	80	64.9	150.7	30,000*	67.1	149.7	30,000*	69.2	147.6	28,200*	80
	90	60.8	145.0	30,000*	63.0	143.9	30,000*	65.1	141.7	26,500*	90
	100	56.5	138.2	26,800	58.7	137.1	27,300	60.7	134.8	25,000*	100
110	52.0	130.3	23,300	54.2	129.1	23,700				110	
120	47.2	120.9	20,400	49.3	119.6	20,700				120	
130	41.9	109.7	18,000							130	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

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	
130	40	80.5	175.8	30,000*							40
	45	78.8	174.6	30,000*							45
	50	77.1	173.3	30,000*	79.3	172.4	30,000*				50
	55	75.4	171.9	30,000*	77.6	170.9	30,000*	79.7	168.9	30,000*	55
	60	73.6	170.2	30,000*	75.8	169.3	30,000*	77.9	167.2	30,000*	60
	65	71.9	168.4	30,000*	74.0	167.4	30,000*	76.1	165.4	30,000*	65
	70	70.1	166.4	30,000*	72.2	165.5	30,000*	74.3	163.4	30,000*	70
	75	68.3	164.3	30,000*	70.4	163.3	30,000*	72.5	161.2	29,800*	75
	80	66.5	161.9	30,000*	68.6	160.9	30,000*	70.6	158.8	28,800*	80
	90	62.7	156.6	30,000*	64.8	155.6	30,000*	66.7	153.3	27,100*	90
	100	58.8	150.4	26,500	60.9	149.3	27,000	62.7	147.0	25,600*	100
	110	54.7	143.2	23,000	56.7	142.0	23,400	58.5	139.6	23,700	110
	120	50.3	134.8	20,100	52.3	133.5	20,400				120
	130	45.7	124.9	17,700	47.6	123.6	17,900				130
	140	40.6	113.2	15,600							140
140	45	79.5	184.9	30,000*							45
	50	77.8	183.7	30,000*	79.9	182.7	30,000*				50
	55	76.2	182.3	30,000*	78.3	181.3	30,000*	80.3	179.3	30,000*	55
	60	74.6	180.8	30,000*	76.6	179.8	30,000*	78.6	177.7	30,000*	60
	65	72.9	179.1	30,000*	75.0	178.1	30,000*	76.9	176.0	30,000*	65
	70	71.2	177.2	30,000*	73.3	176.2	30,000*	75.2	174.1	30,000*	70
	75	69.6	175.2	30,000*	71.6	174.2	30,000*	73.5	172.0	30,000*	75
	80	67.8	173.0	30,000*	69.9	171.9	30,000*	71.8	169.8	29,400*	80
	90	64.3	168.0	30,000*	66.3	167.0	30,000*	68.2	164.7	27,700*	90
	100	60.7	162.3	26,100	62.7	161.2	26,600	64.5	158.9	26,200*	100
	110	56.9	155.6	22,600	58.9	154.5	23,000	60.6	152.1	23,400	110
	120	53.0	148.0	19,700	54.9	146.7	20,000				120
	130	48.8	139.1	17,300	50.7	137.8	17,600				130
	140	44.3	128.8	15,200							140
	150	39.3	116.6	13,500							150
150	45	80.0	195.1	30,000*							45
	50	78.5	194.0	30,000*	80.5	193.0	30,000*				50
	55	77.0	192.7	30,000*	78.9	191.7	30,000*	80.8	189.6	30,000*	55
	60	75.4	191.2	30,000*	77.4	190.2	30,000*	79.2	188.1	30,000*	60
	65	73.8	189.6	30,000*	75.8	188.6	30,000*	77.7	186.5	30,000*	65
	70	72.3	187.9	30,000*	74.2	186.9	30,000*	76.1	184.7	30,000*	70
	75	70.7	186.0	30,000*	72.6	184.9	30,000*	74.4	182.8	30,000*	75
	80	69.1	183.9	30,000*	71.0	182.9	30,000*	72.8	180.7	30,000*	80
	90	65.8	179.3	30,000*	67.7	178.2	30,000*	69.5	176.0	28,300*	90
	100	62.4	173.9	25,600	64.3	172.8	26,200	66.0	170.5	26,700	100
	110	58.9	167.7	22,100	60.8	166.6	22,600	62.4	164.2	23,000	110
	120	55.3	160.7	19,200	57.1	159.5	19,600	58.7	157.0	20,000	120
	130	51.4	152.6	16,800	53.2	151.3	17,100				130
	140	47.4	143.3	14,700	49.1	141.9	15,000				140
	150	43.0	132.5	13,000							150
	160	38.2	119.9	11,400							160
160	45	80.5	205.3	30,000*							45
	50	79.1	204.2	30,000*							50
	55	77.6	203.0	30,000*	79.5	202.0	30,000*				55
	60	76.1	201.6	30,000*	78.0	200.6	30,000*	79.8	198.5	30,000*	60
	65	74.7	200.1	30,000*	76.5	199.1	30,000*	78.3	197.0	30,000*	65
	70	73.2	198.5	30,000*	75.0	197.4	30,000*	76.8	195.3	30,000*	70
	75	71.7	196.7	30,000*	73.5	195.6	30,000*	75.3	193.5	30,000*	75
	80	70.2	194.7	30,000*	72.0	193.7	30,000*	73.7	191.5	30,000*	80
	90	67.1	190.4	29,600	68.9	189.3	30,000*	70.6	187.1	28,800*	90
	100	63.9	185.3	25,200	65.7	184.2	25,800	67.3	181.9	26,400	100
	110	60.6	179.6	21,700	62.4	178.4	22,200	64.0	176.1	22,700	110
	120	57.3	173.0	18,800	59.0	171.8	19,200	60.6	169.4	19,700	120
	130	53.7	165.6	16,400	55.4	164.3	16,800				130
	140	50.0	157.1	14,300	51.7	155.8	14,700				140
	150	46.1	147.4	12,600	47.7	146.0	12,800				150
	160	41.8	136.2	11,000							160
	170	37.2	123.0	9,700							170

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

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	
170	50	79.6	214.5	30,000*							50
	55	78.2	213.3	30,000*	80.0	212.3	30,000*				55
	60	76.8	212.0	30,000*	78.6	211.0	30,000*	80.3	208.9	30,000*	60
	65	75.4	210.6	30,000*	77.2	209.5	30,000*	78.9	207.4	30,000*	65
	70	74.0	209.0	30,000*	75.8	208.0	30,000*	77.4	205.8	30,000*	70
	75	72.6	207.3	30,000*	74.3	206.3	30,000*	76.0	204.1	30,000*	75
	80	71.1	205.5	30,000*	72.9	204.4	30,000*	74.5	202.2	30,000*	80
	90	68.2	201.4	29,300	70.0	200.3	30,000*	71.6	198.0	28,800*	90
	100	65.2	196.6	24,900	67.0	195.5	25,600	68.5	193.2	26,100	100
	110	62.2	191.2	21,400	63.9	190.1	21,900	65.4	187.7	22,400	110
	120	59.0	185.1	18,500	60.7	183.9	19,000	62.2	181.4	19,400	120
	130	55.7	178.2	16,100	57.4	176.9	16,500	58.8	174.4	16,900	130
	140	52.3	170.3	14,000	53.9	169.0	14,400				140
	150	48.7	161.5	12,300	50.3	160.1	12,600				150
	160	44.9	151.3	10,700							160
	170	40.7	139.7	9,400							170
180	50	80.1	224.7	30,000*							50
	55	78.8	223.6	30,000*	80.5	222.6	30,000*				55
	60	77.4	222.4	30,000*	79.1	221.3	30,000*	80.8	219.2	30,000*	60
	65	76.1	221.0	30,000*	77.8	219.9	30,000*	79.4	217.8	30,000*	65
	70	74.7	219.5	30,000*	76.4	218.4	30,000*	78.0	216.3	30,000*	70
	75	73.4	217.9	30,000*	75.1	216.8	30,000*	76.7	214.6	30,000*	75
	80	72.0	216.1	30,000*	73.7	215.1	30,000*	75.3	212.9	30,000*	80
	90	69.3	212.2	29,000	70.9	211.1	29,800	72.5	208.9	28,100*	90
	100	66.4	207.8	24,600	68.1	206.6	25,200	69.6	204.3	25,900	100
	110	63.6	202.7	21,100	65.2	201.5	21,600	66.7	199.1	22,200	110
	120	60.6	196.9	18,200	62.2	195.7	18,700	63.6	193.3	19,100	120
	130	57.5	190.4	15,700	59.1	189.2	16,200	60.5	186.7	16,600	130
	140	54.3	183.1	13,700	55.9	181.8	14,100	57.2	179.2	14,400	140
	150	51.0	174.9	11,900	52.5	173.6	12,200				150
	160	47.5	165.7	10,400	49.0	164.3	10,700				160
	170	43.8	155.2	9,000							170
	180	39.7	143.2	7,800							180
190	50	80.5	234.9	30,000*							50
	55	79.2	233.9	30,000*	80.9	232.8	30,000*				55
	60	78.0	232.7	30,000*	79.6	231.6	30,000*				60
	65	76.7	231.4	30,000*	78.3	230.3	30,000*	79.9	228.1	30,000*	65
	70	75.4	230.0	30,000*	77.0	228.9	30,000*	78.6	226.7	30,000*	70
	75	74.1	228.4	30,000*	75.7	227.3	30,000*	77.3	225.1	30,000*	75
	80	72.8	226.8	30,000*	74.4	225.7	30,000*	76.0	223.4	29,600*	80
	90	70.2	223.0	28,600	71.8	221.9	29,300*	73.3	219.7	27,300*	90
	100	67.5	218.8	24,100	69.1	217.6	24,800	70.6	215.3	25,400*	100
	110	64.8	214.0	20,600	66.3	212.8	21,200	67.8	210.4	21,800	110
	120	62.0	208.5	17,700	63.5	207.3	18,200	64.9	204.9	18,700	120
	130	59.1	202.4	15,300	60.6	201.2	15,700	62.0	198.7	16,200	130
	140	56.1	195.6	13,200	57.6	194.3	13,600	58.9	191.7	14,000	140
	150	53.0	188.0	11,500	54.5	186.6	11,800				150
	160	49.8	179.4	9,900	51.2	178.0	10,200				160
	170	46.4	169.8	8,600	47.8	168.3	8,900				170
	180	42.7	159.0	7,400							180
	190	38.8	146.5	6,300							190

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

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	
200	50	80.9	245.1	30,000*							50
	55	79.7	244.1	30,000*							55
	60	78.5	243.0	30,000*	80.0	241.9	30,000*				60
	65	77.3	241.7	30,000*	78.8	240.6	30,000*	80.3	238.4	30,000*	65
	70	76.0	240.4	30,000*	77.6	239.3	30,000*	79.1	237.1	30,000*	70
	75	74.8	238.9	30,000*	76.4	237.8	30,000*	77.8	235.6	30,000*	75
	80	73.6	237.3	30,000*	75.1	236.2	30,000*	76.6	234.0	28,900*	80
	90	71.1	233.8	28,200	72.6	232.6	28,600*	74.0	230.4	26,600*	90
	100	68.5	229.7	23,800	70.0	228.6	24,500	71.4	226.2	24,700*	100
	110	65.9	225.1	20,200	67.4	224.0	20,900	68.8	221.6	21,500	110
	120	63.3	220.0	17,300	64.7	218.8	17,900	66.1	216.4	18,400	120
	130	60.5	214.2	14,900	62.0	213.0	15,400	63.3	210.5	15,800	130
	140	57.7	207.8	12,800	59.2	206.5	13,300	60.5	204.0	13,700	140
	150	54.8	200.6	11,000	56.2	199.3	11,400	57.5	196.7	11,800	150
	160	51.8	192.7	9,500	53.2	191.3	9,900				160
	170	48.6	183.8	8,200	50.0	182.4	8,500				170
210	55	80.1	254.3	30,000*							55
	60	79.0	253.2	30,000*	80.4	252.1	30,000*				60
	65	77.8	252.0	30,000*	79.3	250.9	30,000*	80.7	248.7	30,000*	65
	70	76.6	250.7	30,000*	78.1	249.6	30,000*	79.5	247.4	30,000*	70
	75	75.4	249.3	30,000*	76.9	248.2	30,000*	78.3	246.0	29,500*	75
	80	74.2	247.8	30,000*	75.7	246.7	30,000*	77.1	244.4	28,200*	80
	90	71.9	244.4	27,900	73.3	243.3	28,000*	74.7	241.0	26,000*	90
	100	69.4	240.6	23,500	70.9	239.4	24,200	72.2	237.1	24,100*	100
	110	66.9	236.2	19,900	68.4	235.0	20,600	69.7	232.7	21,200	110
	120	64.4	231.3	17,000	65.8	230.1	17,600	67.2	227.7	18,100	120
	130	61.8	225.8	14,600	63.2	224.6	15,100	64.5	222.1	15,600	130
	140	59.2	219.8	12,500	60.6	218.5	13,000	61.8	215.9	13,400	140
	150	56.4	213.0	10,700	57.8	211.7	11,100	59.0	209.1	11,500	150
	160	53.6	205.6	9,200	55.0	204.2	9,600				160
	170	50.7	197.3	7,800	52.0	195.9	8,200				170
	180	47.6	188.1	6,700	48.9	186.6	6,900				180
220	55	80.5	264.5	30,000*							55
	60	79.4	263.5	30,000*	80.8	262.4	30,000*				60
	65	78.3	262.3	30,000*	79.7	261.2	30,000*				65
	70	77.1	261.1	30,000*	78.6	260.0	30,000*	79.9	257.7	30,000*	70
	75	76.0	259.7	30,000*	77.4	258.6	30,000*	78.8	256.4	28,800*	75
	80	74.9	258.3	30,000*	76.3	257.1	29,900*	77.6	254.9	27,600*	80
	90	72.6	255.0	27,500	74.0	253.9	27,400*	75.3	251.6	25,400*	90
	100	70.2	251.3	23,100	71.6	250.2	23,900	73.0	247.8	23,500*	100
	110	67.9	247.2	19,500	69.3	246.0	20,200	70.6	243.6	20,900	110
	120	65.5	242.5	16,600	66.8	241.3	17,200	68.1	238.9	17,800	120
	130	63.0	237.3	14,200	64.4	236.1	14,700	65.6	233.6	15,200	130
	140	60.5	231.5	12,100	61.8	230.3	12,600	63.1	227.7	13,100	140
	150	57.9	225.2	10,300	59.2	223.9	10,800	60.4	221.3	11,200	150
	160	55.2	218.1	8,800	56.6	216.8	9,200	57.7	214.1	9,500	160
	170	52.5	210.4	7,500	53.8	209.0	7,800				170
	180	49.6	201.8	6,300	50.9	200.3	6,600				180
	190	46.6	192.2	5,200	47.8	190.7	5,500				190
	200	43.4	181.6	4,200							200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

MEETS
ANSI B30.5
REQUIREMENTS

3950W

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	
230	55	80.8	274.7	30,000*							55
	60	79.8	273.7	30,000*							60
	65	78.7	272.6	30,000*	80.1	271.5	30,000*				65
	70	77.6	271.4	30,000*	79.0	270.3	30,000*	80.3	268.0	29,500*	70
	75	76.5	270.1	30,000*	77.9	269.0	30,000*	79.2	266.7	28,100*	75
	80	75.4	268.7	30,000*	76.8	267.6	29,200*	78.1	265.3	26,900*	80
	90	73.2	265.6	27,200	74.6	264.4	26,600*	75.9	262.1	24,700*	90
	100	71.0	262.0	22,700	72.4	260.9	23,500	73.6	258.5	22,900*	100
	110	68.7	258.0	19,200	70.1	256.9	19,900	71.3	254.5	20,600	110
	120	66.4	253.6	16,200	67.8	252.4	16,900	69.0	250.0	17,500	120
	130	64.1	248.6	13,800	65.4	247.4	14,400	66.6	244.9	14,900	130
	140	61.7	243.1	11,700	63.0	241.9	12,300	64.2	239.4	12,700	140
	150	59.2	237.1	10,000	60.5	235.8	10,400	61.7	233.2	10,900	150
	160	56.7	230.4	8,400	58.0	229.1	8,800	59.1	226.4	9,200	160
	170	54.1	223.1	7,100	55.4	221.7	7,500				170
	180	51.4	215.0	5,900	52.6	213.6	6,200				180
	190	48.6	206.2	4,800	49.8	204.7	5,100				190
	200				46.8	194.8	4,100				200

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

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	
90	40	79.1	145.3	20,000*							40
	45	77.0	143.9	20,000*	80.4	143.0	20,000*				45
	50	74.9	142.3	20,000*	78.3	141.4	20,000*				50
	55	72.8	140.5	20,000*	76.1	139.6	20,000*	79.4	137.6	20,000*	55
	60	70.6	138.6	20,000*	74.0	137.6	20,000*	77.2	135.6	20,000*	60
	65	68.5	136.4	20,000*	71.8	135.4	20,000*	75.0	133.3	20,000*	65
	70	66.2	133.9	20,000*	69.5	133.0	20,000*	72.7	130.8	20,000*	70
	75	63.9	131.2	20,000*	67.2	130.2	20,000*	70.3	128.0	20,000*	75
	80	61.6	128.3	20,000*	64.8	127.3	20,000*	67.9	125.0	20,000*	80
	90	56.7	121.5	20,000*	59.9	120.4	20,000*	62.9	118.0	20,000*	90
	100	51.6	113.3	20,000*	54.7	112.2	20,000*	57.6	109.6	18,900*	100
	110	45.9	103.4	20,000*	49.0	102.2	20,000*				110
	120	39.6	91.3	20,000*							120
100	40	79.9	155.5	20,000*							40
	45	77.9	154.3	20,000*							45
	50	76.0	152.8	20,000*	79.1	151.9	20,000*				50
	55	74.0	151.2	20,000*	77.1	150.2	20,000*	80.2	148.1	20,000*	55
	60	72.0	149.3	20,000*	75.1	148.4	20,000*	78.1	146.2	20,000*	60
	65	70.0	147.3	20,000*	73.0	146.3	20,000*	76.0	144.1	20,000*	65
	70	67.9	145.0	20,000*	71.0	144.0	20,000*	73.9	141.8	20,000*	70
	75	65.8	142.6	20,000*	68.9	141.6	20,000*	71.8	139.3	20,000*	75
	80	63.7	139.9	20,000*	66.7	138.8	20,000*	69.6	136.5	20,000*	80
	90	59.3	133.7	20,000*	62.3	132.6	20,000*	65.1	130.2	20,000*	90
	100	54.6	126.4	20,000*	57.6	125.2	20,000*	60.3	122.6	19,600*	100
	110	49.6	117.7	20,000*	52.5	116.4	20,000*				110
	120	44.2	107.2	20,000*	47.0	105.9	20,000*				120
	130	38.1	94.4	19,100							130
110	40	80.5	165.8	20,000*							40
	45	78.7	164.6	20,000*							45
	50	76.9	163.2	20,000*	79.8	162.2	20,000*				50
	55	75.0	161.7	20,000*	77.9	160.7	20,000*	80.8	158.5	20,000*	55
	60	73.1	160.0	20,000*	76.1	159.0	20,000*	78.9	156.8	20,000*	60
	65	71.3	158.1	20,000*	74.2	157.1	20,000*	77.0	154.8	20,000*	65
	70	69.4	156.0	20,000*	72.2	155.0	20,000*	75.0	152.7	20,000*	70
	75	67.4	153.7	20,000*	70.3	152.7	20,000*	73.0	150.4	20,000*	75
	80	65.4	151.2	20,000*	68.3	150.2	20,000*	71.0	147.8	20,000*	80
	90	61.4	145.6	20,000*	64.2	144.5	20,000*	66.9	142.0	20,000*	90
	100	57.2	138.9	20,000*	60.0	137.7	20,000*	62.5	135.2	20,000*	100
	110	52.7	131.1	20,000*	55.4	129.8	20,000*	57.9	127.1	19,000*	110
	120	47.9	121.9	20,000*	50.6	120.5	20,000*				120
	130	42.7	110.9	18,600							130
	140	36.8	97.5	16,600							140
120	45	79.4	174.9	20,000*	80.4	172.6	20,000*				45
	50	77.6	173.6	20,000*	78.7	171.1	20,000*				50
	55	75.9	172.2	20,000*	76.9	169.5	20,000*	79.6	167.3	20,000*	55
	60	74.2	170.6	20,000*	75.1	167.7	20,000*	77.8	165.5	20,000*	60
	65	72.4	168.8	20,000*	73.3	165.8	20,000*	76.0	163.5	20,000*	65
	70	70.6	166.8	20,000*	71.5	163.6	20,000*	74.1	161.3	20,000*	70
	75	68.8	164.7	20,000*	69.7	161.3	20,000*	72.3	158.9	20,000*	75
	80	67.0	162.4	20,000*	67.9	159.0	20,000*	70.4	156.6	20,000*	80
	90	63.2	157.2	20,000*	64.0	154.9	20,000*	66.4	153.6	20,000*	90
	100	59.3	151.0	20,000*	60.2	149.9	20,000*	62.6	147.3	20,000*	100
	110	55.3	143.9	20,000*	57.9	142.7	20,000*	60.2	139.9	19,500*	110
	120	51.0	135.6	20,000*	53.5	134.3	20,000*				120
	130	46.3	125.9	18,200	48.8	124.5	18,600				130
	140	41.3	114.4	16,200							140

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

MEETS
ANSI B30.5
REQUIREMENTS

3950W

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	
130	45	79.9	185.1	20,000*							45
	50	78.3	183.9	20,000*							50
	55	76.7	182.6	20,000*	79.3	181.5	20,000*				55
	60	75.1	181.1	20,000*	77.7	180.0	20,000*	80.2	177.7	20,000*	60
	65	73.4	179.4	20,000*	76.0	178.3	20,000*	78.5	176.0	20,000*	65
	70	71.7	177.6	20,000*	74.3	176.5	20,000*	76.8	174.1	20,000*	70
	75	70.1	175.6	20,000*	72.6	174.5	20,000*	75.1	172.1	20,000*	75
	80	68.3	173.4	20,000*	70.9	172.3	20,000*	73.3	169.9	20,000*	80
	90	64.9	168.5	20,000*	67.4	167.4	20,000*	69.8	164.9	20,000*	90
	100	61.2	162.9	20,000*	63.7	161.7	20,000*	66.1	159.1	20,000*	100
	110	57.5	156.3	20,000*	60.0	155.1	20,000*	62.2	152.4	20,000*	110
	120	53.6	148.7	20,000*	56.0	147.4	20,000*	58.2	144.6	19,100*	120
	130	49.4	140.0	17,900*	51.8	138.6	18,300				130
	140	44.9	129.8	15,800	47.2	128.3	16,100				140
	150	40.0	117.8	14,100							150
140	45	80.5	195.4	20,000*							45
	50	79.0	194.2	20,000*							50
	55	77.4	192.9	20,000*	79.9	191.9	20,000*				55
	60	75.9	191.5	20,000*	78.3	190.4	20,000*	80.7	188.1	20,000*	60
	65	74.3	190.0	20,000*	76.8	188.8	20,000*	79.2	186.5	20,000*	65
	70	72.7	188.2	20,000*	75.2	187.1	20,000*	77.5	184.7	20,000*	70
	75	71.1	186.4	20,000*	73.6	185.2	20,000*	75.9	182.8	20,000*	75
	80	69.5	184.3	20,000*	72.0	183.2	20,000*	74.3	180.7	20,000*	80
	90	66.3	179.8	20,000*	68.7	178.6	20,000*	70.9	176.1	20,000*	90
	100	62.9	174.5	20,000*	65.3	173.2	20,000*	67.5	170.6	20,000*	100
	110	59.4	168.4	20,000*	61.8	167.1	20,000*	63.9	164.4	20,000*	110
	120	55.8	161.4	19,900	58.1	160.1	20,000*	60.2	157.3	19,500*	120
	130	52.0	153.4	17,500	54.3	152.0	17,900				130
	140	47.9	144.2	15,400	50.2	142.8	15,800				140
	150	43.6	133.6	13,700							150
	160	38.8	121.2	12,100							160
150	50	79.5	204.5	20,000*							50
	55	78.1	203.3	20,000*	80.4	202.2	20,000*				55
	60	76.6	201.9	20,000*	78.9	200.8	20,000*				60
	65	75.1	200.4	20,000*	77.4	199.3	20,000*	79.7	196.9	20,000*	65
	70	73.6	198.8	20,000*	76.0	197.7	20,000*	78.2	195.2	20,000*	70
	75	72.1	197.0	20,000*	74.4	195.9	20,000*	76.7	193.4	20,000*	75
	80	70.6	195.1	20,000*	72.9	194.0	20,000*	75.1	191.5	20,000*	80
	90	67.5	190.8	20,000*	69.8	189.6	20,000*	72.0	187.1	20,000*	90
	100	64.4	185.9	20,000*	66.6	184.6	20,000*	68.8	182.0	20,000*	100
	110	61.1	180.2	20,000*	63.4	178.9	20,000*	65.4	176.2	20,000*	110
	120	57.7	173.7	19,400	60.0	172.4	20,000*	62.0	169.6	20,000*	120
	130	54.2	166.3	17,000	56.4	164.9	17,500	58.4	162.0	17,900	130
	140	50.5	157.9	14,900	52.7	156.5	15,300				140
	150	46.6	148.4	13,200	48.7	146.8	13,500				150
	160	42.4	137.3	11,600							160
	170	37.8	124.4	10,300							170
160	50	80.0	214.7	20,000*							50
	55	78.6	213.6	20,000*	80.9	212.4	20,000*				55
	60	77.2	212.3	20,000*	79.5	211.1	20,000*				60
	65	75.8	210.9	20,000*	78.1	209.7	20,000*	80.2	207.3	20,000*	65
	70	74.4	209.3	20,000*	76.6	208.2	20,000*	78.8	205.7	20,000*	70
	75	73.0	207.7	20,000*	75.2	206.5	20,000*	77.3	204.0	20,000*	75
	80	71.6	205.8	20,000*	73.8	204.7	20,000*	75.9	202.2	20,000*	80
	90	68.7	201.8	20,000*	70.8	200.6	20,000*	72.9	198.0	20,000*	90
	100	65.7	197.1	20,000*	67.8	195.9	20,000*	69.9	193.2	20,000*	100
	110	62.6	191.8	20,000*	64.8	190.5	20,000*	66.8	187.8	20,000*	110
	120	59.5	185.7	19,000	61.6	184.4	19,600	63.5	181.6	20,000*	120
	130	56.2	178.8	16,600	58.3	177.5	17,100	60.2	174.6	17,600	130
	140	52.8	171.1	14,500	54.9	169.7	15,000	56.7	166.6	15,400	140
	150	49.2	162.3	12,800	51.2	160.8	13,100				150
	160	45.4	152.4	11,200	47.4	150.7	11,600				160
	170	41.3	140.9	9,900							170
	180	36.8	127.5	8,700							180

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
170	50	80.5	224.9	20,000*							50
	55	79.1	223.8	20,000*							55
	60	77.8	222.6	20,000*	80.0	221.5	20,000*				60
	65	76.5	221.3	20,000*	78.6	220.1	20,000*	80.7	217.6	20,000*	65
	70	75.2	219.8	20,000*	77.3	218.6	20,000*	79.3	216.1	20,000*	70
	75	73.8	218.2	20,000*	75.9	217.0	20,000*	78.0	214.5	20,000*	75
	80	72.4	216.5	20,000*	74.5	215.3	20,000*	76.6	212.8	20,000*	80
	90	69.7	212.6	20,000*	71.8	211.4	20,000*	73.8	208.8	20,000*	90
	100	66.9	208.2	20,000*	68.9	207.0	20,000*	70.9	204.3	20,000*	100
	110	64.0	203.2	20,000*	66.0	201.9	20,000*	67.9	199.2	20,000*	110
	120	61.0	197.5	18,700	63.0	196.2	19,300	64.9	193.4	19,900	120
	130	58.0	191.1	16,300	60.0	189.7	16,800	61.8	186.8	17,300	130
	140	54.8	183.9	14,200	56.8	182.4	14,700	58.5	179.4	15,100	140
	150	51.5	175.7	12,500	53.4	174.3	12,900				150
	160	48.0	166.6	10,900	49.9	165.0	11,300				160
	170	44.3	156.2	9,600	46.2	154.6	9,900				170
	180	40.3	144.4	8,400							180
180	50	80.9	235.1	20,000*							50
	55	79.6	234.1	20,000*							55
	60	78.4	232.9	20,000*	80.4	231.7	20,000*				60
	65	77.1	231.6	20,000*	79.1	230.5	20,000*				65
	70	75.8	230.2	20,000*	77.8	229.0	20,000*	79.8	226.5	20,000*	70
	75	74.5	228.7	20,000*	76.5	227.5	20,000*	78.5	225.0	20,000*	75
	80	73.2	227.1	20,000*	75.2	225.9	20,000*	77.2	223.3	20,000*	80
	90	70.6	223.4	20,000*	72.6	222.2	20,000*	74.5	219.6	20,000*	90
	100	67.9	219.2	20,000*	69.9	217.9	20,000*	71.8	215.3	20,000*	100
	110	65.2	214.4	20,000*	67.2	213.1	20,000*	69.0	210.4	20,000*	110
	120	62.4	209.1	18,400	64.3	207.7	19,000	66.2	204.9	19,600	120
	130	59.5	203.0	15,900	61.5	201.7	16,500	63.2	198.8	17,000	130
	140	56.5	196.3	13,900	58.5	194.9	14,400	60.2	191.9	14,800	140
	150	53.5	188.7	12,100	55.3	187.3	12,500	57.0	184.1	12,900	150
	160	50.2	180.3	10,600	52.1	178.7	11,000				160
	170	46.8	170.8	9,200	48.7	169.1	9,600				170
	180	43.2	160.0	8,000							180
	190	39.3	147.8	7,000							190
190	55	80.1	244.3	20,000*							55
	60	78.9	243.2	20,000*	80.8	242.0	20,000*				60
	65	77.6	242.0	20,000*	79.6	240.8	20,000*				65
	70	76.4	240.6	20,000*	78.4	239.4	20,000*	80.3	236.9	20,000*	70
	75	75.2	239.2	20,000*	77.1	238.0	20,000*	79.0	235.4	20,000*	75
	80	73.9	237.6	20,000*	75.9	236.4	20,000*	77.7	233.8	20,000*	80
	90	71.4	234.1	20,000*	73.4	232.9	20,000*	75.2	230.2	20,000*	90
	100	68.9	230.1	20,000*	70.8	228.8	20,000*	72.6	226.2	20,000*	100
	110	66.3	225.6	20,000*	68.2	224.3	20,000*	70.0	221.6	20,000*	110
	120	63.6	220.5	17,900	65.5	219.2	18,600	67.3	216.4	19,300	120
	130	60.9	214.8	15,500	62.8	213.4	16,100	64.5	210.6	16,700	130
	140	58.1	208.4	13,400	60.0	207.0	14,000	61.6	204.1	14,500	140
	150	55.2	201.3	11,700	57.1	199.9	12,100	58.7	196.8	12,600	150
	160	52.2	193.5	10,100	54.0	191.9	10,500				160
	170	49.1	184.7	8,800	50.8	183.1	9,100				170
	180	45.8	174.8	7,600	47.5	173.1	7,900				180
	190	42.2	163.7	6,500							190
	200	38.4	151.1	5,500							200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

MEETS
ANSI B30.5
REQUIREMENTS

3950W

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
200	55	80.5	254.5	20,000*							55
	60	79.3	253.4	20,000*							60
	65	78.1	252.3	20,000*	80.0	251.1	20,000*				65
	70	77.0	251.0	20,000*	78.8	249.8	20,000*	80.7	247.2	20,000*	70
	75	75.8	249.6	20,000*	77.7	248.4	20,000*	79.5	245.8	20,000*	75
	80	74.6	248.1	20,000*	76.5	246.9	20,000*	78.3	244.3	20,000*	80
	90	72.2	244.8	20,000*	74.1	243.5	20,000*	75.8	240.9	20,000*	90
	100	69.8	240.9	20,000*	71.6	239.7	20,000*	73.4	237.0	20,000*	100
	110	67.3	236.6	20,000*	69.1	235.3	20,000*	70.8	232.6	20,000*	110
	120	64.8	231.8	17,500	66.6	230.4	18,300	68.3	227.6	18,900	120
	130	62.2	226.4	15,100	64.0	225.0	15,700	65.6	222.1	16,300	130
	140	59.6	220.4	13,000	61.3	219.0	13,600	62.9	216.0	14,100	140
	150	56.8	213.7	11,300	58.6	212.2	11,800	60.2	209.2	12,200	150
	160	54.0	206.3	9,700	55.7	204.8	10,200	57.3	201.6	10,600	160
	170	51.1	198.1	8,400	52.8	196.5	8,800				170
	180	48.0	189.0	7,200	49.7	187.3	7,500				180
	190	44.8	178.8	6,100	46.4	177.0	6,400				190
	200	41.3	167.3	5,100							200
	210	37.6	154.3	4,300							210
210	55	80.8	264.7	20,000*							55
	60	79.7	263.7	20,000*							60
	65	78.6	262.6	20,000*	80.4	261.3	20,000*				65
	70	77.5	261.3	20,000*	79.3	260.1	20,000*				70
	75	76.3	260.0	20,000*	78.1	258.7	20,000*	79.9	256.1	20,000*	75
	80	75.2	258.6	20,000*	77.0	257.3	20,000*	78.7	254.7	20,000*	80
	90	72.9	255.3	20,000*	74.7	254.1	20,000*	76.4	251.4	20,000*	90
	100	70.6	251.7	20,000*	72.4	250.4	20,000*	74.0	247.7	20,000*	100
	110	68.2	247.6	20,000*	70.0	246.3	20,000*	71.6	243.5	20,000*	110
	120	65.8	242.9	17,200	67.6	241.6	18,000	69.2	238.8	18,700	120
	130	63.4	237.8	14,800	65.1	236.4	15,500	66.7	233.6	16,100	130
	140	60.9	232.1	12,700	62.6	230.7	13,300	64.1	227.8	13,900	140
	150	58.3	225.8	10,900	60.0	224.3	11,500	61.5	221.3	12,000	150
	160	55.6	218.8	9,400	57.3	217.3	9,900	58.8	214.2	10,300	160
	170	52.9	211.1	8,000	54.5	209.6	8,500				170
	180	50.0	202.6	6,800	51.6	201.0	7,200				180
	190	47.0	193.2	5,800	48.6	191.5	6,100				190
	200	43.8	182.7	4,800							200
	210	40.5	170.9	4,000							210
220	60	80.1	273.9	20,000*							60
	65	79.0	272.8	20,000*	80.8	271.6	20,000*				65
	70	77.9	271.6	20,000*	79.7	270.4	20,000*				70
	75	76.9	270.3	20,000*	78.6	269.1	20,000*	80.3	266.5	20,000*	75
	80	75.8	269.0	20,000*	77.5	267.7	20,000*	79.2	265.1	20,000*	80
	90	73.6	265.9	20,000*	75.3	264.6	20,000*	76.9	261.9	20,000*	90
	100	71.3	262.4	20,000*	73.0	261.1	20,000*	74.7	258.4	20,000*	100
	110	69.1	258.4	19,800	70.8	257.1	20,000*	72.4	254.4	19,800*	110
	120	66.8	254.0	16,900	68.5	252.7	17,600	70.0	249.9	18,400	120
	130	64.4	249.1	14,400	66.1	247.7	15,100	67.7	244.9	15,800	130
	140	62.0	243.7	12,300	63.7	242.3	13,000	65.2	239.3	13,500	140
	150	59.6	237.7	10,500	61.2	236.2	11,100	62.7	233.2	11,600	150
	160	57.1	231.1	9,000	58.7	229.6	9,500	60.1	226.5	10,000	160
	170	54.5	223.8	7,600	56.1	222.3	8,100	57.5	219.1	8,500	170
	180	51.8	215.8	6,400	53.4	214.2	6,900				180
	190	49.0	207.0	5,400	50.5	205.4	5,700				190
	200	46.0	197.3	4,400	47.6	195.5	4,700				200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

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	
230	60	80.5	284.1	20,000*							60
	65	79.4	283.0	20,000*							65
	70	78.4	281.9	20,000*	80.1	280.6	20,000*				70
	75	77.3	280.7	20,000*	79.0	279.4	20,000*	80.6	276.8	20,000*	75
	80	76.3	279.3	20,000*	78.0	278.1	20,000*	79.6	275.4	20,000*	80
	90	74.2	276.4	20,000*	75.8	275.1	20,000*	77.4	272.4	20,000*	90
	100	72.0	273.0	20,000*	73.7	271.7	20,000*	75.2	269.0	20,000*	100
	110	69.9	269.2	19,400	71.5	267.9	20,000*	73.0	265.2	19,200*	110
	120	67.7	265.0	16,500	69.3	263.7	17,300	70.8	260.9	17,900*	120
	130	65.4	260.3	14,000	67.0	258.9	14,800	68.5	256.1	15,500	130
	140	63.1	255.1	12,000	64.7	253.7	12,600	66.2	250.8	13,200	140
	150	60.8	249.4	10,200	62.4	248.0	10,800	63.8	245.0	11,300	150
	160	58.4	243.1	8,600	60.0	241.7	9,200	61.4	238.6	9,600	160
	170	55.9	236.3	7,300	57.5	234.7	7,800	58.9	231.6	8,200	170
	180	53.4	228.7	6,100	54.9	227.1	6,500				180
	190	50.8	220.4	5,000	52.3	218.8	5,400				190
	200	48.0	211.3	4,000	49.5	209.6	4,400				200

REFERENCE ONLY

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

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	
90	40	79.8	155.6	10,000*							40
	45	77.9	154.3	10,000*							45
	50	75.9	152.9	10,000*	79.7	152.0	10,000*				50
	55	73.9	151.2	10,000*	77.7	150.3	10,000*				55
	60	71.9	149.4	10,000*	75.7	148.5	10,000*	79.4	146.3	10,000*	60
	65	69.9	147.3	10,000*	73.7	146.4	10,000*	77.4	144.2	10,000*	65
	70	67.9	145.1	10,000*	71.6	144.2	10,000*	75.2	141.9	10,000*	70
	75	65.8	142.6	10,000*	69.5	141.7	10,000*	73.1	139.4	10,000*	75
	80	63.6	139.9	10,000*	67.3	139.0	10,000*	70.9	136.6	10,000*	80
	90	59.2	133.8	10,000*	62.9	132.7	10,000*	66.4	130.3	10,000*	90
	100	54.6	126.4	10,000*	58.2	125.4	10,000*	61.6	122.8	10,000*	100
	110	49.6	117.7	10,000*	53.2	116.6	10,000*	56.5	113.8	10,000*	110
	120	44.2	107.3	10,000*	47.7	106.0	10,000*				120
	130	38.1	94.5	10,000*							130
100	40	80.4	165.8	10,000*							40
	45	78.6	164.6	10,000*							45
	50	76.8	163.3	10,000*	80.4	162.3	10,000*				50
	55	75.0	161.7	10,000*	78.5	160.8	10,000*				55
	60	73.1	160.0	10,000*	76.6	159.1	10,000*	80.1	156.8	10,000*	60
	65	71.2	158.1	10,000*	74.7	157.2	10,000*	78.2	154.9	10,000*	65
	70	69.3	156.1	10,000*	72.8	155.1	10,000*	76.3	152.8	10,000*	70
	75	67.4	153.8	10,000*	70.9	152.8	10,000*	74.3	150.4	10,000*	75
	80	65.4	151.3	10,000*	68.9	150.3	10,000*	72.3	147.9	10,000*	80
	90	61.4	145.6	10,000*	64.8	144.6	10,000*	68.1	142.1	10,000*	90
	100	57.1	139.0	10,000*	60.5	137.9	10,000*	63.8	135.2	10,000*	100
	110	52.7	131.1	10,000*	56.0	130.0	10,000*	59.1	127.2	10,000*	110
	120	47.9	121.9	10,000*	51.2	120.7	10,000*				120
	130	42.6	111.0	10,000*	45.9	109.6	10,000*				130
	140	36.7	97.6	10,000*							140
110	45	79.3	174.9	10,000*							45
	50	77.6	173.6	10,000*							50
	55	75.9	172.2	10,000*	79.2	171.2	10,000*				55
	60	74.1	170.6	10,000*	77.5	169.6	10,000*	80.7	167.3	10,000*	60
	65	72.4	168.8	10,000*	75.7	167.8	10,000*	78.9	165.5	10,000*	65
	70	70.6	166.9	10,000*	73.9	165.9	10,000*	77.1	163.5	10,000*	70
	75	68.8	164.8	10,000*	72.1	163.7	10,000*	75.3	161.3	10,000*	75
	80	67.0	162.5	10,000*	70.2	161.4	10,000*	73.4	158.9	10,000*	80
	90	63.2	157.2	10,000*	66.5	156.1	10,000*	69.6	153.6	10,000*	90
	100	59.3	151.1	10,000*	62.5	150.0	10,000*	65.6	147.3	10,000*	100
	110	55.2	144.0	10,000*	58.4	142.8	10,000*	61.4	140.0	10,000*	110
	120	50.9	135.7	10,000*	54.1	134.4	10,000*	56.9	131.4	10,000*	120
	130	46.3	126.0	10,000*	49.4	124.6	10,000*				130
	140	41.2	114.5	10,000*							140
	150	35.6	100.6	10,000*							150
120	45	79.9	185.2	10,000*							45
	50	78.3	184.0	10,000*							50
	55	76.7	182.6	10,000*	79.8	181.6	10,000*				55
	60	75.0	181.1	10,000*	78.2	180.1	10,000*				60
	65	73.4	179.5	10,000*	76.5	178.4	10,000*	79.6	176.0	10,000*	65
	70	71.7	177.6	10,000*	74.8	176.6	10,000*	77.9	174.1	10,000*	70
	75	70.0	175.6	10,000*	73.1	174.6	10,000*	76.2	172.1	10,000*	75
	80	68.3	173.5	10,000*	71.4	172.4	10,000*	74.4	169.9	10,000*	80
	90	64.8	168.6	10,000*	67.9	167.5	10,000*	70.8	164.9	10,000*	90
	100	61.2	162.9	10,000*	64.3	161.8	10,000*	67.2	159.1	10,000*	100
	110	57.5	156.4	10,000*	60.5	155.2	10,000*	63.3	152.3	10,000*	110
	120	53.5	148.8	10,000*	56.5	147.5	10,000*	59.3	144.6	10,000*	120
	130	49.4	140.1	10,000*	52.3	138.7	10,000*				130
	140	44.9	129.9	10,000*	47.8	128.4	10,000*				140
	150	40.0	117.9	10,000*							150

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

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	
130	45	80.4	195.4	10,000*							45
	50	78.9	194.3	10,000*							50
	55	77.4	193.0	10,000*	80.4	191.9	10,000*				55
	60	75.8	191.6	10,000*	78.8	190.5	10,000*				60
	65	74.3	190.0	10,000*	77.2	188.9	10,000*	80.2	186.4	10,000*	65
	70	72.7	188.3	10,000*	75.7	187.2	10,000*	78.6	184.7	10,000*	70
	75	71.1	186.4	10,000*	74.1	185.3	10,000*	76.9	182.8	10,000*	75
	80	69.5	184.4	10,000*	72.5	183.3	10,000*	75.3	180.7	10,000*	80
	90	66.2	179.8	10,000*	69.2	178.7	10,000*	72.0	176.0	10,000*	90
	100	62.9	174.5	10,000*	65.8	173.3	10,000*	68.5	170.6	10,000*	100
	110	59.4	168.4	10,000*	62.3	167.2	10,000*	65.0	164.4	10,000*	110
	120	55.8	161.5	10,000*	58.6	160.2	10,000*	61.2	157.2	10,000*	120
	130	52.0	153.5	10,000*	54.8	152.1	10,000*	57.3	149.0	10,000*	130
	140	47.9	144.3	10,000*	50.7	142.9	10,000*				140
	150	43.6	133.7	10,000*	46.3	132.1	10,000*				150
	160	38.8	121.2	10,000*							160
140	50	79.5	204.5	10,000*							50
	55	78.0	203.3	10,000*							55
	60	76.6	202.0	10,000*	79.4	200.9	10,000*				60
	65	75.1	200.5	10,000*	77.9	199.4	10,000*	80.7	196.8	10,000*	65
	70	73.6	198.9	10,000*	76.4	197.7	10,000*	79.2	195.2	10,000*	70
	75	72.1	197.1	10,000*	74.9	196.0	10,000*	77.6	193.4	10,000*	75
	80	70.6	195.2	10,000*	73.4	194.0	10,000*	76.1	191.4	10,000*	80
	90	67.5	190.9	10,000*	70.3	189.7	10,000*	73.0	187.0	10,000*	90
	100	64.3	185.9	10,000*	67.1	184.7	10,000*	69.7	181.9	10,000*	100
	110	61.1	180.2	10,000*	63.8	179.0	10,000*	66.4	176.1	10,000*	110
	120	57.7	173.8	10,000*	60.4	172.5	10,000*	62.9	169.5	10,000*	120
	130	54.2	166.4	10,000*	56.9	165.0	10,000*	59.3	161.9	10,000*	130
	140	50.5	158.0	10,000*	53.2	156.6	10,000*	55.5	153.3	10,000*	140
	150	46.6	148.4	10,000*	49.2	146.9	10,000*				150
	160	42.4	137.4	10,000*							160
	170	37.8	124.5	10,000*							170
150	50	80.0	214.8	10,000*							50
	55	78.6	213.6	10,000*							55
	60	77.2	212.3	10,000*	79.9	211.2	10,000*				60
	65	75.8	210.9	10,000*	78.5	209.8	10,000*				65
	70	74.4	209.4	10,000*	77.1	208.2	10,000*	79.7	205.6	10,000*	70
	75	73.0	207.7	10,000*	75.7	206.6	10,000*	78.3	203.9	10,000*	75
	80	71.5	205.9	10,000*	74.2	204.7	10,000*	76.8	202.1	10,000*	80
	90	68.6	201.8	10,000*	71.3	200.6	10,000*	73.8	197.9	10,000*	90
	100	65.7	197.2	10,000*	68.3	195.9	10,000*	70.8	193.1	10,000*	100
	110	62.6	191.8	10,000*	65.2	190.6	10,000*	67.7	187.7	10,000*	110
	120	59.4	185.8	10,000*	62.0	184.5	10,000*	64.5	181.5	10,000*	120
	130	56.2	178.9	10,000*	58.7	177.6	10,000*	61.1	174.5	10,000*	130
	140	52.8	171.2	10,000*	55.3	169.7	10,000*	57.6	166.5	10,000*	140
	150	49.2	162.4	10,000*	51.7	160.9	10,000*				150
	160	45.4	152.4	10,000*	47.8	150.8	10,000*				160
	170	41.3	141.0	10,000*							170
	180	36.8	127.6	9,200							180

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

MEETS
ANSI B30.5
REQUIREMENTS

3950W

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	
160	50	80.4	225.0	10,000*							50
	55	79.1	223.9	10,000*							55
	60	77.8	222.7	10,000*	80.4	221.5	10,000*				60
	65	76.5	221.3	10,000*	79.0	220.2	10,000*				65
	70	75.1	219.9	10,000*	77.7	218.7	10,000*	80.2	216.0	10,000*	70
	75	73.8	218.3	10,000*	76.3	217.1	10,000*	78.8	214.4	10,000*	75
	80	72.4	216.5	10,000*	75.0	215.4	10,000*	77.4	212.7	10,000*	80
	90	69.6	212.7	10,000*	72.2	211.5	10,000*	74.6	208.7	10,000*	90
	100	66.8	208.3	10,000*	69.4	207.0	10,000*	71.8	204.2	10,000*	100
	110	64.0	203.2	10,000*	66.5	202.0	10,000*	68.8	199.1	10,000*	110
	120	61.0	197.5	10,000*	63.5	196.2	10,000*	65.8	193.2	10,000*	120
	130	57.9	191.1	10,000*	60.4	189.8	10,000*	62.7	186.7	10,000*	130
	140	54.8	183.9	10,000*	57.2	182.5	10,000*	59.4	179.3	10,000*	140
	150	51.4	175.8	10,000*	53.8	174.3	10,000*	56.0	171.0	10,000*	150
	160	48.0	166.7	10,000*	50.3	165.1	10,000*				160
	170	44.2	156.3	10,000*	46.6	154.6	10,000*				170
	180	40.3	144.5	8,800							180
	190	35.9	130.7	7,700							190
170	50	80.9	235.2	10,000*							50
	55	79.6	234.1	10,000*							55
	60	78.3	233.0	10,000*	80.8	231.8	10,000*				60
	65	77.1	231.7	10,000*	79.5	230.5	10,000*				65
	70	75.8	230.3	10,000*	78.2	229.1	10,000*	80.7	226.4	10,000*	70
	75	74.5	228.8	10,000*	76.9	227.6	10,000*	79.3	224.9	10,000*	75
	80	73.2	227.1	10,000*	75.6	225.9	10,000*	78.0	223.2	10,000*	80
	90	70.6	223.5	10,000*	73.0	222.2	10,000*	75.3	219.4	10,000*	90
	100	67.9	219.3	10,000*	70.3	218.0	10,000*	72.6	215.2	10,000*	100
	110	65.2	214.5	10,000*	67.6	213.2	10,000*	69.8	210.3	10,000*	110
	120	62.4	209.1	10,000*	64.8	207.8	10,000*	67.0	204.8	10,000*	120
	130	59.5	203.1	10,000*	61.9	201.7	10,000*	64.0	198.6	10,000*	130
	140	56.5	196.3	10,000*	58.9	194.9	10,000*	61.0	191.7	10,000*	140
	150	53.4	188.8	10,000*	55.8	187.3	10,000*	57.8	184.0	10,000*	150
	160	50.2	180.3	10,000*	52.5	178.8	10,000*				160
	170	46.8	170.8	9,700	49.1	169.2	10,000*				170
	180	43.2	160.1	8,500	45.4	158.4	8,800				180
	190	39.3	147.9	7,400							190
180	55	80.0	244.4	10,000*							55
	60	78.8	243.2	10,000*							60
	65	77.6	242.0	10,000*	80.0	240.8	10,000*				65
	70	76.4	240.7	10,000*	78.7	239.5	10,000*				70
	75	75.2	239.2	10,000*	77.5	238.0	10,000*	79.8	235.3	10,000*	75
	80	73.9	237.7	10,000*	76.3	236.4	10,000*	78.5	233.7	10,000*	80
	90	71.4	234.2	10,000*	73.7	232.9	10,000*	76.0	230.1	10,000*	90
	100	68.9	230.2	10,000*	71.2	228.9	10,000*	73.4	226.0	10,000*	100
	110	66.3	225.6	10,000*	68.6	224.3	10,000*	70.8	221.4	10,000*	110
	120	63.6	220.5	10,000*	65.9	219.2	10,000*	68.1	216.2	10,000*	120
	130	60.9	214.8	10,000*	63.2	213.5	10,000*	65.3	210.4	10,000*	130
	140	58.1	208.5	10,000*	60.4	207.1	10,000*	62.4	203.9	10,000*	140
	150	55.2	201.4	10,000*	57.4	199.9	10,000*	59.5	196.6	10,000*	150
	160	52.2	193.5	10,000*	54.4	192.0	10,000*	56.4	188.6	10,000*	160
	170	49.1	184.7	9,300	51.2	183.1	9,700				170
	180	45.7	174.9	8,100	47.9	173.2	8,500				180
	190	42.2	163.8	7,000							190
	200	38.4	151.2	6,100							200

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3950W

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

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	
190	55	80.4	254.6	10,000*							55
	60	79.3	253.5	10,000*							60
	65	78.1	252.3	10,000*	80.4	251.1	10,000*				65
	70	76.9	251.0	10,000*	79.2	249.8	10,000*				70
	75	75.8	249.7	10,000*	78.0	248.4	10,000*	80.2	245.6	10,000*	75
	80	74.6	248.2	10,000*	76.8	246.9	10,000*	79.0	244.1	10,000*	80
	90	72.2	244.8	10,000*	74.4	243.5	10,000*	76.6	240.7	10,000*	90
	100	69.8	241.0	10,000*	72.0	239.7	10,000*	74.1	236.8	10,000*	100
	110	67.3	236.7	10,000*	69.5	235.4	10,000*	71.6	232.4	10,000*	110
	120	64.8	231.8	10,000*	67.0	230.5	10,000*	69.0	227.5	10,000*	120
	130	62.2	226.4	10,000*	64.4	225.0	10,000*	66.4	222.0	10,000*	130
	140	59.5	220.4	10,000*	61.7	219.0	10,000*	63.7	215.8	10,000*	140
	150	56.8	213.7	10,000*	59.0	212.3	10,000*	60.9	209.0	10,000*	150
	160	54.0	206.4	10,000*	56.1	204.8	10,000*	58.0	201.4	10,000*	160
	170	51.1	198.2	8,800	53.2	196.6	9,300				170
200	180	48.0	189.0	7,600	50.1	187.4	8,000				180
	190	44.7	178.9	6,600	46.8	177.1	6,900				190
	200	41.3	167.4	5,600							200
	210	37.6	154.4	4,800							210
	55	80.8	264.7	10,000*							55
	60	79.7	263.7	10,000*							60
	65	78.6	262.6	10,000*	80.8	261.4	10,000*				65
	70	77.4	261.4	10,000*	79.6	260.1	10,000*				70
	75	76.3	260.0	10,000*	78.5	258.8	10,000*	80.6	256.0	10,000*	75
	80	75.2	258.6	10,000*	77.4	257.3	10,000*	79.5	254.5	10,000*	80
	90	72.9	255.4	10,000*	75.0	254.1	10,000*	77.1	251.2	10,000*	90
	100	70.6	251.7	10,000*	72.7	250.4	10,000*	74.8	247.5	10,000*	100
	110	68.2	247.6	10,000*	70.3	246.3	10,000*	72.4	243.3	10,000*	110
	120	65.8	243.0	10,000*	67.9	241.7	10,000*	69.9	238.6	10,000*	120
	130	63.3	237.9	10,000*	65.5	236.5	10,000*	67.4	233.4	10,000*	130
	140	60.8	232.2	10,000*	62.9	230.7	10,000*	64.9	227.6	10,000*	140
210	150	58.3	225.8	10,000*	60.3	224.4	10,000*	62.2	221.1	10,000*	150
	160	55.6	218.9	9,800	57.6	217.4	10,000*	59.5	214.0	10,000*	160
	170	52.8	211.2	8,400	54.9	209.6	8,900	56.7	206.1	9,400	170
	180	50.0	202.7	7,200	52.0	201.0	7,700				180
	190	47.0	193.2	6,200	49.0	191.5	6,600				190
	200	43.8	182.7	5,200	45.8	180.9	5,600				200
	210	40.4	171.0	4,400							210
	60	80.1	273.9	10,000*							60
	65	79.0	272.9	10,000*							65
	70	77.9	271.7	10,000*	80.0	270.4	10,000*				70
	75	76.8	270.4	10,000*	78.9	269.1	10,000*				75
	80	75.7	269.0	10,000*	77.8	267.7	10,000*	79.9	264.9	10,000*	80
	90	73.5	265.9	10,000*	75.6	264.6	10,000*	77.6	261.7	10,000*	90
	100	71.3	262.4	10,000*	73.4	261.1	10,000*	75.4	258.2	10,000*	100
	110	69.1	258.5	10,000*	71.1	257.2	10,000*	73.1	254.2	10,000*	110
	120	66.8	254.1	10,000*	68.8	252.7	10,000*	70.7	249.7	10,000*	120
	130	64.4	249.2	10,000*	66.4	247.8	10,000*	68.4	244.7	10,000*	130
	140	62.0	243.7	10,000*	64.0	242.3	10,000*	65.9	239.1	10,000*	140
	150	59.6	237.7	10,000*	61.6	236.3	10,000*	63.4	233.0	10,000*	150
	160	57.1	231.1	9,500	59.0	229.6	10,000*	60.8	226.3	10,000*	160
	170	54.5	223.9	8,100	56.4	222.3	8,600	58.2	218.9	9,100	170
	180	51.8	215.9	6,900	53.7	214.3	7,400				180
	190	49.0	207.1	5,800	50.9	205.4	6,300				190
	200	46.0	197.4	4,900	47.9	195.6	5,300				200
	210	42.9	186.5	4,000							210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
24' CRAWLERS EXTENDED

MEETS
ANSI B30.5
REQUIREMENTS

3950W

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	
220	60	80.4	284.1	10,000*							60
	65	79.4	283.1	10,000*							65
	70	78.4	282.0	10,000*	80.4	280.7	10,000*				70
	75	77.3	280.7	10,000*	79.3	279.4	10,000*				75
	80	76.3	279.4	10,000*	78.3	278.1	10,000*	80.3	275.2	10,000*	80
	90	74.1	276.4	10,000*	76.2	275.1	10,000*	78.1	272.2	10,000*	90
	100	72.0	273.1	10,000*	74.0	271.7	10,000*	75.9	268.8	10,000*	100
	110	69.8	269.3	10,000*	71.8	267.9	10,000*	73.7	264.9	10,000*	110
	120	67.6	265.1	10,000*	69.6	263.7	10,000*	71.5	260.6	10,000*	120
	130	65.4	260.4	10,000*	67.4	259.0	10,000*	69.2	255.9	10,000*	130
	140	63.1	255.2	10,000*	65.1	253.7	10,000*	66.9	250.6	10,000*	140
	150	60.8	249.5	10,000*	62.7	248.0	10,000*	64.5	244.8	10,000*	150
	160	58.4	243.2	9,100	60.3	241.7	9,700	62.1	238.4	10,000*	160
	170	55.9	236.3	7,700	57.8	234.8	8,300	59.5	231.3	8,800	170
	180	53.4	228.8	6,500	55.3	227.2	7,000	56.9	223.6	7,500	180
	190	50.7	220.5	5,400	52.6	218.8	5,900				190
	200	48.0	211.4	4,500	49.9	209.7	4,900				200
	210				47.0	199.5	4,000				210

REFFER ONLY