

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 7779-A. CAPACITIES FOR VARIOUS BOOM LENGTHS, JIB LENGTHS AND JIB OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM AND JIB POINT SHEAVES, IS CONSIDERED PART OF THE JIB LOAD. BOOM AND JIB ARE NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH CRAWLERS FULLY EXTENDED AND GANTRY UP. REFER TO BOOM RIGGING NO. 176931, JIB ASSEMBLY NO. 176953, AND WIRE ROPE SPECIFICATION CHART NO. 7774-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. REFER TO OPERATORS MANUAL FOR OPERATING GUIDELINES.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE AND BOOM WITHIN THE BOOM ANGLE RANGE SHOWN IN CAPACITY CHART. REFER TO MAXIMUM ALLOWABLE TRAVEL SPECIFICATION CHART NO. 7772-A.

OPERATING RADIUS IS HORIZONTAL DISTANCE FROM AXIS OF ROTATION TO CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS 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 28'2" CRAWLERS, 48" TREADS, 10'3" RETRACTABLE GANTRY, 30' LIVE MAST, 20 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, AND 144,100 LB. COUNTERWEIGHT.

MAXIMUM CAPACITY ON 26 mm OR 1" WIRE ROPE IS 29,500 LBS. PER LINE.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED							
OVER FRONT OF BLOCKED CRAWLERS		OVER REAR OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS		OVER SIDE OF RETRACTED CRAWLERS	
BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123
(a) 280'	---	(a) 280'	---	250'	---	230'	---
270'	---	270'	---	240'	30'	220'	50'
260'	50'	260'	30'	230'	60'	210'	60'
250'	60'	250'	60'				
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 280' BOOM.							

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	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
110	30	80.2	147.5	40,000*							30
	35	78.1	146.5	40,000*	80.2	146.0	40,000*				35
	40	76.0	145.3	40,000*	78.1	144.8	40,000*	80.1	143.5	40,000*	40
	45	73.9	143.9	40,000*	76.0	143.4	40,000*	78.0	142.1	40,000*	45
	50	71.8	142.3	40,000*	73.8	141.8	40,000*	75.8	140.5	40,000*	50
	55	69.7	140.6	40,000*	71.7	140.1	40,000*	73.6	138.7	40,000*	55
	60	67.5	138.6	40,000*	69.5	138.1	40,000*	71.4	136.7	40,000*	60
	65	65.3	136.3	40,000*	67.3	135.8	40,000*	69.2	134.5	40,000*	65
	70	63.0	133.9	40,000*	65.0	133.3	40,000*	66.9	132.0	40,000*	70
	75	60.7	131.2	40,000*	62.7	130.6	40,000*	64.5	129.2	40,000*	75
	80	58.4	128.2	40,000*	60.3	127.6	40,000*	62.2	126.2	40,000*	80
	85	55.9	124.9	40,000*	57.9	124.3	40,000*	59.7	122.9	39,200*	85
	90	53.5	121.3	40,000*	55.4	120.7	40,000*	57.2	119.2	37,700*	90
	100	48.2	113.1	37,400	50.1	112.4	37,700	51.8	110.8	35,300*	100
	110	42.5	103.1	32,700	44.4	102.4	33,000	45.9	100.5	33,200	110
	120	36.0	90.7	28,900	37.9	89.9	29,100	39.3	87.8	29,300	120
	130	28.4	74.6	25,800	30.1	73.6	25,900				130
	140	17.9	50.8	23,000							140

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360 DEGREE RATING

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
120	30	80.8	157.6	40,000*							30
	35	78.9	156.7	40,000*	80.8	156.2	40,000*				35
	40	77.0	155.6	40,000*	78.9	155.1	40,000*	80.8	153.8	40,000*	40
	45	75.0	154.3	40,000*	76.9	153.8	40,000*	78.8	152.5	40,000*	45
	50	73.0	152.8	40,000*	74.9	152.3	40,000*	76.8	151.0	40,000*	50
	55	71.1	151.2	40,000*	72.9	150.7	40,000*	74.8	149.4	40,000*	55
	60	69.0	149.3	40,000*	70.9	148.8	40,000*	72.7	147.5	40,000*	60
	65	67.0	147.3	40,000*	68.9	146.8	40,000*	70.7	145.4	40,000*	65
	70	64.9	145.0	40,000*	66.8	144.5	40,000*	68.6	143.1	40,000*	70
	75	62.8	142.5	40,000*	64.7	142.0	40,000*	66.4	140.6	40,000*	75
	80	60.7	139.8	40,000*	62.5	139.3	40,000*	64.2	137.8	40,000*	80
	85	58.5	136.8	40,000*	60.3	136.3	40,000*	62.0	134.8	40,000*	85
	90	56.2	133.6	40,000*	58.0	133.0	40,000*	59.7	131.5	39,200*	90
	100	51.5	126.2	36,900	53.3	125.6	37,300	54.9	124.0	36,600*	100
	110	46.5	117.4	32,300	48.3	116.8	32,600	49.8	115.0	32,800	110
130	120	41.0	106.9	28,500	42.7	106.1	28,700	44.2	104.2	28,900	120
	130	34.8	93.9	25,300	36.5	93.0	25,500	37.8	90.8	25,600	130
	140	27.4	77.1	22,500	29.0	76.0	22,700				140
	150	17.3	52.3	20,200							150
130	35	79.6	166.9	40,000*							35
	40	77.8	165.8	40,000*	79.6	165.3	40,000*				40
	45	76.0	164.6	40,000*	77.8	164.1	40,000*	79.5	162.8	40,000*	45
	50	74.1	163.3	40,000*	75.9	162.8	40,000*	77.6	161.5	40,000*	50
	55	72.3	161.7	40,000*	74.0	161.2	40,000*	75.8	159.9	40,000*	55
	60	70.4	160.0	40,000*	72.2	159.5	40,000*	73.9	158.2	40,000*	60
	65	68.5	158.1	40,000*	70.3	157.6	40,000*	72.0	156.2	40,000*	65
	70	66.6	156.0	40,000*	68.3	155.5	40,000*	70.0	154.1	40,000*	70
	75	64.6	153.7	40,000*	66.4	153.2	40,000*	68.0	151.8	40,000*	75
	80	62.6	151.2	40,000*	64.4	150.7	40,000*	66.0	149.2	40,000*	80
	85	60.6	148.5	40,000*	62.4	147.9	40,000*	64.0	146.5	40,000*	85
	90	58.6	145.5	40,000*	60.3	144.9	40,000*	61.9	143.5	40,000*	90
	100	54.3	138.8	36,400	56.0	138.2	36,800	57.5	136.6	37,200	100
	110	49.8	130.9	31,800	51.5	130.3	32,100	52.9	128.6	32,400	110
	120	44.9	121.6	28,000	46.6	120.9	28,200	48.0	119.1	28,500	120
140	130	39.6	110.5	24,800	41.2	109.7	25,000	42.6	107.7	25,200	130
	140	33.6	96.9	22,100	35.2	96.0	22,200				140
	150	26.5	79.4	19,700	28.0	78.3	19,800				150
	160	16.7	53.8	17,600							160
140	35	80.2	177.0	40,000*							35
	40	78.5	176.1	40,000*	80.2	175.6	40,000*				40
	45	76.8	174.9	40,000*	78.5	174.4	40,000*	80.1	173.1	40,000*	45
	50	75.1	173.7	40,000*	76.8	173.2	40,000*	78.4	171.8	40,000*	50
	55	73.3	172.2	40,000*	75.0	171.7	40,000*	76.6	170.4	40,000*	55
	60	71.6	170.6	40,000*	73.3	170.1	40,000*	74.9	168.8	40,000*	60
	65	69.8	168.8	40,000*	71.5	168.3	40,000*	73.1	167.0	40,000*	65
	70	68.0	166.9	40,000*	69.7	166.4	40,000*	71.3	165.0	40,000*	70
	75	66.2	164.7	40,000*	67.9	164.2	40,000*	69.4	162.8	40,000*	75
	80	64.4	162.4	40,000*	66.0	161.9	40,000*	67.6	160.4	40,000*	80
	85	62.5	159.9	40,000*	64.1	159.3	40,000*	65.7	157.9	40,000*	85
	90	60.6	157.1	40,000*	62.2	156.6	40,000*	63.7	155.1	40,000*	90
	100	56.7	151.0	36,000	58.3	150.4	36,400	59.7	148.8	36,800	100
	110	52.6	143.8	31,400	54.2	143.2	31,700	55.6	141.6	32,000	110
	120	48.2	135.4	27,600	49.8	134.8	27,900	51.1	133.0	28,100	120
150	130	43.5	125.6	24,400	45.1	124.9	24,600	46.4	123.0	24,900	130
	140	38.4	114.0	21,700	39.9	113.2	21,900	41.1	111.1	22,100	140
	150	32.6	99.8	19,300	34.1	98.9	19,500				150
	160	25.7	81.7	17,300	27.1	80.6	17,400				160

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BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
150	35	80.8	187.2	40,000*							35
	40	79.2	186.3	40,000*	80.7	185.8	40,000*				40
	45	77.5	185.2	40,000*	79.1	184.7	40,000*	80.7	183.4	40,000*	45
	50	75.9	184.0	40,000*	77.5	183.5	40,000*	79.1	182.2	40,000*	50
	55	74.3	182.7	40,000*	75.9	182.1	40,000*	77.4	180.8	40,000*	55
	60	72.6	181.1	40,000*	74.2	180.6	40,000*	75.7	179.3	40,000*	60
	65	71.0	179.5	40,000*	72.5	179.0	40,000*	74.1	177.6	40,000*	65
	70	69.3	177.6	40,000*	70.9	177.1	40,000*	72.4	175.7	40,000*	70
	75	67.6	175.6	40,000*	69.2	175.1	40,000*	70.6	173.7	40,000*	75
	80	65.9	173.5	40,000*	67.4	172.9	40,000*	68.9	171.5	40,000*	80
	85	64.1	171.1	40,000*	65.7	170.6	40,000*	67.1	169.1	40,000*	85
	90	62.4	168.6	40,000*	63.9	168.0	40,000*	65.3	166.5	40,000*	90
	100	58.7	162.8	35,500	60.3	162.3	35,900	61.7	160.7	36,400	100
	110	54.9	156.2	30,800	56.5	155.6	31,200	57.8	154.0	31,600	110
	120	51.0	148.6	27,000	52.5	148.0	27,400	53.8	146.3	27,700	120
160	130	46.8	139.8	23,800	48.2	139.1	24,100	49.5	137.3	24,400	130
	140	42.2	129.5	21,100	43.7	128.8	21,400	44.9	126.8	21,600	140
	150	37.3	117.4	18,800	38.7	116.6	19,000	39.8	114.4	19,200	150
	160	31.7	102.7	16,800	33.0	101.8	16,900				160
	170	25.0	83.9	15,000							170
160	40	79.7	196.5	40,000*							40
	45	78.2	195.5	40,000*	79.7	194.9	40,000*				45
	50	76.7	194.3	40,000*	78.2	193.8	40,000*	79.6	192.5	40,000*	50
	55	75.1	193.0	40,000*	76.6	192.5	40,000*	78.1	191.2	40,000*	55
	60	73.6	191.6	40,000*	75.1	191.1	40,000*	76.5	189.7	40,000*	60
	65	72.0	190.0	40,000*	73.5	189.5	40,000*	74.9	188.1	40,000*	65
	70	70.4	188.3	40,000*	71.9	187.8	40,000*	73.3	186.4	40,000*	70
	75	68.8	186.4	40,000*	70.3	185.9	40,000*	71.7	184.5	40,000*	75
	80	67.2	184.4	40,000*	68.7	183.8	40,000*	70.1	182.4	40,000*	80
	85	65.6	182.2	40,000*	67.0	181.6	40,000*	68.4	180.2	40,000*	85
	90	63.9	179.8	40,000*	65.4	179.2	40,000*	66.8	177.8	40,000*	90
	100	60.5	174.5	35,000	62.0	173.9	35,500	63.3	172.4	36,000	100
	110	57.0	168.3	30,400	58.5	167.7	30,800	59.8	166.2	31,200	110
	120	53.4	161.3	26,600	54.8	160.7	26,900	56.1	159.1	27,300	120
	130	49.5	153.3	23,400	50.9	152.6	23,700	52.2	150.9	24,000	130
	140	45.5	144.0	20,700	46.8	143.3	21,000	48.0	141.5	21,200	140
170	150	41.1	133.3	18,400	42.4	132.6	18,600	43.5	130.5	18,800	150
	160	36.3	120.7	16,400	37.6	119.9	16,500	38.6	117.6	16,700	160
	170	30.8	105.5	14,600	32.1	104.5	14,700				170
	180	24.3	86.1	13,000							180
	40	80.2	206.6	40,000*	80.2	205.2	40,000*				40
	45	78.8	205.7	40,000*							45
	50	77.3	204.6	40,000*	78.8	204.1	40,000*	80.2	202.7	40,000*	50
	55	75.9	203.4	40,000*	77.3	202.9	40,000*	78.7	201.5	40,000*	55
	60	74.4	202.0	40,000*	75.8	201.5	40,000*	77.2	200.1	40,000*	60
	65	72.9	200.5	40,000*	74.3	200.0	40,000*	75.7	198.6	40,000*	65
	70	71.4	198.9	40,000*	72.8	198.4	40,000*	74.2	197.0	40,000*	70
	75	69.9	197.1	40,000*	71.3	196.6	40,000*	72.7	195.2	40,000*	75
	80	68.4	195.2	40,000*	69.8	194.7	40,000*	71.1	193.2	40,000*	80
	85	66.9	193.1	40,000*	68.3	192.6	40,000*	69.6	191.1	40,000*	85
	90	65.3	190.9	40,000*	66.7	190.3	40,000*	68.0	188.9	40,000*	90
	100	62.1	185.9	34,700	63.5	185.3	35,200	64.8	183.8	35,700	100
	110	58.9	180.2	30,100	60.2	179.6	30,500	61.5	178.0	30,900	110
	120	55.5	173.7	26,200	56.8	173.0	26,600	58.1	171.4	27,000	120
	130	51.9	166.2	23,100	53.3	165.6	23,400	54.5	163.9	23,700	130
	140	48.2	157.8	20,400	49.5	157.1	20,700	50.7	155.3	20,900	140
	150	44.2	148.1	18,100	45.6	147.4	18,300	46.7	145.5	18,500	150
	160	40.0	137.0	16,000	41.3	136.2	16,300	42.3	134.1	16,400	160
	170	35.3	123.9	14,300	36.6	123.0	14,400	37.5	120.7	14,600	170
	180	30.0	108.2	12,700	31.2	107.1	12,800				180
	190	23.7	88.2	11,300							190

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BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
180	40	80.7	216.8	40,000*	80.7	215.3	40,000*	80.7	213.0	40,000*	40
	45	79.3	215.9	40,000*	79.3	214.3	40,000*	79.3	211.8	40,000*	45
	50	77.9	214.8	40,000*	77.9	213.2	40,000*	77.8	210.5	40,000*	50
	55	76.6	213.7	40,000*	76.5	211.9	40,000*	76.4	209.1	40,000*	55
	60	75.2	212.4	40,000*	75.1	210.5	40,000*	75.0	207.5	40,000*	60
	65	73.8	211.0	40,000*	73.7	208.9	40,000*	73.6	205.8	40,000*	65
	70	72.3	209.4	40,000*	72.3	207.2	40,000*	72.1	204.0	40,000*	70
	75	70.9	207.8	40,000*	70.8	205.4	40,000*	70.6	202.0	40,000*	75
	80	69.5	205.9	40,000*	69.4	203.4	40,000*	69.1	199.8	40,000*	80
	85	68.0	204.0	40,000*	67.9	201.3	40,000*	66.1	195.1	35,300	85
	90	66.5	201.9	40,000*	64.9	196.6	34,800	63.0	189.7	30,500	90
	100	63.6	197.1	34,200	61.8	191.2	30,100	59.8	183.5	26,600	100
	110	60.5	191.8	29,600	58.6	185.1	26,200	56.5	176.5	23,300	110
	120	57.3	185.7	25,800	55.3	178.2	23,000	53.0	168.6	20,500	120
	130	54.0	178.8	22,600	51.9	170.4	20,200	49.3	159.6	18,100	130
	140	50.6	171.0	19,900	48.2	161.5	17,900	45.4	149.4	16,000	140
	150	47.0	162.2	17,600	44.4	151.4	15,800	41.2	137.6	14,200	150
	160	43.1	152.1	15,600	40.2	139.7	14,000				160
	170	39.0	140.6	13,800	35.6	126.1	12,400				170
	180	34.4	127.0	12,300	30.4	109.7	11,000				180
	190	29.3	110.8	10,800							190
	200	23.1	90.2	9,600							200
190	45	79.8	226.0	40,000*	79.8	224.5	40,000*	79.8	222.1	40,000*	45
	50	78.5	225.1	40,000*	78.5	223.4	40,000*	78.4	220.8	40,000*	50
	55	77.2	224.0	40,000*	77.1	222.2	40,000*	77.1	219.5	40,000*	55
	60	75.8	222.7	40,000*	75.8	220.9	40,000*	75.7	218.0	40,000*	60
	65	74.5	221.4	40,000*	74.5	219.4	40,000*	74.3	216.4	40,000*	65
	70	73.2	219.9	40,000*	73.1	217.8	40,000*	73.0	214.6	40,000*	70
	75	71.8	218.3	40,000*	71.7	216.1	40,000*	71.6	212.7	40,000*	75
	80	70.4	216.6	40,000*	70.3	214.2	40,000*	70.2	210.7	40,000*	80
	85	69.1	214.7	40,000*	68.9	212.2	40,000*	67.3	206.2	34,900	85
	90	67.7	212.7	39,600	66.1	207.7	34,300	64.4	201.1	30,100	90
	100	64.8	208.3	33,700	63.2	202.6	29,600	61.4	195.3	26,100	100
	110	61.9	203.2	29,100	60.2	196.9	25,700	58.2	188.8	22,900	110
	120	59.0	197.5	25,300	57.1	190.4	22,500	55.0	181.5	20,100	120
	130	55.9	191.1	22,100	53.9	183.2	19,700	51.6	173.2	17,700	130
	140	52.7	183.8	19,400	50.6	175.0	17,400	48.0	163.8	15,600	140
	150	49.3	175.7	17,100	47.0	165.7	15,300	44.2	153.2	13,700	150
	160	45.8	166.4	15,000	43.3	155.2	13,500	40.1	141.0	12,100	160
	170	42.1	156.0	13,300	39.2	143.2	11,900				170
	180	38.1	144.0	11,700	34.8	129.1	10,500				180
	190	33.6	130.1	10,300	29.7	112.3	9,200				190
	200	28.6	113.3	9,000							200
	210	22.5	92.2	7,900							210
200	45	80.3	236.2	40,000*	80.3	234.7	40,000*	80.2	232.3	40,000*	45
	50	79.0	235.3	40,000*	79.0	233.7	40,000*	78.9	231.1	40,000*	50
	55	77.7	234.2	40,000*	77.7	232.5	40,000*	77.6	229.8	40,000*	55
	60	76.5	233.0	40,000*	76.4	231.2	40,000*	76.3	228.4	40,000*	60
	65	75.2	231.8	40,000*	75.1	229.8	40,000*	75.0	226.9	40,000*	65
	70	73.9	230.4	40,000*	73.9	228.3	40,000*	73.7	225.2	40,000*	70
	75	72.6	228.8	40,000*	72.5	226.6	40,000*	72.4	223.4	40,000*	75
	80	71.3	227.2	40,000*	71.2	224.9	40,000*	71.1	221.5	40,000*	80
	85	70.0	225.4	40,000*	69.9	223.0	39,800	68.4	217.2	34,500	85
	90	68.7	223.5	39,100	67.2	218.7	33,900	65.6	212.4	29,700	90
	100	66.0	219.3	33,300	64.5	213.9	29,200	62.7	207.0	25,700	100
	110	63.2	214.5	28,600	61.6	208.5	25,300	59.8	200.8	22,400	110
	120	60.4	209.1	24,800	58.7	202.4	22,000	56.8	194.0	19,600	120
	130	57.5	203.0	21,600	55.7	195.6	19,300	53.6	186.3	17,200	130
	140	54.6	196.3	18,900	52.6	188.0	16,900	50.4	177.6	15,100	140
	150	51.4	188.7	16,600	49.4	179.5	14,900	46.9	167.9	13,300	150
	160	48.2	180.2	14,600	45.9	169.9	13,100	43.2	156.9	11,700	160
	170	44.8	170.6	12,800	42.3	159.0	11,500	39.1	144.3	10,200	170
	180	41.1	159.8	11,300	38.3	146.6	10,000				180
	190	37.2	147.4	9,900	33.9	132.1	8,800				190
	200	32.9	133.0	8,600	29.0	114.7	7,600				200
	210	27.9	115.8	7,500							210
	220	22.0	94.2	6,400							220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
210	45	80.7	246.3	40,000*	80.7	244.9	40,000*	80.6	242.5	40,000*	45
	50	79.5	245.4	40,000*	79.5	243.9	40,000*	79.4	241.4	40,000*	50
	55	78.3	244.4	40,000*	78.2	242.8	40,000*	78.2	240.2	40,000*	55
	60	77.0	243.3	40,000*	77.0	241.6	40,000*	76.9	238.8	40,000*	60
	65	75.8	242.1	40,000*	75.8	240.2	40,000*	75.7	237.3	40,000*	65
	70	74.6	240.8	40,000*	74.5	238.8	40,000*	74.4	235.8	40,000*	70
	75	73.4	239.3	40,000*	73.3	237.2	40,000*	73.2	234.1	40,000*	75
	80	72.1	237.7	40,000*	72.0	235.5	40,000*	71.9	232.2	40,000*	80
	85	70.9	236.0	40,000*	70.8	233.7	39,500	70.8	232.2	40,000*	85
	90	69.6	234.2	38,700	68.2	229.6	33,500	68.2	228.2	34,200	90
	100	67.0	230.2	32,900	65.6	225.1	28,800	65.6	223.6	29,300	100
	110	64.4	225.7	28,200	62.9	220.0	24,900	62.9	218.4	25,400	110
	120	61.8	220.5	24,400	60.2	214.2	21,700	60.2	212.6	22,100	120
	130	59.0	214.8	21,200	57.4	207.8	18,900	57.4	206.2	19,300	130
	140	56.2	208.4	18,500	54.4	200.7	16,500	54.4	199.0	16,900	140
	150	53.3	201.3	16,200	51.4	192.7	14,500	51.4	190.9	14,800	150
	160	50.3	193.4	14,200	48.2	183.8	12,700	48.2	182.0	12,900	160
	170	47.1	184.6	12,400	44.9	173.9	11,100	44.9	171.9	11,300	170
	180	43.8	174.6	10,800	41.3	162.7	9,700	41.3	160.5	9,800	180
	190	40.2	163.5	9,400	37.4	149.8	8,400	37.4	147.5	8,500	190
220	200	36.4	150.7	8,200	33.2	134.9	7,200	33.2	134.9	7,200	200
	210	32.2	135.9	7,000	28.3	117.1	6,100				210
	220	27.3	118.3	6,000							220
	230	21.6	96.1	5,000							230
220	50	79.9	255.6	40,000*	79.9	254.1	40,000*	81.0	252.7	40,000*	50
	55	78.7	254.7	40,000*	78.7	253.1	40,000*	79.8	251.7	40,000*	55
	60	77.6	253.6	40,000*	77.5	251.9	40,000*	78.7	250.5	40,000*	60
	65	76.4	252.4	40,000*	76.4	250.6	40,000*	77.5	249.2	40,000*	65
	70	75.2	251.1	40,000*	75.2	249.2	40,000*	76.3	247.8	40,000*	70
	75	74.0	249.7	40,000*	74.0	247.7	40,000*	75.1	246.3	40,000*	75
	80	72.8	248.2	40,000*	72.8	246.1	40,000*	73.9	244.6	40,000*	80
	85	71.7	246.6	40,000*	71.6	244.3	39,000	72.7	242.9	39,800	85
	90	70.4	244.9	38,200	69.1	240.5	33,100	70.2	239.0	33,700	90
	100	68.0	241.0	32,400	66.6	236.1	28,300	67.7	234.6	28,900	100
	110	65.5	236.7	27,700	64.1	231.3	24,500	65.1	229.7	25,000	110
	120	63.0	231.9	23,900	61.5	225.8	21,200	62.5	224.2	21,700	120
	130	60.4	226.4	20,700	58.8	219.8	18,500	59.8	218.2	18,900	130
	140	57.7	220.4	18,000	56.1	213.1	16,100	57.1	211.4	16,400	140
	150	55.0	213.7	15,700	53.2	205.6	14,100	54.2	203.9	14,400	150
	160	52.2	206.3	13,700	50.3	197.3	12,300	51.2	195.5	12,500	160
	170	49.2	198.0	11,900	47.2	188.1	10,700	48.1	186.2	10,900	170
	180	46.1	188.8	10,400	43.9	177.8	9,200	44.8	175.8	9,400	180
	190	42.9	178.6	9,000	40.4	166.2	8,000	41.2	164.1	8,100	190
	200	39.4	167.1	7,700	36.6	153.0	6,800	37.4	150.7	6,900	200
230	210	35.6	153.9	6,600	32.5	137.8	5,700				210
	220	31.5	138.8	5,600							220
	230	26.8	120.7	4,600							230
230	50	80.3	265.8	40,000*	80.3	264.3	40,000*	80.2	261.9	40,000*	50
	55	79.2	264.9	40,000*	79.2	263.3	40,000*	79.1	260.8	40,000*	55
	60	78.0	263.8	40,000*	78.0	262.2	40,000*	78.0	259.5	40,000*	60
	65	76.9	262.7	40,000*	76.9	260.9	40,000*	76.8	258.2	40,000*	65
	70	75.8	261.5	40,000*	75.8	259.6	40,000*	75.7	256.7	40,000*	70
	75	74.7	260.1	40,000*	74.6	258.1	40,000*	74.5	255.1	40,000*	75
	80	73.5	258.7	40,000*	73.5	256.6	40,000*	73.4	253.5	39,400	80
	85	72.4	257.1	40,000*	72.3	254.9	38,600	71.0	249.8	33,300	85
	90	71.2	255.5	37,800	70.0	251.3	32,600	68.6	245.6	28,500	90
	100	68.9	251.8	31,900	67.6	247.1	27,900	66.2	240.9	24,500	100
	110	66.5	247.7	27,200	65.2	242.5	24,000	63.7	235.7	21,200	110
	120	64.1	243.0	23,400	62.7	237.3	20,700	61.1	229.9	18,400	120
	130	61.6	237.9	20,200	60.2	231.5	18,000	58.5	223.5	16,000	130
	140	59.1	232.1	17,500	57.6	225.2	15,600	55.8	216.5	13,900	140
	150	56.5	225.8	15,200	54.9	218.2	13,500	53.0	208.6	12,000	150
	160	53.8	218.8	13,200	52.1	210.4	11,700	50.1	200.0	10,400	160
	170	51.1	211.1	11,400	49.2	201.8	10,100	47.0	190.3	8,900	170
	180	48.2	202.5	9,800	46.2	192.3	8,700	43.8	179.6	7,600	180
	190	45.2	193.0	8,500	43.0	181.7	7,400	40.3	167.5	6,400	190
	200	42.0	182.5	7,200	39.6	169.7	6,300				200
	210	38.6	170.6	6,100	35.9	156.2	5,200				210
	220	34.9	157.1	5,000							220
	230	30.9	141.5	4,100							230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
240	50	80.6	275.9	40,000*							50
	55	79.6	275.0	40,000*	80.6	274.5	40,000*				55
	60	78.5	274.0	40,000*	79.6	273.5	40,000*	80.6	272.1	40,000*	60
	65	77.4	273.0	40,000*	78.5	272.4	40,000*	79.5	271.0	40,000*	65
	70	76.3	271.8	40,000*	77.4	271.2	40,000*	78.4	269.8	40,000*	70
	75	75.2	270.5	40,000*	76.3	270.0	40,000*	77.3	268.5	40,000*	75
	80	74.1	269.1	40,000*	75.2	268.6	40,000*	76.2	267.1	40,000*	80
	85	73.0	267.6	40,000*	74.1	267.1	40,000*	75.1	265.6	40,000*	85
	90	71.9	266.0	37,300	73.0	265.5	38,100	74.0	264.0	39,000	90
	100	69.7	262.5	31,400	70.7	262.0	32,200	71.7	260.5	32,900	100
	110	67.4	258.6	26,800	68.5	258.0	27,400	69.5	256.5	28,000	110
	120	65.1	254.1	22,900	66.2	253.5	23,500	67.1	252.0	24,100	120
	130	62.8	249.2	19,700	63.8	248.6	20,300	64.8	247.1	20,700	130
	140	60.4	243.7	17,000	61.4	243.1	17,500	62.3	241.5	17,900	140
	150	57.9	237.7	14,700	58.9	237.1	15,100	59.8	235.5	15,500	150
	160	55.4	231.1	12,700	56.4	230.5	13,100	57.3	228.8	13,400	160
	170	52.8	223.8	10,900	53.8	223.1	11,300	54.6	221.4	11,600	170
	180	50.1	215.8	9,400	51.1	215.1	9,700	51.9	213.3	9,900	180
	190	47.2	206.9	8,000	48.2	206.2	8,200	49.1	204.3	8,500	190
	200	44.3	197.1	6,700	45.3	196.4	7,000	46.1	194.4	7,200	200
	210	41.2	186.2	5,600	42.1	185.4	5,800	42.9	183.3	6,000	210
	220	37.8	174.0	4,600	38.8	173.2	4,800	39.5	170.9	4,900	220
250	50	81.0	286.1	40,000*							50
	55	79.9	285.2	40,000*	81.0	284.7	40,000*				55
	60	78.9	284.3	40,000*	79.9	283.7	40,000*	80.9	282.3	40,000*	60
	65	77.9	283.2	40,000*	78.9	282.7	40,000*	79.9	281.2	40,000*	65
	70	76.8	282.1	40,000*	77.8	281.5	40,000*	78.8	280.1	40,000*	70
	75	75.8	280.8	40,000*	76.8	280.3	40,000*	77.8	278.9	40,000*	75
	80	74.7	279.5	40,000*	75.7	279.0	40,000*	76.7	277.5	40,000*	80
	85	73.7	278.1	40,000*	74.7	277.5	40,000*	75.7	276.1	40,000*	85
	90	72.6	276.5	37,000	73.6	276.0	37,900	74.6	274.5	38,700	90
	100	70.5	273.2	31,100	71.5	272.6	31,900	72.4	271.1	32,600	100
	110	68.3	269.4	26,400	69.3	268.8	27,100	70.2	267.3	27,800	110
	120	66.1	265.1	22,600	67.1	264.5	23,200	68.0	263.0	23,800	120
	130	63.8	260.4	19,400	64.8	259.8	19,900	65.7	258.3	20,500	130
	140	61.5	255.2	16,700	62.5	254.6	17,200	63.4	253.0	17,600	140
	150	59.2	249.5	14,400	60.2	248.9	14,800	61.1	247.2	15,200	150
	160	56.8	243.2	12,400	57.8	242.5	12,800	58.6	240.9	13,100	160
	170	54.3	236.3	10,600	55.3	235.6	10,900	56.1	233.9	11,300	170
	180	51.7	228.7	9,000	52.7	228.0	9,400	53.6	226.2	9,600	180
	190	49.1	220.4	7,600	50.1	219.7	7,900	50.9	217.8	8,200	190
	200	46.3	211.2	6,400	47.3	210.5	6,600	48.1	208.6	6,900	200
	210	43.5	201.1	5,300	44.4	200.4	5,500	45.1	198.3	5,700	210
	220	40.4	189.9	4,200	41.3	189.1	4,400	42.0	187.0	4,600	220
260	55	80.3	295.4	40,000*							55
	60	79.3	294.4	40,000*	80.3	293.9	40,000*				60
	65	78.3	293.4	40,000*	79.3	292.9	40,000*	80.3	291.5	40,000*	65
	70	77.3	292.3	40,000*	78.3	291.8	40,000*	79.2	290.4	40,000*	70
	75	76.3	291.1	40,000*	77.3	290.6	40,000*	78.2	289.2	40,000*	75
	80	75.3	289.9	40,000*	76.2	289.3	40,000*	77.2	287.9	40,000*	80
	85	74.2	288.5	40,000*	75.2	287.9	40,000*	76.2	286.5	40,000*	85
	90	73.2	287.0	36,500	74.2	286.5	37,400	75.1	285.0	38,300	90
	100	71.2	283.8	30,600	72.1	283.2	31,400	73.1	281.7	32,200	100
	110	69.1	280.1	26,000	70.0	279.5	26,700	71.0	278.1	27,300	110
	120	66.9	276.0	22,100	67.9	275.5	22,800	68.8	273.9	23,400	120
	130	64.8	271.5	18,900	65.7	270.9	19,500	66.6	269.4	20,000	130
	140	62.6	266.5	16,200	63.5	265.9	16,700	64.4	264.4	17,200	140
	150	60.3	261.1	13,900	61.3	260.5	14,300	62.2	258.9	14,800	150
	160	58.1	255.1	11,900	59.0	254.4	12,300	59.9	252.8	12,700	160
	170	55.7	248.5	10,100	56.6	247.9	10,500	57.5	246.2	10,800	170
	180	53.3	241.3	8,500	54.2	240.7	8,900	55.0	238.9	9,200	180
	190	50.8	233.5	7,100	51.7	232.8	7,500	52.5	231.0	7,700	190
	200	48.2	224.9	5,900	49.1	224.2	6,200	49.9	222.3	6,400	200
	210	45.5	215.5	4,800	46.4	214.7	5,000	47.2	212.7	5,200	210
	220				43.6	204.3	4,000	44.3	202.2	4,200	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
110	35	79.1	156.7	30,000*							35
	40	77.2	155.6	30,000*	79.8	154.9	30,000*				40
	45	75.3	154.3	30,000*	77.8	153.6	30,000*	80.3	152.0	30,000*	45
	50	73.3	152.8	30,000*	75.8	152.2	30,000*	78.3	150.5	30,000*	50
	55	71.3	151.2	30,000*	73.8	150.5	30,000*	76.3	148.8	30,000*	55
	60	69.3	149.3	30,000*	71.8	148.7	30,000*	74.2	147.0	30,000*	60
	65	67.2	147.3	30,000*	69.7	146.6	30,000*	72.2	144.9	30,000*	65
	70	65.2	145.0	30,000*	67.7	144.3	30,000*	70.0	142.6	30,000*	70
	75	63.1	142.5	30,000*	65.5	141.8	30,000*	67.9	140.1	30,000*	75
	80	60.9	139.8	30,000*	63.4	139.1	30,000*	65.7	137.3	30,000*	80
	85	58.7	136.8	30,000*	61.2	136.1	30,000*	63.5	134.2	29,800*	85
	90	56.4	133.6	30,000*	58.9	132.8	30,000*	61.2	130.9	28,700*	90
	100	51.7	126.2	30,000*	54.2	125.4	30,000*	56.3	123.4	26,700*	100
	110	46.7	117.4	30,000*	49.1	116.5	29,500*	51.2	114.3	25,100*	110
	120	41.2	106.8	29,200	43.5	105.9	27,400*	45.5	103.4	23,800*	120
140	130	35.0	93.8	26,000	37.3	92.7	25,600*	39.0	89.9	22,700*	130
	140	27.6	77.0	23,300	29.7	75.6	23,500				140
	150	17.5	52.3	21,000							150
120	35	79.8	166.9	30,000*							35
	40	78.0	165.8	30,000*	80.4	165.2	30,000*				40
	45	76.2	164.6	30,000*	78.6	164.0	30,000*	80.9	162.3	30,000*	45
	50	74.4	163.3	30,000*	76.7	162.6	30,000*	79.1	160.9	30,000*	50
	55	72.5	161.7	30,000*	74.9	161.1	30,000*	77.2	159.4	30,000*	55
	60	70.6	160.0	30,000*	73.0	159.3	30,000*	75.3	157.6	30,000*	60
	65	68.7	158.1	30,000*	71.1	157.4	30,000*	73.3	155.7	30,000*	65
	70	66.8	156.0	30,000*	69.1	155.3	30,000*	71.4	153.6	30,000*	70
	75	64.8	153.7	30,000*	67.2	153.0	30,000*	69.4	151.2	30,000*	75
	80	62.9	151.2	30,000*	65.2	150.5	30,000*	67.4	148.7	30,000*	80
	85	60.8	148.5	30,000*	63.2	147.7	30,000*	65.3	145.9	30,000*	85
	90	58.8	145.5	30,000*	61.1	144.8	30,000*	63.2	142.9	29,600*	90
	100	54.5	138.8	30,000*	56.8	138.0	30,000*	58.9	136.0	27,700*	100
	110	50.0	130.9	30,000*	52.2	130.1	30,000*	54.2	127.9	26,000*	110
	120	45.1	121.6	28,700	47.4	120.7	28,800*	49.3	118.4	24,600*	120
140	130	39.8	110.5	25,500	42.0	109.5	25,800	43.8	106.9	23,500*	130
	140	33.9	96.9	22,800	36.0	95.7	23,100	37.6	92.7	22,500*	140
	150	26.7	79.4	20,500	28.7	77.9	20,700				150
130	35	80.4	177.0	30,000*							35
	40	78.7	176.1	30,000*	81.0	175.4	30,000*				40
	45	77.0	174.9	30,000*	79.3	174.3	30,000*				45
	50	75.3	173.7	30,000*	77.5	173.0	30,000*	79.7	171.3	30,000*	50
	55	73.5	172.2	30,000*	75.8	171.5	30,000*	78.0	169.8	30,000*	55
	60	71.8	170.6	30,000*	74.0	169.9	30,000*	76.2	168.2	30,000*	60
	65	70.0	168.8	30,000*	72.2	168.1	30,000*	74.4	166.4	30,000*	65
	70	68.2	166.9	30,000*	70.4	166.2	30,000*	72.6	164.4	30,000*	70
	75	66.4	164.7	30,000*	68.6	164.0	30,000*	70.7	162.2	30,000*	75
	80	64.6	162.4	30,000*	66.8	161.7	30,000*	68.8	159.9	30,000*	80
	85	62.7	159.9	30,000*	64.9	159.1	30,000*	66.9	157.3	30,000*	85
	90	60.8	157.1	30,000*	63.0	156.4	30,000*	65.0	154.5	30,000*	90
	100	56.9	151.0	30,000*	59.0	150.2	30,000*	61.0	148.2	28,600*	100
	110	52.8	143.8	30,000*	54.9	143.0	30,000*	56.8	140.9	26,900*	110
	120	48.4	135.4	28,200	50.5	134.5	28,600	52.4	132.3	25,400*	120
150	130	43.7	125.6	25,000	45.8	124.7	25,400	47.6	122.3	24,200*	130
	140	38.6	114.0	22,300	40.6	112.9	22,600	42.3	110.2	22,800	140
	150	32.8	99.8	20,000	34.8	98.6	20,200				150
	160	25.9	81.7	18,000	27.7	80.2	18,100				160

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
140	35	81.0	187.2	30,000*							35
	40	79.3	186.3	30,000*							40
	45	77.7	185.2	30,000*	79.9	184.5	30,000*				45
	50	76.1	184.0	30,000*				80.3	181.6	30,000*	50
	55	74.5	182.6	30,000*	76.6	182.0	30,000*	78.7	180.2	30,000*	55
	60	72.8	181.1	30,000*	74.9	180.4	30,000*	77.0	178.7	30,000*	60
	65	71.2	179.5	30,000*	73.3	178.8	30,000*	75.3	177.0	30,000*	65
	70	69.5	177.6	30,000*	71.6	176.9	30,000*	73.6	175.1	30,000*	70
	75	67.8	175.6	30,000*	69.9	174.9	30,000*	71.9	173.1	30,000*	75
	80	66.1	173.5	30,000*	68.1	172.7	30,000*	70.1	170.9	30,000*	80
	85	64.3	171.1	30,000*	66.4	170.4	30,000*	68.4	168.5	30,000*	85
	90	62.6	168.5	30,000*	64.6	167.8	30,000*	66.6	165.9	30,000*	90
	100	58.9	162.8	30,000*	61.0	162.1	30,000*	62.9	160.1	29,500*	100
	110	55.1	156.2	30,000*	57.2	155.4	30,000*	59.0	153.4	27,700*	110
	120	51.2	148.6	27,800	53.2	147.8	28,200	55.0	145.6	26,200*	120
150	130	47.0	139.8	24,600	48.9	138.9	25,000	50.6	136.6	25,000*	130
	140	42.4	129.5	21,900	44.4	128.5	22,200	46.0	126.0	22,500	140
	150	37.5	117.4	19,600	39.4	116.3	19,900	40.9	113.5	20,100	150
	160	31.9	102.7	17,600	33.7	101.4	17,800				160
	170	25.1	83.9	15,800							170
	40	79.9	196.4	30,000*							40
	45	78.4	195.4	30,000*	80.4	194.8	30,000*				45
	50	76.9	194.3	30,000*				80.8	191.9	30,000*	50
160	55	75.3	193.0	30,000*	77.3	192.3	30,000*	79.3	190.6	30,000*	55
	60	73.8	191.6	30,000*	75.8	190.9	30,000*	77.7	189.1	30,000*	60
	65	72.2	190.0	30,000*	74.2	189.3	30,000*	76.1	187.5	30,000*	65
	70	70.6	188.3	30,000*	72.6	187.6	30,000*	74.5	185.8	30,000*	70
	75	69.0	186.4	30,000*	71.0	185.7	30,000*	72.9	183.9	30,000*	75
	80	67.4	184.4	30,000*	69.4	183.6	30,000*	71.3	181.8	30,000*	80
	85	65.8	182.2	30,000*	67.7	181.4	30,000*	69.6	179.6	30,000*	85
	90	64.1	179.8	30,000*	66.1	179.0	30,000*	67.9	177.1	30,000*	90
	100	60.7	174.5	30,000*	62.7	173.7	30,000*	64.5	171.7	30,000*	100
	110	57.2	168.3	30,000*	59.1	167.5	30,000*	60.9	165.5	28,500*	110
	120	53.6	161.3	27,300	55.5	160.5	27,700	57.2	158.3	27,000*	120
	130	49.7	153.3	24,100	51.6	152.4	24,500	53.3	150.1	24,900	130
	140	45.6	144.0	21,400	47.5	143.1	21,700	49.1	140.7	22,000	140
	150	41.3	133.3	19,100	43.1	132.3	19,400	44.6	129.7	19,600	150
	160	36.4	120.7	17,000	38.2	119.5	17,300	39.6	116.6	17,500	160
	170	31.0	105.4	15,300	32.7	104.1	15,500				170
	180	24.5	86.1	13,700							180
160	40	80.4	206.6	30,000*							40
	45	79.0	205.7	30,000*	80.9	205.0	30,000*				45
	50	77.5	204.6	30,000*	79.4	203.9	30,000*				50
	55	76.1	203.4	30,000*				79.8	200.9	30,000*	55
	60	74.6	202.0	30,000*	76.5	201.3	30,000*	78.3	199.5	30,000*	60
	65	73.1	200.5	30,000*	75.0	199.8	30,000*	76.8	198.0	30,000*	65
	70	71.6	198.9	30,000*	73.5	198.2	30,000*	75.3	196.4	30,000*	70
	75	70.1	197.1	30,000*	72.0	196.4	30,000*	73.8	194.6	30,000*	75
	80	68.6	195.2	30,000*	70.5	194.5	30,000*	72.3	192.6	30,000*	80
	85	67.0	193.1	30,000*	68.9	192.4	30,000*	70.7	190.5	30,000*	85
	90	65.5	190.9	30,000*	67.3	190.1	30,000*	69.1	188.2	30,000*	90
	100	62.3	185.9	30,000*	64.2	185.1	30,000*	65.9	183.2	30,000*	100
	110	59.0	180.2	30,000*	60.9	179.4	30,000*	62.6	177.4	29,300*	110
	120	55.6	173.6	26,800	57.5	172.8	27,300	59.1	170.7	27,800*	120
	130	52.1	166.2	23,600	53.9	165.4	24,100	55.5	163.2	24,500	130
	140	48.4	157.8	20,900	50.2	156.9	21,300	51.7	154.5	21,700	140
	150	44.4	148.1	18,600	46.2	147.1	19,000	47.7	144.7	19,200	150
	160	40.2	137.0	16,600	41.9	135.9	16,900	43.3	133.2	17,100	160
	170	35.5	123.9	14,800	37.2	122.7	15,100	38.4	119.7	15,200	170
	180	30.2	108.1	13,200	31.8	106.8	13,400				180
	190	23.8	88.2	11,800							190

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JIB NO. 123 WITH 12'6" STRUT ON
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BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
170	40	80.9	216.7	30,000*							40
	45	79.5	215.8	30,000*							45
	50	78.1	214.8	30,000*	79.9	214.1	30,000*	80.3	211.2	30,000*	50
	55	76.7	213.7	30,000*	78.5	213.0	30,000*	78.9	209.9	30,000*	55
	60	75.3	212.4	30,000*	77.1	211.7	30,000*	77.5	208.5	30,000*	60
	65	73.9	211.0	30,000*	75.7	210.3	30,000*	76.1	206.9	30,000*	65
	70	72.5	209.4	30,000*	74.3	208.7	30,000*	74.6	205.2	30,000*	70
	75	71.1	207.7	30,000*	72.9	207.0	30,000*	73.1	203.3	30,000*	75
	80	69.6	205.9	30,000*	71.4	205.2	30,000*	71.7	201.3	30,000*	80
	85	68.2	204.0	30,000*	70.0	203.2	30,000*	70.2	199.2	30,000*	85
	90	66.7	201.8	30,000*	68.5	201.1	30,000*	67.1	194.4	30,000*	90
	100	63.7	197.1	30,000*	65.5	196.4	30,000*	64.0	189.0	30,000*	100
	110	60.6	191.8	30,000*	62.4	191.0	30,000*	60.8	182.8	27,500	110
	120	57.5	185.7	26,500	59.2	184.9	27,000	57.5	175.8	24,200	120
	130	54.2	178.8	23,300	55.9	177.9	23,800	54.0	167.8	21,400	130
	140	50.8	171.0	20,600	52.5	170.1	21,000	50.3	158.8	19,000	140
	150	47.1	162.2	18,300	48.8	161.2	18,600	46.3	148.5	16,800	150
	160	43.3	152.1	16,300	45.0	151.1	16,600	42.1	136.6	15,000	160
	170	39.2	140.5	14,500	40.8	139.4	14,800	37.4	122.7	13,300	170
	180	34.6	127.0	12,900	36.2	125.8	13,100				180
	190	29.4	110.8	11,500	31.0	109.3	11,700				190
	200	23.2	90.2	10,200							200
180	45	80.0	226.0	30,000*							45
	50	78.7	225.0	30,000*	80.4	224.3	30,000*	80.8	221.4	30,000*	50
	55	77.3	223.9	30,000*	79.1	223.2	30,000*	79.4	220.2	30,000*	55
	60	76.0	222.7	30,000*	77.7	222.0	30,000*	78.1	218.8	30,000*	60
	65	74.7	221.4	30,000*	76.4	220.7	30,000*	76.7	217.4	30,000*	65
	70	73.3	219.9	30,000*	75.0	219.2	30,000*	75.3	215.7	30,000*	70
	75	72.0	218.3	30,000*	73.7	217.6	30,000*	74.0	214.0	30,000*	75
	80	70.6	216.6	30,000*	72.3	215.8	30,000*	72.6	212.1	30,000*	80
	85	69.2	214.7	30,000*	70.9	214.0	30,000*	71.1	210.1	30,000*	85
	90	67.8	212.7	30,000*	69.5	212.0	30,000*	68.3	205.6	30,000*	90
	100	65.0	208.3	30,000*	66.7	207.5	30,000*	65.3	200.4	30,000*	100
	110	62.1	203.2	29,900	63.8	202.4	30,000*	62.3	194.6	27,100	110
	120	59.1	197.5	26,000	60.8	196.7	26,600	59.2	188.1	23,800	120
	130	56.0	191.0	22,900	57.7	190.2	23,400	55.9	180.7	21,000	130
	140	52.8	183.8	20,200	54.5	182.9	20,600	52.5	172.4	18,600	140
	150	49.5	175.6	17,800	51.1	174.7	18,200	49.0	163.0	16,500	150
	160	46.0	166.4	15,800	47.6	165.5	16,200	45.1	152.3	14,600	160
	170	42.3	156.0	14,100	43.8	154.9	14,300	41.0	140.0	12,900	170
	180	38.2	144.0	12,500	39.8	142.9	12,700				180
	190	33.8	130.0	11,100	35.3	128.8	11,300				190
	200	28.7	113.3	9,800	30.2	111.9	10,000				200
	210	22.7	92.2	8,700							210
190	45	80.4	236.2	30,000*							45
	50	79.2	235.2	30,000*	80.8	234.5	30,000*	79.9	230.5	30,000*	50
	55	77.9	234.2	30,000*	79.6	233.5	30,000*	78.6	229.2	30,000*	55
	60	76.6	233.0	30,000*	78.3	232.3	30,000*	77.3	227.8	30,000*	60
	65	75.3	231.8	30,000*	77.0	231.0	30,000*	76.0	226.2	30,000*	65
	70	74.1	230.4	30,000*	75.7	229.6	30,000*	74.7	224.6	30,000*	70
	75	72.8	228.8	30,000*	74.4	228.1	30,000*	73.4	222.8	30,000*	75
	80	71.5	227.2	30,000*	73.1	226.4	30,000*	72.0	220.8	30,000*	80
	85	70.2	225.4	30,000*	71.8	224.7	30,000*	69.3	216.6	30,000*	85
	90	68.8	223.5	30,000*	70.5	222.7	30,000*	66.5	211.7	30,000*	90
	100	66.1	219.3	30,000*	67.8	218.5	30,000*	63.7	206.2	26,700	100
	110	63.4	214.5	29,300	65.0	213.7	30,000*	60.7	200.1	23,400	110
	120	60.6	209.1	25,500	62.2	208.3	26,100	57.7	193.2	20,500	120
	130	57.7	203.0	22,300	59.3	202.2	22,900	54.5	185.5	18,100	130
	140	54.7	196.2	19,600	56.3	195.4	20,100	51.2	176.8	16,000	140
	150	51.6	188.7	17,300	53.2	187.8	17,700	47.7	167.0	14,100	150
	160	48.4	180.1	15,300	49.9	179.2	15,700	44.0	156.0	12,500	160
	170	44.9	170.6	13,500	46.5	169.6	13,800	40.0	143.2	11,000	170
	180	41.3	159.8	11,900	42.8	158.7	12,200				180
	190	37.3	147.4	10,500	38.8	146.2	10,800				190
	200	33.0	133.0	9,300	34.4	131.7	9,500				200
	210	28.1	115.8	8,100	29.5	114.3	8,300				210
	220	22.2	94.2	7,100							220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
200	45	80.8	246.3	30,000*							45
	50	79.6	245.4	30,000*							50
	55	78.4	244.4	30,000*	80.0	243.7	30,000*				55
	60	77.2	243.3	30,000*	78.8	242.6	30,000*	80.3	240.8	30,000*	60
	65	76.0	242.1	30,000*	77.6	241.4	30,000*	79.1	239.5	30,000*	65
	70	74.7	240.8	30,000*	76.3	240.0	30,000*	77.9	238.2	30,000*	70
	75	73.5	239.3	30,000*	75.1	238.6	30,000*	76.6	236.7	30,000*	75
	80	72.3	237.7	30,000*	73.8	237.0	30,000*	75.4	235.1	30,000*	80
	85	71.0	236.0	30,000*	72.6	235.3	30,000*	74.1	233.4	30,000*	85
	90	69.7	234.2	30,000*	71.3	233.5	30,000*	72.8	231.6	30,000*	90
	100	67.2	230.2	30,000*	68.8	229.4	30,000*	70.2	227.5	30,000*	100
	110	64.6	225.7	28,900	66.1	224.9	29,600	67.6	222.9	30,000*	110
	120	61.9	220.5	25,100	63.5	219.7	25,700	64.9	217.7	26,300	120
	130	59.2	214.8	21,900	60.7	214.0	22,400	62.1	211.9	23,000	130
	140	56.4	208.4	19,200	57.9	207.6	19,700	59.3	205.4	20,100	140
	150	53.5	201.3	16,800	55.0	200.4	17,300	56.3	198.2	17,700	150
	160	50.4	193.4	14,800	51.9	192.5	15,200	53.2	190.1	15,600	160
	170	47.3	184.5	13,000	48.7	183.6	13,400	50.0	181.1	13,700	170
	180	43.9	174.6	11,500	45.4	173.6	11,800	46.6	171.0	12,100	180
	190	40.4	163.4	10,100	41.8	162.3	10,400	43.0	159.5	10,600	190
210	200	36.5	150.7	8,800	37.9	149.5	9,100	39.0	146.4	9,200	200
	210	32.3	135.9	7,700	33.7	134.6	7,900				210
	220	27.5	118.3	6,700	28.8	116.7	6,800				220
	230	21.7	96.1	5,700							230
	50	80.0	255.6	30,000*							50
	55	78.9	254.6	30,000*	80.4	253.9	30,000*				55
	60	77.7	253.6	30,000*	79.2	252.8	30,000*	80.7	251.0	30,000*	60
	65	76.5	252.4	30,000*	78.1	251.7	30,000*	79.6	249.8	30,000*	65
	70	75.4	251.1	30,000*	76.9	250.4	30,000*	78.4	248.5	30,000*	70
	75	74.2	249.7	30,000*	75.7	249.0	30,000*	77.2	247.1	30,000*	75
220	80	73.0	248.2	30,000*	74.5	247.5	30,000*	76.0	245.6	30,000*	80
	85	71.8	246.6	30,000*	73.3	245.9	30,000*	74.8	244.0	30,000*	85
	90	70.6	244.9	30,000*	72.1	244.1	30,000*	73.5	242.2	30,000*	90
	100	68.1	241.0	30,000*	69.6	240.3	30,000*	71.1	238.3	30,000*	100
	110	65.7	236.7	28,500	67.2	235.9	29,200	68.6	233.9	30,000*	110
	120	63.1	231.8	24,600	64.6	231.0	25,300	66.0	229.0	25,900	120
	130	60.5	226.4	21,500	62.0	225.6	22,000	63.4	223.5	22,600	130
	140	57.9	220.4	18,700	59.3	219.5	19,300	60.7	217.4	19,800	140
	150	55.1	213.7	16,400	56.6	212.8	16,900	57.9	210.6	17,300	150
	160	52.3	206.2	14,400	53.7	205.3	14,800	55.0	203.1	15,200	160
	170	49.4	198.0	12,600	50.8	197.1	13,000	52.0	194.7	13,300	170
	180	46.3	188.8	11,100	47.7	187.8	11,400	48.9	185.3	11,700	180
	190	43.0	178.6	9,700	44.4	177.5	10,000	45.5	174.9	10,200	190
	200	39.5	167.0	8,400	40.9	165.9	8,700	42.0	163.0	8,900	200
	210	35.8	153.9	7,300	37.1	152.7	7,500	38.1	149.6	7,700	210
	220	31.6	138.7	6,200	32.9	137.4	6,400				220
	230	26.9	120.6	5,300	28.2	119.0	5,400				230
	240	21.3	97.9	4,400							240

MANITOWOC ENGINEERING CO.

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



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MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
220	50	80.4	265.8	30,000*							50
	55	79.3	264.8	30,000*	80.8	264.1	30,000*				55
	60	78.2	263.8	30,000*	79.7	263.1	30,000*				60
	65	77.1	262.7	30,000*	78.5	261.9	30,000*	80.0	260.1	30,000*	65
	70	75.9	261.5	30,000*	77.4	260.7	30,000*	78.8	258.9	30,000*	70
	75	74.8	260.1	30,000*	76.3	259.4	30,000*	77.7	257.5	30,000*	75
	80	73.7	258.7	30,000*	75.1	257.9	30,000*	76.5	256.0	30,000*	80
	85	72.5	257.1	30,000*	74.0	256.4	30,000*	75.4	254.5	30,000*	85
	90	71.4	255.5	30,000*	72.8	254.7	30,000*	74.2	252.8	30,000*	90
	100	69.0	251.8	30,000*	70.5	251.0	30,000*	71.8	249.1	30,000*	100
	110	66.7	247.7	28,000	68.1	246.9	28,800	69.4	244.9	29,500	110
	120	64.2	243.0	24,200	65.7	242.2	24,900	67.0	240.2	25,500	120
	130	61.8	237.9	21,000	63.2	237.0	21,600	64.5	235.0	22,200	130
	140	59.3	232.1	18,300	60.7	231.3	18,800	62.0	229.2	19,400	140
	150	56.7	225.8	16,000	58.1	224.9	16,500	59.3	222.8	16,900	150
	160	54.0	218.8	13,900	55.4	217.9	14,400	56.6	215.7	14,800	160
	170	51.2	211.1	12,200	52.6	210.1	12,600	53.8	207.8	12,900	170
	180	48.3	202.5	10,600	49.7	201.5	11,000	50.9	199.1	11,300	180
	190	45.3	193.0	9,200	46.7	192.0	9,500	47.8	189.4	9,800	190
	200	42.1	182.4	8,000	43.5	181.4	8,300	44.5	178.6	8,500	200
	210	38.7	170.6	6,800	40.0	169.4	7,100	41.1	166.5	7,300	210
	220	35.0	157.1	5,800	36.3	155.8	6,000				220
	230	31.0	141.5	4,900	32.2	140.1	5,000				230
	240	26.4	123.0	4,000	27.6	121.3	4,100				240
230	50	80.8	275.9	30,000*							50
	55	79.7	275.0	30,000*							55
	60	78.6	274.0	30,000*	80.0	273.3	30,000*				60
	65	77.5	273.0	30,000*	79.0	272.2	30,000*	80.3	270.3	30,000*	65
	70	76.5	271.8	30,000*	77.9	271.0	30,000*	79.3	269.2	30,000*	70
	75	75.4	270.5	30,000*	76.8	269.7	30,000*	78.2	267.9	30,000*	75
	80	74.3	269.1	30,000*	75.7	268.3	30,000*	77.0	266.5	30,000*	80
	85	73.2	267.6	30,000*	74.6	266.9	30,000*	75.9	265.0	30,000*	85
	90	72.1	266.0	30,000*	73.5	265.3	30,000*	74.8	263.3	30,000*	90
	100	69.8	262.5	30,000*	71.2	261.7	30,000*	72.6	259.8	30,000*	100
	110	67.6	258.5	27,500	69.0	257.8	28,300	70.3	255.8	29,100	110
	120	65.3	254.1	23,700	66.6	253.3	24,400	67.9	251.3	25,100	120
	130	62.9	249.2	20,500	64.3	248.4	21,100	65.5	246.3	21,800	130
	140	60.5	243.7	17,800	61.9	242.9	18,400	63.1	240.8	18,900	140
	150	58.0	237.7	15,400	59.4	236.9	16,000	60.6	234.7	16,500	150
	160	55.5	231.1	13,400	56.9	230.2	13,900	58.1	228.0	14,300	160
	170	52.9	223.8	11,600	54.2	222.9	12,100	55.4	220.6	12,500	170
	180	50.2	215.8	10,100	51.5	214.8	10,500	52.7	212.4	10,800	180
	190	47.4	206.9	8,700	48.7	205.9	9,000	49.8	203.4	9,300	190
	200	44.4	197.1	7,400	45.7	196.1	7,700	46.8	193.4	8,000	200
	210	41.3	186.2	6,300	42.6	185.1	6,600	43.6	182.3	6,800	210
	220	38.0	174.0	5,300	39.2	172.8	5,500	40.2	169.8	5,700	220
	230	34.4	160.2	4,300	35.6	158.9	4,500				230
240	55	80.1	285.2	30,000*							55
	60	79.0	284.2	30,000*	80.4	283.5	30,000*				60
	65	78.0	283.2	30,000*	79.4	282.4	30,000*	80.7	280.6	30,000*	65
	70	77.0	282.1	30,000*	78.3	281.3	30,000*	79.6	279.4	30,000*	70
	75	75.9	280.8	30,000*	77.3	280.1	30,000*	78.6	278.2	30,000*	75
	80	74.9	279.5	30,000*	76.2	278.7	30,000*	77.5	276.8	30,000*	80
	85	73.8	278.1	30,000*	75.1	277.3	30,000*	76.5	275.4	30,000*	85
	90	72.7	276.5	30,000*	74.1	275.8	30,000*	75.4	273.8	30,000*	90
	100	70.6	273.2	30,000*	71.9	272.4	30,000*	73.2	270.4	30,000*	100
	110	68.4	269.4	27,000	69.7	268.6	27,900	71.0	266.6	28,700	110
	120	66.2	265.1	23,200	67.5	264.3	24,000	68.8	262.3	24,700	120
	130	63.9	260.4	20,000	65.3	259.6	20,700	66.5	257.5	21,300	130
	140	61.7	255.2	17,300	63.0	254.4	17,900	64.2	252.3	18,500	140
	150	59.3	249.5	14,900	60.6	248.6	15,500	61.8	246.5	16,000	150
	160	56.9	243.2	12,900	58.2	242.3	13,400	59.4	240.1	13,900	160
	170	54.4	236.3	11,100	55.7	235.4	11,600	56.9	233.1	12,000	170
	180	51.9	228.7	9,600	53.2	227.7	10,000	54.3	225.4	10,400	180
	190	49.2	220.4	8,200	50.5	219.4	8,600	51.6	217.0	8,900	190
	200	46.5	211.2	6,900	47.7	210.2	7,300	48.8	207.7	7,600	200
	210	43.6	201.1	5,800	44.8	200.1	6,100	45.8	197.4	6,400	210
	220	40.5	189.9	4,800	41.7	188.8	5,100	42.7	185.9	5,300	220
	230				38.5	176.2	4,100	39.4	173.1	4,300	230

MANITOWOC ENGINEERING CO.

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ANSI B30.5
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JIB NO. 123 WITH 12'6" STRUT ON
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28'2" CRAWLERS EXTENDED
360 DEGREE RATING

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
250	55	80.4	295.3	30,000*							55
	60	79.4	294.4	30,000*	80.7	293.7	30,000*				60
	65	78.4	293.4	30,000*	79.7	292.7	30,000*	81.0	290.8	30,000*	65
	70	77.4	292.3	30,000*	78.7	291.6	30,000*	80.0	289.7	30,000*	70
	75	76.4	291.1	30,000*	77.7	290.4	30,000*	79.0	288.5	30,000*	75
	80	75.4	289.9	30,000*	76.7	289.1	30,000*	78.0	287.2	30,000*	80
	85	74.4	288.5	30,000*	75.7	287.7	30,000*	76.9	285.8	30,000*	85
	90	73.3	287.0	30,000*	74.6	286.2	30,000*	75.9	284.3	30,000*	90
	100	71.3	283.8	30,000*	72.6	283.0	30,000*	73.8	281.0	30,000*	100
	110	69.2	280.1	26,700	70.5	279.3	27,600	71.7	277.3	28,500	110
	120	67.1	276.0	22,800	68.3	275.2	23,700	69.6	273.2	24,400	120
	130	64.9	271.5	19,600	66.2	270.7	20,400	67.4	268.7	21,000	130
	140	62.7	266.5	16,900	64.0	265.7	17,600	65.2	263.6	18,200	140
	150	60.5	261.1	14,600	61.7	260.2	15,200	62.9	258.1	15,700	150
	160	58.2	255.1	12,600	59.4	254.2	13,100	60.6	252.0	13,600	160
	170	55.8	248.5	10,800	57.1	247.6	11,300	58.2	245.4	11,700	170
	180	53.4	241.3	9,200	54.6	240.4	9,700	55.7	238.1	10,100	180
	190	50.9	233.5	7,800	52.1	232.5	8,200	53.2	230.1	8,600	190
	200	48.3	224.9	6,600	49.5	223.9	7,000	50.6	221.4	7,300	200
	210	45.6	215.4	5,500	46.8	214.4	5,800	47.8	211.8	6,100	210
	220	42.8	205.0	4,400	44.0	204.0	4,700	44.9	201.2	5,000	220
	230							41.9	189.5	4,000	230
260	55	80.7	305.5	30,000*							55
	60	79.8	304.6	30,000*							60
	65	78.8	303.6	30,000*	80.1	302.9	30,000*				65
	70	77.8	302.6	30,000*	79.1	301.8	30,000*	80.4	299.9	30,000*	70
	75	76.9	301.4	30,000*	78.1	300.7	30,000*	79.4	298.8	30,000*	75
	80	75.9	300.2	30,000*	77.1	299.4	30,000*	78.4	297.5	30,000*	80
	85	74.9	298.9	30,000*	76.2	298.1	30,000*	77.4	296.2	30,000*	85
	90	73.9	297.4	30,000*	75.2	296.7	30,000*	76.4	294.7	30,000*	90
	100	71.9	294.3	30,000*	73.2	293.5	30,000*	74.4	291.6	30,000*	100
	110	69.9	290.8	26,200	71.2	290.0	27,200	72.4	288.0	28,000	110
	120	67.9	286.9	22,400	69.1	286.1	23,200	70.3	284.1	24,000	120
	130	65.8	282.5	19,200	67.0	281.7	19,900	68.2	279.7	20,600	130
	140	63.7	277.8	16,400	64.9	276.9	17,100	66.1	274.9	17,800	140
	150	61.5	272.5	14,100	62.8	271.7	14,700	63.9	269.6	15,300	150
	160	59.4	266.8	12,100	60.6	265.9	12,700	61.7	263.8	13,200	160
	170	57.1	260.5	10,300	58.3	259.6	10,800	59.4	257.4	11,300	170
	180	54.8	253.7	8,800	56.0	252.8	9,200	57.1	250.5	9,600	180
	190	52.4	246.3	7,400	53.6	245.3	7,800	54.7	243.0	8,200	190
	200	50.0	238.1	6,100	51.2	237.2	6,500	52.2	234.7	6,800	200
	210	47.5	229.3	5,000	48.6	228.3	5,300	49.6	225.7	5,600	210
	220	44.8	219.6	4,000	46.0	218.5	4,300	46.9	215.9	4,500	220

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144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
110	35	80.2	167.1	20,000*							35
	40	78.4	166.1	20,000*							40
	45	76.6	164.9	20,000*	79.6	164.2	20,000*				45
	50	74.7	163.6	20,000*	77.7	162.9	20,000*	80.7	161.1	20,000*	50
	55	72.9	162.1	20,000*	75.9	161.4	20,000*	78.8	159.5	20,000*	55
	60	71.0	160.4	20,000*	74.0	159.7	20,000*	76.9	157.8	20,000*	60
	65	69.1	158.6	20,000*	72.1	157.9	20,000*	75.0	155.9	20,000*	65
	70	67.2	156.5	20,000*	70.2	155.8	20,000*	73.0	153.9	20,000*	70
	75	65.3	154.3	20,000*	68.2	153.5	20,000*	71.0	151.6	20,000*	75
	80	63.3	151.8	20,000*	66.2	151.1	20,000*	69.0	149.1	20,000*	80
	85	61.3	149.1	20,000*	64.2	148.4	20,000*	67.0	146.3	20,000*	85
	90	59.2	146.2	20,000*	62.1	145.4	20,000*	64.9	143.3	20,000*	90
120	100	55.0	139.6	20,000*	57.9	138.8	20,000*	60.5	136.6	20,000*	100
	110	50.5	131.9	20,000*	53.3	131.0	20,000*	55.9	128.7	20,000*	110
	120	45.7	122.8	20,000*	48.5	121.8	20,000*	51.0	119.3	19,800*	120
	130	40.4	111.9	20,000*	43.2	110.9	20,000*	45.6	108.0	18,800*	130
	140	34.6	98.6	20,000*	37.3	97.4	20,000*	39.4	94.2	17,900*	140
	150	27.6	81.7	20,000*	30.2	80.3	19,100*				150
	160	18.3	57.6	19,200							160
130	35	80.8	177.2	20,000*							35
	40	79.1	176.3	20,000*							40
	45	77.4	175.2	20,000*	80.2	174.5	20,000*				45
	50	75.6	174.0	20,000*	78.5	173.3	20,000*				50
	55	73.9	172.6	20,000*	76.7	171.9	20,000*	79.5	169.9	20,000*	55
	60	72.2	171.0	20,000*	75.0	170.3	20,000*	77.7	168.4	20,000*	60
	65	70.4	169.3	20,000*	73.2	168.5	20,000*	75.9	166.6	20,000*	65
	70	68.6	167.4	20,000*	71.4	166.6	20,000*	74.1	164.6	20,000*	70
	75	66.8	165.3	20,000*	69.6	164.5	20,000*	72.3	162.5	20,000*	75
	80	65.0	163.0	20,000*	67.7	162.2	20,000*	70.4	160.2	20,000*	80
	85	63.1	160.5	20,000*	65.8	159.7	20,000*	68.5	157.7	20,000*	85
	90	61.2	157.8	20,000*	63.9	157.0	20,000*	66.6	154.9	20,000*	90
140	100	57.3	151.7	20,000*	60.0	150.9	20,000*	62.6	148.7	20,000*	100
	110	53.2	144.7	20,000*	55.9	143.8	20,000*	58.4	141.5	20,000*	110
	120	48.9	136.5	20,000*	51.6	135.6	20,000*	54.0	133.1	20,000*	120
	130	44.2	126.9	20,000*	46.9	125.9	20,000*	49.2	123.2	19,400*	130
	140	39.2	115.5	20,000*	41.8	114.4	20,000*	44.0	111.4	18,500*	140
	150	33.5	101.7	20,000*	36.0	100.4	20,000*	38.0	97.0	17,700*	150
	160	26.7	84.1	18,700	29.1	82.5	18,900				160
	170	17.7	59.1	16,900							170
150	40	79.7	186.5	20,000*							40
	45	78.1	185.5	20,000*	80.7	184.8	20,000*				45
	50	76.4	184.3	20,000*	79.1	183.6	20,000*				50
	55	74.8	183.0	20,000*	77.5	182.3	20,000*	80.1	180.3	20,000*	55
	60	73.2	181.5	20,000*	75.8	180.8	20,000*	78.4	178.8	20,000*	60
	65	71.5	179.9	20,000*	74.2	179.1	20,000*	76.7	177.2	20,000*	65
	70	69.8	178.1	20,000*	72.5	177.3	20,000*	75.0	175.3	20,000*	70
	75	68.1	176.1	20,000*	70.8	175.4	20,000*	73.3	173.3	20,000*	75
	80	66.4	174.0	20,000*	69.0	173.2	20,000*	71.6	171.2	20,000*	80
	85	64.7	171.7	20,000*	67.3	170.9	20,000*	69.8	168.8	20,000*	85
	90	62.9	169.2	20,000*	65.5	168.4	20,000*	68.0	166.3	20,000*	90
	100	59.3	163.6	20,000*	61.9	162.7	20,000*	64.3	160.5	20,000*	100
160	110	55.5	157.1	20,000*	58.1	156.2	20,000*	60.5	153.9	20,000*	110
	120	51.6	149.6	20,000*	54.1	148.7	20,000*	56.4	146.2	20,000*	120
	130	47.4	140.9	20,000*	49.9	139.9	20,000*	52.2	137.4	20,000*	130
	140	42.9	130.8	20,000*	45.4	129.8	20,000*	47.5	127.0	19,100*	140
	150	38.0	118.9	20,000*	40.5	117.8	20,000*	42.5	114.7	18,300*	150
	160	32.5	104.6	18,300	34.9	103.3	18,500				160
	170	26.0	86.4	16,500	28.2	84.8	16,600				170
	180	17.2	60.6	14,800							180

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
140	40	80.2	196.7	20,000*							40
	45	78.7	195.7	20,000*							45
	50	77.2	194.6	20,000*	79.7	193.9	20,000*				50
	55	75.6	193.3	20,000*	78.1	192.6	20,000*	80.6	190.6	20,000*	55
	60	74.1	192.0	20,000*	76.6	191.2	20,000*	79.1	189.2	20,000*	60
	65	72.5	190.4	20,000*	75.0	189.7	20,000*	77.5	187.7	20,000*	65
	70	70.9	188.7	20,000*	73.4	188.0	20,000*	75.9	185.9	20,000*	70
	75	69.3	186.9	20,000*	71.8	186.1	20,000*	74.3	184.1	20,000*	75
	80	67.7	184.9	20,000*	70.2	184.1	20,000*	72.6	182.0	20,000*	80
	85	66.1	182.7	20,000*	68.6	181.9	20,000*	71.0	179.8	20,000*	85
	90	64.4	180.4	20,000*	66.9	179.6	20,000*	69.3	177.4	20,000*	90
	100	61.1	175.1	20,000*	63.5	174.3	20,000*	65.8	172.1	20,000*	100
	110	57.6	169.1	20,000*	60.0	168.2	20,000*	62.3	166.0	20,000*	110
	120	53.9	162.2	20,000*	56.4	161.3	20,000*	58.6	158.9	20,000*	120
	130	50.1	154.3	20,000*	52.5	153.3	20,000*	54.7	150.8	20,000*	130
	140	46.1	145.2	20,000*	48.5	144.2	20,000*	50.5	141.5	19,700*	140
	150	41.7	134.7	19,900	44.1	133.6	20,000*	46.1	130.6	18,800*	150
	160	37.0	122.3	17,800	39.3	121.1	18,100	41.1	117.8	18,100*	160
	170	31.6	107.4	16,100	33.8	106.0	16,300				170
	180	25.3	88.7	14,500	27.4	86.9	14,600				180
	190	16.8	62.1	13,000							190
150	40	80.7	206.8	20,000*							40
	45	79.3	205.9	20,000*							45
	50	77.8	204.8	20,000*	80.2	204.1	20,000*				50
	55	76.4	203.7	20,000*	78.8	202.9	20,000*				55
	60	74.9	202.4	20,000*	77.3	201.6	20,000*	79.6	199.6	20,000*	60
	65	73.4	200.9	20,000*	75.8	200.1	20,000*	78.1	198.1	20,000*	65
	70	71.9	199.3	20,000*	74.3	198.5	20,000*	76.6	196.5	20,000*	70
	75	70.4	197.6	20,000*	72.8	196.8	20,000*	75.1	194.7	20,000*	75
	80	68.9	195.7	20,000*	71.3	194.9	20,000*	73.5	192.8	20,000*	80
	85	67.4	193.6	20,000*	69.7	192.8	20,000*	72.0	190.7	20,000*	85
	90	65.8	191.4	20,000*	68.2	190.6	20,000*	70.4	188.5	20,000*	90
	100	62.6	186.5	20,000*	65.0	185.7	20,000*	67.2	183.5	20,000*	100
	110	59.4	180.9	20,000*	61.7	180.0	20,000*	63.9	177.8	20,000*	110
	120	56.0	174.5	20,000*	58.3	173.6	20,000*	60.4	171.2	20,000*	120
	130	52.5	167.2	20,000*	54.8	166.2	20,000*	56.8	163.8	20,000*	130
	140	48.8	158.8	20,000*	51.0	157.9	20,000*	53.1	155.3	20,000*	140
	150	44.9	149.3	19,300	47.1	148.3	19,700	49.0	145.5	19,400*	150
	160	40.6	138.4	17,300	42.8	137.2	17,700	44.7	134.2	17,900	160
	170	36.0	125.6	15,500	38.2	124.3	15,800	39.9	120.9	16,000	170
	180	30.8	110.2	14,000	32.9	108.7	14,200				180
	190	24.6	90.8	12,500	26.6	89.0	12,700				190
160	45	79.8	216.1	20,000*							45
	50	78.4	215.1	20,000*	80.7	214.3	20,000*				50
	55	77.0	214.0	20,000*	79.3	213.2	20,000*				55
	60	75.6	212.7	20,000*	77.9	211.9	20,000*	80.1	209.9	20,000*	60
	65	74.2	211.3	20,000*	76.5	210.6	20,000*	78.7	208.5	20,000*	65
	70	72.8	209.8	20,000*	75.1	209.0	20,000*	77.3	207.0	20,000*	70
	75	71.4	208.2	20,000*	73.6	207.4	20,000*	75.8	205.3	20,000*	75
	80	69.9	206.4	20,000*	72.2	205.6	20,000*	74.4	203.5	20,000*	80
	85	68.5	204.4	20,000*	70.7	203.6	20,000*	72.9	201.5	20,000*	85
	90	67.0	202.4	20,000*	69.3	201.5	20,000*	71.4	199.4	20,000*	90
	100	64.0	197.7	20,000*	66.3	196.9	20,000*	68.4	194.7	20,000*	100
	110	61.0	192.4	20,000*	63.2	191.6	20,000*	65.3	189.3	20,000*	110
	120	57.8	186.4	20,000*	60.0	185.6	20,000*	62.1	183.2	20,000*	120
	130	54.5	179.7	20,000*	56.7	178.7	20,000*	58.7	176.3	20,000*	130
	140	51.1	172.0	20,000*	53.3	171.0	20,000*	55.2	168.5	20,000*	140
	150	47.5	163.3	18,900	49.7	162.3	19,300	51.6	159.6	19,700	150
	160	43.7	153.4	16,900	45.8	152.3	17,200	47.6	149.4	17,600	160
	170	39.6	142.0	15,100	41.7	140.8	15,400	43.4	137.7	15,700	170
	180	35.1	128.7	13,500	37.2	127.4	13,800	38.8	123.9	14,000	180
	190	30.0	112.9	12,100	32.0	111.4	12,300				190
	200	24.0	92.9	10,800							200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
170	45	80.2	226.2	20,000*							45
	50	78.9	225.3	20,000*							50
	55	77.6	224.2	20,000*	79.8	223.5	20,000*				55
	60	76.3	223.0	20,000*				80.6	220.2	20,000*	60
	65	74.9	221.7	20,000*	77.1	220.9	20,000*	79.3	218.9	20,000*	65
	70	73.6	220.3	20,000*	75.8	219.5	20,000*	77.9	217.4	20,000*	70
	75	72.2	218.7	20,000*	74.4	217.9	20,000*	76.5	215.8	20,000*	75
	80	70.9	217.0	20,000*	73.0	216.2	20,000*	75.1	214.1	20,000*	80
	85	69.5	215.2	20,000*	71.7	214.4	20,000*	73.7	212.2	20,000*	85
	90	68.1	213.2	20,000*	70.3	212.4	20,000*	72.3	210.2	20,000*	90
	100	65.3	208.8	20,000*	67.4	208.0	20,000*	69.5	205.8	20,000*	100
	110	62.4	203.8	20,000*	64.5	203.0	20,000*	66.5	200.7	20,000*	110
	120	59.4	198.2	20,000*	61.5	197.3	20,000*	63.5	195.0	20,000*	120
	130	56.4	191.8	20,000*	58.5	190.9	20,000*	60.4	188.5	20,000*	130
	140	53.2	184.7	20,000*	55.3	183.7	20,000*	57.1	181.2	20,000*	140
	150	49.9	176.6	18,500	51.9	175.7	19,000	53.8	173.0	19,400	150
	160	46.4	167.6	16,500	48.4	166.5	16,900	50.2	163.7	17,300	160
	170	42.7	157.3	14,800	44.7	156.2	15,100	46.4	153.2	15,400	170
	180	38.7	145.5	13,200	40.6	144.3	13,500	42.3	141.0	13,700	180
	190	34.3	131.8	11,800	36.2	130.5	12,000	37.7	126.8	12,200	190
	200	29.3	115.5	10,500	31.2	113.9	10,700				200
	210	23.4	95.0	9,400							210
180	45	80.7	236.4	20,000*							45
	50	79.4	235.5	20,000*							50
	55	78.2	234.5	20,000*	80.2	233.7	20,000*				55
	60	76.9	233.3	20,000*	79.0	232.5	20,000*	81.0	230.5	20,000*	60
	65	75.6	232.1	20,000*	77.7	231.3	20,000*	79.7	229.2	20,000*	65
	70	74.3	230.7	20,000*	76.4	229.9	20,000*	78.4	227.8	20,000*	70
	75	73.0	229.2	20,000*	75.1	228.4	20,000*	77.1	226.3	20,000*	75
	80	71.7	227.6	20,000*	73.8	226.8	20,000*	75.8	224.6	20,000*	80
	85	70.4	225.8	20,000*	72.5	225.0	20,000*	74.5	222.9	20,000*	85
	90	69.1	224.0	20,000*	71.2	223.1	20,000*	73.1	221.0	20,000*	90
	100	66.4	219.8	20,000*	68.5	219.0	20,000*	70.4	216.8	20,000*	100
	110	63.7	215.1	20,000*	65.7	214.2	20,000*	67.6	212.0	20,000*	110
	120	60.9	209.8	20,000*	62.9	208.9	20,000*	64.8	206.6	20,000*	120
	130	58.0	203.8	20,000*	60.0	202.9	20,000*	61.9	200.5	20,000*	130
	140	55.0	197.1	20,000*	57.0	196.2	20,000*	58.8	193.7	20,000*	140
	150	51.9	189.6	18,100	53.9	188.6	18,600	55.7	186.0	19,000	150
	160	48.7	181.2	16,100	50.7	180.2	16,500	52.4	177.5	16,900	160
	170	45.3	171.8	14,300	47.2	170.7	14,700	48.9	167.8	15,000	170
	180	41.7	161.1	12,700	43.6	160.0	13,100	45.2	156.9	13,400	180
	190	37.8	148.9	11,300	39.7	147.7	11,600	41.2	144.3	11,900	190
	200	33.5	134.8	10,100	35.3	133.4	10,300	36.7	129.7	10,500	200
	210	28.7	118.0	8,900	30.4	116.4	9,100				210
	220	22.9	97.0	7,900							220
190	50	79.9	245.7	20,000*	80.7	243.9	20,000*				50
	55	78.6	244.7	20,000*							55
	60	77.4	243.6	20,000*	79.4	242.8	20,000*				60
	65	76.2	242.4	20,000*	78.2	241.6	20,000*	80.2	239.5	20,000*	65
	70	75.0	241.1	20,000*	77.0	240.3	20,000*	78.9	238.2	20,000*	70
	75	73.8	239.7	20,000*	75.7	238.9	20,000*	77.7	236.7	20,000*	75
	80	72.5	238.1	20,000*	74.5	237.3	20,000*	76.4	235.2	20,000*	80
	85	71.3	236.4	20,000*	73.2	235.6	20,000*	75.2	233.5	20,000*	85
	90	70.0	234.7	20,000*	72.0	233.8	20,000*	73.9	231.7	20,000*	90
	100	67.5	230.7	20,000*	69.4	229.9	20,000*	71.3	227.6	20,000*	100
	110	64.9	226.2	20,000*	66.8	225.4	20,000*	68.7	223.1	20,000*	110
	120	62.2	221.2	20,000*	64.1	220.3	20,000*	66.0	218.0	20,000*	120
	130	59.5	215.5	20,000*	61.4	214.6	20,000*	63.2	212.2	20,000*	130
	140	56.7	209.2	19,900	58.6	208.3	20,000*	60.4	205.8	20,000*	140
	150	53.8	202.2	17,600	55.7	201.2	18,100	57.4	198.7	18,600	150
	160	50.8	194.4	15,500	52.7	193.4	16,000	54.3	190.7	16,500	160
	170	47.6	185.6	13,800	49.5	184.6	14,200	51.1	181.8	14,600	170
	180	44.3	175.9	12,200	46.1	174.7	12,600	47.7	171.8	12,900	180
	190	40.8	164.8	10,800	42.6	163.6	11,100	44.1	160.5	11,400	190
	200	37.0	152.3	9,500	38.8	151.0	9,800	40.2	147.5	10,100	200
	210	32.8	137.8	8,400	34.5	136.3	8,600				210
	220	28.1	120.5	7,400	29.7	118.9	7,600				220
	230	22.4	99.0	6,400							230

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JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
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360 DEGREE RATING

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
200	50	80.3	255.8	20,000*							50
	55	79.1	254.9	20,000*	81.0	254.1	20,000*				55
	60	77.9	253.8	20,000*	79.9	253.0	20,000*				60
	65	76.8	252.7	20,000*	78.7	251.9	20,000*	80.6	249.8	20,000*	65
	70	75.6	251.4	20,000*	77.5	250.6	20,000*	79.4	248.5	20,000*	70
	75	74.4	250.1	20,000*	76.3	249.3	20,000*	78.2	247.1	20,000*	75
	80	73.2	248.6	20,000*	75.1	247.8	20,000*	77.0	245.6	20,000*	80
	85	72.0	247.0	20,000*	73.9	246.2	20,000*	75.8	244.0	20,000*	85
	90	70.8	245.3	20,000*	72.7	244.5	20,000*	74.6	242.3	20,000*	90
	100	68.4	241.5	20,000*	70.3	240.7	20,000*	72.1	238.5	20,000*	100
	110	65.9	237.2	20,000*	67.8	236.4	20,000*	69.6	234.1	20,000*	110
	120	63.4	232.4	20,000*	65.3	231.6	20,000*	67.0	229.3	20,000*	120
	130	60.8	227.1	20,000*	62.7	226.2	20,000*	64.4	223.8	20,000*	130
	140	58.2	221.1	19,400	60.0	220.2	20,000*	61.7	217.8	20,000*	140
	150	55.4	214.5	17,100	57.3	213.6	17,700	58.9	211.0	18,200	150
	160	52.6	207.2	15,100	54.4	206.2	15,600	56.1	203.6	16,100	160
	170	49.7	199.0	13,300	51.5	198.0	13,800	53.1	195.3	14,200	170
	180	46.6	190.0	11,700	48.4	188.9	12,100	49.9	186.0	12,500	180
	190	43.4	179.9	10,300	45.1	178.7	10,700	46.6	175.7	11,000	190
	200	39.9	168.5	9,100	41.7	167.3	9,400	43.1	164.0	9,700	200
210	210	36.2	155.6	7,900	37.9	154.2	8,200	39.2	150.7	8,400	210
	220	32.1	140.7	6,900	33.8	139.2	7,100				220
	230	27.5	123.0	6,000	29.1	121.3	6,100				230
	240	22.0	100.9	5,100							240
	50	80.6	266.0	20,000*							50
	55	79.5	265.1	20,000*							55
	60	78.4	264.1	20,000*	80.3	263.3	20,000*				60
	65	77.3	263.0	20,000*	79.1	262.2	20,000*	81.0	260.0	20,000*	65
210	70	76.2	261.8	20,000*	78.0	261.0	20,000*	79.8	258.8	20,000*	70
	75	75.0	260.5	20,000*	76.9	259.6	20,000*	78.7	257.5	20,000*	75
	80	73.9	259.0	20,000*	75.7	258.2	20,000*	77.5	256.0	20,000*	80
	85	72.7	257.5	20,000*	74.6	256.7	20,000*	76.4	254.5	20,000*	85
	90	71.6	255.9	20,000*	73.4	255.0	20,000*	75.2	252.8	20,000*	90
	100	69.3	252.3	20,000*	71.1	251.4	20,000*	72.8	249.2	20,000*	100
	110	66.9	248.2	20,000*	68.7	247.3	20,000*	70.4	245.1	20,000*	110
	120	64.5	243.6	20,000*	66.3	242.7	20,000*	68.0	240.4	20,000*	120
	130	62.0	238.5	20,000*	63.8	237.6	20,000*	65.5	235.2	20,000*	130
	140	59.5	232.8	19,000	61.3	231.9	19,700	62.9	229.5	20,000*	140
	150	56.9	226.6	16,700	58.7	225.6	17,300	60.3	223.1	17,800	150
	160	54.3	219.7	14,700	56.0	218.7	15,200	57.6	216.1	15,700	160
	170	51.5	212.0	12,900	53.3	211.0	13,400	54.8	208.3	13,800	170
	180	48.6	203.6	11,300	50.4	202.5	11,700	51.9	199.7	12,100	180
	190	45.6	194.2	9,900	47.4	193.1	10,300	48.8	190.1	10,600	190
	200	42.5	183.8	8,700	44.2	182.6	9,000	45.6	179.5	9,300	200
	210	39.1	172.0	7,500	40.8	170.8	7,800	42.1	167.4	8,100	210
	220	35.5	158.8	6,500	37.1	157.4	6,800	38.4	153.7	7,000	220
	230	31.5	143.5	5,500	33.1	141.9	5,800				230
	240	26.9	125.4	4,700	28.5	123.6	4,900				240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
220	50	81.0	276.1	20,000*							50
	55	79.9	275.2	20,000*							55
	60	78.8	274.3	20,000*	80.6	273.5	20,000*				60
	65	77.8	273.2	20,000*			20,000*				65
	70	76.7	272.1	20,000*	78.5	271.2	20,000*	80.2	269.1	20,000*	70
	75	75.6	270.8	20,000*	77.4	270.0	20,000*	79.1	267.8	20,000*	75
	80	74.5	269.4	20,000*	76.3	268.6	20,000*	78.0	266.4	20,000*	80
	85	73.4	268.0	20,000*	75.2	267.1	20,000*	76.9	265.0	20,000*	85
	90	72.3	266.4	20,000*	74.1	265.6	20,000*	75.8	263.4	20,000*	90
	100	70.1	262.9	20,000*	71.8	262.1	20,000*	73.5	259.9	20,000*	100
	110	67.8	259.0	20,000*	69.5	258.2	20,000*	71.2	255.9	20,000*	110
	120	65.5	254.7	20,000*	67.2	253.8	20,000*	68.9	251.5	20,000*	120
	130	63.2	249.8	20,000*	64.9	248.9	20,000*	66.5	246.5	20,000*	130
	140	60.8	244.4	18,500	62.5	243.5	19,200	64.1	241.1	19,900	140
	150	58.3	238.5	16,200	60.0	237.5	16,900	61.6	235.0	17,400	150
	160	55.8	231.9	14,200	57.5	230.9	14,800	59.0	228.4	15,300	160
	170	53.2	224.7	12,400	54.9	223.7	12,900	56.4	221.1	13,400	170
	180	50.5	216.8	10,900	52.2	215.7	11,300	53.6	213.0	11,700	180
	190	47.7	208.0	9,500	49.3	206.9	9,900	50.8	204.1	10,300	190
	200	44.7	198.3	8,200	46.4	197.2	8,600	47.8	194.2	8,900	200
230	210	41.6	187.6	7,100	43.3	186.4	7,400	44.6	183.2	7,700	210
	220	38.3	175.5	6,000	39.9	174.2	6,300	41.2	170.8	6,600	220
	230	34.8	161.9	5,100	36.3	160.5	5,400	37.5	156.7	5,600	230
	240	30.9	146.2	4,200	32.4	144.7	4,500				240
230	55	80.3	285.4	20,000*							55
	60	79.2	284.5	20,000*	81.0	283.7	20,000*				60
	65	78.2	283.5	20,000*	79.9	282.6	20,000*				65
	70	77.2	282.3	20,000*	78.9	281.5	20,000*	80.6	279.3	20,000*	70
	75	76.1	281.1	20,000*	77.8	280.3	20,000*	79.5	278.1	20,000*	75
	80	75.1	279.8	20,000*	76.8	279.0	20,000*	78.4	276.8	20,000*	80
	85	74.0	278.4	20,000*	75.7	277.6	20,000*	77.4	275.4	20,000*	85
	90	72.9	276.9	20,000*	74.6	276.1	20,000*	76.3	273.8	20,000*	90
	100	70.8	273.6	20,000*	72.5	272.7	20,000*	74.1	270.5	20,000*	100
	110	68.6	269.8	20,000*	70.3	269.0	20,000*	71.9	266.7	20,000*	110
	120	66.4	265.6	20,000*	68.1	264.8	20,000*	69.7	262.4	20,000*	120
	130	64.2	261.0	20,000*	65.8	260.1	20,000*	67.4	257.7	20,000*	130
	140	61.9	255.8	18,000	63.6	254.9	18,800	65.1	252.5	19,500	140
	150	59.6	250.2	15,700	61.2	249.2	16,400	62.7	246.8	17,000	150
	160	57.2	243.9	13,700	58.8	243.0	14,300	60.3	240.5	14,800	160
	170	54.7	237.1	11,900	56.3	236.1	12,400	57.8	233.5	13,000	170
	180	52.1	229.6	10,300	53.8	228.6	10,800	55.2	225.9	11,300	180
	190	49.5	221.4	8,900	51.1	220.3	9,400	52.5	217.5	9,800	190
	200	46.8	212.3	7,700	48.4	211.2	8,100	49.7	208.3	8,400	200
	210	43.9	202.4	6,500	45.5	201.2	6,900	46.8	198.1	7,200	210
	220	40.9	191.3	5,500	42.4	190.1	5,800	43.7	186.8	6,100	220
	230	37.6	178.9	4,600	39.2	177.6	4,900	40.4	174.1	5,100	230
240	240				35.6	163.5	4,000	36.8	159.7	4,200	240
	55	80.6	295.6	20,000*							55
	60	79.6	294.7	20,000*							60
	65	78.6	293.7	20,000*	80.3	292.9	20,000*				65
	70	77.6	292.6	20,000*	79.3	291.8	20,000*	80.9	289.6	20,000*	70
	75	76.6	291.4	20,000*	78.3	290.6	20,000*	79.9	288.4	20,000*	75
	80	75.6	290.2	20,000*	77.2	289.3	20,000*	78.9	287.1	20,000*	80
	85	74.6	288.8	20,000*	76.2	288.0	20,000*	77.8	285.8	20,000*	85
	90	73.5	287.4	20,000*	75.2	286.5	20,000*	76.8	284.3	20,000*	90
	100	71.5	284.2	20,000*	73.1	283.3	20,000*	74.7	281.1	20,000*	100
	110	69.4	280.6	20,000*	71.0	279.7	20,000*	72.6	277.4	20,000*	110
	120	67.3	276.5	20,000*	68.9	275.7	20,000*	70.4	273.3	20,000*	120
	130	65.1	272.1	20,000*	66.7	271.2	20,000*	68.3	268.8	20,000*	130
	140	62.9	267.1	17,500	64.5	266.2	18,300	66.1	263.8	19,100	140
	150	60.7	261.7	15,200	62.3	260.8	15,900	63.8	258.3	16,600	150
	160	58.4	255.8	13,200	60.0	254.8	13,800	61.5	252.3	14,400	160
	170	56.1	249.3	11,400	57.7	248.3	12,000	59.1	245.7	12,500	170
	180	53.7	242.2	9,800	55.2	241.2	10,400	56.6	238.5	10,900	180
	190	51.2	234.4	8,400	52.7	233.4	8,900	54.1	230.6	9,400	190
	200	48.6	225.9	7,200	50.1	224.8	7,600	51.5	222.0	8,000	200
	210	45.9	216.6	6,000	47.4	215.5	6,400	48.8	212.5	6,800	210
	220	43.1	206.3	5,000	44.6	205.1	5,400	45.9	202.0	5,700	220
	230	40.1	195.0	4,100	41.6	193.7	4,400	42.8	190.3	4,700	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
250	55	80.9	305.7	20,000*							55
	60	80.0	304.8	20,000*							60
	65	79.0	303.9	20,000*	80.6	303.1	20,000*				65
	70	78.0	302.8	20,000*	79.6	302.0	20,000*				70
	75	77.1	301.7	20,000*	78.7	300.9	20,000*	80.2	298.7	20,000*	75
	80	76.1	300.5	20,000*	77.7	299.7	20,000*	79.2	297.4	20,000*	80
	85	75.1	299.2	20,000*	76.7	298.3	20,000*	78.2	296.1	20,000*	85
	90	74.1	297.8	20,000*	75.7	296.9	20,000*	77.2	294.7	20,000*	90
	100	72.1	294.7	20,000*	73.7	293.8	20,000*	75.2	291.6	20,000*	100
	110	70.1	291.2	20,000*	71.7	290.4	20,000*	73.2	288.1	20,000*	110
	120	68.1	287.4	20,000*	69.6	286.5	20,000*	71.1	284.2	20,000*	120
	130	66.0	283.1	19,900	67.6	282.2	20,000*	69.1	279.8	20,000*	130
	140	63.9	278.3	17,200	65.5	277.4	18,000	66.9	275.0	18,800	140
	150	61.8	273.2	14,900	63.3	272.2	15,600	64.8	269.8	16,300	150
	160	59.6	267.5	12,800	61.1	266.5	13,500	62.5	264.0	14,100	160
	170	57.3	261.3	11,100	58.9	260.3	11,700	60.3	257.8	12,200	170
	180	55.1	254.5	9,500	56.6	253.5	10,000	58.0	250.9	10,600	180
	190	52.7	247.2	8,100	54.2	246.1	8,600	55.6	243.4	9,100	190
	200	50.3	239.1	6,800	51.8	238.1	7,300	53.1	235.3	7,700	200
	210	47.7	230.4	5,700	49.2	229.3	6,100	50.5	226.3	6,500	210
	220	45.1	220.8	4,700	46.6	219.6	5,100	47.8	216.5	5,400	220
	230				43.8	209.0	4,100	45.0	205.8	4,400	230
260	60	80.3	315.0	20,000*							60
	65	79.4	314.1	20,000*	80.9	313.2	20,000*				65
	70	78.4	313.1	20,000*	80.0	312.2	20,000*				70
	75	77.5	312.0	20,000*	79.0	311.1	20,000*	80.5	308.9	20,000*	75
	80	76.5	310.8	20,000*	78.1	310.0	20,000*	79.6	307.7	20,000*	80
	85	75.6	309.5	20,000*	77.1	308.7	20,000*	78.6	306.5	20,000*	85
	90	74.6	308.2	20,000*	76.2	307.3	20,000*	77.7	305.1	20,000*	90
	100	72.7	305.2	20,000*	74.2	304.4	20,000*	75.7	302.1	20,000*	100
	110	70.8	301.9	20,000*	72.3	301.0	20,000*	73.8	298.7	20,000*	110
	120	68.8	298.1	20,000*	70.3	297.3	20,000*	71.8	294.9	20,000*	120
	130	66.8	294.0	19,500	68.3	293.1	20,000*	69.8	290.8	20,000*	130
	140	64.8	289.5	16,700	66.3	288.6	17,600	67.7	286.2	18,400	140
	150	62.8	284.5	14,400	64.3	283.6	15,200	65.7	281.1	15,900	150
	160	60.7	279.0	12,300	62.2	278.1	13,100	63.5	275.6	13,700	160
	170	58.5	273.1	10,600	60.0	272.2	11,200	61.4	269.6	11,800	170
	180	56.3	266.7	9,000	57.8	265.7	9,600	59.2	263.1	10,100	180
	190	54.1	259.7	7,600	55.6	258.7	8,100	56.9	256.0	8,600	190
	200	51.8	252.0	6,300	53.2	251.0	6,800	54.5	248.2	7,300	200
	210	49.4	243.8	5,200	50.8	242.7	5,700	52.1	239.8	6,100	210
	220	46.9	234.7	4,200	48.3	233.6	4,600	49.6	230.6	5,000	220

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JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
110	35	80.5	177.2	10,000*							35
	40	78.8	176.3	10,000*							40
	45	77.1	175.2	10,000*	80.5	174.6	10,000*				45
	50	75.3	174.0	10,000*	78.7	173.3	10,000*				50
	55	73.6	172.6	10,000*	77.0	171.9	10,000*	80.4	170.0	10,000*	55
	60	71.9	171.0	10,000*	75.2	170.4	10,000*	78.6	168.4	10,000*	60
	65	70.1	169.3	10,000*	73.5	168.6	10,000*	76.8	166.6	10,000*	65
	70	68.3	167.4	10,000*	71.7	166.7	10,000*	75.0	164.7	10,000*	70
	75	66.5	165.3	10,000*	69.9	164.6	10,000*	73.2	162.5	10,000*	75
	80	64.7	163.0	10,000*	68.0	162.3	10,000*	71.3	160.2	10,000*	80
	85	62.8	160.5	10,000*	66.1	159.8	10,000*	69.4	157.7	10,000*	85
	90	60.9	157.8	10,000*	64.2	157.1	10,000*	67.5	154.9	10,000*	90
	100	57.0	151.8	10,000*	60.3	151.0	10,000*	63.5	148.7	10,000*	100
	110	52.9	144.7	10,000*	56.2	143.9	10,000*	59.3	141.5	10,000*	110
	120	48.6	136.5	10,000*	51.9	135.7	10,000*	54.9	133.1	10,000*	120
	130	44.0	126.9	10,000*	47.2	126.0	10,000*	50.1	123.2	10,000*	130
120	40	38.9	115.5	10,000*	42.1	114.5	10,000*	44.9	111.4	10,000*	140
	45	33.2	101.7	10,000*	36.3	100.5	10,000*	38.9	97.0	10,000*	150
	50	26.5	84.1	10,000*	29.5	82.7	10,000*				160
	55	17.5	59.2	10,000*							170
	60	81.0	187.4	10,000*							35
	65	79.4	186.5	10,000*							40
	70	77.8	185.5	10,000*	81.0	184.8	10,000*				45
	75	76.2	184.3	10,000*	79.4	183.6	10,000*				50
	80	74.5	183.0	10,000*	77.7	182.3	10,000*	80.9	180.3	10,000*	55
	85	72.9	181.5	10,000*	76.1	180.8	10,000*	79.3	178.8	10,000*	60
	90	71.2	179.9	10,000*	74.4	179.2	10,000*	77.6	177.2	10,000*	65
	95	69.6	178.1	10,000*	72.7	177.4	10,000*	75.9	175.3	10,000*	70
	100	67.9	176.1	10,000*	71.0	175.4	10,000*	74.2	173.3	10,000*	75
	105	66.1	174.0	10,000*	69.3	173.3	10,000*	72.4	171.2	10,000*	80
	110	64.4	171.7	10,000*	67.6	171.0	10,000*	70.6	168.8	10,000*	85
	115	62.6	169.2	10,000*	65.8	168.4	10,000*	68.9	166.3	10,000*	90
130	120	59.0	163.6	10,000*	62.2	162.8	10,000*	65.2	160.5	10,000*	100
	125	55.3	157.1	10,000*	58.4	156.3	10,000*	61.3	153.9	10,000*	110
	130	51.3	149.6	10,000*	54.4	148.7	10,000*	57.3	146.2	10,000*	120
	135	47.1	140.9	10,000*	50.2	140.0	10,000*	53.0	137.4	10,000*	130
	140	42.7	130.8	10,000*	45.7	129.9	10,000*	48.4	127.0	10,000*	140
	145	37.8	119.0	10,000*	40.8	117.9	10,000*	43.3	114.7	10,000*	150
	150	32.2	104.6	10,000*	35.2	103.4	10,000*	37.5	99.6	10,000*	160
	155	25.7	86.4	10,000*	28.5	84.9	10,000*				170
	160	17.0	60.7	10,000*							180
	40	80.0	196.7	10,000*							40
	45	78.4	195.7	10,000*							45
	50	76.9	194.6	10,000*	80.0	193.9	10,000*				50
	55	75.4	193.4	10,000*	78.4	192.7	10,000*				55
	60	73.8	192.0	10,000*	76.8	191.3	10,000*	79.9	189.2	10,000*	60
	65	72.2	190.4	10,000*	75.3	189.7	10,000*	78.3	187.6	10,000*	65
	70	70.7	188.7	10,000*	73.7	188.0	10,000*	76.7	185.9	10,000*	70
	75	69.1	186.9	10,000*	72.1	186.2	10,000*	75.1	184.0	10,000*	75
	80	67.5	184.9	10,000*	70.5	184.2	10,000*	73.4	182.0	10,000*	80
	85	65.8	182.7	10,000*	68.8	182.0	10,000*	71.8	179.8	10,000*	85
	90	64.2	180.4	10,000*	67.2	179.6	10,000*	70.1	177.4	10,000*	90
	95	60.8	175.1	10,000*	63.8	174.4	10,000*	66.6	172.1	10,000*	100
	100	57.3	169.1	10,000*	60.3	168.3	10,000*	63.1	165.9	10,000*	110
	105	53.7	162.2	10,000*	56.6	161.4	10,000*	59.4	158.9	10,000*	120
	110	49.9	154.3	10,000*	52.8	153.4	10,000*	55.5	150.8	10,000*	130
	115	45.8	145.2	10,000*	48.7	144.3	10,000*	51.3	141.5	10,000*	140
	120	41.5	134.7	10,000*	44.3	133.7	10,000*	46.8	130.6	10,000*	150
	125	36.7	122.3	10,000*	39.6	121.2	10,000*	41.9	117.8	10,000*	160
	130	31.4	107.4	10,000*	34.1	106.2	10,000*	36.3	102.2	10,000*	170
	135	25.0	88.7	10,000*	27.7	87.1	10,000*				180
	140	16.5	62.1	10,000*							190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
140	40	80.5	206.8	10,000*							40
	45	79.0	205.9	10,000*							45
	50	77.6	204.9	10,000*	80.5	204.2	10,000*				50
	55	76.1	203.7	10,000*		79.0	203.0				55
	60	74.6	202.4	10,000*		77.5	201.7		80.4	199.5	60
	65	73.2	200.9	10,000*		76.0	200.2		78.9	198.1	65
	70	71.7	199.3	10,000*		74.5	198.6		77.4	196.4	70
	75	70.2	197.6	10,000*		73.0	196.8		75.8	194.7	75
	80	68.6	195.7	10,000*		71.5	194.9		74.3	192.8	80
	85	67.1	193.6	10,000*		70.0	192.9		72.7	190.7	85
	90	65.5	191.4	10,000*		68.4	190.7		71.2	188.4	90
	100	62.4	186.5	10,000*		65.2	185.7		67.9	183.4	100
	110	59.1	180.9	10,000*		61.9	180.1		64.6	177.7	110
	120	55.7	174.5	10,000*		58.6	173.6		61.2	171.2	120
	130	52.2	167.2	10,000*		55.0	166.3		57.6	163.7	130
	140	48.5	158.9	10,000*		51.3	157.9		53.8	155.2	140
	150	44.6	149.4	10,000*		47.4	148.4		49.8	145.5	150
	160	40.4	138.4	10,000*		43.1	137.3		45.4	134.2	160
	170	35.8	125.6	10,000*		38.4	124.4		40.6	120.9	170
	180	30.6	110.2	10,000*		33.2	108.9				180
	190	24.4	90.9	10,000*		26.9	89.2				190
	200	16.1	63.5	10,000*							200
150	40	80.9	217.0	10,000*							40
	45	79.5	216.1	10,000*							45
	50	78.2	215.1	10,000*	80.9	214.4	10,000*				50
	55	76.8	214.0	10,000*		79.5	213.3				55
	60	75.4	212.7	10,000*		78.1	212.0		80.9	209.9	60
	65	74.0	211.3	10,000*		76.7	210.6		79.4	208.5	65
	70	72.6	209.8	10,000*		75.3	209.1		78.0	206.9	70
	75	71.1	208.2	10,000*		73.9	207.4		76.6	205.2	75
	80	69.7	206.4	10,000*		72.4	205.6		75.1	203.4	80
	85	68.2	204.5	10,000*		71.0	203.7		73.6	201.5	85
	90	66.8	202.4	10,000*		69.5	201.6		72.1	199.4	90
	100	63.8	197.7	10,000*		66.5	197.0		69.1	194.7	100
	110	60.7	192.5	10,000*		63.4	191.7		66.0	189.3	110
	120	57.6	186.5	10,000*		60.3	185.6		62.8	183.2	120
	130	54.3	179.7	10,000*		57.0	178.8		59.4	176.2	130
	140	50.9	172.0	10,000*		53.5	171.1		55.9	168.4	140
	150	47.3	163.3	10,000*		49.9	162.3		52.3	159.5	150
	160	43.5	153.4	10,000*		46.1	152.4		48.4	149.3	160
	170	39.4	142.0	10,000*		42.0	140.9		44.1	137.6	170
	180	34.9	128.7	10,000*		37.4	127.5		39.5	123.8	180
	190	29.8	112.9	10,000*		32.3	111.5				190
	200	23.8	93.0	10,000*		26.1	91.2				200
	210	15.7	64.9	10,000*							210
160	45	80.0	226.3	10,000*							45
	50	78.7	225.3	10,000*							50
	55	77.4	224.2	10,000*	80.0	223.5	10,000*				55
	60	76.0	223.0	10,000*		78.7	222.3				60
	65	74.7	221.7	10,000*		77.3	221.0		79.9	218.8	65
	70	73.4	220.3	10,000*		76.0	219.6		78.6	217.3	70
	75	72.0	218.7	10,000*		74.6	218.0		77.2	215.8	75
	80	70.6	217.0	10,000*		73.3	216.3		75.8	214.0	80
	85	69.3	215.2	10,000*		71.9	214.4		74.4	212.2	85
	90	67.9	213.2	10,000*		70.5	212.5		73.0	210.2	90
	100	65.1	208.8	10,000*		67.6	208.1		70.1	205.7	100
	110	62.2	203.9	10,000*		64.7	203.1		67.2	200.7	110
	120	59.2	198.2	10,000*		61.8	197.4		64.2	194.9	120
	130	56.1	191.9	10,000*		58.7	191.0		61.1	188.5	130
	140	53.0	184.7	10,000*		55.5	183.8		57.8	181.2	140
	150	49.6	176.7	10,000*		52.2	175.7		54.4	172.9	150
	160	46.1	167.6	10,000*		48.6	166.6		50.9	163.7	160
	170	42.4	157.3	10,000*		44.9	156.3		47.1	153.1	170
	180	38.4	145.5	10,000*		40.9	144.4		42.9	140.9	180
	190	34.1	131.8	10,000*		36.5	130.6		38.4	126.7	190
	200	29.1	115.5	10,000*		31.4	114.0				200
	210	23.2	95.0	9,800		25.5	93.2				210

MANITOWOC ENGINEERING CO.

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888 SERIES 1

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
170	45	80.5	236.4	10,000*							45
	50	79.2	235.5	10,000*							50
	55	77.9	234.5	10,000*	80.5	233.7	10,000*				55
	60	76.7	233.3	10,000*	79.2	232.6	10,000*				60
	65	75.4	232.1	10,000*	77.9	231.3	10,000*	80.4	229.1	10,000*	65
	70	74.1	230.7	10,000*	76.6	230.0	10,000*	79.1	227.7	10,000*	70
	75	72.8	229.2	10,000*	75.3	228.5	10,000*	77.8	226.2	10,000*	75
	80	71.5	227.6	10,000*	74.0	226.8	10,000*	76.5	224.6	10,000*	80
	85	70.2	225.9	10,000*	72.7	225.1	10,000*	75.1	222.8	10,000*	85
	90	68.9	224.0	10,000*	71.4	223.2	10,000*	73.8	220.9	10,000*	90
	100	66.2	219.8	10,000*	68.7	219.0	10,000*	71.1	216.7	10,000*	100
	110	63.5	215.1	10,000*	65.9	214.3	10,000*	68.3	211.9	10,000*	110
	120	60.7	209.8	10,000*	63.1	209.0	10,000*	65.5	206.5	10,000*	120
	130	57.8	203.8	10,000*	60.2	203.0	10,000*	62.5	200.4	10,000*	130
	140	54.8	197.1	10,000*	57.2	196.2	10,000*	59.5	193.6	10,000*	140
	150	51.7	189.6	10,000*	54.1	188.7	10,000*	56.3	185.9	10,000*	150
	160	48.5	181.2	10,000*	50.9	180.3	10,000*	53.0	177.4	10,000*	160
	170	45.1	171.8	10,000*	47.5	170.8	10,000*	49.6	167.7	10,000*	170
	180	41.5	161.1	10,000*	43.8	160.0	10,000*	45.8	156.8	10,000*	180
	190	37.6	149.0	10,000*	39.9	147.8	10,000*	41.8	144.2	10,000*	190
180	200	33.3	134.9	10,000*	35.6	133.5	10,000*	37.4	129.5	10,000*	200
	210	28.5	118.1	9,500	30.7	116.5	9,700				210
	220	22.7	97.1	8,500							220
	45	80.9	246.5	10,000*							45
	50	79.6	245.7	10,000*							50
	55	78.4	244.7	10,000*	80.9	244.0	10,000*				55
180	60	77.2	243.6	10,000*	79.6	242.9	10,000*				60
	65	76.0	242.4	10,000*	78.4	241.7	10,000*	80.8	239.4	10,000*	65
	70	74.8	241.1	10,000*	77.2	240.3	10,000*	79.6	238.1	10,000*	70
	75	73.5	239.7	10,000*	75.9	238.9	10,000*	78.3	236.6	10,000*	75
	80	72.3	238.1	10,000*	74.7	237.4	10,000*	77.1	235.1	10,000*	80
	85	71.1	236.5	10,000*	73.5	235.7	10,000*	75.8	233.4	10,000*	85
	90	69.8	234.7	10,000*	72.2	233.9	10,000*	74.5	231.6	10,000*	90
	100	67.2	230.7	10,000*	69.6	229.9	10,000*	71.9	227.6	10,000*	100
	110	64.6	226.2	10,000*	67.0	225.4	10,000*	69.3	223.0	10,000*	110
	120	62.0	221.2	10,000*	64.4	220.4	10,000*	66.6	217.9	10,000*	120
	130	59.3	215.5	10,000*	61.6	214.7	10,000*	63.8	212.2	10,000*	130
	140	56.5	209.2	10,000*	58.8	208.4	10,000*	61.0	205.7	10,000*	140
	150	53.6	202.2	10,000*	55.9	201.3	10,000*	58.0	198.6	10,000*	150
	160	50.6	194.4	10,000*	52.9	193.4	10,000*	55.0	190.6	10,000*	160
	170	47.4	185.7	10,000*	49.7	184.7	10,000*	51.7	181.7	10,000*	170
	180	44.1	175.9	10,000*	46.4	174.8	10,000*	48.3	171.7	10,000*	180
	190	40.6	164.9	10,000*	42.8	163.7	10,000*	44.7	160.4	10,000*	190
	200	36.8	152.3	10,000*	39.0	151.1	10,000*	40.8	147.4	10,000*	200
	210	32.6	137.8	9,100	34.8	136.4	9,300	36.4	132.3	9,600	210
	220	27.8	120.6	8,000	30.0	119.0	8,300				220
	230	22.2	99.0	7,100							230

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BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
190	50	80.1	255.8	10,000*							50
	55	78.9	254.9	10,000*							55
	60	77.7	253.9	10,000*	80.1	253.1	10,000*				60
	65	76.6	252.7	10,000*	78.9	252.0	10,000*				65
	70	75.4	251.5	10,000*	77.7	250.7	10,000*	80.0	248.4	10,000*	70
	75	74.2	250.1	10,000*	76.5	249.3	10,000*	78.8	247.0	10,000*	75
	80	73.0	248.6	10,000*	75.3	247.8	10,000*	77.6	245.5	10,000*	80
	85	71.8	247.0	10,000*	74.1	246.2	10,000*	76.4	243.9	10,000*	85
	90	70.6	245.3	10,000*	72.9	244.5	10,000*	75.2	242.2	10,000*	90
	100	68.2	241.5	10,000*	70.5	240.7	10,000*	72.7	238.4	10,000*	100
	110	65.7	237.3	10,000*	68.0	236.5	10,000*	70.2	234.0	10,000*	110
	120	63.2	232.5	10,000*	65.5	231.6	10,000*	67.6	229.2	10,000*	120
	130	60.6	227.1	10,000*	62.9	226.3	10,000*	65.0	223.7	10,000*	130
	140	58.0	221.1	10,000*	60.2	220.3	10,000*	62.3	217.7	10,000*	140
	150	55.2	214.5	10,000*	57.5	213.6	10,000*	59.5	210.9	10,000*	150
	160	52.4	207.2	10,000*	54.6	206.2	10,000*	56.7	203.5	10,000*	160
	170	49.5	199.0	10,000*	51.7	198.1	10,000*	53.7	195.1	10,000*	170
	180	46.4	190.0	10,000*	48.6	189.0	10,000*	50.5	185.9	10,000*	180
	190	43.2	179.9	10,000*	45.3	178.8	10,000*	47.2	175.5	10,000*	190
	200	39.7	168.5	9,700	41.9	167.3	10,000*	43.7	163.9	10,000*	200
200	210	36.0	155.6	8,500	38.1	154.3	8,800	39.8	150.5	9,100	210
	220	31.9	140.7	7,500	34.0	139.3	7,800				220
	230	27.3	123.0	6,500	29.3	121.4	6,800				230
	240	21.8	101.0	5,700							240
	50	80.4	266.0	10,000*							50
	55	79.3	265.1	10,000*							55
200	60	78.2	264.1	10,000*	80.4	263.3	10,000*				60
	65	77.1	263.0	10,000*	79.3	262.2	10,000*				65
	70	76.0	261.8	10,000*	78.2	261.0	10,000*	80.4	258.7	10,000*	70
	75	74.8	260.5	10,000*	77.1	259.7	10,000*	79.2	257.4	10,000*	75
	80	73.7	259.0	10,000*	75.9	258.3	10,000*	78.1	255.9	10,000*	80
	85	72.6	257.5	10,000*	74.8	256.7	10,000*	76.9	254.4	10,000*	85
	90	71.4	255.9	10,000*	73.6	255.1	10,000*	75.8	252.7	10,000*	90
	100	69.1	252.3	10,000*	71.3	251.5	10,000*	73.4	249.1	10,000*	100
	110	66.7	248.2	10,000*	68.9	247.4	10,000*	71.0	245.0	10,000*	110
	120	64.3	243.6	10,000*	66.5	242.8	10,000*	68.6	240.3	10,000*	120
	130	61.8	238.5	10,000*	64.0	237.7	10,000*	66.1	235.1	10,000*	130
	140	59.3	232.9	10,000*	61.5	232.0	10,000*	63.5	229.4	10,000*	140
	150	56.7	226.6	10,000*	58.9	225.7	10,000*	60.9	223.0	10,000*	150
	160	54.1	219.7	10,000*	56.2	218.8	10,000*	58.2	216.0	10,000*	160
	170	51.3	212.0	10,000*	53.5	211.1	10,000*	55.4	208.2	10,000*	170
	180	48.5	203.6	10,000*	50.6	202.6	10,000*	52.5	199.6	10,000*	180
	190	45.4	194.2	10,000*	47.6	193.2	10,000*	49.4	190.0	10,000*	190
	200	42.3	183.8	9,200	44.4	182.7	9,600	46.1	179.3	9,900	200
	210	38.9	172.1	8,100	41.0	170.9	8,400	42.7	167.3	8,700	210
	220	35.3	158.8	7,000	37.3	157.5	7,300	38.9	153.6	7,600	220
	230	31.3	143.5	6,100	33.3	142.1	6,400				230
	240	26.7	125.4	5,200	28.7	123.7	5,400				240
	250	21.3	102.9	4,400							250

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
210	50	80.8	276.1	10,000*							50
	55	79.7	275.3	10,000*							55
	60	78.7	274.3	10,000*	80.8	273.5	10,000*				60
	65	77.6	273.2	10,000*	79.7	272.5	10,000*				65
	70	76.5	272.1	10,000*	78.6	271.3	10,000*	80.8	269.0	10,000*	70
	75	75.4	270.8	10,000*	77.5	270.0	10,000*	79.7	267.7	10,000*	75
	80	74.3	269.5	10,000*	76.5	268.7	10,000*	78.6	266.3	10,000*	80
	85	73.2	268.0	10,000*	75.3	267.2	10,000*	77.4	264.8	10,000*	85
	90	72.1	266.4	10,000*	74.2	265.6	10,000*	76.3	263.3	10,000*	90
	100	69.9	263.0	10,000*	72.0	262.2	10,000*	74.1	259.8	10,000*	100
	110	67.6	259.1	10,000*	69.7	258.2	10,000*	71.8	255.8	10,000*	110
	120	65.3	254.7	10,000*	67.4	253.8	10,000*	69.4	251.4	10,000*	120
	130	63.0	249.8	10,000*	65.1	249.0	10,000*	67.1	246.4	10,000*	130
	140	60.6	244.4	10,000*	62.7	243.6	10,000*	64.6	241.0	10,000*	140
	150	58.1	238.5	10,000*	60.2	237.6	10,000*	62.1	234.9	10,000*	150
	160	55.6	231.9	10,000*	57.7	231.0	10,000*	59.6	228.3	10,000*	160
	170	53.0	224.7	10,000*	55.1	223.8	10,000*	56.9	220.9	10,000*	170
	180	50.3	216.8	10,000*	52.3	215.8	10,000*	54.2	212.8	10,000*	180
	190	47.5	208.0	10,000*	49.5	207.0	10,000*	51.3	203.9	10,000*	190
	200	44.6	198.3	8,700	46.6	197.3	9,200	48.3	194.0	9,600	200
220	210	41.5	187.6	7,600	43.5	186.4	8,000	45.1	183.0	8,400	210
	220	38.2	175.5	6,600	40.1	174.3	6,900	41.8	170.6	7,200	220
	230	34.6	161.9	5,700	36.5	160.6	6,000	38.1	156.6	6,200	230
	240	30.7	146.3	4,800	32.6	144.8	5,100				240
	250	26.2	127.7	4,000	28.1	126.0	4,200				250
220	55	80.1	285.4	10,000*							55
	60	79.1	284.5	10,000*							60
	65	78.0	283.5	10,000*	80.1	282.7	10,000*				65
	70	77.0	282.4	10,000*	79.1	281.6	10,000*				70
	75	75.9	281.1	10,000*	78.0	280.4	10,000*	80.0	278.0	10,000*	75
	80	74.9	279.8	10,000*	76.9	279.0	10,000*	79.0	276.7	10,000*	80
	85	73.8	278.4	10,000*	75.9	277.6	10,000*	77.9	275.3	10,000*	85
	90	72.8	276.9	10,000*	74.8	276.1	10,000*	76.8	273.7	10,000*	90
	100	70.6	273.6	10,000*	72.7	272.8	10,000*	74.7	270.4	10,000*	100
	110	68.4	269.8	10,000*	70.5	269.0	10,000*	72.5	266.6	10,000*	110
	120	66.2	265.7	10,000*	68.3	264.8	10,000*	70.2	262.3	10,000*	120
	130	64.0	261.0	10,000*	66.0	260.1	10,000*	68.0	257.6	10,000*	130
	140	61.7	255.8	10,000*	63.7	255.0	10,000*	65.6	252.4	10,000*	140
	150	59.4	250.2	10,000*	61.4	249.3	10,000*	63.3	246.6	10,000*	150
	160	57.0	244.0	10,000*	59.0	243.0	10,000*	60.8	240.3	10,000*	160
	170	54.5	237.1	10,000*	56.5	236.2	10,000*	58.3	233.4	10,000*	170
	180	52.0	229.6	10,000*	54.0	228.7	10,000*	55.7	225.8	10,000*	180
	190	49.3	221.4	9,500	51.3	220.4	10,000*	53.1	217.4	10,000*	190
	200	46.6	212.4	8,300	48.5	211.3	8,800	50.3	208.2	9,200	200
	210	43.7	202.4	7,200	45.7	201.3	7,600	47.3	198.0	8,000	210
	220	40.7	191.3	6,100	42.6	190.2	6,500	44.2	186.6	6,900	220
	230	37.4	179.0	5,200	39.3	177.7	5,600	40.9	173.9	5,800	230
	240	34.0	165.0	4,400	35.8	163.6	4,700	37.3	159.5	4,900	240

MANITOWOC ENGINEERING CO.

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JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 22E WITH LIGHT TAPERED TOP
144,100 LB. COUNTERWEIGHT
28'2" CRAWLERS EXTENDED
360 DEGREE RATING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
230	55	80.4	295.6	10,000*							55
	60	79.4	294.7	10,000*							60
	65	78.4	293.7	10,000*	80.4	292.9	10,000*				65
	70	77.4	292.6	10,000*	79.4	291.8	10,000*				70
	75	76.4	291.4	10,000*	78.4	290.7	10,000*	80.4	288.3	10,000*	75
	80	75.4	290.2	10,000*	77.4	289.4	10,000*	79.4	287.0	10,000*	80
	85	74.4	288.8	10,000*	76.4	288.0	10,000*	78.3	285.6	10,000*	85
	90	73.4	287.4	10,000*	75.4	286.6	10,000*	77.3	284.2	10,000*	90
	100	71.3	284.2	10,000*	73.3	283.4	10,000*	75.2	280.9	10,000*	100
	110	69.2	280.6	10,000*	71.2	279.7	10,000*	73.1	277.3	10,000*	110
	120	67.1	276.5	10,000*	69.1	275.7	10,000*	71.0	273.2	10,000*	120
	130	65.0	272.1	10,000*	66.9	271.2	10,000*	68.8	268.7	10,000*	130
	140	62.8	267.2	10,000*	64.7	266.3	10,000*	66.6	263.7	10,000*	140
	150	60.5	261.7	10,000*	62.5	260.9	10,000*	64.3	258.2	10,000*	150
	160	58.2	255.8	10,000*	60.2	254.9	10,000*	62.0	252.2	10,000*	160
	170	55.9	249.3	10,000*	57.8	248.4	10,000*	59.6	245.6	10,000*	170
	180	53.5	242.2	10,000*	55.4	241.3	10,000*	57.2	238.4	10,000*	180
	190	51.0	234.4	9,000	52.9	233.5	9,600	54.6	230.5	10,000*	190
	200	48.4	225.9	7,800	50.3	224.9	8,300	52.0	221.8	8,700	200
	210	45.7	216.6	6,600	47.6	215.5	7,100	49.3	212.3	7,500	210
	220	42.9	206.3	5,600	44.8	205.2	6,000	46.4	201.8	6,400	220
	230	39.9	195.0	4,700	41.8	193.8	5,000	43.3	190.2	5,400	230
	240				38.6	181.0	4,200	40.1	177.1	4,400	240
240	55	80.8	305.7	10,000*							55
	60	79.8	304.8	10,000*							60
	65	78.8	303.9	10,000*	80.8	303.1	10,000*				65
	70	77.9	302.9	10,000*	79.8	302.1	10,000*				70
	75	76.9	301.7	10,000*	78.8	300.9	10,000*	80.7	298.6	10,000*	75
	80	75.9	300.5	10,000*	77.8	299.7	10,000*	79.7	297.3	10,000*	80
	85	74.9	299.2	10,000*	76.9	298.4	10,000*	78.7	296.0	10,000*	85
	90	73.9	297.8	10,000*	75.9	297.0	10,000*	77.7	294.6	10,000*	90
	100	72.0	294.7	10,000*	73.9	293.9	10,000*	75.7	291.5	10,000*	100
	110	69.9	291.2	10,000*	71.9	290.4	10,000*	73.7	288.0	10,000*	110
	120	67.9	287.4	10,000*	69.8	286.5	10,000*	71.6	284.0	10,000*	120
	130	65.8	283.1	10,000*	67.7	282.2	10,000*	69.5	279.7	10,000*	130
	140	63.7	278.4	10,000*	65.6	277.5	10,000*	67.4	274.9	10,000*	140
	150	61.6	273.2	10,000*	63.5	272.3	10,000*	65.3	269.7	10,000*	150
	160	59.4	267.5	10,000*	61.3	266.6	10,000*	63.0	263.9	10,000*	160
	170	57.2	261.3	10,000*	59.0	260.4	10,000*	60.8	257.6	10,000*	170
	180	54.9	254.6	9,900	56.7	253.6	10,000*	58.4	250.8	10,000*	180
	190	52.5	247.2	8,500	54.4	246.2	9,100	56.0	243.3	9,700	190
	200	50.1	239.2	7,300	51.9	238.1	7,800	53.6	235.1	8,300	200
	210	47.6	230.4	6,100	49.4	229.3	6,600	51.0	226.2	7,100	210
	220	44.9	220.8	5,100	46.7	219.7	5,600	48.3	216.4	6,000	220
	230	42.2	210.2	4,200	44.0	209.1	4,600	45.5	205.6	4,900	230
	240							42.5	193.6	4,000	240
250	60	80.1	315.0	10,000*							60
	65	79.2	314.1	10,000*							65
	70	78.3	313.1	10,000*	80.1	312.3	10,000*				70
	75	77.3	312.0	10,000*	79.2	311.2	10,000*	81.0	308.8	10,000*	75
	80	76.4	310.8	10,000*	78.2	310.0	10,000*	80.1	307.6	10,000*	80
	85	75.4	309.5	10,000*	77.3	308.7	10,000*	79.1	306.3	10,000*	85
	90	74.5	308.2	10,000*	76.3	307.4	10,000*	78.2	305.0	10,000*	90
	100	72.6	305.2	10,000*	74.4	304.4	10,000*	76.2	302.0	10,000*	100
	110	70.6	301.9	10,000*	72.5	301.0	10,000*	74.3	298.6	10,000*	110
	120	68.7	298.1	10,000*	70.5	297.3	10,000*	72.3	294.8	10,000*	120
	130	66.7	294.0	10,000*	68.5	293.2	10,000*	70.3	290.6	10,000*	130
	140	64.6	289.5	10,000*	66.5	288.6	10,000*	68.2	286.0	10,000*	140
	150	62.6	284.5	10,000*	64.4	283.6	10,000*	66.1	281.0	10,000*	150
	160	60.5	279.1	10,000*	62.3	278.2	10,000*	64.0	275.5	10,000*	160
	170	58.4	273.1	10,000*	60.2	272.2	10,000*	61.8	269.5	10,000*	170
	180	56.2	266.7	9,600	58.0	265.7	10,000*	59.6	262.9	10,000*	180
	190	53.9	259.7	8,200	55.7	258.7	8,800	57.3	255.8	9,400	190
	200	51.6	252.1	6,900	53.4	251.1	7,500	55.0	248.1	8,000	200
	210	49.2	243.8	5,800	51.0	242.7	6,300	52.6	239.6	6,800	210
	220	46.7	234.7	4,800	48.5	233.7	5,200	50.0	230.4	5,700	220
	230				45.9	223.7	4,300	47.4	220.4	4,600	230