

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. 8 WITH OPEN THROAT TOP
74,000 LB. COUNTERWEIGHT
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

3900

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 6292-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 GANTRY UP. REFER TO BOOM RIGGING NO. 48029 OR NO. 48237, JIB ASSEMBLY NO. 43730 AND WIRE ROPE SPECIFICATION CHART NO. 4899. 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.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE AND BOOM WITHIN THE BOOM ANGLE RANGE SHOWN IN CAPACITY CHART.

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 20'4" CRAWLERS, 38" OR 48" TREADS, 15' RETRACTABLE GANTRY, 10 OR 12 PART BOOM HOIST REEVING, TWO 1-1/2" BOOM PENDANTS, 1ST COUNTERWEIGHT = 32,000 LBS., 2ND COUNTERWEIGHT = 26,500 LBS., 3RD COUNTERWEIGHT = 15,500 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 CRAWLERS	
BOOM LGTH.	JIB NO. 123	BOOM LGTH.	JIB NO. 123
210'	---	190'	---
200'	---	180'	---
190'	30'	170'	30'
180'	50'	160'	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	
90	30	78.0	126.3	40,000*	80.3	125.8	40,000*				30
	35	75.6	125.1	40,000*	77.9	124.6	40,000*	80.2	123.4	40,000*	35
	40	73.1	123.6	40,000*	75.5	123.2	40,000*	77.8	121.9	40,000*	40
	45	70.7	121.9	40,000*	73.0	121.5	40,000*	75.2	120.2	40,000*	45
	50	68.1	120.0	37,500	70.5	119.5	38,100	72.7	118.3	38,600	50
	55	65.6	117.9	33,000	67.9	117.4	33,500	70.1	116.1	34,000	55
	60	63.0	115.4	29,400	65.3	114.9	29,800	67.5	113.6	30,200	60
	65	60.3	112.7	26,400	62.6	112.1	26,800	64.8	110.8	27,100	65
	70	57.6	109.6	23,800	59.9	109.1	24,200	62.0	107.7	24,500	70
	80	51.8	102.4	19,800	54.1	101.8	20,100	56.1	100.4	20,300	80
	90	45.5	93.5	16,800	47.8	92.9	17,000				90
	100	38.5	82.3	14,400	40.7	81.5	14,500				100

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74,000 LB. COUNTERWEIGHT
360 DEGREE RATING

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ANSI B30.5
REQUIREMENTS

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30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
100	30	78.9	136.5	40,000*	81.1	136.0	40,000*				30
	35	76.7	135.4	40,000*	78.8	134.9	40,000*	81.0	133.7	40,000*	35
	40	74.4	134.1	40,000*	76.6	133.6	40,000*	78.7	132.3	40,000*	40
	45	72.2	132.5	40,000*	74.3	132.0	40,000*	76.4	130.8	40,000*	45
	50	69.9	130.8	37,100	72.0	130.3	37,700	74.1	129.0	38,300	50
	55	67.5	128.8	32,600	69.7	128.3	33,100	71.7	127.0	33,700	55
	60	65.2	126.6	28,900	67.3	126.0	29,400	69.3	124.7	29,900	60
	65	62.8	124.1	25,900	64.9	123.6	26,400	66.9	122.2	26,800	65
	70	60.3	121.3	23,400	62.4	120.8	23,800	64.4	119.4	24,200	70
	80	55.2	114.9	19,400	57.3	114.4	19,700	59.2	112.9	20,000	80
	90	49.7	107.1	16,300	51.7	106.5	16,600	53.6	104.9	16,800	90
110	100	43.7	97.6	13,900	45.7	96.9	14,100				100
	110	37.0	85.6	12,000							110
120	30	79.7	146.7	40,000*							30
	35	77.6	145.6	40,000*	79.7	145.2	40,000*				35
	40	75.5	144.4	40,000*	77.6	143.9	40,000*	79.5	142.7	40,000*	40
	45	73.5	143.0	40,000*	75.5	142.5	40,000*	77.4	141.3	40,000*	45
	50	71.3	141.4	36,700	73.4	140.9	37,400	75.3	139.6	38,000	50
	55	69.2	139.6	32,200	71.2	139.1	32,800	73.1	137.8	33,400	55
	60	67.0	137.5	28,600	69.0	137.0	29,100	70.9	135.7	29,600	60
	65	64.8	135.3	25,600	66.8	134.7	26,100	68.7	133.4	26,500	65
	70	62.6	132.7	23,000	64.6	132.2	23,500	66.4	130.8	23,900	70
	80	57.9	126.9	19,000	59.9	126.4	19,400	61.7	125.0	19,700	80
	90	53.0	120.0	16,000	55.0	119.4	16,300	56.7	117.9	16,500	90
	100	47.8	111.6	13,600	49.7	111.0	13,800	51.3	109.3	14,000	100
130	110	42.0	101.5	11,600	43.9	100.8	11,800				110
	120	35.6	88.9	10,000							120
140	30	80.4	156.8	40,000*							30
	35	78.4	155.9	40,000*	80.3	155.4	40,000*				35
	40	76.5	154.7	40,000*	78.4	154.3	40,000*	80.3	153.0	40,000*	40
	45	74.6	153.4	40,000*	76.5	152.9	40,000*	78.3	151.7	40,000*	45
	50	72.6	151.9	36,300	74.5	151.4	37,000	76.3	150.1	37,700	50
	55	70.6	150.2	31,800	72.5	149.7	32,500	74.3	148.4	33,100	55
	60	68.6	148.3	28,200	70.5	147.8	28,700	72.3	146.5	29,300	60
	65	66.6	146.3	25,200	68.4	145.7	25,700	70.2	144.4	26,200	65
	70	64.5	143.9	22,600	66.4	143.4	23,100	68.1	142.0	23,500	70
	80	60.3	138.6	18,600	62.1	138.1	19,000	63.8	136.7	19,300	80
	90	55.8	132.3	15,500	57.6	131.7	15,900	59.3	130.2	16,100	90
	100	51.1	124.8	13,100	52.9	124.2	13,400	54.5	122.6	13,600	100
	110	46.1	115.9	11,200	47.8	115.3	11,400				110
	120	40.6	105.2	9,600	42.3	104.5	9,800				120
	130	34.3	92.0	8,300							130
150	30	81.0	167.0	40,000*							30
	35	79.2	166.1	40,000*	80.9	165.6	40,000*				35
	40	77.4	165.0	40,000*	79.1	164.5	40,000*	80.9	163.2	40,000*	40
	45	75.5	163.8	40,000*	77.3	163.3	40,000*	79.0	162.0	40,000*	45
	50	73.7	162.4	36,000	75.5	161.9	36,800	77.2	160.6	37,500	50
	55	71.9	160.8	31,500	73.6	160.3	32,200	75.3	159.0	32,800	55
	60	70.0	159.1	27,900	71.8	158.5	28,500	73.4	157.2	29,000	60
	65	68.1	157.1	24,800	69.9	156.6	25,400	71.5	155.2	25,900	65
	70	66.2	155.0	22,300	67.9	154.4	22,800	69.6	153.1	23,300	70
	80	62.3	150.1	18,300	64.0	149.5	18,700	65.6	148.1	19,100	80
	90	58.2	144.3	15,200	59.9	143.7	15,600	61.5	142.2	15,900	90
	100	53.9	137.5	12,800	55.6	136.9	13,100	57.1	135.3	13,400	100
	110	49.4	129.5	10,900	51.1	128.8	11,100	52.5	127.2	11,300	110
	120	44.6	120.1	9,300	46.2	119.4	9,500				120
	130	39.2	108.8	7,900	40.9	108.0	8,100				130
	140	33.2	95.0	6,800							140

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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	
140	35	79.8	176.3	40,000*							35
	40	78.1	175.3	40,000*	79.8	174.8	40,000*				40
	45	76.4	174.1	40,000*	78.1	173.6	40,000*	79.7	172.3	40,000*	45
	50	74.7	172.8	35,700	76.4	172.3	36,500	78.0	171.0	37,300	50
	55	73.0	171.3	31,200	74.6	170.8	31,900	76.2	169.5	32,600	55
	60	71.2	169.7	27,500	72.9	169.2	28,200	74.4	167.8	28,800	60
	65	69.4	167.9	24,500	71.1	167.3	25,100	72.7	166.0	25,600	65
	70	67.6	165.9	22,000	69.3	165.3	22,500	70.8	164.0	23,000	70
	80	64.0	161.3	17,900	65.6	160.8	18,400	67.2	159.4	18,800	80
	90	60.2	156.0	14,900	61.8	155.4	15,200	63.3	153.9	15,600	90
	100	56.3	149.7	12,500	57.9	149.1	12,800	59.4	147.6	13,100	100
	110	52.2	142.4	10,500	53.8	141.8	10,800	55.2	140.2	11,000	110
	120	47.8	134.0	8,900	49.4	133.3	9,200	50.8	131.6	9,400	120
	130	43.2	124.1	7,600	44.7	123.3	7,800				130
	140	38.0	112.3	6,500							140
	150	32.2	97.9	5,500							150
150	35	80.4	186.4	40,000*							35
	40	78.8	185.5	40,000*	80.4	185.0	40,000*				40
	45	77.2	184.4	40,000*	78.7	183.9	40,000*	80.3	182.6	40,000*	45
	50	75.5	183.2	35,300	77.1	182.6	36,100	78.6	181.3	37,000	50
	55	73.9	181.8	30,800	75.5	181.3	31,500	77.0	179.9	32,300	55
	60	72.3	180.2	27,100	73.8	179.7	27,800	75.3	178.4	28,500	60
	65	70.6	178.5	24,100	72.2	178.0	24,700	73.7	176.6	25,300	65
	70	68.9	176.6	21,500	70.5	176.1	22,100	72.0	174.7	22,600	70
	80	65.5	172.4	17,500	67.1	171.9	18,000	68.5	170.4	18,400	80
	90	62.0	167.4	14,400	63.6	166.8	14,800	65.0	165.4	15,200	90
	100	58.4	161.6	12,000	59.9	161.0	12,400	61.3	159.5	12,700	100
	110	54.6	154.9	10,100	56.1	154.3	10,400	57.5	152.7	10,700	110
	120	50.6	147.2	8,500	52.1	146.6	8,800	53.4	144.9	9,000	120
	130	46.4	138.3	7,200	47.9	137.6	7,400				130
	140	41.9	127.9	6,000	43.4	127.2	6,200				140
	150	36.9	115.6	5,100							150
	160	31.3	100.7	4,200							160
160	35	80.9	196.6	40,000*							35
	40	79.4	195.7	40,000*	80.9	195.2	40,000*				40
	45	77.8	194.6	40,000*	79.3	194.1	40,000*	80.8	192.8	40,000*	45
	50	76.3	193.5	34,900	77.8	193.0	35,900	79.3	191.6	36,700	50
	55	74.8	192.2	30,400	76.3	191.6	31,300	77.7	190.3	32,000	55
	60	73.2	190.7	26,800	74.7	190.2	27,500	76.1	188.8	28,200	60
	65	71.7	189.1	23,800	73.1	188.6	24,400	74.6	187.2	25,000	65
	70	70.1	187.3	21,200	71.6	186.8	21,800	73.0	185.4	22,400	70
	80	66.9	183.3	17,200	68.3	182.8	17,700	69.7	181.4	18,200	80
	90	63.6	178.7	14,100	65.0	178.1	14,500	66.4	176.7	14,900	90
	100	60.2	173.3	11,700	61.7	172.7	12,100	63.0	171.2	12,400	100
	110	56.7	167.1	9,800	58.1	166.5	10,100	59.4	164.9	10,400	110
	120	53.1	160.0	8,200	54.5	159.4	8,500	55.7	157.7	8,700	120
	130	49.2	151.9	6,800	50.6	151.2	7,100	51.8	149.5	7,300	130
	140	45.1	142.5	5,700	46.5	141.8	5,900				140
	150	40.7	131.7	4,700	42.1	130.9	4,900				150
	160	35.9	118.9	3,900							160
	170	30.4	103.5	3,100							170

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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	
170	40	79.9	205.9	40,000*							40
	45	78.4	204.9	40,000*	79.9	204.4	40,000*				45
	50	77.0	203.8	34,600	78.4	203.2	35,600	79.8	201.9	36,300*	50
	55	75.5	202.5	30,100	77.0	202.0	31,000	78.3	200.6	31,800	55
	60	74.1	201.1	26,400	75.5	200.6	27,200	76.9	199.3	27,900	60
	65	72.6	199.6	23,400	74.0	199.1	24,100	75.4	197.7	24,800	65
	70	71.1	198.0	20,900	72.5	197.4	21,500	73.9	196.0	22,100	70
	80	68.1	194.2	16,800	69.5	193.6	17,400	70.8	192.2	17,900	80
	90	65.0	189.8	13,800	66.4	189.2	14,200	67.7	187.8	14,600	90
	100	61.8	184.7	11,400	63.2	184.2	11,800	64.5	182.7	12,100	100
	110	58.5	179.0	9,400	59.9	178.4	9,800	61.2	176.8	10,100	110
	120	55.2	172.4	7,800	56.5	171.7	8,100	57.7	170.1	8,400	120
	130	51.6	164.9	6,500	53.0	164.2	6,800	54.1	162.5	7,000	130
	140	47.9	156.3	5,400	49.2	155.7	5,600	50.4	153.9	5,800	140
	150	43.9	146.6	4,400	45.3	145.8	4,600				150
	160	39.7	135.3	3,500	41.0	134.5	3,700				160
180	40	80.4	216.0	40,000*	80.4	214.6	40,000*				40
	45	79.0	215.1	39,900							45
	50	77.6	214.0	34,200	79.0	213.5	35,200	80.3	212.2	35,500*	50
	55	76.2	212.8	29,700	77.6	212.3	30,600	78.9	211.0	31,500	55
	60	74.8	211.5	26,100	76.2	211.0	26,900	77.5	209.6	27,600	60
	65	73.4	210.1	23,000	74.8	209.6	23,800	76.1	208.2	24,500	65
	70	72.0	208.5	20,500	73.4	208.0	21,200	74.7	206.6	21,800	70
	80	69.2	204.9	16,400	70.5	204.4	17,000	71.8	203.0	17,500	80
	90	66.2	200.8	13,400	67.6	200.2	13,900	68.8	198.8	14,300	90
	100	63.3	196.0	11,000	64.6	195.5	11,400	65.8	194.0	11,800	100
	110	60.2	190.6	9,000	61.5	190.0	9,400	62.7	188.5	9,700	110
	120	57.0	184.4	7,400	58.3	183.8	7,700	59.5	182.3	8,000	120
	130	53.7	177.5	6,100	55.0	176.8	6,400	56.2	175.2	6,600	130
	140	50.3	169.6	4,900	51.6	168.9	5,200	52.7	167.2	5,400	140
	150	46.7	160.7	4,000	47.9	160.0	4,200				150
	160	42.8	150.5	3,100	44.1	149.8	3,300				160
190	40	80.8	226.2	40,000*	80.8	224.7	40,000*				40
	45	79.5	225.3	39,600							45
	50	78.2	224.3	33,900	79.5	223.7	35,000	80.7	222.4	34,700*	50
	55	76.9	223.1	29,400	78.2	222.6	30,300	79.4	221.2	31,200	55
	60	75.5	221.9	25,700	76.8	221.4	26,600	78.1	220.0	27,400	60
	65	74.2	220.5	22,700	75.5	220.0	23,500	76.7	218.6	24,200	65
	70	72.9	219.0	20,200	74.1	218.5	20,900	75.4	217.1	21,500	70
	80	70.1	215.6	16,100	71.4	215.1	16,700	72.6	213.7	17,300	80
	90	67.4	211.7	13,000	68.6	211.1	13,500	69.8	209.7	14,000	90
	100	64.5	207.2	10,600	65.8	206.6	11,100	67.0	205.1	11,500	100
	110	61.7	202.1	8,700	62.9	201.5	9,100	64.1	200.0	9,400	110
	120	58.7	196.3	7,100	59.9	195.7	7,400	61.1	194.1	7,700	120
	130	55.6	189.8	5,800	56.8	189.1	6,100	57.9	187.5	6,300	130
	140	52.4	182.5	4,600	53.6	181.8	4,900	54.7	180.1	5,100	140
	150	49.1	174.2	3,600	50.3	173.5	3,900	51.3	171.8	4,100	150
	160				46.8	164.2	3,000				160

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. 8 WITH OPEN THROAT TOP
74,000 LB. COUNTERWEIGHT
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

3900

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	30	79.1	136.5	30,000*	79.8	134.8	30,000*				30
	35	76.9	135.4	30,000*	77.6	133.4	30,000*				35
	40	74.7	134.0	30,000*	75.3	131.9	30,000*	80.5	131.9	30,000*	40
	45	72.4	132.5	30,000*	73.0	130.1	30,000*	78.2	130.3	30,000*	45
	50	70.1	130.8	30,000*	70.7	128.1	30,000*	75.8	128.5	30,000*	50
	55	67.8	128.8	30,000*	68.3	125.9	30,000*	73.5	126.5	30,000*	55
	60	65.4	126.5	29,500	65.9	123.4	27,000	71.0	124.3	30,000*	60
	65	63.0	124.1	26,500	63.4	120.6	24,400	68.6	121.7	27,500	65
	70	60.5	121.3	23,900	58.2	114.2	20,300	66.1	118.9	24,800	70
	80	55.4	114.9	19,900	52.7	106.3	17,200	60.8	112.4	20,600	80
100	90	49.9	107.1	16,900	46.6	96.7	14,700	55.2	104.4	17,400	90
	100	43.9	97.6	14,500							100
	110	37.2	85.6	12,500							110
	30	79.9	146.7	30,000*	80.6	145.0	30,000*				30
	35	77.8	145.6	30,000*	78.5	143.8	30,000*	81.2	142.2	30,000*	35
	40	75.8	144.4	30,000*	76.4	142.4	30,000*	79.0	140.8	30,000*	40
	45	73.7	143.0	30,000*	74.3	140.7	30,000*	76.9	139.1	30,000*	45
	50	71.6	141.4	30,000*	72.1	138.9	30,000*	74.7	137.3	30,000*	50
	55	69.4	139.6	30,000*	69.9	136.9	29,700	72.5	135.2	30,000*	55
	60	67.3	137.5	29,000	67.7	134.6	26,600	70.3	132.9	27,100	60
110	65	65.0	135.2	26,000	65.4	132.1	24,000	68.0	130.3	24,500	65
	70	62.8	132.7	23,500	60.8	126.2	19,900	63.2	124.4	20,300	70
	80	58.1	126.9	19,500	55.8	119.2	16,800	58.2	117.3	17,100	80
	90	53.2	120.0	16,400	50.5	110.8	14,300	52.8	108.7	14,500	90
	100	48.0	111.6	14,000	44.8	100.5	12,300				100
	110	42.3	101.4	12,100							110
	120	35.8	88.9	10,500							120
	30	80.6	156.8	30,000*	81.2	155.2	30,000*				30
	35	78.7	155.9	30,000*	79.3	154.1	30,000*	79.8	151.1	30,000*	35
	40	76.7	154.7	30,000*	77.3	152.8	30,000*	77.8	149.6	30,000*	40
120	45	74.8	153.4	30,000*	75.3	151.3	30,000*	75.8	147.9	30,000*	45
	50	72.8	151.9	30,000*	71.3	147.7	29,400	73.7	146.0	30,000*	50
	55	70.8	150.2	30,000*	69.3	145.6	26,300	71.7	143.9	26,900	55
	60	68.8	148.3	28,700	67.2	143.2	23,700	69.6	141.5	24,200	60
	65	66.8	146.2	25,700	62.9	137.9	19,600	65.2	136.1	20,000	65
	70	64.7	143.9	23,100	58.4	131.6	16,400	60.7	129.7	16,800	70
	80	60.5	138.6	19,100	53.7	124.0	14,000	55.9	122.0	14,300	80
	90	56.0	132.3	16,100	48.6	115.0	12,000	50.7	112.8	12,200	90
	100	51.3	124.8	13,700	43.1	104.2	10,300				100
	110	46.3	115.9	11,700							110
130	120	40.8	105.2	10,100							120
	130	34.6	92.0	8,800							130
	30	81.2	167.0	30,000*	79.9	164.4	30,000*				30
	35	79.4	166.1	30,000*	78.1	163.1	30,000*	80.4	161.5	30,000*	35
	40	77.6	165.0	30,000*	76.3	161.7	30,000*	78.6	160.0	30,000*	40
	45	75.7	163.8	30,000*	74.4	160.1	30,000*	76.7	158.4	30,000*	45
	50	73.9	162.4	30,000*	72.5	158.4	29,000	74.8	156.7	29,700	50
	55	72.1	160.8	30,000*	70.6	156.4	25,900	72.9	154.7	26,600	55
	60	70.2	159.0	28,300	68.7	154.3	23,300	70.9	152.5	23,900	60
	65	68.3	157.1	25,300	64.8	149.4	19,200	66.9	147.5	19,700	65
140	70	66.4	155.0	22,700	60.7	143.5	16,000	62.8	141.6	16,400	70
	80	62.5	150.1	18,700	56.4	136.7	13,600	58.4	134.7	13,900	80
	90	58.4	144.3	15,600	51.8	128.6	11,600	53.8	126.5	11,900	90
	100	54.1	137.5	13,200	46.9	119.1	9,900				100
	110	49.6	129.5	11,300	41.6	107.8	8,600				110
	120	44.7	120.0	9,700							120
	130	39.4	108.8	8,400							130
	140	33.4	95.0	7,200							140

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. 8 WITH OPEN THROAT TOP
74,000 LB. COUNTERWEIGHT
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

3900

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	35	80.0	176.3	30,000*							35
	40	78.3	175.3	30,000*	80.5	174.6	30,000*				40
	45	76.6	174.1	30,000*	78.8	173.4	30,000*	81.0	171.8	30,000*	45
	50	74.9	172.8	30,000*	77.1	172.1	30,000*	79.3	170.4	30,000*	50
	55	73.1	171.3	30,000*	75.4	170.6	30,000*	77.5	168.9	30,000*	55
	60	71.4	169.7	27,900	73.6	169.0	28,700	75.8	167.3	29,500	60
	65	69.6	167.8	24,900	71.8	167.2	25,600	74.0	165.4	26,300	65
	70	67.8	165.9	22,400	70.0	165.2	23,000	72.1	163.4	23,600	70
	80	64.2	161.3	18,300	66.4	160.6	18,900	68.4	158.8	19,400	80
	90	60.4	156.0	15,300	62.6	155.2	15,700	64.6	153.3	16,200	90
	100	56.5	149.7	12,900	58.6	148.9	13,300	60.6	146.9	13,600	100
	110	52.4	142.4	10,900	54.5	141.6	11,300	56.4	139.5	11,600	110
	120	48.0	134.0	9,400	50.1	133.1	9,600	52.0	130.9	9,900	120
	130	43.4	124.0	8,000	45.4	123.1	8,300				130
	140	38.2	112.3	6,900							140
	150	32.4	97.9	5,900							150
140	35	80.5	186.4	30,000*							35
	40	78.9	185.5	30,000*	81.1	184.8	30,000*				40
	45	77.3	184.4	30,000*	79.4	183.7	30,000*				45
	50	75.7	183.1	30,000*	77.8	182.5	30,000*	79.9	180.8	30,000*	50
	55	74.1	181.8	30,000*	76.2	181.1	30,000*	78.2	179.3	30,000*	55
	60	72.4	180.2	27,600	74.5	179.5	28,400	76.6	177.8	29,200	60
	65	70.8	178.5	24,600	72.9	177.8	25,300	74.9	176.0	26,100	65
	70	69.1	176.6	22,000	71.2	175.9	22,700	73.2	174.2	23,400	70
	80	65.7	172.4	18,000	67.8	171.7	18,600	69.7	169.8	19,100	80
	90	62.2	167.4	14,900	64.2	166.7	15,400	66.2	164.8	15,900	90
	100	58.6	161.6	12,500	60.6	160.8	13,000	62.5	158.9	13,300	100
	110	54.8	154.9	10,600	56.8	154.1	11,000	58.6	152.1	11,300	110
	120	50.8	147.2	9,000	52.8	146.4	9,300	54.6	144.2	9,600	120
	130	46.6	138.3	7,700	48.6	137.4	7,900				130
	140	42.1	127.9	6,500	44.0	126.9	6,800				140
	150	37.1	115.6	5,600							150
	160	31.5	100.7	4,700							160
150	35	81.0	196.6	30,000*							35
	40	79.5	195.7	30,000*							40
	45	78.0	194.6	30,000*	80.0	194.0	30,000*				45
	50	76.5	193.5	30,000*	78.5	192.8	30,000*	80.4	191.1	30,000*	50
	55	74.9	192.2	30,000*	76.9	191.5	30,000*	78.9	189.7	30,000*	55
	60	73.4	190.7	27,200	75.4	190.0	28,100	77.3	188.2	29,000	60
	65	71.8	189.1	24,200	73.8	188.4	25,000	75.7	186.6	25,800	65
	70	70.2	187.3	21,600	72.2	186.6	22,400	74.1	184.8	23,100	70
	80	67.0	183.3	17,600	69.0	182.6	18,200	70.9	180.8	18,800	80
	90	63.8	178.7	14,500	65.7	177.9	15,100	67.5	176.0	15,500	90
	100	60.4	173.3	12,100	62.3	172.5	12,600	64.1	170.6	13,000	100
	110	56.9	167.1	10,200	58.8	166.3	10,600	60.5	164.3	10,900	110
	120	53.2	160.0	8,600	55.1	159.1	8,900	56.8	157.0	9,200	120
	130	49.4	151.8	7,200	51.3	151.0	7,500	52.9	148.7	7,800	130
	140	45.3	142.5	6,100	47.2	141.5	6,400				140
	150	40.9	131.6	5,100	42.7	130.6	5,300				150
	160	36.1	118.9	4,300							160
	170	30.6	103.4	3,500							170

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. 8 WITH OPEN THROAT TOP
74,000 LB. COUNTERWEIGHT
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

3900

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	
160	40	80.0	205.8	30,000*							40
	45	78.6	204.9	30,000*	80.5	204.2	30,000*				45
	50	77.2	203.8	30,000*	79.1	203.1	30,000*	80.9	201.3	30,000*	50
	55	75.7	202.5	30,000*	77.6	201.8	30,000*	79.5	200.1	30,000*	55
	60	74.2	201.1	26,900	76.1	200.4	27,800	78.0	198.7	28,700	60
	65	72.8	199.6	23,800	74.6	198.9	24,700	76.5	197.1	25,500	65
	70	71.3	197.9	21,300	73.1	197.2	22,100	75.0	195.4	22,800	70
	80	68.2	194.2	17,300	70.1	193.5	17,900	71.9	191.6	18,500	80
	90	65.1	189.8	14,200	67.0	189.0	14,800	68.8	187.2	15,300	90
	100	62.0	184.7	11,800	63.8	184.0	12,300	65.5	182.0	12,700	100
	110	58.7	178.9	9,800	60.5	178.2	10,300	62.2	176.1	10,700	110
	120	55.3	172.4	8,200	57.1	171.5	8,600	58.8	169.4	8,900	120
	130	51.8	164.9	6,900	53.6	164.0	7,200	55.2	161.8	7,500	130
	140	48.1	156.3	5,800	49.8	155.4	6,100	51.4	153.1	6,300	140
	150	44.1	146.6	4,800	45.8	145.6	5,000				150
	160	39.8	135.3	3,900	41.5	134.2	4,200				160
	170	35.1	122.1	3,200							170
170	40	80.5	216.0	30,000*	81.0	214.4	30,000*				40
	45	79.1	215.1	30,000*							45
	50	77.8	214.0	30,000*	79.6	213.3	30,000*				50
	55	76.4	212.8	30,000*	78.2	212.1	30,000*	80.0	210.4	29,700*	55
	60	75.0	211.5	26,500	76.8	210.8	27,500	78.6	209.0	28,500	60
	65	73.6	210.1	23,500	75.4	209.4	24,400	77.1	207.6	25,300	65
	70	72.2	208.5	21,000	74.0	207.8	21,800	75.7	206.0	22,600	70
	80	69.3	204.9	16,900	71.1	204.2	17,600	72.8	202.4	18,300	80
	90	66.4	200.8	13,800	68.2	200.0	14,400	69.8	198.2	15,000	90
	100	63.4	196.0	11,400	65.2	195.3	12,000	66.8	193.3	12,400	100
	110	60.3	190.6	9,500	62.1	189.8	9,900	63.7	187.8	10,400	110
	120	57.2	184.4	7,900	58.9	183.6	8,300	60.5	181.6	8,600	120
	130	53.9	177.5	6,600	55.6	176.6	6,900	57.1	174.5	7,200	130
	140	50.4	169.6	5,400	52.1	168.7	5,700	53.6	166.5	6,000	140
	150	46.8	160.7	4,400	48.5	159.7	4,700				150
	160	43.0	150.5	3,600	44.6	149.5	3,800				160
	170				40.5	137.7	3,000				170
180	40	80.9	226.1	30,000*							40
	45	79.6	225.3	30,000*							45
	50	78.3	224.2	30,000*	80.1	223.5	30,000*				50
	55	77.0	223.1	29,800	78.7	222.4	30,000*	80.4	220.6	29,100*	55
	60	75.7	221.9	26,100	77.4	221.2	27,200	79.1	219.4	28,100*	60
	65	74.3	220.5	23,100	76.1	219.8	24,100	77.7	218.0	25,000	65
	70	73.0	219.0	20,600	74.7	218.3	21,400	76.4	216.5	22,300	70
	80	70.3	215.6	16,500	72.0	214.9	17,300	73.6	213.0	17,900	80
	90	67.5	211.7	13,400	69.2	210.9	14,100	70.8	209.1	14,700	90
	100	64.7	207.2	11,000	66.4	206.4	11,600	68.0	204.5	12,100	100
	110	61.8	202.1	9,100	63.5	201.3	9,600	65.0	199.3	10,000	110
	120	58.8	196.3	7,500	60.5	195.5	7,900	62.0	193.4	8,300	120
	130	55.7	189.8	6,200	57.4	188.9	6,500	58.9	186.8	6,900	130
	140	52.6	182.4	5,000	54.2	181.6	5,300	55.6	179.4	5,600	140
	150	49.2	174.2	4,000	50.8	173.3	4,300	52.2	171.0	4,600	150
	160	45.7	164.9	3,200	47.3	163.9	3,400				160

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. 8 WITH OPEN THROAT TOP
74,000 LB. COUNTERWEIGHT
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

3900

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	30	80.2	146.9	20,000*							30
	35	78.1	145.9	20,000*							35
	40	76.1	144.7	20,000*	79.5	144.0	20,000*				40
	45	74.0	143.3	20,000*	77.4	142.6	20,000*	80.8	140.9	20,000*	45
	50	71.9	141.7	20,000*	75.3	141.0	20,000*	78.6	139.3	20,000*	50
	55	69.8	139.9	20,000*	73.1	139.2	20,000*	76.4	137.5	20,000*	55
	60	67.6	137.9	20,000*	70.9	137.2	20,000*	74.2	135.4	20,000*	60
	65	65.4	135.7	20,000*	68.7	135.0	20,000*	72.0	133.2	20,000*	65
	70	63.1	133.2	20,000*	66.5	132.5	20,000*	69.7	130.6	20,000*	70
	80	58.5	127.5	20,000*	61.8	126.8	20,000*	65.0	124.8	20,000*	80
	90	53.6	120.7	17,000	56.9	119.9	17,300	60.0	117.8	17,700	90
	100	48.4	112.4	14,600	51.7	111.6	14,900	54.6	109.3	15,200	100
100	110	42.8	102.5	12,600	45.9	101.6	12,900				110
	120	36.4	90.2	11,000							120
	30	80.8	157.0	20,000*							30
	35	78.9	156.1	20,000*							35
	40	77.0	155.0	20,000*	80.2	154.3	20,000*				40
	45	75.1	153.7	20,000*	78.2	153.0	20,000*	81.4	151.2	20,000*	45
	50	73.1	152.2	20,000*	76.3	151.5	20,000*	79.4	149.7	20,000*	50
	55	71.1	150.6	20,000*	74.3	149.9	20,000*	77.4	148.0	20,000*	55
	60	69.1	148.7	20,000*	72.3	148.0	20,000*	75.4	146.2	20,000*	60
	65	67.1	146.6	20,000*	70.2	145.9	20,000*	73.3	144.1	20,000*	65
	70	65.0	144.4	20,000*	68.2	143.7	20,000*	71.2	141.8	20,000*	70
	80	60.8	139.2	19,600	63.9	138.4	20,000*	66.9	136.4	20,000*	80
110	90	56.4	132.9	16,500	59.5	132.2	17,000	62.3	130.1	17,400	90
	100	51.7	125.6	14,100	54.7	124.7	14,500	57.6	122.5	14,800	100
	110	46.7	116.8	12,200	49.7	115.9	12,500	52.4	113.5	12,800	110
	120	41.2	106.3	10,600	44.2	105.3	10,800				120
	130	35.1	93.3	9,200							130
	30	81.4	167.1	20,000*							30
	35	79.6	166.3	20,000*							35
	40	77.8	165.2	20,000*	80.8	164.6	20,000*				40
	45	76.0	164.0	20,000*	79.0	163.3	20,000*				45
	50	74.2	162.7	20,000*	77.2	162.0	20,000*	80.1	160.1	20,000*	50
	55	72.3	161.1	20,000*	75.3	160.4	20,000*	78.2	158.5	20,000*	55
	60	70.5	159.4	20,000*	73.4	158.7	20,000*	76.3	156.8	20,000*	60
120	65	68.6	157.5	20,000*	71.5	156.8	20,000*	74.4	154.8	20,000*	65
	70	66.7	155.4	20,000*	69.6	154.7	20,000*	72.5	152.7	20,000*	70
	80	62.8	150.6	19,200	65.7	149.8	19,800	68.5	147.8	20,000*	80
	90	58.7	144.9	16,200	61.6	144.1	16,600	64.3	142.0	17,100	90
	100	54.5	138.1	13,800	57.3	137.3	14,200	60.0	135.1	14,500	100
	110	50.0	130.3	11,800	52.8	129.4	12,200	55.4	127.1	12,500	110
	120	45.2	121.0	10,200	48.0	120.0	10,500	50.4	117.5	10,800	120
	130	39.9	109.9	8,900	42.6	108.9	9,100				130
	140	34.0	96.4	7,700							140
	35	80.2	176.4	20,000*							35
	40	78.5	175.5	20,000*	81.4	174.8	20,000*				40
130	45	76.8	174.3	20,000*	79.6	173.6	20,000*				45
	50	75.1	173.0	20,000*	77.9	172.3	20,000*	80.7	170.5	20,000*	50
	55	73.4	171.6	20,000*	76.2	170.9	20,000*	78.9	169.0	20,000*	55
	60	71.7	170.0	20,000*	74.4	169.3	20,000*	77.2	167.3	20,000*	60
	65	69.9	168.2	20,000*	72.7	167.5	20,000*	75.4	165.5	20,000*	65
	70	68.1	166.2	20,000*	70.9	165.5	20,000*	73.6	163.5	20,000*	70
	80	64.5	161.8	18,800	67.2	161.0	19,400	69.9	159.0	20,000*	80
	90	60.7	156.5	15,700	63.4	155.7	16,300	66.0	153.6	16,800	90
	100	56.8	150.3	13,300	59.5	149.5	13,800	62.1	147.3	14,200	100
	110	52.7	143.2	11,400	55.4	142.3	11,800	57.9	140.0	12,100	110
	120	48.4	134.8	9,800	51.0	133.9	10,100	53.4	131.4	10,400	120
	130	43.7	125.0	8,500	46.4	124.0	8,700				130
140	38.7	113.4	7,300		41.2	112.3	7,500				140
	150	32.9	99.4	6,300							150

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. 8 WITH OPEN THROAT TOP
74,000 LB. COUNTERWEIGHT
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

3900

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	35	80.8	186.6	20,000*							35
	40	79.2	185.7	20,000*							40
	45	77.6	184.6	20,000*	80.2	183.9	20,000*				45
	50	76.0	183.4	20,000*	78.6	182.7	20,000*	81.2	180.8	20,000*	50
	55	74.3	182.0	20,000*	77.0	181.3	20,000*	79.6	179.4	20,000*	55
	60	72.7	180.5	20,000*	75.3	179.8	20,000*	77.9	177.8	20,000*	60
	65	71.0	178.8	20,000*	73.7	178.1	20,000*	76.2	176.1	20,000*	65
	70	69.4	177.0	20,000*	72.0	176.3	20,000*	74.5	174.3	20,000*	70
	80	66.0	172.8	18,500	68.6	172.1	19,200	71.1	170.0	19,800	80
	90	62.5	167.9	15,400	65.0	167.1	16,000	67.5	165.0	16,500	90
	100	58.8	162.2	13,000	61.4	161.4	13,500	63.8	159.2	13,900	100
	110	55.1	155.6	11,100	57.6	154.7	11,500	60.0	152.4	11,900	110
	120	51.1	148.0	9,500	53.7	147.1	9,800	56.0	144.7	10,100	120
	130	47.0	139.2	8,100	49.5	138.2	8,400	51.7	135.6	8,700	130
	140	42.5	128.9	7,000	44.9	127.9	7,200				140
	150	37.5	116.9	6,000							150
	160	32.0	102.2	5,200							160
140	35	81.3	196.7	20,000*							35
	40	79.7	195.9	20,000*							40
	45	78.2	194.8	20,000*	80.7	194.1	20,000*				45
	50	76.7	193.7	20,000*	79.2	193.0	20,000*				50
	55	75.2	192.4	20,000*	77.7	191.7	20,000*	80.2	189.7	20,000*	55
	60	73.6	191.0	20,000*	76.1	190.2	20,000*	78.6	188.3	20,000*	60
	65	72.1	189.4	20,000*	74.6	188.7	20,000*	77.0	186.7	20,000*	65
	70	70.5	187.7	20,000*	73.0	186.9	20,000*	75.4	184.9	20,000*	70
	80	67.3	183.7	18,100	69.8	183.0	18,900	72.1	180.9	19,500	80
	90	64.0	179.1	15,100	66.5	178.3	15,700	68.8	176.2	16,200	90
	100	60.6	173.8	12,700	63.1	173.0	13,200	65.4	170.8	13,700	100
	110	57.1	167.7	10,700	59.6	166.8	11,200	61.8	164.6	11,600	110
	120	53.5	160.7	9,100	55.9	159.8	9,500	58.1	157.4	9,900	120
	130	49.7	152.6	7,800	52.1	151.7	8,100	54.2	149.2	8,400	130
	140	45.6	143.4	6,600	48.0	142.4	6,900				140
	150	41.3	132.7	5,600	43.6	131.6	5,900				150
	160	36.5	120.2	4,800							160
	170	31.1	105.0	4,000							170
150	40	80.3	206.0	20,000*							40
	45	78.8	205.1	20,000*	81.2	204.3	20,000*				45
	50	77.4	204.0	20,000*	79.8	203.2	20,000*				50
	55	75.9	202.8	20,000*	78.3	202.0	20,000*	80.7	200.0	20,000*	55
	60	74.5	201.4	20,000*	76.8	200.7	20,000*	79.2	198.6	20,000*	60
	65	73.0	199.9	20,000*	75.3	199.2	20,000*	77.7	197.1	20,000*	65
	70	71.5	198.3	20,000*	73.9	197.5	20,000*	76.2	195.5	20,000*	70
	80	68.5	194.6	17,700	70.8	193.8	18,500	73.1	191.7	19,200	80
	90	65.4	190.2	14,700	67.7	189.4	15,300	70.0	187.3	15,900	90
	100	62.2	185.2	12,200	64.5	184.4	12,800	66.8	182.2	13,300	100
	110	59.0	179.5	10,300	61.3	178.7	10,800	63.4	176.4	11,200	110
	120	55.6	173.0	8,700	57.9	172.1	9,100	60.0	169.8	9,500	120
	130	52.1	165.6	7,400	54.3	164.7	7,700	56.4	162.2	8,100	130
	140	48.4	157.2	6,200	50.6	156.2	6,500	52.6	153.6	6,800	140
	150	44.4	147.5	5,200	46.7	146.5	5,500				150
	160	40.2	136.4	4,400	42.4	135.3	4,600				160
	170	35.5	123.4	3,600							170

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. 8 WITH OPEN THROAT TOP
74,000 LB. COUNTERWEIGHT
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

3900

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	
160	40	80.7	216.2	20,000*							40
	45	79.4	215.3	20,000*							45
	50	78.0	214.2	20,000*	80.3	213.5	20,000*				50
	55	76.6	213.1	20,000*	78.9	212.3	20,000*	81.1	210.3	20,000*	55
	60	75.2	211.8	20,000*	77.5	211.0	20,000*	79.7	209.0	20,000*	60
	65	73.8	210.4	20,000*	76.1	209.6	20,000*	78.3	207.6	20,000*	65
	70	72.4	208.8	20,000*	74.6	208.0	20,000*	76.9	206.0	20,000*	70
	80	69.5	205.3	17,400	71.8	204.5	18,200	74.0	202.4	19,000	80
	90	66.6	201.2	14,300	68.9	200.4	15,000	71.0	198.3	15,700	90
	100	63.6	196.5	11,900	65.9	195.7	12,500	68.0	193.5	13,100	100
	110	60.6	191.1	10,000	62.8	190.3	10,500	64.9	188.0	11,000	110
	120	57.4	185.0	8,400	59.6	184.2	8,800	61.6	181.8	9,200	120
	130	54.1	178.2	7,000	56.3	177.2	7,400	58.3	174.8	7,800	130
	140	50.7	170.4	5,900	52.9	169.4	6,200	54.8	166.9	6,500	140
	150	47.1	161.6	4,900	49.3	160.5	5,200	51.1	157.8	5,500	150
	160	43.3	151.5	4,000	45.4	150.4	4,300				160
	170	39.2	140.0	3,300	41.3	138.8	3,500				170
170	40	81.1	226.3	20,000*							40
	45	79.8	225.4	20,000*							45
	50	78.5	224.5	20,000*	80.7	223.7	20,000*				50
	55	77.2	223.3	20,000*	79.4	222.6	20,000*				55
	60	75.9	222.1	20,000*	78.0	221.4	20,000*	80.2	219.3	20,000*	60
	65	74.5	220.8	20,000*	76.7	220.0	20,000*	78.8	217.9	20,000*	65
	70	73.2	219.3	20,000*	75.4	218.5	20,000*	77.5	216.4	20,000*	70
	80	70.5	216.0	17,100	72.6	215.2	17,900	74.7	213.1	18,700	80
	90	67.7	212.1	14,000	69.9	211.3	14,700	71.9	209.1	15,400	90
	100	64.9	207.6	11,600	67.0	206.8	12,200	69.1	204.6	12,800	100
	110	62.0	202.6	9,600	64.1	201.7	10,200	66.1	199.5	10,700	110
	120	59.1	196.8	8,000	61.2	196.0	8,500	63.1	193.6	9,000	120
	130	56.0	190.4	6,700	58.1	189.5	7,100	60.0	187.1	7,500	130
	140	52.8	183.2	5,500	54.9	182.2	5,900	56.8	179.7	6,300	140
	150	49.5	175.0	4,500	51.5	174.0	4,900	53.4	171.4	5,200	150
	160	46.0	165.8	3,700	48.0	164.8	4,000				160
	170				44.3	154.3	3,200				170
180	45	80.3	235.6	20,000*							45
	50	79.0	234.7	20,000*	81.1	233.9	20,000*				50
	55	77.8	233.6	20,000*	79.8	232.8	20,000*				55
	60	76.5	232.4	20,000*	78.6	231.7	20,000*	80.6	229.6	20,000*	60
	65	75.2	231.1	20,000*	77.3	230.4	20,000*	79.3	228.3	20,000*	65
	70	73.9	229.7	20,000*	76.0	229.0	20,000*	78.0	226.9	20,000*	70
	80	71.4	226.6	16,700	73.4	225.8	17,600	75.4	223.6	18,400	80
	90	68.7	222.9	13,600	70.8	222.1	14,400	72.8	219.9	15,100	90
	100	66.1	218.6	11,200	68.1	217.8	11,800	70.0	215.6	12,500	100
	110	63.3	213.8	9,200	65.4	213.0	9,800	67.3	210.7	10,400	110
	120	60.5	208.4	7,600	62.5	207.6	8,100	64.4	205.3	8,600	120
	130	57.6	202.4	6,300	59.6	201.5	6,700	61.5	199.1	7,200	130
	140	54.7	195.6	5,100	56.7	194.7	5,500	58.5	192.2	5,900	140
	150	51.6	188.0	4,100	53.5	187.1	4,500	55.3	184.5	4,800	150
	160	48.3	179.5	3,300	50.3	178.5	3,600	52.0	175.8	3,900	160

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. 8 WITH OPEN THROAT TOP
74,000 LB. COUNTERWEIGHT
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

3900

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	30	80.5	157.0	10,000*							30
	35	78.6	156.1	10,000*							35
	40	76.7	155.0	10,000*	80.5	154.4	10,000*				40
	45	74.7	153.7	10,000*	78.6	153.1	10,000*				45
	50	72.8	152.2	10,000*	76.6	151.6	10,000*	80.4	149.8	10,000*	50
	55	70.8	150.6	10,000*	74.6	150.0	10,000*	78.4	148.1	10,000*	55
	60	68.8	148.7	10,000*	72.6	148.1	10,000*	76.4	146.2	10,000*	60
	65	66.8	146.7	10,000*	70.6	146.0	10,000*	74.3	144.1	10,000*	65
	70	64.7	144.4	10,000*	68.5	143.8	10,000*	72.2	141.8	10,000*	70
	80	60.5	139.2	10,000*	64.2	138.5	10,000*	67.9	136.5	10,000*	80
	90	56.0	133.0	10,000*	59.8	132.3	10,000*	63.4	130.1	10,000*	90
	100	51.4	125.6	10,000*	55.1	124.8	10,000*	58.6	122.6	10,000*	100
	110	46.4	116.8	10,000*	50.1	116.0	10,000*	53.4	113.6	10,000*	110
	120	40.9	106.3	10,000*	44.5	105.4	10,000*				120
	130	34.8	93.4	9,700							130
100	30	81.1	167.1	10,000*							30
	35	79.3	166.3	10,000*							35
	40	77.5	165.2	10,000*							40
	45	75.7	164.0	10,000*	79.3	163.4	10,000*				45
	50	73.9	162.7	10,000*	77.5	162.0	10,000*	81.0	160.2	10,000*	50
	55	72.0	161.1	10,000*	75.6	160.5	10,000*	79.2	158.6	10,000*	55
	60	70.2	159.4	10,000*	73.7	158.8	10,000*	77.3	156.8	10,000*	60
	65	68.3	157.5	10,000*	71.8	156.8	10,000*	75.4	154.9	10,000*	65
	70	66.4	155.4	10,000*	69.9	154.7	10,000*	73.4	152.7	10,000*	70
	80	62.4	150.6	10,000*	66.0	149.9	10,000*	69.4	147.8	10,000*	80
	90	58.4	144.9	10,000*	61.9	144.2	10,000*	65.3	142.0	10,000*	90
	100	54.1	138.2	10,000*	57.6	137.4	10,000*	60.9	135.2	10,000*	100
	110	49.6	130.3	10,000*	53.1	129.5	10,000*	56.3	127.1	10,000*	110
	120	44.8	121.0	10,000*	48.3	120.2	10,000*	51.4	117.5	10,000*	120
	130	39.6	109.9	9,300	43.0	109.0	9,500				130
	140	33.6	96.4	8,100							140
110	35	79.9	176.4	10,000*							35
	40	78.2	175.5	10,000*							40
	45	76.5	174.3	10,000*	79.9	173.7	10,000*				45
	50	74.8	173.1	10,000*	78.2	172.4	10,000*				50
	55	73.1	171.6	10,000*	76.5	171.0	10,000*	79.8	169.0	10,000*	55
	60	71.4	170.0	10,000*	74.7	169.3	10,000*	78.1	167.4	10,000*	60
	65	69.6	168.2	10,000*	72.9	167.6	10,000*	76.3	165.5	10,000*	65
	70	67.8	166.3	10,000*	71.2	165.6	10,000*	74.5	163.6	10,000*	70
	80	64.2	161.8	10,000*	67.5	161.1	10,000*	70.7	159.0	10,000*	80
	90	60.4	156.5	10,000*	63.7	155.8	10,000*	66.9	153.6	10,000*	90
	100	56.5	150.3	10,000*	59.8	149.6	10,000*	62.9	147.3	10,000*	100
	110	52.4	143.2	10,000*	55.7	142.4	10,000*	58.8	140.0	10,000*	110
	120	48.1	134.8	10,000*	51.3	134.0	10,000*	54.3	131.4	10,000*	120
	130	43.4	125.0	8,900	46.7	124.1	9,200				130
	140	38.4	113.5	7,800	41.5	112.5	8,000				140
	150	32.6	99.4	6,800							150

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. 8 WITH OPEN THROAT TOP
74,000 LB. COUNTERWEIGHT
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

3900

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	
120	35	80.5	186.6	10,000*							35
	40	78.9	185.7	10,000*							40
	45	77.3	184.6	10,000*	80.5	184.0	10,000*				45
	50	75.7	183.4	10,000*	78.9	182.7	10,000*				50
	55	74.0	182.0	10,000*	77.2	181.4	10,000*	80.4	179.4	10,000*	55
	60	72.4	180.5	10,000*	75.6	179.9	10,000*	78.8	177.8	10,000*	60
	65	70.8	178.9	10,000*	73.9	178.2	10,000*	77.1	176.1	10,000*	65
	70	69.1	177.0	10,000*	72.3	176.3	10,000*	75.4	174.3	10,000*	70
	80	65.7	172.8	10,000*	68.8	172.1	10,000*	71.9	170.0	10,000*	80
	90	62.2	167.9	10,000*	65.3	167.2	10,000*	68.4	165.0	10,000*	90
	100	58.6	162.2	10,000*	61.7	161.5	10,000*	64.7	159.2	10,000*	100
	110	54.8	155.6	10,000*	57.9	154.8	10,000*	60.8	152.4	10,000*	110
	120	50.9	148.0	9,800	53.9	147.2	10,000*	56.8	144.7	10,000*	120
	130	46.7	139.2	8,500	49.7	138.3	8,800	52.5	135.6	9,100	130
	140	42.2	129.0	7,300	45.2	128.0	7,600				140
	150	37.3	116.9	6,400	40.2	115.8	6,600				150
	160	31.7	102.3	5,500							160
130	35	81.0	196.7	10,000*							35
	40	79.5	195.9	10,000*							40
	45	78.0	194.9	10,000*	81.0	194.2	10,000*				45
	50	76.4	193.7	10,000*	79.5	193.0	10,000*				50
	55	74.9	192.4	10,000*	77.9	191.7	10,000*	80.9	189.7	10,000*	55
	60	73.3	191.0	10,000*	76.4	190.3	10,000*	79.4	188.2	10,000*	60
	65	71.8	189.4	10,000*	74.8	188.7	10,000*	77.8	186.6	10,000*	65
	70	70.2	187.7	10,000*	73.2	187.0	10,000*	76.2	184.9	10,000*	70
	80	67.0	183.7	10,000*	70.0	183.0	10,000*	72.9	180.9	10,000*	80
	90	63.7	179.1	10,000*	66.7	178.4	10,000*	69.6	176.2	10,000*	90
	100	60.4	173.8	10,000*	63.3	173.1	10,000*	66.2	170.8	10,000*	100
	110	56.9	167.7	10,000*	59.8	166.9	10,000*	62.6	164.5	10,000*	110
	120	53.2	160.7	9,500	56.2	159.9	9,900	58.9	157.4	10,000*	120
	130	49.4	152.7	8,100	52.3	151.8	8,500	55.0	149.2	8,900	130
	140	45.4	143.4	7,000	48.3	142.5	7,300	50.8	139.7	7,600	140
	150	41.0	132.7	6,000	43.9	131.7	6,300				150
	160	36.2	120.2	5,200							160
	170	30.8	105.0	4,400							170
140	40	80.0	206.0	10,000*							40
	45	78.6	205.1	10,000*							45
	50	77.1	204.0	10,000*	80.0	203.3	10,000*				50
	55	75.7	202.8	10,000*	78.5	202.1	10,000*				55
	60	74.2	201.4	10,000*	77.1	200.7	10,000*	79.9	198.6	10,000*	60
	65	72.7	199.9	10,000*	75.6	199.2	10,000*	78.4	197.1	10,000*	65
	70	71.2	198.3	10,000*	74.1	197.6	10,000*	76.9	195.4	10,000*	70
	80	68.2	194.6	10,000*	71.1	193.9	10,000*	73.8	191.7	10,000*	80
	90	65.1	190.2	10,000*	68.0	189.5	10,000*	70.7	187.3	10,000*	90
	100	62.0	185.2	10,000*	64.8	184.5	10,000*	67.5	182.2	10,000*	100
	110	58.7	179.5	10,000*	61.5	178.7	10,000*	64.2	176.4	10,000*	110
	120	55.3	173.0	9,100	58.1	172.2	9,600	60.7	169.7	10,000*	120
	130	51.8	165.6	7,800	54.6	164.8	8,200	57.1	162.2	8,600	130
	140	48.1	157.2	6,600	50.9	156.3	7,000	53.4	153.5	7,300	140
	150	44.2	147.5	5,700	46.9	146.6	6,000				150
	160	39.9	136.4	4,800	42.6	135.4	5,100				160
	170	35.3	123.4	4,100							170

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. 8 WITH OPEN THROAT TOP
74,000 LB. COUNTERWEIGHT
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

3900

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	80.5	216.2	10,000*							40
	45	79.1	215.3	10,000*							45
	50	77.7	214.2	10,000*	80.5	213.5	10,000*				50
	55	76.3	213.1	10,000*	79.1	212.4	10,000*				55
	60	75.0	211.8	10,000*	77.7	211.1	10,000*	80.4	208.9	10,000*	60
	65	73.6	210.4	10,000*	76.3	209.7	10,000*	79.0	207.5	10,000*	65
	70	72.1	208.8	10,000*	74.9	208.1	10,000*	77.6	205.9	10,000*	70
	80	69.3	205.3	10,000*	72.0	204.6	10,000*	74.7	202.4	10,000*	80
	90	66.4	201.2	10,000*	69.1	200.5	10,000*	71.7	198.2	10,000*	90
	100	63.4	196.5	10,000*	66.1	195.7	10,000*	68.7	193.4	10,000*	100
	110	60.3	191.1	10,000*	63.0	190.4	10,000*	65.6	188.0	10,000*	110
	120	57.2	185.1	8,700	59.8	184.2	9,200	62.4	181.8	9,700	120
	130	53.9	178.2	7,400	56.6	177.3	7,800	59.0	174.8	8,200	130
	140	50.5	170.4	6,200	53.1	169.5	6,600	55.5	166.8	7,000	140
	150	46.9	161.6	5,300	49.5	160.6	5,600	51.8	157.8	5,900	150
	160	43.1	151.5	4,400	45.7	150.5	4,700				160
	170	38.9	140.0	3,700	41.5	138.9	3,900				170
	180	34.4	126.5	3,000							180
160	40	80.9	226.3	10,000*							40
	45	79.6	225.4	10,000*							45
	50	78.3	224.5	10,000*	80.9	223.8	10,000*				50
	55	77.0	223.4	10,000*	79.6	222.6	10,000*				55
	60	75.6	222.1	10,000*	78.3	221.4	10,000*	80.9	219.2	10,000*	60
	65	74.3	220.8	10,000*	76.9	220.1	10,000*	79.5	217.9	10,000*	65
	70	73.0	219.3	10,000*	75.6	218.6	10,000*	78.2	216.4	10,000*	70
	80	70.3	216.0	10,000*	72.9	215.2	10,000*	75.4	213.0	10,000*	80
	90	67.5	212.1	10,000*	70.1	211.3	10,000*	72.6	209.1	10,000*	90
	100	64.7	207.6	10,000*	67.3	206.9	10,000*	69.7	204.5	10,000*	100
	110	61.8	202.6	10,000*	64.4	201.8	10,000*	66.8	199.4	10,000*	110
	120	58.8	196.9	8,400	61.4	196.0	8,900	63.8	193.6	9,400	120
	130	55.8	190.4	7,000	58.3	189.6	7,500	60.7	187.0	8,000	130
	140	52.6	183.2	5,900	55.1	182.3	6,300	57.4	179.6	6,700	140
	150	49.3	175.0	4,900	51.8	174.1	5,300	54.0	171.3	5,600	150
	160	45.8	165.8	4,100	48.2	164.9	4,400	50.5	161.9	4,700	160
	170	42.0	155.4	3,300	44.5	154.4	3,600				170
170	45	80.1	235.6	10,000*							45
	50	78.8	234.7	10,000*							50
	55	77.5	233.6	10,000*	80.1	232.9	10,000*				55
	60	76.3	232.4	10,000*	78.8	231.7	10,000*				60
	65	75.0	231.2	10,000*	77.5	230.4	10,000*	80.0	228.2	10,000*	65
	70	73.7	229.8	10,000*	76.2	229.0	10,000*	78.7	226.8	10,000*	70
	80	71.1	226.6	10,000*	73.6	225.8	10,000*	76.1	223.6	10,000*	80
	90	68.5	222.9	10,000*	71.0	222.1	10,000*	73.4	219.8	10,000*	90
	100	65.8	218.7	10,000*	68.3	217.9	10,000*	70.7	215.5	10,000*	100
	110	63.1	213.9	9,600	65.6	213.1	10,000*	67.9	210.7	10,000*	110
	120	60.3	208.5	8,000	62.8	207.6	8,600	65.1	205.2	9,200	120
	130	57.4	202.4	6,700	59.9	201.6	7,200	62.1	199.0	7,700	130
	140	54.4	195.6	5,500	56.9	194.8	6,000	59.1	192.1	6,400	140
	150	51.3	188.0	4,600	53.8	187.1	5,000	56.0	184.4	5,300	150
	160	48.1	179.5	3,700	50.5	178.6	4,100	52.6	175.7	4,400	160
	170	44.7	170.0	3,000	47.1	169.0	3,300				170