

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 6824-B. CAPACITIES FOR VARIOUS BOOM LENGTHS, JIB LENGTHS AND JIB OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

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

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH GANTRY UP. REFER TO BOOM RIGGING NO. 65234, JIB ASSEMBLY NO. 181869 AND WIRE ROPE SPECIFICATION CHART NO. 6495-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, TRAVEL, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION TO THE CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS THE ANGLE BETWEEN HORIZONTAL AND CENTERLINE OF BOOM BUTT AND INSERTS, AND IS AN INDICATION OF OPERATING RADIUS. IN ALL CASES, OPERATING RADIUS SHALL GOVERN CAPACITY. JIB POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF JIB POINT SHAFT.

MACHINE EQUIPPED WITH 30'5" CRAWLERS, 60" TREADS, 33' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, AND 123,000 LB. COUNTERWEIGHT WITH COUNTERWEIGHT ASSEMBLY NO. 190821 (120,000 LB. COUNTERWEIGHT WITH COUNTERWEIGHT ASSEMBLY NO. 49667).

MAXIMUM CAPACITY ON 1-1/4" - 6 X 31 EEIPS, IWRC IS 44,000 LBS. PER LINE.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			
OVER FRONT OF BLOCKED CRAWLERS		OVER SIDE OF CRAWLERS	
BOOM LGTH.	JIB NO. 125	BOOM LGTH.	JIB NO. 125
310'	---	290'	---
300'	---	280'	---
290'	---	270'	---
280'	40'	260'	60'
270'	60'	250'	80'
260'	80'		
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. TO COMPLY WITH B30.5 REQUIREMENTS, INSERT NO. 49682 CANNOT BE USED ON 310' BOOM.			

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
120	40	81.0	165.4	88,000*	80.8	163.6	88,000*				40
	45	79.2	164.2	88,000*							45
	50	77.3	162.9	88,000*	79.0	162.2	88,000*				50
	55	75.4	161.4	88,000*	77.1	160.7	87,000*	79.4	158.9	57,500*	55
	60	73.5	159.7	88,000*	75.2	159.0	81,800*	77.5	157.2	54,900*	60
	65	71.6	157.8	88,000*	73.3	157.2	77,100*	75.5	155.3	52,500*	65
	70	69.7	155.8	88,000*	71.3	155.1	73,000*	73.6	153.2	50,300*	70
	75	67.7	153.5	83,700*	69.4	152.8	69,300*	71.6	150.9	48,300*	75
	80	65.7	151.0	78,900*	67.4	150.3	65,900*	69.5	148.3	46,500*	80
	85	63.7	148.3	74,600*	65.3	147.6	62,900*	67.5	145.6	44,900*	85
	90	61.6	145.4	70,700*	63.2	144.7	60,200*	65.3	142.6	43,400*	90
	95	59.5	142.2	66,000*	61.1	141.4	57,700*	63.2	139.3	42,000*	95
	100	57.3	138.8	61,400*	58.9	138.0	55,500*	60.9	135.8	40,700*	100
	110	52.8	130.9	53,600*	54.3	130.1	51,500*	56.3	127.8	38,400*	110
	120	47.9	121.7	47,200*	49.4	120.8	47,600*				120
	130	42.6	110.6	41,800*							130

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BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
130	45	79.8	174.5	88,000*	79.6	172.6	88,000*				45
	50	78.1	173.3	88,000*							50
	55	76.3	171.8	88,000*	77.9	171.2	88,000*	80.1	169.3	58,500*	55
	60	74.6	170.3	88,000*	76.1	169.6	84,200*	78.3	167.7	55,900*	60
	65	72.8	168.5	88,000*	74.3	167.8	79,600*	76.5	165.9	53,600*	65
	70	71.0	166.6	88,000*	72.5	165.9	75,400*	74.6	164.0	51,400*	70
	75	69.1	164.5	87,600*	70.7	163.8	71,700*	72.8	161.8	49,500*	75
	80	67.3	162.2	82,600*	68.8	161.5	68,300*	70.9	159.5	47,700*	80
	85	65.4	159.7	76,200*	66.9	159.0	65,300*	69.0	156.9	46,100*	85
	90	63.5	157.0	70,300*	65.0	156.2	62,500*	67.0	154.2	44,600*	90
	95	61.5	154.1	65,100*	63.0	153.3	60,000*	65.0	151.2	43,200*	95
	100	59.5	150.9	60,500*	61.0	150.1	57,700*	63.0	147.9	41,900*	100
	110	55.4	143.8	52,600*	56.9	142.9	53,200*	58.7	140.7	39,600*	110
	120	51.0	135.5	46,200*	52.4	134.6	46,700*				120
	130	46.3	125.7	40,900*	47.7	124.8	41,300*				130
	140	41.1	114.1	36,300*							140
140	45	80.4	184.7	88,000*							45
	50	78.8	183.6	88,000*	80.2	182.9	88,000*				50
	55	77.1	182.2	88,000*	78.6	181.5	88,000*	80.7	179.6	59,400*	55
	60	75.4	180.8	88,000*	76.9	180.1	86,600*	79.0	178.1	56,900*	60
	65	73.8	179.1	88,000*	75.2	178.4	81,900*	77.3	176.5	54,600*	65
	70	72.1	177.3	88,000*	73.5	176.6	77,700*	75.5	174.6	52,500*	70
	75	70.4	175.4	88,000*	71.8	174.6	74,000*	73.8	172.6	50,600*	75
	80	68.6	173.2	82,400*	70.1	172.5	70,600*	72.0	170.5	48,800*	80
	85	66.9	170.9	75,600*	68.3	170.1	67,500*	70.3	168.1	47,200*	85
	90	65.1	168.4	69,700*	66.5	167.6	64,700*	68.4	165.5	45,700*	90
	95	63.3	165.6	64,500*	64.7	164.9	62,100*	66.6	162.7	44,300*	95
	100	61.4	162.7	59,900*	62.8	161.9	59,800*	64.7	159.8	43,000*	100
	110	57.6	156.2	52,000*	59.0	155.3	52,600*	60.8	153.1	40,700*	110
	120	53.6	148.6	45,600*	55.0	147.7	46,100*	56.8	145.3	38,700*	120
	130	49.4	139.8	40,200*	50.7	138.9	40,700*				130
	140	44.9	129.6	35,700*	46.2	128.6	36,100*				140
	150	39.9	117.5	31,800*							150
150	45	80.9	194.9	88,000*							45
	50	79.4	193.8	88,000*	80.8	193.1	88,000*				50
	55	77.8	192.6	88,000*	79.2	191.9	88,000*				55
	60	76.2	191.2	88,000*	77.6	190.5	88,000*	79.6	188.5	57,800*	60
	65	74.7	189.7	88,000*	76.1	188.9	84,100*	78.0	187.0	55,500*	65
	70	73.1	188.0	88,000*	74.5	187.2	79,900*	76.4	185.2	53,500*	70
	75	71.5	186.1	88,000*	72.8	185.4	76,200*	74.7	183.4	51,600*	75
	80	69.8	184.1	81,500*	71.2	183.3	72,800*	73.1	181.3	49,800*	80
	85	68.2	181.9	74,700*	69.6	181.1	69,600*	71.4	179.1	48,200*	85
	90	66.5	179.6	68,800*	67.9	178.8	66,800*	69.7	176.7	46,700*	90
	95	64.8	177.0	63,600*	66.2	176.2	64,200*	68.0	174.1	45,300*	95
	100	63.1	174.3	59,000*	64.5	173.5	59,800*	66.2	171.3	44,000*	100
	110	59.6	168.2	51,100*	60.9	167.4	51,800*	62.6	165.2	41,700*	110
	120	55.9	161.2	44,700*	57.2	160.4	45,300*	58.9	158.0	39,700*	120
	130	52.0	153.3	39,300*	53.3	152.3	39,800*	54.9	149.9	37,900*	130
	140	47.9	144.1	34,800*	49.2	143.1	35,200*				140
	150	43.5	133.4	30,900*	44.7	132.3	31,200*				150
	160	38.7	120.8	27,500*							160

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		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
160	50	79.9	204.1	88,000*	79.8	202.2	88,000*	80.1	198.9	58,600*	50
	55	78.4	202.9	88,000*	78.3	200.9	88,000*	78.6	197.4	56,400*	55
	60	76.9	201.6	88,000*	76.8	199.4	86,200*	77.1	195.8	54,400*	60
	65	75.5	200.1	88,000*	75.3	197.8	82,000*	75.8	194.0	52,500*	65
	70	73.9	198.5	88,000*	73.7	196.0	78,200*	74.0	192.1	50,800*	70
	75	72.4	196.8	88,000*	72.2	194.1	74,800*	72.4	190.0	49,200*	75
	80	70.9	194.9	81,300	70.6	192.1	71,700*	70.8	187.7	47,700*	80
	85	69.3	192.8	74,500	69.1	189.8	68,800*	69.2	185.3	46,300*	85
	90	67.8	190.6	68,600	67.5	187.4	64,300	67.6	182.7	45,000*	90
	95	66.2	188.2	63,400	65.9	184.9	59,600	64.2	177.0	42,700*	95
	100	64.6	185.7	58,800	62.6	179.2	51,600	60.7	170.4	40,600*	100
	110	61.3	180.0	50,900	59.1	172.7	45,100	57.1	162.9	38,800*	110
	120	57.9	173.5	44,400	55.5	165.3	39,600				120
	130	54.3	166.2	39,100	51.8	156.8	35,000				130
170	50	80.4	214.3	88,000*	80.3	212.4	88,000*	80.6	209.2	59,400*	50
	55	79.0	213.2	88,000*	78.9	211.2	88,000*	79.2	207.8	57,200*	55
	60	77.6	211.9	88,000*	77.4	209.8	88,000*	77.7	206.3	55,200*	60
	65	76.2	210.6	88,000*	76.0	208.3	84,000*	76.3	204.6	53,400*	65
	70	74.7	209.0	88,000*	73.1	204.8	76,800*	74.8	202.8	51,700*	70
	75	73.3	207.4	88,000*	71.6	202.9	73,600*	73.3	200.8	50,100*	75
	80	71.9	205.6	80,400	70.1	200.8	68,800	71.8	198.7	48,600*	80
	85	70.4	203.6	73,700	68.6	198.5	63,500	70.3	196.4	47,200*	85
	90	68.9	201.5	67,800	67.1	196.1	58,800	68.8	193.9	45,900*	90
	95	67.4	199.3	62,500	64.0	190.8	50,800	65.6	188.5	43,600*	95
	100	65.9	196.9	57,900	60.8	184.7	44,200	62.4	182.4	41,500*	100
	110	62.8	191.6	50,000	57.5	177.8	38,800	59.0	175.4	39,500	110
	120	59.6	185.5	43,600	54.0	170.0	34,200	55.5	167.5	34,800	120
	130	56.3	178.7	38,200	50.4	161.2	30,200				130
180	50	80.8	224.5	88,000*	80.7	222.7	88,000*	81.1	219.5	60,100*	50
	55	79.5	223.4	88,000*	79.4	221.5	88,000*	79.7	218.2	58,000*	55
	60	78.2	222.3	88,000*	78.0	220.2	88,000*	78.3	216.7	56,000*	60
	65	76.8	220.9	88,000*	76.7	218.7	85,900*	76.9	215.1	54,200*	65
	70	75.5	219.5	88,000*	75.3	217.2	82,100*	75.5	213.4	52,500*	70
	75	74.1	217.9	87,700	73.9	215.4	78,600*	74.1	211.5	50,900*	75
	80	72.7	216.2	79,900	72.5	213.6	74,200	72.7	209.5	49,500*	80
	85	71.3	214.4	73,100	71.1	211.6	68,200	71.3	207.3	48,100*	85
	90	69.9	212.4	67,200	69.7	209.5	62,900	69.8	205.0	46,800*	90
	95	68.5	210.3	61,900	65.3	202.2	58,200	66.9	199.9	44,500*	95
	100	67.1	208.0	57,300	62.3	196.5	50,200	63.8	194.2	42,400*	100
	110	64.2	203.0	49,400	59.2	190.0	43,600	60.7	187.7	39,000	110
	120	61.2	197.3	43,000	56.0	182.8	38,200	57.4	180.3	34,200	120
	130	58.1	190.9	37,600	52.6	174.6	33,600				130
180	140	54.9	183.7	33,000	49.1	165.4	29,600				140
	150	51.5	175.6	29,100	45.3	154.9	26,200				150
	160	48.0	166.4	25,800			23,200				160
	170	44.2	156.0	22,800							170
	180	40.2	144.1	20,200							180

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BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
190	55	80.0	233.7	88,000*	79.8	231.8	88,000*				55
	60	78.7	232.5	88,000*							60
	65	77.4	231.3	88,000*	78.6	230.5	88,000*	80.2	228.5	58,700*	65
	70	76.1	229.9	88,000*	77.3	229.1	87,700*	78.9	227.1	56,800*	70
	75	74.8	228.4	86,900	76.0	227.6	83,900*	77.5	225.6	55,000*	75
	80	73.5	226.8	79,000	74.6	226.0	80,300	76.2	223.9	53,300*	80
	85	72.2	225.0	72,200	73.3	224.2	73,500	74.9	222.1	51,800*	85
	90	70.8	223.2	66,300	72.0	222.4	67,400	73.5	220.2	50,300*	90
	95	69.5	221.1	61,100	70.6	220.3	62,100	72.2	218.2	48,900*	95
	100	68.1	219.0	56,400	69.3	218.2	57,400	70.8	216.0	47,700*	100
	110	65.4	214.2	48,500	66.5	213.4	49,400	68.0	211.2	45,300*	110
	120	62.6	208.9	42,100	63.7	208.0	42,800	65.1	205.8	43,300*	120
	130	59.7	202.9	36,700	60.7	202.0	37,400	62.2	199.6	38,200	130
	140	56.6	196.1	32,200	57.7	195.2	32,700	59.1	192.8	33,500	140
	150	53.5	188.6	28,300	54.6	187.6	28,800	55.9	185.1	29,400	150
	160	50.3	180.1	24,900	51.3	179.1	25,300				160
	170	46.8	170.6	21,900	47.8	169.5	22,300				170
	180	43.2	159.8	19,300							180
	190	39.2	147.5	17,000							190
200	55	80.4	243.9	88,000*	80.3	242.0	88,000*				55
	60	79.2	242.8	88,000*							60
	65	77.9	241.6	88,000*	79.1	240.8	88,000*	80.6	238.8	59,400*	65
	70	76.7	240.3	88,000*	77.8	239.5	88,000*	79.3	237.4	57,500*	70
	75	75.5	238.9	87,000*	76.6	238.1	85,600*	78.1	236.0	55,700*	75
	80	74.2	237.3	79,200	75.3	236.5	80,500	76.8	234.4	54,100*	80
	85	73.0	235.6	72,400	74.0	234.8	73,600	75.5	232.7	52,500*	85
	90	71.7	233.8	66,500	72.8	233.0	67,600	74.3	230.9	51,100*	90
	95	70.4	231.9	61,300	71.5	231.1	62,300	73.0	229.0	49,700*	95
	100	69.1	229.9	56,600	70.2	229.1	57,600	71.7	226.9	48,500*	100
	110	66.5	225.4	48,700	67.6	224.5	49,600	69.0	222.3	46,100*	110
	120	63.8	220.3	42,300	64.9	219.4	43,000	66.3	217.2	44,000	120
	130	61.1	214.6	36,900	62.1	213.7	37,500	63.5	211.4	38,400	130
	140	58.2	208.3	32,300	59.3	207.4	32,900	60.6	205.0	33,700	140
	150	55.3	201.2	28,400	56.3	200.3	29,000	57.6	197.8	29,600	150
	160	52.3	193.3	25,100	53.3	192.3	25,500				160
	170	49.1	184.5	22,100	50.1	183.5	22,500				170
	180	45.7	174.6	19,500	46.7	173.5	19,800				180
	190	42.2	163.5	17,200							190
	200	38.3	150.8	15,100							200
210	55	80.8	254.1	88,000*	80.7	252.3	88,000*				55
	60	79.6	253.0	88,000*							60
	65	78.4	251.9	88,000*	79.5	251.1	88,000*	81.0	249.0	60,000*	65
	70	77.3	250.6	88,000*	78.3	249.9	88,000*	79.8	247.8	58,200*	70
	75	76.1	249.3	86,300	77.1	248.5	87,300*	78.6	246.4	56,400*	75
	80	74.9	247.8	78,400	75.9	247.0	79,800	77.4	244.9	54,800*	80
	85	73.7	246.2	71,600	74.7	245.4	72,900	76.2	243.3	53,300*	85
	90	72.5	244.5	65,700	73.5	243.7	66,900	74.9	241.5	51,800*	90
	95	71.2	242.6	60,400	72.3	241.8	61,500	73.7	239.7	50,500*	95
	100	70.0	240.7	55,800	71.0	239.9	56,800	72.4	237.7	49,200*	100
	110	67.5	236.4	47,900	68.5	235.6	48,800	69.9	233.4	46,900*	110
	120	65.0	231.6	41,400	66.0	230.7	42,200	67.3	228.5	43,300	120
	130	62.4	226.2	36,100	63.4	225.3	36,700	64.7	223.0	37,700	130
	140	59.7	220.2	31,500	60.7	219.3	32,100	62.0	216.9	32,900	140
	150	56.9	213.5	27,600	57.9	212.6	28,200	59.2	210.1	28,900	150
	160	54.1	206.1	24,200	55.0	205.2	24,700	56.3	202.6	25,300	160
	170	51.1	197.9	21,300	52.1	196.9	21,700				170
	180	48.0	188.8	18,600	48.9	187.7	19,000				180
	190	44.7	178.6	16,300	45.6	177.5	16,700				190
	200	41.2	167.1	14,200							200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
220	60	80.0	263.3	88,000*	81.0	262.5	88,000*				60
	65	78.9	262.2	88,000*	79.9	261.4	88,000*				65
	70	77.8	261.0	88,000*	78.8	260.2	88,000*	80.2	258.1	58,800*	70
	75	76.6	259.6	85,700	77.6	258.8	87,200	79.0	256.7	57,100*	75
	80	75.5	258.2	77,800	76.5	257.4	79,200	77.9	255.3	55,500*	80
	85	74.3	256.7	71,000	75.3	255.9	72,300	76.7	253.8	54,000*	85
	90	73.2	255.1	65,100	74.2	254.2	66,300	75.5	252.1	52,500*	90
	95	72.0	253.3	59,800	73.0	252.5	61,000	74.4	250.3	51,200*	95
	100	70.8	251.4	55,200	71.8	250.6	56,200	73.2	248.4	50,000*	100
	110	68.4	247.3	47,300	69.4	246.5	48,200	70.8	244.3	47,600*	110
	120	66.0	242.7	40,800	67.0	241.9	41,600	68.3	239.6	42,700*	120
	130	63.5	237.6	35,400	64.5	236.7	36,200	65.8	234.4	37,100*	130
230	140	61.0	231.9	30,900	62.0	231.0	31,500	63.2	228.7	32,400*	140
	150	58.4	225.6	27,000	59.3	224.7	27,600	60.6	222.3	28,300*	150
	160	55.7	218.7	23,600	56.6	217.7	24,100	57.8	215.2	24,800*	160
	170	52.9	211.0	20,600	53.8	210.0	21,100	55.0	207.4	21,700*	170
	180	50.0	202.4	18,000	50.9	201.4	18,400				180
	190	47.0	193.0	15,700	47.9	191.9	16,100				190
	200	43.8	182.4	13,600	44.7	181.3	13,900				200
	210	40.4	170.6	11,700							210
	220										220
	230										230
	240										240
240	60	80.4	273.5	88,000*	80.3	271.6	88,000*	80.6	268.3	59,400*	60
	65	79.3	272.4	88,000*	79.2	270.5	88,000*	79.5	267.1	57,700*	65
	70	78.2	271.3	88,000*	78.1	269.2	86,500	78.3	265.7	56,100*	70
	75	77.1	270.0	84,900	77.0	267.8	86,500	77.2	264.2	54,600*	75
	80	76.0	268.6	77,100	75.9	266.3	71,600	76.1	262.6	53,200*	80
	85	74.9	267.2	70,200	74.8	264.8	65,600	75.0	260.9	51,900*	85
	90	73.8	265.6	64,300	73.7	263.1	60,200	73.8	259.1	50,600*	90
	95	72.7	263.9	59,000	72.5	261.3	55,500	71.5	255.1	48,300*	95
	100	71.6	262.1	54,400	70.2	257.4	47,400	69.2	250.7	42,000*	100
	110	69.3	258.2	46,500	67.9	252.9	40,900	66.8	245.7	36,400*	110
	120	67.0	253.8	40,000	65.5	248.0	35,400	64.3	240.2	31,600*	120
	130	64.6	248.9	34,600	63.1	242.6	30,700	61.8	234.2	27,600*	130
250	140	62.2	243.5	30,000	60.6	236.6	26,800	59.2	227.5	24,000*	140
	150	59.7	237.5	26,100	58.1	230.0	23,300	56.6	220.1	20,900*	150
	160	57.2	230.9	22,800	55.4	222.7	20,300				160
	170	54.5	223.7	19,800	52.7	214.7	17,600				170
	180	51.8	215.7	17,200	49.9	205.8	15,200				180
	190	49.0	206.9	14,800	46.9	196.0	13,100				190
	200	46.0	197.1	12,800							200
	210	42.9	186.2	10,900							210
	220	39.5	174.0	9,200							220
	230										230
	240										240
260	60	80.7	283.7	88,000*	80.7	281.8	88,000*	80.9	278.6	59,900*	60
	65	79.7	282.6	88,000*	79.6	280.7	88,000*	79.9	277.4	58,300*	65
	70	78.6	281.5	88,000*	78.5	279.5	86,200	78.8	276.1	56,700*	70
	75	77.6	280.3	84,600	77.5	278.2	78,200	77.7	274.6	55,300*	75
	80	76.5	279.0	76,700	76.4	276.8	71,300	76.6	273.1	53,900*	80
	85	75.5	277.6	69,900	75.3	275.3	65,300	75.5	271.5	52,600*	85
	90	74.4	276.1	64,000	74.3	273.6	59,900	74.4	269.7	51,300*	90
	95	73.3	274.5	58,700	73.2	271.9	55,200	72.2	265.9	48,500*	95
	100	72.2	272.7	54,000	71.0	268.1	47,100	70.0	261.7	41,700*	100
	110	70.1	269.0	46,100	68.8	263.9	40,500	67.7	256.9	36,100*	110
	120	67.8	264.8	39,700	66.5	259.2	35,100	65.4	251.7	31,300*	120
	130	65.6	260.1	34,300	64.2	254.0	30,400	63.0	245.9	27,300*	130
270	140	63.3	254.9	29,700	61.8	248.3	26,400	60.5	239.6	23,700*	140
	150	60.9	249.2	25,800	59.4	242.0	23,000	58.0	232.6	20,600*	150
	160	58.5	243.0	22,400	56.9	235.1	20,000	55.4	224.9	17,900*	160
	170	56.0	236.1	19,400	54.3	227.6	17,300				170
	180	53.5	228.6	16,800	51.6	219.2	14,900				180
	190	50.8	220.3	14,500	48.9	210.1	12,800				190
	200	48.0	211.2	12,400	45.9	200.0	10,900				200
	210	45.1	201.1	10,500							210
	220	42.0	189.9	8,800							220
	230	38.8	177.4	7,300							230
	240										240
	250										250

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
250	60	81.1	293.8	88,000*	81.0	292.0	88,000*				60
	65	80.1	292.9	88,000*							65
	70	79.0	291.8	88,000*	80.0	291.0	88,000*				70
	75	78.0	290.6	83,800	78.9	289.8	85,500	80.2	287.7	58,800*	75
	80	77.0	289.3	76,000	77.9	288.5	77,500	79.2	286.4	57,300*	80
	85	76.0	288.0	69,100	76.9	287.2	70,600	78.1	285.0	55,800*	85
	90	75.0	286.5	63,200	75.9	285.7	64,500	77.1	283.5	54,500*	90
	95	73.9	285.0	57,900	74.8	284.2	59,200	76.1	282.0	53,200*	95
	100	72.9	283.3	53,300	73.8	282.5	54,400	75.0	280.3	51,900*	100
	110	70.8	279.7	45,300	71.7	278.9	46,400	72.9	276.6	47,800	110
	120	68.7	275.7	38,900	69.5	274.8	39,800	70.7	272.6	41,000	120
	130	66.5	271.2	33,500	67.4	270.3	34,300	68.5	268.0	35,400	130
	140	64.3	266.3	28,900	65.2	265.4	29,600	66.3	263.0	30,600	140
	150	62.0	260.8	25,000	62.9	259.9	25,700	64.0	257.5	26,500	150
	160	59.7	254.8	21,600	60.6	253.9	22,200	61.7	251.5	23,000	160
	170	57.4	248.3	18,600	58.2	247.4	19,200	59.3	244.8	19,900	170
	180	54.9	241.2	16,000	55.8	240.2	16,500	56.8	237.6	17,100	180
	190	52.4	233.3	13,700	53.3	232.3	14,100				190
	200	49.8	224.8	11,600	50.6	223.7	12,000				200
	210	47.1	215.4	9,700	47.9	214.3	10,100				210
260	220	44.3	205.0	8,000	45.0	203.9	8,300				220
	230	41.3	193.5	6,500							230
	240	38.0	180.7	5,100							240
	65	80.4	303.1	88,000*							65
	70	79.4	302.0	88,000*	80.3	301.2	88,000*				70
	75	78.4	300.9	83,300	79.3	300.1	85,000	80.6	297.9	59,400*	75
	80	77.5	299.7	75,400	78.3	298.8	77,000	79.6	296.7	57,900*	80
	85	76.5	298.4	68,600	77.3	297.5	70,100	78.6	295.4	56,400*	85
	90	75.5	297.0	62,600	76.4	296.1	64,000	77.6	294.0	55,100*	90
	95	74.5	295.5	57,300	75.4	294.6	58,600	76.5	292.4	53,800*	95
	100	73.5	293.9	52,700	74.3	293.0	53,900	75.5	290.8	52,600*	100
	110	71.5	290.4	44,700	72.3	289.5	45,800	73.5	287.3	47,200	110
	120	69.4	286.5	38,200	70.3	285.6	39,200	71.4	283.4	40,500	120
	130	67.3	282.2	32,800	68.2	281.3	33,700	69.3	279.0	34,800	130
	140	65.2	277.5	28,300	66.1	276.6	29,000	67.2	274.2	30,100	140
	150	63.1	272.3	24,400	63.9	271.3	25,100	65.0	269.0	26,000	150
	160	60.9	266.6	21,000	61.7	265.6	21,600	62.8	263.2	22,400	160
	170	58.6	260.3	18,000	59.4	259.4	18,600	60.5	256.9	19,300	170
	180	56.3	253.5	15,400	57.1	252.6	15,900	58.1	250.0	16,600	180
	190	53.9	246.1	13,000	54.7	245.1	13,500	55.7	242.5	14,100	190
	200	51.5	238.0	11,000	52.3	237.0	11,400				200
	210	48.9	229.2	9,100	49.7	228.1	9,500				210
	220	46.2	219.5	7,400	47.0	218.4	7,700				220
270	230	43.5	208.9	5,800							230
	240	40.5	197.1	4,400							240
	65	80.7	313.2	88,000*							65
	70	79.8	312.2	88,000*	80.6	311.4	88,000*				70
	75	78.8	311.1	82,500	79.7	310.3	84,300	80.9	308.2	59,900*	75
	80	77.9	310.0	74,600	78.7	309.1	76,300	79.9	307.0	58,400*	80
	85	76.9	308.7	67,800	77.8	307.9	69,400	78.9	305.7	57,000*	85
	90	76.0	307.3	61,800	76.8	306.5	63,300	78.0	304.3	55,600*	90
	95	75.0	305.9	56,600	75.8	305.1	57,900	77.0	302.9	54,400*	95
	100	74.0	304.4	51,900	74.9	303.5	53,200	76.0	301.3	53,100*	100
	110	72.1	301.0	43,900	72.9	300.2	45,100	74.1	297.9	46,600	110
	120	70.1	297.3	37,500	70.9	296.4	38,500	72.1	294.2	39,800	120
	130	68.1	293.1	32,000	68.9	292.3	32,900	70.0	290.0	34,100	130
	140	66.1	288.6	27,500	66.9	287.7	28,300	68.0	285.4	29,300	140
	150	64.0	283.6	23,500	64.8	282.7	24,300	65.9	280.3	25,200	150
	160	61.9	278.1	20,200	62.7	277.2	20,800	63.8	274.8	21,700	160
	170	59.7	272.2	17,200	60.5	271.2	17,800	61.6	268.7	18,600	170
	180	57.5	265.7	14,600	58.3	264.7	15,100	59.3	262.2	15,800	180
	190	55.3	258.6	12,200	56.1	257.6	12,700	57.0	255.0	13,400	190
	200	52.9	251.0	10,100	53.7	249.9	10,600	54.7	247.2	11,200	200
	210	50.5	242.6	8,300	51.3	241.6	8,700				210
	220	48.0	233.5	6,600	48.8	232.4	6,900				220
	230	45.4	223.6	5,000	46.2	222.4	5,300				230

MANITOWOC ENGINEERING CO.

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LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
280	65	81.0	323.4	88,000*							65
	70	80.1	322.4	88,000*	80.9	321.6	88,000*				70
	75	79.2	321.4	82,100	80.0	320.6	84,000				75
	80	78.3	320.2	74,300	79.1	319.4	76,000	80.2	317.2	58,900*	80
	85	77.3	319.0	67,400	78.2	318.2	69,000	79.3	316.0	57,500*	85
	90	76.4	317.7	61,500	77.2	316.9	62,900	78.4	314.7	56,200*	90
	95	75.5	316.3	56,200	76.3	315.5	57,600	77.4	313.3	54,900*	95
	100	74.5	314.8	51,500	75.4	314.0	52,800	76.5	311.8	53,700*	100
	110	72.7	311.6	43,600	73.5	310.7	44,700	74.6	308.5	46,200	110
	120	70.8	308.0	37,100	71.6	307.1	38,100	72.7	304.9	39,500	120
	130	68.8	304.0	31,700	69.6	303.1	32,600	70.7	300.8	33,800	130
	140	66.9	299.6	27,100	67.7	298.7	27,900	68.7	296.4	29,000	140
	150	64.9	294.8	23,200	65.7	293.9	23,900	66.7	291.5	24,900	150
	160	62.9	289.6	19,800	63.6	288.6	20,400	64.7	286.2	21,300	160
	170	60.8	283.9	16,800	61.6	282.9	17,400	62.6	280.5	18,200	170
	180	58.7	277.7	14,200	59.5	276.7	14,700	60.5	274.2	15,500	180
	190	56.5	270.9	11,800	57.3	270.0	12,400	58.3	267.4	13,000	190
	200	54.3	263.6	9,700	55.1	262.6	10,200	56.0	260.0	10,800	200
	210	52.0	255.7	7,900	52.8	254.7	8,300				210
	220	49.7	247.1	6,200	50.4	246.0	6,600				220
	230	47.2	237.8	4,600	47.9	236.6	5,000				230

MANITOWOC ENGINEERING CO.

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LIFT CRANE JIB CAPACITIES

MEETS
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REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	CAPACITY POUNDS	
120	45	80.5	174.4	88,000*	80.7	172.3	76,600*				45
	50	78.8	173.2	88,000*							50
	55	77.0	171.8	88,000*	79.0	170.9	71,700*				55
	60	75.3	170.2	84,700*	77.2	169.3	67,400*	79.9	167.1	49,100*	60
	65	73.5	168.4	78,800*	75.4	167.6	63,600*	78.1	165.3	46,900*	65
	70	71.7	166.5	73,600*	73.6	165.7	60,100*	76.2	163.4	44,900*	70
	75	69.8	164.4	69,100*	71.7	163.5	57,100*	74.4	161.2	43,100*	75
	80	68.0	162.1	65,200*	69.9	161.2	54,300*	72.5	158.9	41,500*	80
	85	66.1	159.6	61,600*	68.0	158.7	51,900*	70.6	156.3	40,000*	85
	90	64.2	156.9	58,400*	66.0	156.0	49,600*	68.6	153.5	38,600*	90
	95	62.2	154.0	55,500*	64.1	153.0	47,500*	66.6	150.5	37,300*	95
	100	60.2	150.8	52,900*	62.1	149.8	45,700*	64.5	147.3	36,200*	100
	110	56.1	143.7	48,400*	57.9	142.7	42,300*	60.3	139.9	34,100*	110
	120	51.7	135.4	44,600*	53.5	134.3	39,500*	55.8	131.4	32,300*	120
130	45	81.0	184.6	88,000*							45
	50	79.4	183.5	88,000*							50
	55	77.8	182.1	88,000*	79.6	181.3	73,400*				55
	60	76.1	180.7	87,900*	77.9	179.8	69,100*	80.5	177.5	49,800*	60
	65	74.4	179.0	81,900*	76.2	178.2	65,300*	78.8	175.8	47,700*	65
	70	72.7	177.2	76,600*	74.5	176.3	61,900*	77.1	174.0	45,800*	70
	75	71.0	175.3	72,000*	72.8	174.4	58,900*	75.3	172.0	44,000*	75
	80	69.3	173.1	67,900*	71.1	172.2	56,100*	73.6	169.8	42,400*	80
	85	67.5	170.8	64,300*	69.3	169.9	53,600*	71.8	167.4	40,900*	85
	90	65.7	168.3	61,000*	67.5	167.3	51,300*	69.9	164.8	39,600*	90
	95	63.9	165.5	58,100*	65.7	164.6	49,200*	68.1	162.1	38,300*	95
	100	62.1	162.6	55,400*	63.8	161.6	47,300*	66.2	159.1	37,100*	100
	110	58.3	156.1	50,700*	60.0	155.0	43,900*	62.3	152.3	35,000*	110
	120	54.3	148.5	46,800*	56.0	147.4	41,000*	58.2	144.6	33,200*	120
140	45	81.0	184.6	88,000*							45
	50	79.4	183.5	88,000*							50
	55	77.8	182.1	88,000*	79.6	181.3	73,400*				55
	60	76.1	180.7	87,900*	77.9	179.8	69,100*	80.5	177.5	49,800*	60
	65	74.4	179.0	81,900*	76.2	178.2	65,300*	78.8	175.8	47,700*	65
	70	72.7	177.2	76,600*	74.5	176.3	61,900*	77.1	174.0	45,800*	70
	75	71.0	175.3	72,000*	72.8	174.4	58,900*	75.3	172.0	44,000*	75
	80	69.3	173.1	67,900*	71.1	172.2	56,100*	73.6	169.8	42,400*	80
	85	67.5	170.8	64,300*	69.3	169.9	53,600*	71.8	167.4	40,900*	85
	90	65.7	168.3	61,000*	67.5	167.3	51,300*	69.9	164.8	39,600*	90
	95	63.9	165.5	58,100*	65.7	164.6	49,200*	68.1	162.1	38,300*	95
	100	62.1	162.6	55,400*	63.8	161.6	47,300*	66.2	159.1	37,100*	100
	110	58.3	156.1	50,700*	60.0	155.0	43,900*	62.3	152.3	35,000*	110
	120	54.3	148.5	46,800*	56.0	147.4	41,000*	58.2	144.6	33,200*	120
150	45	81.0	184.6	88,000*							45
	50	79.4	183.5	88,000*							50
	55	77.8	182.1	88,000*	79.6	181.3	73,400*				55
	60	76.1	180.7	87,900*	77.9	179.8	69,100*	80.5	177.5	49,800*	60
	65	74.4	179.0	81,900*	76.2	178.2	65,300*	78.8	175.8	47,700*	65
	70	72.7	177.2	76,600*	74.5	176.3	61,900*	77.1	174.0	45,800*	70
	75	71.0	175.3	72,000*	72.8	174.4	58,900*	75.3	172.0	44,000*	75
	80	69.3	173.1	67,900*	71.1	172.2	56,100*	73.6	169.8	42,400*	80
	85	67.5	170.8	64,300*	69.3	169.9	53,600*	71.8	167.4	40,900*	85
	90	65.7	168.3	61,000*	67.5	167.3	51,300*	69.9	164.8	39,600*	90
	95	63.9	165.5	58,100*	65.7	164.6	49,200*	68.1	162.1	38,300*	95
	100	62.1	162.6	55,400*	63.8	161.6	47,300*	66.2	159.1	37,100*	100
	110	58.3	156.1	50,700*	60.0	155.0	43,900*	62.3	152.3	35,000*	110
	120	54.3	148.5	46,800*	56.0	147.4	41,000*	58.2	144.6	33,200*	120

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
160	50	81.0	214.2	88,000*							50
	55	79.6	213.1	88,000*	81.1	212.2	78,000*				55
	60	78.1	211.8	88,000*	79.7	210.9	73,800*				60
	65	76.7	210.4	88,000*	78.3	209.5	70,100*	80.5	207.1	49,900*	65
	70	75.3	208.9	85,000*	76.9	208.0	66,700*	79.0	205.5	48,000*	70
	75	73.9	207.3	80,100*	75.4	206.3	63,700*	77.6	203.9	46,400*	75
	80	72.4	205.5	75,800*	74.0	204.5	60,900*	76.1	202.0	44,800*	80
	85	70.9	203.5	71,900*	72.5	202.6	58,400*	74.6	200.0	43,400*	85
	90	69.5	201.4	68,400*	71.0	200.5	56,000*	73.1	197.9	42,100*	90
	95	68.0	199.2	64,100	69.5	198.2	53,900*	71.6	195.6	40,800*	95
	100	66.5	196.8	59,400*	68.0	195.8	51,900*	70.0	193.2	39,600*	100
	110	63.4	191.5	51,500	64.9	190.4	48,400*	66.9	187.7	37,500*	110
	120	60.2	185.4	45,000	61.6	184.4	45,300*	63.6	181.6	35,700*	120
	130	56.9	178.6	39,700	58.3	177.5	40,300	60.2	174.6	34,100*	130
	140	53.4	170.8	35,100	54.8	169.7	35,700	56.7	166.6	32,600*	140
170	150	49.8	162.0	31,200	51.2	160.8	31,700				150
	160	45.9	152.0	27,800	47.3	150.7	28,200				160
	170	41.7	140.5	24,800							170
180	55	80.0	223.3	88,000*	80.2	221.2	75,200*				55
	60	78.7	222.1	88,000*	78.8	219.9	71,500*	80.9	217.4	50,500*	60
	65	77.4	220.8	88,000*	77.5	218.4	68,200*	79.6	215.9	48,700*	65
	70	76.0	219.4	87,600*	76.1	216.9	65,100*	78.2	214.3	47,100*	70
	75	74.6	217.8	82,700*	74.7	215.1	62,300*	76.8	212.6	45,500*	75
	80	73.3	216.1	78,300*	73.3	213.3	59,800*	75.4	210.7	44,100*	80
	85	71.9	214.3	74,300*	71.9	211.3	57,500*	73.9	208.7	42,800*	85
	90	70.5	212.3	68,500	70.5	209.2	55,300*	72.5	206.6	41,600*	90
	95	69.0	210.2	63,200	69.1	206.9	53,300*	71.0	204.2	40,400*	95
	100	67.6	207.9	58,600	66.1	201.8	49,700*	68.1	199.1	38,300*	100
	110	64.7	202.9	50,700	63.1	196.1	45,000	65.0	193.3	36,400*	110
	120	61.7	197.2	44,200	60.0	189.7	39,500	61.8	186.8	34,800*	120
	130	58.6	190.8	38,800	56.8	182.4	34,900	58.6	179.4	33,400*	130
	140	55.4	183.6	34,200	53.4	174.3	30,900				140
	150	52.0	175.5	30,300	49.8	165.0	27,400				150
190	160	48.5	166.3	26,900	46.0	154.5	24,400				160
	170	44.7	155.9	24,000							170
	180	40.7	143.9	21,300							180
200	55	80.5	233.6	88,000*	80.6	231.5	76,500*				55
	60	79.2	232.4	88,000*	79.3	230.2	72,800*				60
	65	77.9	231.2	88,000*	78.0	228.8	69,500*	80.0	226.3	49,300*	65
	70	76.6	229.8	88,000*	76.7	227.3	66,500*	78.7	224.8	47,700*	70
	75	75.3	228.3	85,100*	75.4	225.7	63,700*	77.4	223.1	46,200*	75
	80	74.0	226.7	80,600*	74.1	223.9	61,200*	76.0	221.4	44,800*	80
	85	72.7	224.9	73,900	72.8	222.0	58,800*	74.7	219.4	43,500*	85
	90	71.4	223.0	67,900	71.4	220.0	56,700*	73.3	217.4	42,300*	90
	95	70.0	221.0	62,600	70.0	217.8	54,700*	71.9	215.2	41,100*	95
	100	68.7	218.9	58,000	67.3	213.1	51,000	69.1	210.4	39,000*	100
	110	65.9	214.1	50,100	64.4	207.7	44,400	66.2	204.9	37,200*	110
	120	63.1	208.8	43,600	61.5	201.6	38,900	63.3	198.8	35,500*	120
	130	60.2	202.7	38,200	58.5	194.9	34,300	60.2	191.9	34,100*	130
	140	57.1	196.0	33,600	55.3	187.2	30,300	57.0	184.1	31,000	140
	150	54.0	188.4	29,700	52.0	178.7	26,800				150
210	160	50.8	180.0	26,300	48.6	169.1	23,800				160
	170	47.3	170.4	23,300							170
	180	43.6	159.6	20,700							180
	190	39.7	147.3	18,400							190

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
190	55	80.9	243.8	88,000*	81.0	241.7	77,800*				55
	60	79.7	242.7	88,000*							60
	65	78.4	241.5	88,000*	79.8	240.5	74,100*				65
	70	77.2	240.2	88,000*	78.6	239.2	70,800*	80.5	236.7	49,900*	70
	75	76.0	238.7	87,500*	77.3	237.8	67,800*	79.2	235.2	48,300*	75
	80	74.7	237.2	79,900	76.1	236.2	65,000*	77.9	233.6	46,800*	80
	85	73.4	235.5	73,000	74.8	234.5	62,500*	76.7	231.9	45,400*	85
	90	72.2	233.7	67,100	73.5	232.7	60,100*	75.4	230.1	44,100*	90
	95	70.9	231.8	61,800	72.2	230.8	58,000*	74.1	228.2	42,900*	95
	100	69.6	229.8	57,200	70.9	228.7	56,000*	72.8	226.1	41,800*	100
	110	67.0	225.2	49,200	68.3	224.2	50,300	70.1	221.5	39,700*	110
	120	64.3	220.2	42,700	65.6	219.1	43,600	67.4	216.3	37,900*	120
	130	61.6	214.5	37,300	62.8	213.4	38,100	64.6	210.5	36,200*	130
	140	58.7	208.1	32,800	60.0	207.0	33,500	61.7	204.0	34,400	140
	150	55.8	201.1	28,800	57.1	199.9	29,500	58.7	196.8	30,300	150
200	160	52.8	193.2	25,400	54.0	191.9	26,000	55.6	188.7	26,700	160
	170	49.6	184.3	22,500	50.8	183.1	22,900				170
	180	46.2	174.5	19,800	47.4	173.1	20,300				180
	190	42.6	163.3	17,500							190
	200	38.8	150.6	15,400							200
210	60	80.1	252.9	88,000*	80.2	250.8	75,300*				60
	65	78.9	251.8	88,000*							65
	70	77.7	250.5	88,000*	79.0	249.5	72,100*	80.9	247.0	50,400*	70
	75	76.5	249.1	87,900	77.8	248.2	69,000*	79.7	245.6	48,900*	75
	80	75.3	247.7	80,000	76.6	246.7	66,300*	78.5	244.1	47,400*	80
	85	74.1	246.1	73,200	75.4	245.1	63,800*	77.2	242.5	46,000*	85
	90	72.9	244.4	67,200	74.2	243.3	61,400*	76.0	240.7	44,800*	90
	95	71.7	242.5	62,000	73.0	241.5	59,200*	74.8	238.8	43,600*	95
	100	70.5	240.6	57,300	71.7	239.5	57,200*	73.5	236.9	42,400*	100
	110	68.0	236.3	49,300	69.2	235.2	50,400	71.0	232.5	40,400*	110
	120	65.4	231.4	42,900	66.7	230.4	43,800	68.4	227.6	38,500*	120
	130	62.8	226.1	37,500	64.1	225.0	38,300	65.7	222.1	36,900*	130
	140	60.1	220.1	32,900	61.4	218.9	33,600	63.0	216.0	34,500	140
	150	57.4	213.4	29,000	58.6	212.2	29,600	60.2	209.2	30,400	150
	160	54.5	206.0	25,600	55.7	204.8	26,100	57.3	201.6	26,900	160
220	170	51.6	197.8	22,600	52.7	196.5	23,100				170
	180	48.5	188.6	20,000	49.6	187.3	20,400				180
	190	45.2	178.4	17,600	46.3	177.0	18,000				190
	200	41.7	166.9	15,500							200
	60	80.5	263.1	88,000*	80.6	261.1	76,500*				60
	65	79.3	262.0	88,000*							65
	70	78.2	260.8	88,000*	79.5	259.8	73,200*				70
	75	77.1	259.5	87,100	78.3	258.5	70,200*	80.1	255.9	49,400*	75
	80	75.9	258.1	79,200	77.2	257.1	67,500*	78.9	254.5	48,000*	80
	85	74.8	256.6	72,400	76.0	255.6	65,000*	77.8	252.9	46,600*	85
	90	73.6	254.9	66,400	74.8	253.9	62,600*	76.6	251.3	45,300*	90
	95	72.4	253.2	61,200	73.7	252.1	60,400*	75.4	249.5	44,200*	95
	100	71.3	251.3	56,500	72.5	250.3	57,700	74.2	247.6	43,000*	100
	110	68.9	247.2	48,500	70.1	246.2	49,600	71.8	243.4	41,000*	110
	120	66.4	242.6	42,000	67.7	241.5	43,000	69.3	238.7	39,200*	120
	130	64.0	237.5	36,600	65.2	236.4	37,500	66.8	233.5	37,500*	130
	140	61.4	231.8	32,100	62.6	230.7	32,800	64.2	227.7	33,800	140
	150	58.8	225.5	28,100	60.0	224.3	28,800	61.5	221.3	29,700	150
	160	56.1	218.5	24,700	57.3	217.3	25,300	58.8	214.2	26,100	160
	170	53.4	210.8	21,800	54.5	209.6	22,300	56.0	206.3	23,000	170
	180	50.5	202.3	19,100	51.6	201.0	19,600				180
	190	47.4	192.8	16,800	48.5	191.5	17,200				190
	200	44.2	182.3	14,700	45.3	180.8	15,100				200
	210	40.8	170.4	12,800							210

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MEETS
ANSI B30.5
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4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
220	60	80.8	273.3	88,000*							60
	65	79.7	272.3	88,000*	81.0	271.3	77,600*				65
	70	78.7	271.1	88,000*	79.9	270.1	74,400*				70
	75	77.6	269.9	86,600	78.8	268.9	71,400*	80.5	266.2	49,900*	75
	80	76.5	268.5	78,700	77.7	267.5	68,700*	79.4	264.9	48,500*	80
	85	75.4	267.0	71,800	76.6	266.0	66,100*	78.2	263.4	47,200*	85
	90	74.2	265.5	65,800	75.4	264.4	63,800*	77.1	261.8	45,900*	90
	95	73.1	263.8	60,600	74.3	262.7	61,600*	76.0	260.1	44,700*	95
	100	72.0	262.0	55,900	73.2	260.9	57,200	74.8	258.2	43,600	100
	110	69.7	258.1	47,900	70.9	257.0	49,100	72.5	254.3	41,600*	110
	120	67.4	253.7	41,400	68.6	252.6	42,400	70.1	249.8	39,800*	120
	130	65.0	248.8	36,000	66.2	247.7	36,900	67.7	244.8	38,100	130
	140	62.6	243.4	31,400	63.8	242.2	32,200	65.3	239.3	33,300	140
	150	60.1	237.4	27,500	61.3	236.2	28,200	62.8	233.2	29,200	150
	160	57.6	230.8	24,100	58.7	229.6	24,800	60.2	226.5	25,600	160
230	170	55.0	223.5	21,100	56.1	222.3	21,700	57.5	219.1	22,400	170
	180	52.2	215.5	18,500	53.3	214.2	19,000				180
	190	49.4	206.7	16,200	50.5	205.3	16,600				190
	200	46.4	196.9	14,100	47.5	195.5	14,500				200
	210	43.3	186.0	12,200							210
	220	40.0	173.8	10,500							220
	65	80.1	282.5	88,000*	80.2	280.4	75,400*				65
	70	79.1	281.4	88,000*	79.2	279.2	72,500*	80.8	276.5	50,400*	70
	75	78.0	280.2	85,800	78.1	277.8	69,800*	79.8	275.2	49,000*	75
	80	77.0	278.9	77,900	77.1	276.4	67,200*	78.7	273.8	47,700*	80
	85	75.9	277.5	71,100	76.0	274.9	64,900*	77.6	272.2	46,400*	85
	90	74.8	275.9	65,100	74.9	273.3	61,200	76.5	270.6	45,300*	90
	95	73.7	274.3	59,800	73.8	271.6	56,500	75.4	268.8	44,200*	95
	100	72.7	272.6	55,100	71.6	267.8	48,300	73.2	265.0	42,200*	100
	110	70.5	268.8	47,100	69.4	263.6	41,700	70.9	260.8	40,300*	110
	120	68.3	264.6	40,600	67.1	258.9	36,200	68.6	256.0	37,400	120
240	130	66.0	260.0	35,200	64.8	253.7	31,500	66.3	250.8	32,600	130
	140	63.7	254.8	30,600	62.4	247.9	27,500	63.9	245.0	28,400	140
	150	61.3	249.1	26,700	60.0	241.6	24,000	61.4	238.6	24,900	150
	160	58.9	242.8	23,300	57.5	234.7	20,900	58.9	231.6	21,700	160
	170	56.4	235.9	20,300	54.9	227.1	18,200	56.3	223.9	18,900	170
	180	53.9	228.4	17,700	52.2	218.8	15,800				180
	190	51.2	220.1	15,300	49.5	209.6	13,700				190
	200	48.4	211.0	13,200	46.5	199.5	11,700				200
	210	45.5	200.9	11,300							210
	220	42.4	189.7	9,600							220
	230	39.2	177.2	8,100							230
	65	80.5	292.7	88,000*	80.6	290.6	76,500*				65
	70	79.5	291.6	88,000*	79.6	289.5	73,500*				70
	75	78.4	290.5	85,500	78.5	288.2	70,800*	80.1	285.5	49,500*	75
	80	77.4	289.2	77,600	77.5	286.8	68,300*	79.1	284.1	48,200*	80
	85	76.4	287.9	70,700	76.5	285.4	66,000*	78.0	282.7	46,900*	85
	90	75.4	286.4	64,700	75.4	283.8	60,900	77.0	281.1	45,800*	90
	95	74.3	284.8	59,500	74.4	282.1	56,100	75.9	279.4	44,700*	95
	100	73.3	283.2	54,800	72.3	278.5	48,000	73.8	275.7	42,700*	100
	110	71.2	279.6	46,800	70.1	274.5	41,400	71.6	271.6	40,900*	110
	120	69.1	275.5	40,300	68.0	270.0	35,800	69.4	267.1	37,100	120
	130	66.9	271.1	34,900	65.8	265.0	31,100	67.2	262.1	32,300	130
	140	64.7	266.1	30,300	63.5	259.5	27,100	64.9	256.5	28,100	140
	150	62.4	260.7	26,300	61.2	253.5	23,600	62.6	250.5	24,600	150
	160	60.1	254.7	22,900	58.8	246.9	20,600	60.2	243.8	21,400	160
	170	57.8	248.2	19,900	56.4	239.8	17,900	57.7	236.5	18,600	170
	180	55.3	241.0	17,300	53.8	231.9	15,500				180
	190	52.8	233.2	15,000	51.2	223.3	13,300				190
	200	50.2	224.6	12,900	48.5	213.8	11,400				200
	210	47.5	215.2	11,000	45.6	203.4	9,700				210
	220	44.7	204.8	9,300							220
	230	41.6	193.3	7,700							230
	240	38.4	180.5	6,300							240

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
250	65	80.8	302.9	88,000*	80.9	300.9	77,400*				65
	70	79.8	301.9	88,000*							70
	75	78.8	300.8	84,800	79.9	299.7	74,500*				75
	80	77.8	299.5	76,800	78.9	298.5	71,800*	80.5	295.8	49,900*	80
	85	76.9	298.2	70,000	77.9	297.2	69,300*	79.5	294.5	48,600*	85
	90	75.9	296.8	64,000	76.9	295.8	65,600	78.5	293.1	47,400*	90
	95	74.9	295.3	58,700	75.9	294.3	60,200	77.4	291.5	46,300*	95
	100	73.9	293.7	54,000	74.9	292.7	55,400	76.4	289.9	45,200*	100
	110	71.8	290.2	46,000	72.9	289.2	47,300	74.4	286.4	43,200*	110
	120	69.8	286.4	39,500	70.8	285.3	40,600	72.3	282.5	41,400*	120
	130	67.7	282.1	34,100	68.8	281.0	35,100	70.2	278.1	36,400	130
	140	65.6	277.3	29,500	66.6	276.2	30,400	68.0	273.3	31,600	140
	150	63.4	272.1	25,500	64.5	271.0	26,400	65.8	268.0	27,400	150
	160	61.2	266.4	22,100	62.3	265.2	22,900	63.6	262.2	23,800	160
	170	59.0	260.2	19,100	60.0	259.0	19,800	61.3	255.9	20,700	170
260	180	56.7	253.4	16,500	57.7	252.1	17,100	59.0	248.9	17,900	180
	190	54.3	246.0	14,200	55.3	244.7	14,700	56.5	241.4	15,400	190
	200	51.8	237.9	12,100	52.8	236.5	12,600				200
	210	49.3	229.0	10,200	50.2	227.6	10,600				210
	220	46.6	219.3	8,500	47.6	217.9	8,900				220
	230	43.8	208.7	6,900							230
	240	40.9	196.9	5,500							240
	65	81.1	313.1	88,000*							65
	70	80.1	312.1	88,000*							70
	75	79.2	311.0	84,200	80.3	310.0	75,500*				75
	80	78.2	309.8	76,300	79.3	308.8	72,800*	80.8	306.1	50,300*	80
	85	77.3	308.6	69,400	78.3	307.5	70,300*	79.8	304.8	49,100*	85
	90	76.3	307.2	63,400	77.4	306.2	65,100	78.8	303.4	47,900*	90
	95	75.4	305.8	58,100	76.4	304.7	59,700	77.9	302.0	46,800*	95
	100	74.4	304.2	53,400	75.4	303.2	54,900	76.9	300.4	45,700*	100
	110	72.5	300.9	45,400	73.5	299.8	46,700	74.9	297.0	43,700*	110
	120	70.5	297.1	38,900	71.5	296.0	40,100	72.9	293.2	41,600	120
	130	68.5	293.0	33,500	69.5	291.9	34,500	70.9	289.0	35,900	130
	140	66.4	288.4	28,900	67.5	287.3	29,800	68.8	284.4	31,100	140
	150	64.4	283.4	24,900	65.4	282.3	25,800	66.7	279.3	26,900	150
	160	62.3	278.0	21,500	63.3	276.8	22,300	64.6	273.8	23,300	160
	170	60.1	272.0	18,500	61.1	270.8	19,200	62.4	267.7	20,100	170
270	180	57.9	265.5	15,900	58.9	264.3	16,500	60.1	261.1	17,300	180
	190	55.6	258.5	13,500	56.6	257.2	14,100	57.8	253.9	14,900	190
	200	53.3	250.8	11,400	54.3	249.5	12,000	55.5	246.1	12,600	200
	210	50.9	242.4	9,500	51.8	241.1	10,000				210
	220	48.4	233.3	7,800	49.3	231.9	8,300				220
	230	45.8	223.4	6,300	46.7	221.9	6,700				230
	240	43.1	212.4	4,800							240
	70	80.5	322.3	88,000*	80.6	320.2	76,400*				70
	75	79.5	321.2	83,500							75
	80	78.6	320.1	75,500	79.6	319.1	73,800*	81.1	316.3	50,700*	80
	85	77.7	318.9	68,700	78.7	317.8	70,600	80.1	315.1	49,500*	85
	90	76.8	317.6	62,700	77.8	316.5	64,400	79.2	313.8	48,300*	90
	95	75.8	316.2	57,400	76.9	315.1	59,000	78.3	312.4	47,200*	95
	100	74.9	314.7	52,700	75.9	313.6	54,200	77.3	310.9	46,200*	100
	110	73.0	311.5	44,700	74.0	310.4	46,000	75.4	307.6	44,200*	110
	120	71.1	307.8	38,100	72.1	306.8	39,300	73.5	303.9	41,000	120
	130	69.2	303.9	32,700	70.2	302.7	33,800	71.5	299.9	35,200	130
	140	67.2	299.5	28,100	68.2	298.3	29,100	69.5	295.4	30,400	140
	150	65.2	294.7	24,100	66.2	293.5	25,000	67.5	290.6	26,200	150
	160	63.2	289.4	20,700	64.2	288.2	21,500	65.5	285.2	22,600	160
	170	61.2	283.7	17,700	62.1	282.5	18,500	63.4	279.4	19,400	170
	180	59.1	277.5	15,100	60.0	276.3	15,800	61.2	273.1	16,600	180
	190	56.9	270.8	12,700	57.8	269.5	13,300	59.0	266.3	14,100	190
	200	54.7	263.5	10,600	55.6	262.2	11,200	56.8	258.9	11,900	200
	210	52.4	255.6	8,700	53.3	254.2	9,200				210
	220	50.0	246.9	7,000	50.9	245.6	7,500				220
	230	47.6	237.6	5,500	48.5	236.1	5,900				230
	240	45.0	227.4	4,000	45.9	225.9	4,400				240

MANITOWOC ENGINEERING CO.

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LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
120	50	79.9	183.5	87,000*							50
	55	78.2	182.1	79,900*	80.5	181.2	62,600*				55
	60	76.6	180.7	73,900*	78.8	179.7	58,700*				60
	65	74.9	179.0	68,700*	77.1	178.1	55,300*	80.6	176.0	41,100*	65
	70	73.2	177.2	64,200*	75.4	176.2	52,300*	78.9	174.2	39,300*	70
	75	71.5	175.2	60,200*	73.7	174.3	49,600*	77.1	172.2	37,700*	75
	80	69.7	173.1	56,700*	71.9	172.1	47,200*	75.4	170.0	36,200*	80
	85	68.0	170.8	53,500*	70.2	169.7	44,900*	73.6	167.7	34,900*	85
	90	66.2	168.2	50,700*	68.4	167.2	42,900*	71.8	165.2	33,600*	90
	95	64.4	165.5	48,200*	66.5	164.5	41,100*	69.9	162.4	32,500*	95
	100	62.5	162.6	45,900*	64.7	161.5	39,400*	68.0	159.5	31,400*	100
	110	58.7	156.0	41,900*	60.8	154.9	36,500*	64.1	152.9	29,500*	110
	120	54.7	148.5	38,500*	56.8	147.3	33,900*	60.1	145.2	27,800*	120
	130	50.5	139.7	35,700*	52.5	138.4	31,700*				130
	140	45.9	129.5	33,200*	47.9	128.1	29,900*				140
	150	40.9	117.4	31,100*							150
130	50	80.4	193.7	88,000*							50
	55	78.9	192.5	82,600*	81.0	191.5	63,900*				55
	60	77.3	191.1	76,500*	79.4	190.1	60,100*				60
	65	75.7	189.5	71,200*	77.8	188.5	56,700*	81.1	186.4	41,700*	65
	70	74.1	187.8	66,600*	76.2	186.8	53,700*	79.5	184.7	40,000*	70
	75	72.5	186.0	62,500*	74.6	185.0	51,000*	77.9	182.8	38,400*	75
	80	70.9	184.0	59,000*	73.0	182.9	48,600*	76.2	180.8	37,000*	80
	85	69.2	181.8	55,700*	71.3	180.7	46,400*	74.5	178.6	35,600*	85
	90	67.6	179.4	52,900*	69.6	178.4	44,300*	72.8	176.2	34,400*	90
	95	65.9	176.9	50,300*	67.9	175.8	42,500*	71.1	173.7	33,200*	95
	100	64.2	174.2	47,900*	66.2	173.1	40,800*	69.4	170.9	32,200*	100
	110	60.6	168.1	43,800*	62.6	167.0	37,800*	65.8	164.8	30,300*	110
	120	56.9	161.1	40,300*	58.9	159.9	35,200*	62.0	157.8	28,600*	120
	130	53.1	153.1	37,300*	55.0	151.9	33,000*	58.1	149.7	27,200*	130
	140	49.0	143.9	34,800*	50.9	142.6	31,000*				140
	150	44.6	133.2	32,500*	46.4	131.8	29,300*				150
	160	39.7	120.6	30,000							160
140	50	80.9	204.0	88,000*							50
	55	79.4	202.8	85,100*							55
	60	77.9	201.5	78,900*	80.0	200.4	61,400*				60
	65	76.5	200.0	73,600*	78.5	199.0	58,100*				65
	70	74.9	198.4	68,900*	76.9	197.4	55,100*	80.1	195.1	40,600*	70
	75	73.4	196.7	64,800*	75.4	195.6	52,400*	78.5	193.4	39,100*	75
	80	71.9	194.8	61,200*	73.9	193.7	49,900*	77.0	191.5	37,600*	80
	85	70.3	192.7	57,900*	72.3	191.6	47,700*	75.4	189.4	36,300*	85
	90	68.8	190.5	54,900*	70.7	189.4	45,700*	73.8	187.2	35,100*	90
	95	67.2	188.1	52,300*	69.1	187.0	43,800*	72.2	184.8	33,900*	95
	100	65.6	185.5	49,800*	67.5	184.4	42,100*	70.5	182.2	32,900*	100
	110	62.3	179.9	45,600*	64.2	178.7	39,000*	67.2	176.5	31,000*	110
	120	58.9	173.4	42,000*	60.8	172.2	36,400*	63.7	170.0	29,300*	120
	130	55.3	166.0	39,000*	57.2	164.8	34,100*	60.1	162.5	27,900*	130
	140	51.6	157.6	36,300*	53.4	156.3	32,200*	56.2	154.0	26,600*	140
	150	47.6	148.0	32,800	49.4	146.6	30,400*				150
	160	43.3	136.9	29,400							160
	170	38.6	123.8	26,400							170
150	55	79.9	213.1	87,500*							55
	60	78.5	211.8	81,300*	80.4	210.8	62,600*				60
	65	77.1	210.4	75,900*	79.0	209.4	59,300*				65
	70	75.7	208.9	71,200*	77.6	207.8	56,300*	80.6	205.5	41,200*	70
	75	74.3	207.2	67,000*	76.1	206.2	53,600*	79.1	203.9	39,700*	75
	80	72.8	205.4	63,300*	74.7	204.4	51,200*	77.6	202.1	38,300*	80
	85	71.3	203.5	60,000*	73.2	202.4	49,000*	76.2	200.1	36,900*	85
	90	69.9	201.4	56,900*	71.7	200.3	46,900*	74.6	198.0	35,700*	90
	95	68.4	199.2	54,200*	70.2	198.1	45,000*	73.1	195.8	34,600*	95
	100	66.8	196.8	51,700*	68.7	195.6	43,300*	71.6	193.4	33,600*	100
	110	63.7	191.4	47,400*	65.6	190.3	40,200*	68.4	188.0	31,700*	110
	120	60.6	185.4	43,700*	62.4	184.2	37,600*	65.2	181.9	30,000*	120
	130	57.2	178.5	40,400*	59.0	177.3	35,300*	61.8	175.0	28,500*	130
	140	53.8	170.8	35,800*	55.6	169.5	33,200*	58.3	167.2	27,300*	140
	150	50.2	162.0	31,900*	51.9	160.6	31,500*				150
	160	46.3	152.0	28,500	48.0	150.5	29,000				160
	170	42.1	140.4	25,500							170

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OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
220	65	80.4	282.5	88,000*	80.8	280.2	63,600*				65
	70	79.4	281.4	85,000*							70
	75	78.3	280.1	80,600*	79.7	279.0	61,000*				75
	80	77.2	278.8	76,500*	78.7	277.6	58,700*	80.9	275.0	41,700*	80
	85	76.2	277.4	72,400	77.6	276.2	56,500*	79.8	273.6	40,500*	85
	90	75.1	275.9	66,400	76.5	274.7	54,400*	78.7	272.1	39,400*	90
	95	74.0	274.3	61,100	75.4	273.1	52,500*	77.6	270.4	38,400*	95
	100	73.0	272.6	56,400	74.4	271.4	50,800*	76.5	268.7	37,400*	100
	110	70.8	268.8	48,500	72.2	267.6	47,600*	74.3	265.0	35,600*	110
	120	68.5	264.6	41,900	69.9	263.3	43,100	72.1	260.7	34,000*	120
	130	66.3	259.9	36,500	67.6	258.6	37,500	69.8	256.0	32,500*	130
	140	64.0	254.7	31,900	65.3	253.4	32,800	67.4	250.8	31,200*	140
	150	61.6	249.0	27,900	63.0	247.7	28,800	65.0	245.1	29,900	150
	160	59.2	242.8	24,500	60.5	241.4	25,300	62.6	238.8	26,300	160
	170	56.7	235.9	21,500	58.0	234.5	22,200	60.0	231.8	23,100	170
	180	54.1	228.3	18,900	55.4	226.9	19,500	57.4	224.2	20,300	180
	190	51.5	220.1	16,500	52.8	218.5	17,100				190
	200	48.7	210.9	14,400	50.0	209.3	15,000				200
	210	45.8	200.8	12,600	47.0	199.2	13,000				210
	220	42.7	189.7	10,800							220
	230	39.4	177.1	9,300							230
230	65	80.7	292.7	88,000*	81.1	290.4	64,500*				65
	70	79.7	291.6	86,800*							70
	75	78.7	290.4	82,300*	80.1	289.2	61,900*				75
	80	77.7	289.2	78,200*	79.1	288.0	59,500*	81.2	285.3	42,100*	80
	85	76.7	287.8	71,700	78.0	286.6	57,400*	80.2	283.9	40,900*	85
	90	75.6	286.4	65,700	77.0	285.1	55,300*	79.1	282.5	39,800*	90
	95	74.6	284.8	60,400	76.0	283.6	53,400*	78.1	280.9	38,800*	95
	100	73.6	283.1	55,700	74.9	281.9	51,700*	77.0	279.3	37,800*	100
	110	71.5	279.5	47,700	72.8	278.3	48,500*	74.9	275.6	36,100*	110
	120	69.3	275.5	41,100	70.7	274.2	42,400	72.7	271.6	34,500*	120
	130	67.2	271.0	35,700	68.5	269.7	36,800	70.5	267.1	33,000*	130
	140	65.0	266.1	31,100	66.3	264.7	32,100	68.3	262.1	31,700*	140
	150	62.7	260.6	27,100	64.0	259.3	28,000	66.0	256.6	29,300	150
	160	60.4	254.6	23,700	61.7	253.3	24,500	63.7	250.6	25,600	160
	170	58.0	248.1	20,700	59.3	246.7	21,500	61.3	244.0	22,400	170
	180	55.6	240.9	18,100	56.9	239.5	18,700	58.8	236.8	19,600	180
	190	53.1	233.1	15,700	54.3	231.6	16,300	56.2	228.9	17,100	190
	200	50.5	224.5	13,600	51.7	223.0	14,200				200
	210	47.8	215.1	11,700	49.0	213.5	12,200				210
	220	44.9	204.8	10,000	46.1	203.1	10,400				220
	230	41.9	193.3	8,400							230
	240	38.7	180.4	7,000							240
240	65	81.1	302.9	88,000*							65
	70	80.1	301.8	88,000*							70
	75	79.1	300.7	83,900*	80.4	299.5	62,800*				75
	80	78.1	299.5	78,200	79.4	298.3	60,400*				80
	85	77.1	298.2	71,300	78.5	297.0	58,200*	80.5	294.2	41,300*	85
	90	76.1	296.8	65,300	77.5	295.6	56,200*	79.5	292.8	40,200*	90
	95	75.1	295.3	60,000	76.5	294.0	54,300*	78.5	291.3	39,200*	95
	100	74.1	293.7	55,300	75.4	292.4	52,500*	77.5	289.7	38,300*	100
	110	72.1	290.2	47,300	73.4	289.0	48,700	75.4	286.3	36,500*	110
	120	70.1	286.3	40,800	71.4	285.0	42,000	73.4	282.4	34,900*	120
	130	68.0	282.0	35,300	69.3	280.7	36,500	71.2	278.0	33,500*	130
	140	65.9	277.3	30,700	67.1	276.0	31,700	69.1	273.3	32,200*	140
	150	63.7	272.0	26,800	65.0	270.7	27,700	66.9	268.0	28,900	150
	160	61.5	266.3	23,300	62.8	265.0	24,200	64.7	262.3	25,300	160
	170	59.3	260.1	20,300	60.5	258.7	21,100	62.4	256.0	22,100	170
	180	56.9	253.3	17,700	58.2	251.9	18,400	60.0	249.1	19,300	180
	190	54.6	245.9	15,400	55.8	244.4	16,000	57.6	241.6	16,800	190
	200	52.1	237.8	13,200	53.3	236.3	13,800				200
	210	49.5	229.0	11,400	50.7	227.4	11,900				210
	220	46.9	219.3	9,600	48.0	217.6	10,100				220
	230	44.1	208.6	8,100	45.2	206.8	8,500				230
	240	41.1	196.8	6,600							240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
250	70	80.4	312.0	88,000*							70
	75	79.5	311.0	85,500	80.8	309.7	63,600*				75
	80	78.5	309.8	77,500	79.8	308.6	61,200*				80
	85	77.6	308.5	70,600	78.8	307.3	59,100*	80.8	304.5	41,700*	85
	90	76.6	307.2	64,600	77.9	305.9	57,000*	79.9	303.2	40,600*	90
	95	75.6	305.7	59,300	76.9	304.5	55,200*	78.9	301.7	39,600*	95
	100	74.7	304.2	54,600	75.9	302.9	53,400*	77.9	300.2	38,700*	100
	110	72.7	300.8	46,600	74.0	299.6	48,000	75.9	296.8	36,900*	110
	120	70.7	297.1	40,000	72.0	295.8	41,300	73.9	293.1	35,300*	120
	130	68.7	292.9	34,600	70.0	291.6	35,700	71.9	288.9	33,900*	130
	140	66.7	288.4	29,900	67.9	287.1	31,000	69.8	284.4	32,500	140
	150	64.6	283.4	26,000	65.9	282.0	27,000	67.7	279.3	28,300	150
	160	62.5	277.9	22,600	63.7	276.5	23,400	65.6	273.8	24,600	160
	170	60.4	272.0	19,600	61.6	270.6	20,400	63.4	267.8	21,400	170
	180	58.2	265.5	16,900	59.4	264.0	17,600	61.2	261.3	18,600	180
	190	55.9	258.4	14,600	57.1	256.9	15,200	58.9	254.2	16,100	190
	200	53.6	250.7	12,400	54.7	249.2	13,100	56.5	246.4	13,800	200
	210	51.2	242.4	10,500	52.3	240.8	11,100				210
	220	48.7	233.3	8,800	49.8	231.6	9,300				220
	230	46.0	223.3	7,300	47.2	221.6	7,700				230
	240	43.3	212.4	5,800							240
	250	40.4	200.3	4,500							250
260	70	80.7	322.3	88,000*							70
	75	79.8	321.2	84,900	81.0	320.0	64,300*				75
	80	78.9	320.1	76,900	80.1	318.8	62,000*				80
	85	78.0	318.8	70,000	79.2	317.6	59,900*	81.1	314.8	42,000*	85
	90	77.0	317.5	64,000	78.3	316.3	57,900*	80.2	313.5	41,000*	90
	95	76.1	316.1	58,700	77.3	314.9	56,000*	79.3	312.1	40,000*	95
	100	75.2	314.6	54,000	76.4	313.4	54,200*	78.3	310.6	39,100*	100
	110	73.3	311.4	46,000	74.5	310.1	47,500	76.4	307.4	37,300*	110
	120	71.4	307.8	39,400	72.6	306.5	40,800	74.5	303.8	35,800*	120
	130	69.4	303.8	33,900	70.7	302.5	35,200	72.5	299.8	34,300*	130
	140	67.5	299.4	29,300	68.7	298.1	30,400	70.5	295.4	32,000	140
	150	65.5	294.6	25,400	66.7	293.3	26,400	68.5	290.5	27,700	150
	160	63.5	289.4	21,900	64.7	288.0	22,900	66.5	285.3	24,100	160
	170	61.4	283.6	18,900	62.6	282.3	19,800	64.4	279.5	20,900	170
	180	59.3	277.4	16,300	60.5	276.0	17,000	62.2	273.2	18,100	180
	190	57.1	270.7	13,900	58.3	269.3	14,600	60.0	266.5	15,500	190
	200	54.9	263.4	11,800	56.1	261.9	12,500	57.8	259.1	13,300	200
	210	52.6	255.5	9,900	53.8	253.9	10,500				210
	220	50.3	246.9	8,200	51.4	245.3	8,700				220
	230	47.8	237.5	6,600	48.9	235.8	7,100				230
	240	45.3	227.3	5,200	46.3	225.5	5,600				240
270	70	81.0	332.4	88,000*							70
	75	80.1	331.4	84,200							75
	80	79.2	330.3	76,200	80.4	329.1	62,800*				80
	85	78.3	329.1	69,300	79.5	327.9	60,600*				85
	90	77.4	327.9	63,300	78.6	326.6	58,600*	80.5	323.8	41,300*	90
	95	76.5	326.5	58,000	77.7	325.3	56,800*	79.6	322.5	40,400*	95
	100	75.6	325.1	53,200	76.8	323.8	55,000*	78.7	321.0	39,400*	100
	110	73.8	321.9	45,200	75.0	320.7	46,800	76.8	317.9	37,700*	110
	120	72.0	318.5	38,600	73.1	317.2	40,100	75.0	314.4	36,200*	120
	130	70.1	314.6	33,200	71.3	313.3	34,500	73.1	310.5	34,700*	130
	140	68.2	310.4	28,500	69.4	309.1	29,700	71.2	306.3	31,300	140
	150	66.3	305.7	24,600	67.5	304.4	25,600	69.2	301.6	27,100	150
	160	64.4	300.7	21,100	65.5	299.3	22,100	67.3	296.6	23,400	160
	170	62.4	295.2	18,100	63.5	293.8	19,000	65.3	291.1	20,200	170
	180	60.4	289.3	15,500	61.5	287.9	16,300	63.2	285.1	17,400	180
	190	58.3	282.8	13,100	59.4	281.4	13,900	61.1	278.6	14,800	190
	200	56.2	275.9	11,000	57.3	274.4	11,700	58.9	271.5	12,600	200
	210	54.0	268.3	9,100	55.1	266.8	9,700	56.7	263.9	10,500	210
	220	51.7	260.1	7,400	52.8	258.6	8,000				220
	230	49.4	251.3	5,800	50.5	249.7	6,300				230
	240	47.0	241.7	4,400	48.1	240.0	4,900				240

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

70 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
120	50	80.7	193.8	79,400*							50
	55	79.1	192.5	72,800*							55
	60	77.6	191.1	67,100*	80.0	190.1	53,000*				60
	65	76.0	189.6	62,300*	78.4	188.6	49,900*				65
	70	74.4	187.9	58,100*	76.8	186.9	47,100*	80.7	184.6	35,000*	70
	75	72.8	186.0	54,400*	75.2	185.0	44,500*	79.1	182.7	33,500*	75
	80	71.2	184.0	51,100*	73.6	183.0	42,300*	77.4	180.7	32,100*	80
	85	69.5	181.8	48,200*	71.9	180.8	40,200*	75.7	178.5	30,900*	85
	90	67.8	179.5	45,600*	70.2	178.4	38,400*	74.0	176.1	29,700*	90
	95	66.1	176.9	43,200*	68.5	175.9	36,700*	72.3	173.6	28,600*	95
	100	64.4	174.2	41,100*	66.8	173.1	35,100*	70.5	170.8	27,600*	100
	110	60.9	168.1	37,400*	63.2	167.0	32,400*	66.9	164.7	25,900*	110
	120	57.2	161.2	34,300*	59.5	160.0	30,000*	63.2	157.7	24,300*	120
	130	53.4	153.2	31,700*	55.6	151.9	28,000*	59.2	149.6	23,000*	130
	140	49.3	144.0	29,400*	51.5	142.6	26,200*				140
	150	44.8	133.3	27,400*	47.0	131.8	24,700*				150
	160	40.0	120.7	25,700*							160
130	50	81.2	204.0	81,800*							50
	55	79.7	202.8	75,100*							55
	60	78.2	201.5	69,400*	80.5	200.5	54,200*				60
	65	76.7	200.0	64,500*	79.0	199.0	51,000*				65
	70	75.2	198.4	60,200*	77.5	197.4	48,200*	81.2	195.0	35,500*	70
	75	73.7	196.7	56,400*	76.0	195.6	45,700*	79.7	193.2	34,000*	75
	80	72.2	194.8	53,100*	74.4	193.7	43,500*	78.1	191.3	32,700*	80
	85	70.6	192.7	50,100*	72.9	191.7	41,400*	76.5	189.3	31,500*	85
	90	69.0	190.5	47,400*	71.3	189.4	39,500*	74.9	187.1	30,300*	90
	95	67.4	188.1	45,000*	69.7	187.0	37,800*	73.3	184.7	29,300*	95
	100	65.8	185.6	42,900*	68.1	184.5	36,300*	71.7	182.1	28,300*	100
	110	62.5	179.9	39,100*	64.8	178.8	33,500*	68.3	176.4	26,500*	110
	120	59.1	173.4	35,900*	61.3	172.2	31,100*	64.8	169.8	25,000*	120
	130	55.6	166.1	33,100*	57.7	164.8	29,000*	61.2	162.4	23,600*	130
	140	51.8	157.7	30,800*	54.0	156.3	27,200*	57.3	153.9	22,400*	140
	150	47.8	148.0	28,700*	50.0	146.6	25,700*				150
	160	43.6	136.9	26,900*	45.6	135.4	24,300*				160
	170	38.8	123.9	25,300*							170
140	55	80.2	213.1	77,300*							55
	60	78.8	211.8	71,500*	81.0	210.8	55,300*				60
	65	77.4	210.5	66,600*	79.6	209.4	52,200*				65
	70	75.9	208.9	62,200*	78.1	207.9	49,400*				70
	75	74.5	207.3	58,400*	76.7	206.2	46,900*	80.2	203.7	34,600*	75
	80	73.1	205.5	55,000*	75.2	204.4	44,600*	78.7	201.9	33,200*	80
	85	71.6	203.5	52,000*	73.8	202.4	42,600*	77.2	200.0	32,000*	85
	90	70.1	201.4	49,300*	72.3	200.3	40,700*	75.7	197.9	30,900*	90
	95	68.6	199.2	46,800*	70.8	198.1	39,000*	74.2	195.6	29,800*	95
	100	67.1	196.8	44,600*	69.2	195.7	37,400*	72.6	193.2	28,900*	100
	110	64.0	191.5	40,700*	66.1	190.3	34,600*	69.5	187.8	27,100*	110
	120	60.8	185.4	37,400*	62.9	184.2	32,100*	66.2	181.7	25,600*	120
	130	57.5	178.6	34,500*	59.6	177.3	30,100*	62.8	174.8	24,200*	130
	140	54.0	170.8	32,100*	56.1	169.5	28,200*	59.3	167.0	23,000*	140
	150	50.4	162.0	30,000*	52.4	160.6	26,600*	55.6	158.0	22,000*	150
	160	46.5	152.0	28,100*	48.5	150.5	25,200*				160
	170	42.4	140.5	26,500*							170
	180	37.8	127.0	24,100							180

MANITOWOC ENGINEERING CO.

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LIFTCRANE JIB CAPACITIES

MEETS
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4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

70 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
150	55	80.6	223.3	79,400*							55
	60	79.3	222.1	73,600*							60
	65	78.0	220.8	68,600*	80.1	219.7	53,200*				65
	70	76.6	219.4	64,200*	78.7	218.3	50,400*				70
	75	75.2	217.8	60,300*	77.3	216.7	48,000*	80.7	214.1	35,000*	75
	80	73.9	216.1	56,900*	75.9	215.0	45,700*	79.3	212.4	33,700*	80
	85	72.5	214.3	53,800*	74.6	213.1	43,600*	77.8	210.6	32,500*	85
	90	71.1	212.3	51,000*	73.1	211.1	41,800*	76.4	208.6	31,400*	90
	95	69.7	210.2	48,500*	71.7	209.0	40,000*	75.0	206.5	30,400*	95
	100	68.2	207.9	46,200*	70.3	206.7	38,400*	73.5	204.2	29,400*	100
	110	65.3	202.9	42,200*	67.3	201.7	35,600*	70.5	199.1	27,700*	110
	120	62.3	197.2	38,800*	64.3	196.0	33,200*	67.5	193.4	26,200*	120
	130	59.2	190.8	35,900*	61.2	189.5	31,000*	64.3	186.9	24,800*	130
	140	56.0	183.6	33,400*	58.0	182.2	29,200*	61.0	179.6	23,600*	140
	150	52.6	175.5	31,300*	54.6	174.1	27,500*	57.6	171.4	22,500*	150
	160	49.1	166.3	28,800*	51.0	164.8	26,100*				160
	170	45.3	155.9	25,900*	47.2	154.3	24,800*				170
	180	41.3	143.9	23,200*							180
160	55	81.1	233.6	81,400*							55
	60	79.8	232.4	75,600*							60
	65	78.5	231.2	70,500*	80.5	230.1	54,200*				65
	70	77.2	229.8	66,100*	79.2	228.7	51,500*				70
	75	75.9	228.3	62,200*	77.9	227.2	49,000*	81.1	224.5	35,500*	75
	80	74.6	226.7	58,700*	76.6	225.5	46,700*	79.8	222.9	34,200*	80
	85	73.3	224.9	55,500*	75.3	223.8	44,700*	78.4	221.1	33,000*	85
	90	71.9	223.0	52,700*	73.9	221.9	42,800*	77.1	219.2	31,900*	90
	95	70.6	221.0	50,100*	72.6	219.8	41,100*	75.7	217.2	30,900*	95
	100	69.2	218.9	47,800*	71.2	217.7	39,500*	74.3	215.1	30,000*	100
	110	66.5	214.1	43,700*	68.4	212.9	36,600*	71.5	210.3	28,200*	110
	120	63.6	208.8	40,300*	65.6	207.5	34,100*	68.6	204.9	26,700*	120
	130	60.7	202.7	37,300*	62.7	201.4	32,000*	65.6	198.8	25,300*	130
	140	57.7	196.0	34,700*	59.6	194.7	30,100*	62.6	192.0	24,100*	140
	150	54.6	188.4	32,000*	56.5	187.0	28,400*	59.4	184.3	23,100*	150
	160	51.3	179.9	28,600*	53.2	178.5	26,900*	56.0	175.7	22,100*	160
	170	47.9	170.4	25,600*	49.7	168.9	25,600*				170
	180	44.2	159.6	22,900*	46.0	158.0	23,400*				180
	190	40.3	147.3	20,600*							190
170	60	80.2	242.7	77,500*							60
	65	79.0	241.5	72,400*	80.9	240.3	55,100*				65
	70	77.8	240.2	67,900*	79.7	239.0	52,400*				70
	75	76.5	238.7	64,000*	78.4	237.6	50,000*	81.5	234.9	35,900*	75
	80	75.3	237.2	60,400*	77.2	236.0	47,700*	80.2	233.3	34,700*	80
	85	74.0	235.5	57,200*	75.9	234.3	45,700*	78.9	231.6	33,500*	85
	90	72.7	233.7	54,400*	74.6	232.5	43,800*	77.6	229.8	32,400*	90
	95	71.5	231.8	51,800*	73.3	230.6	42,000*	76.3	227.9	31,400*	95
	100	70.2	229.7	49,400*	72.0	228.5	40,400*	75.0	225.9	30,500*	100
	110	67.5	225.2	45,200*	69.4	224.0	37,600*	72.4	221.3	28,700*	110
	120	64.9	220.2	41,700*	66.7	218.9	35,100*	69.6	216.2	27,200*	120
	130	62.1	214.5	38,600*	64.0	213.2	32,900*	66.8	210.5	25,900*	130
	140	59.3	208.1	35,000*	61.1	206.8	31,000*	63.9	204.1	24,700*	140
	150	56.4	201.0	31,100*	58.2	199.7	29,300*	60.9	196.9	23,600*	150
	160	53.3	193.1	27,700*	55.1	191.7	27,800*	57.8	188.9	22,600*	160
	170	50.1	184.3	24,700*	51.9	182.8	25,300*				170
	180	46.8	174.4	22,100*	48.5	172.8	22,600*				180
	190	43.2	163.3	19,700*	44.9	161.6	20,200*				190
	200	39.3	150.5	17,600*							200

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

70 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
180	60	80.6	282.9	79,400*							60
	65	79.4	251.8	74,200*							65
	70	78.3	250.5	69,700*	80.1	249.3	53,300*				70
	75	77.1	249.1	65,700*	78.9	248.0	50,900*				75
	80	75.9	247.6	62,100*	77.7	246.5	48,700*	80.6	243.7	35,100*	80
	85	74.7	246.0	58,900*	76.5	244.9	46,600*	79.4	242.1	33,900*	85
	90	73.5	244.3	56,000*	75.3	243.1	44,700*	78.2	240.4	32,900*	90
	95	72.2	242.5	53,300*	74.1	241.3	43,000*	76.9	238.5	31,900*	95
	100	71.0	240.5	50,900*	72.8	239.3	41,400*	75.7	236.6	30,900*	100
	110	68.5	236.3	46,700*	70.3	235.0	38,500*	73.1	232.3	29,200*	110
	120	66.0	231.4	43,100*	67.7	230.2	36,000*	70.5	227.4	27,700*	120
190	130	63.4	226.0	39,000*	65.1	224.7	33,800*	67.9	222.0	26,400*	130
	140	60.7	220.0	34,400*	62.4	218.7	31,800*	65.2	215.9	25,200*	140
	150	57.9	213.4	30,500*	59.7	212.0	30,100*	62.3	209.2	24,100*	150
	160	55.1	206.0	27,100*	56.8	204.5	27,800*	59.4	201.7	23,100*	160
	170	52.1	197.8	24,100*	53.8	196.3	24,700*	56.4	193.3	22,200*	170
	180	49.0	188.6	21,400*	50.7	187.0	22,000*				180
	190	45.7	178.4	19,100*	47.3	176.7	19,600*				190
	200	42.2	166.9	17,000*							200
	210	38.4	153.8	15,100*							210
200	60	81.0	263.1	81,100*							60
	65	79.9	262.0	76,000*							65
	70	78.7	260.8	71,400*	80.5	259.6	54,200*				70
	75	77.6	259.5	67,400*	79.4	258.3	51,800*				75
	80	76.4	258.1	63,800*	78.2	256.9	49,600*	81.0	254.0	35,500*	80
	85	75.3	256.5	60,500*	77.0	255.3	47,500*	79.8	252.5	34,300*	85
	90	74.1	254.9	57,600*	75.9	253.7	45,600*	78.7	250.9	33,300*	90
	95	73.0	253.2	54,900*	74.7	251.9	43,900*	77.5	249.1	32,300*	95
	100	71.8	251.3	52,400*	73.5	250.0	42,300*	76.3	247.2	31,400*	100
	110	69.4	247.2	48,100*	71.1	245.9	39,400*	73.8	243.1	29,700*	110
	120	67.0	242.6	43,600*	68.7	241.3	36,900*	71.4	238.5	28,200*	120
220	130	64.5	237.5	38,200*	66.2	236.1	34,600*	68.9	233.3	26,900*	130
	140	61.9	231.8	33,600*	63.6	230.4	32,700*	66.3	227.6	25,600*	140
	150	59.3	225.5	29,600*	61.0	224.1	30,500*	63.6	221.2	24,600*	150
	160	56.6	218.5	26,200*	58.3	217.1	27,000*	60.9	214.2	23,600*	160
	170	53.9	210.8	23,200*	55.5	209.3	23,900*	58.0	206.4	22,700*	170
	180	51.0	202.3	20,600*	52.6	200.7	21,200*				180
	190	47.9	192.8	18,200*	49.5	191.2	18,800*				190
	200	44.7	182.2	16,100*	46.3	180.5	16,600*				200
	210	41.3	170.4	14,200*							210
220	65	80.2	272.3	77,700*	80.9	269.9	55,100*				65
	70	79.1	271.1	73,100*	79.8	268.6	52,600*				70
	75	78.1	269.8	69,000*	78.7	267.3	50,400*	81.4	264.4	35,800*	75
	80	77.0	268.5	65,400*	77.5	265.8	48,400*	80.2	262.9	34,700*	80
	85	75.8	267.0	62,100*	76.4	264.2	46,500*	79.1	261.3	33,700*	85
	90	74.7	265.4	59,100*	75.3	262.5	44,800*	78.0	259.6	32,700*	90
	95	73.6	263.7	56,400*	74.2	260.7	43,200*	76.8	257.8	31,800*	95
	100	72.5	262.0	53,900*	71.9	256.8	40,300*	74.5	253.9	30,100*	100
	110	70.2	258.0	49,500*	69.5	252.3	37,700*	72.1	249.5	28,600*	110
	120	67.9	253.6	43,700*	67.2	247.4	35,500*	69.7	244.6	27,300*	120
	130	65.5	248.7	38,200*	64.7	242.0	33,500*	67.3	239.1	26,100*	130

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4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

70 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
210	65	80.6	282.5	79,300*							65
	70	79.5	281.4	74,700*							70
	75	78.5	280.2	70,600*	80.1	278.9	53,500*				75
	80	77.4	278.8	66,900*	79.1	277.6	51,300*				80
	85	76.4	277.4	63,600*	78.0	276.2	49,200*	80.6	273.3	35,100*	85
	90	75.3	275.9	60,600*	76.9	274.7	47,400*	79.5	271.7	34,100*	90
	95	74.2	274.3	57,800*	75.9	273.0	45,600*	78.4	270.1	33,100*	95
	100	73.1	272.6	55,300*	74.8	271.3	44,000*	77.3	268.4	32,200*	100
	110	71.0	268.8	49,400*	72.6	267.5	41,100*	75.1	264.6	30,600*	110
	120	68.7	264.6	42,900*	70.3	263.3	38,500*	72.8	260.4	29,100*	120
	130	66.5	259.9	37,400*	68.1	258.6	36,300*	70.5	255.7	27,800*	130
	140	64.2	254.8	32,800*	65.7	253.4	33,900*	68.2	250.5	26,500*	140
	150	61.8	249.1	28,900*	63.4	247.7	29,800*	65.8	244.7	25,500*	150
	160	59.4	242.8	25,500*	60.9	241.4	26,300*	63.3	238.4	24,500*	160
	170	56.9	235.9	22,500*	58.4	234.4	23,200*	60.8	231.4	23,600*	170
	180	54.3	228.4	19,800*	55.9	226.8	20,500*	58.2	223.8	21,500*	180
	190	51.7	220.1	17,500*	53.2	218.5	18,100*	55.5	215.4	18,900*	190
	200	48.9	210.9	15,400*	50.4	209.3	15,900*				200
220	210	46.0	200.9	13,500*	47.4	199.1	14,000*				210
	220	42.9	189.7	11,800*							220
	230	39.6	177.2	10,200*							230
230	65	80.9	292.7	80,900*							65
	70	79.9	291.6	76,300*							70
	75	78.9	290.4	72,200*	80.5	289.2	54,200*				75
	80	77.9	289.2	68,500*	79.5	287.9	52,000*				80
	85	76.9	287.8	65,100*	78.4	286.6	50,000*	80.9	283.6	35,400*	85
	90	75.8	286.4	62,000*	77.4	285.1	48,200*	79.9	282.1	34,400*	90
	95	74.8	284.8	59,300*	76.4	283.5	46,400*	78.8	280.6	33,500*	95
	100	73.7	283.2	56,700*	75.3	281.9	44,800*	77.8	278.9	32,600*	100
	110	71.6	279.5	48,800*	73.2	278.2	41,900*	75.7	275.3	31,000*	110
	120	69.5	275.5	42,300*	71.1	274.2	39,300*	73.5	271.2	29,500*	120
	130	67.3	271.0	36,800*	68.9	269.7	37,100*	71.3	266.7	28,200*	130
	140	65.1	266.1	32,200*	66.7	264.7	33,300*	69.0	261.7	27,000*	140
	150	62.9	260.6	28,300*	64.4	259.2	29,300*	66.7	256.3	25,900*	150
	160	60.6	254.7	24,800*	62.1	253.2	25,700*	64.4	250.2	24,900*	160
	170	58.2	248.1	21,800*	59.7	246.7	22,700*	62.0	243.6	23,800*	170
	180	55.8	241.0	19,200*	57.3	239.5	19,900*	59.5	236.4	20,900*	180
	190	53.3	233.1	16,800*	54.7	231.6	17,500*	57.0	228.5	18,400*	190
	200	50.7	224.6	14,700*	52.1	222.9	15,300*				200
240	210	48.0	215.2	12,800*	49.4	213.5	13,400*				210
	220	45.1	204.8	11,100*	46.5	203.0	11,600*				220
	230	42.1	193.3	9,600*							230
	240	38.9	180.5	8,100*							240
250	70	80.3	301.8	77,800*							70
	75	79.3	300.7	73,700*							75
	80	78.3	299.5	69,900*	79.8	298.2	52,800*				80
	85	77.3	298.2	66,600*	78.8	296.9	50,800*	81.3	293.9	35,800*	85
	90	76.3	296.8	63,500*	77.8	295.5	48,900*	80.3	292.5	34,800*	90
	95	75.3	295.3	60,700*	76.8	294.0	47,200*	79.2	291.0	33,900*	95
	100	74.3	293.7	58,000*	75.8	292.4	45,600*	78.2	289.4	33,000*	100
	110	72.3	290.2	48,000*	73.8	288.9	42,700*	76.2	285.9	31,400*	110
	120	70.2	286.3	41,500*	71.7	285.0	40,100*	74.1	282.0	29,900*	120
	130	68.2	282.0	36,000*	69.6	280.7	37,300*	72.0	277.7	28,600*	130
	140	66.0	277.3	31,400*	67.5	275.9	32,600*	69.8	272.9	27,400*	140
	150	63.9	272.1	27,500*	65.4	270.7	28,500*	67.6	267.7	26,300*	150
	160	61.7	266.4	24,000*	63.1	264.9	25,000*	65.4	261.9	25,300*	160
	170	59.4	260.1	21,000*	60.9	258.7	21,900*	63.1	255.6	23,100*	170
	180	57.1	253.3	18,400*	58.5	251.8	19,200*	60.7	248.7	20,200*	180
	190	54.7	245.9	16,000*	56.2	244.4	16,700*	58.3	241.2	17,700*	190
	200	52.3	237.8	13,900*	53.7	236.2	14,600*	55.8	233.0	15,400*	200
	210	49.7	229.0	12,000*	51.1	227.3	12,600*				210
	220	47.1	219.3	10,300*	48.4	217.5	10,800*				220
	230	44.3	208.6	8,700*	45.6	206.8	9,200*				230
	240	41.3	196.8	7,300*							240
	250	38.2	183.7	6,000*							250

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BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
240	70	80.6	312.1	79,300*	81.1	309.7	55,700*				70
	75	79.6	311.0	75,100*	80.2	308.5	53,500*				75
	80	78.7	309.8	71,400*	79.2	307.2	51,500*				80
	85	77.7	308.5	68,000*	78.2	305.9	49,700*	80.6	302.8	35,100*	85
	90	76.8	307.2	64,900*	77.3	304.4	48,000*	79.6	301.4	34,200*	90
	95	75.8	305.7	60,400*	76.3	302.9	46,400*	78.6	299.8	33,300*	95
	100	74.8	304.2	55,700*	74.3	299.5	43,400*	76.6	296.5	31,700*	100
	110	72.9	300.8	47,700*	72.4	295.8	40,900*	74.6	292.7	30,300*	110
	120	70.9	297.1	41,100*	70.4	291.6	37,000*	72.6	288.6	29,000*	120
	130	68.9	293.0	35,700*	68.3	287.0	32,200*	70.5	284.0	27,800*	130
	140	66.9	288.4	31,000*	66.2	282.0	28,200*	68.4	278.9	26,700*	140
	150	64.8	283.4	27,100*	64.1	276.5	24,600*	66.3	273.4	25,700*	150
	160	62.7	277.9	23,700*	61.9	270.5	21,600*	64.1	267.4	22,800*	160
	170	60.5	272.0	20,700*	59.7	264.0	18,800*	61.9	260.9	19,900*	170
	180	58.3	265.5	18,000*	57.4	256.9	16,400*	59.6	253.7	17,400*	180
	190	56.1	258.4	15,600*	55.1	249.2	14,200*	57.2	246.0	15,100*	190
	200	53.7	250.8	13,500*	52.7	240.8	12,300*				200
	210	51.3	242.4	11,600*	50.2	231.6	10,500*				210
	220	48.8	233.3	9,900*	47.5	221.5	8,900*				220
	230	46.2	223.3	8,400*	44.8	210.5	7,400*				230
	240	43.5	212.4	6,900*							240
	250	40.6	200.3	5,600*							250
250	70	80.9	322.3	80,800*	80.5	318.8	54,200*				70
	75	80.0	321.2	76,600*	79.6	317.6	52,300*				75
	80	79.0	320.1	72,800*	78.6	316.2	50,400*	80.9	313.1	35,400*	80
	85	78.1	318.8	69,300*	77.7	314.8	48,700*	79.9	311.7	34,500*	85
	90	77.2	317.5	65,000*	76.8	313.3	47,100*	79.0	310.3	33,700*	90
	95	76.3	316.1	59,700*	74.9	310.1	44,200*	77.1	307.0	32,100*	95
	100	75.3	314.7	54,900*	72.9	306.5	41,600*	75.2	303.4	30,600*	100
	110	73.4	311.4	46,900*	71.0	302.5	36,300*	73.2	299.4	29,300*	110
	120	71.5	307.8	40,400*	69.0	298.0	31,500*	71.2	295.0	28,200*	120
	130	69.6	303.8	34,900*	67.0	293.2	27,400*	69.2	290.1	27,100*	130
	140	67.7	299.4	30,300*	65.0	287.9	23,900*	67.1	284.8	25,300*	140
	150	65.7	294.6	26,300*	62.9	282.2	20,800*	65.0	279.1	22,100*	150
	160	63.6	289.4	22,900*	60.8	276.0	18,100*	62.9	272.8	19,200*	160
	170	61.6	283.7	19,900*	58.6	269.2	15,600*	60.7	266.0	16,700*	170
	180	59.5	277.5	17,200*	56.4	261.8	13,500*	58.4	258.6	14,400*	180
	190	57.3	270.7	14,900*	54.1	253.9	11,500*	56.1	250.6	12,400*	190
	200	55.1	263.4	12,700*	51.7	245.2	9,700*				200
	210	52.8	255.5	10,800*	49.3	235.8	8,100*				210
	220	50.4	246.9	9,100*	46.7	225.5	6,600*				220
	230	48.0	237.5	7,500*							230
	240	45.4	227.3	6,100*							240
	250	42.7	216.1	4,800*							250
260	75	80.3	331.4	78,000*	80.8	329.0	54,900*				75
	80	79.4	330.3	74,100*	79.9	327.8	52,900*				80
	85	78.5	329.1	70,500*	79.0	326.6	51,100*	81.2	323.4	35,700*	85
	90	77.6	327.9	64,400*	78.1	325.2	49,400*	80.3	322.1	34,800*	90
	95	76.7	326.5	59,100*	77.2	323.8	47,800*	79.4	320.6	34,000*	95
	100	75.8	325.1	54,400*	75.3	320.6	44,900*	77.5	317.5	32,400*	100
	110	74.0	322.0	46,300*	73.5	317.1	41,300*	75.6	314.0	31,000*	110
	120	72.1	318.5	39,800*	71.6	313.3	35,700*	73.7	310.1	29,700*	120
	130	70.3	314.6	34,300*	69.7	309.0	31,000*	71.8	305.9	28,500*	130
	140	68.4	310.4	29,700*	67.8	304.3	26,900*	69.9	301.2	27,400*	140
	150	66.5	305.8	25,700*	65.8	299.3	23,300*	67.9	296.2	24,800*	150
	160	64.5	300.7	22,200*	63.9	293.8	20,200*	65.9	290.6	21,600*	160
	170	62.5	295.2	19,200*	61.8	287.8	17,500*	63.8	284.6	18,700*	170
	180	60.5	289.3	16,600*	59.7	281.3	15,100*	61.7	278.1	16,200*	180
	190	58.4	282.8	14,200*	57.6	274.3	12,900*	59.6	271.1	13,900*	190
	200	56.3	275.9	12,100*	55.4	266.7	10,900*	57.4	263.4	11,800*	200
	210	54.1	268.3	10,200*	53.2	258.5	9,100*				210
	220	51.9	260.2	8,500*	50.8	249.6	7,500*				220
	230	49.6	251.3	6,900*	48.4	239.9	6,000*				230
	240	47.2	241.7	5,500*	45.9	229.3	4,600*				240
	250	44.7	231.2	4,200*							250

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

80 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
120	55	79.8	202.9	68,200*							55
	60	78.3	201.6	62,700*	81.0	200.6	49,100*				60
	65	76.8	200.1	58,000*	79.5	199.1	46,100*				65
	70	75.3	198.5	54,000*	78.0	197.5	43,400*				70
	75	73.8	196.8	50,400*	76.4	195.8	41,000*	80.6	193.3	30,500*	75
	80	72.3	194.9	47,300*	74.9	193.8	38,800*	79.1	191.4	29,200*	80
	85	70.7	192.8	44,500*	73.3	191.8	36,900*	77.5	189.4	28,000*	85
	90	69.1	190.6	42,000*	71.8	189.5	35,100*	75.9	187.2	26,900*	90
	95	67.5	188.2	39,800*	70.2	187.2	33,500*	74.3	184.8	25,800*	95
	100	65.9	185.7	37,700*	68.5	184.6	32,000*	72.6	182.2	24,900*	100
	110	62.6	180.0	34,200*	65.2	178.9	29,400*	69.3	176.5	23,200*	110
	120	59.2	173.5	31,300*	61.8	172.4	27,100*	65.8	170.0	21,700*	120
	130	55.7	166.2	28,700*	58.2	165.0	25,200*	62.1	162.5	20,400*	130
	140	51.9	157.8	26,600*	54.4	156.5	23,600*	58.3	154.0	19,300*	140
	150	48.0	148.1	24,700*	50.4	146.8	22,100*				150
130	160	43.7	137.0	23,100*	46.1	135.5	20,800*				160
	170	39.0	124.0	21,600*							170
	55	80.3	213.2	70,300*							55
	60	78.9	211.9	64,800*							60
	65	77.5	210.5	60,000*	80.0	209.5	47,100*				65
	70	76.0	209.0	55,900*	78.6	208.0	44,500*				70
	75	74.6	207.3	52,300*	77.1	206.3	42,100*	81.1	203.8	30,900*	75
	80	73.1	205.6	49,100*	75.7	204.5	39,900*	79.6	202.0	29,700*	80
	85	71.7	203.6	46,200*	74.2	202.5	37,900*	78.1	200.0	28,500*	85
	90	70.2	201.5	43,700*	72.7	200.4	36,100*	76.6	197.9	27,400*	90
	95	68.7	199.3	41,400*	71.2	198.2	34,500*	75.1	195.7	26,400*	95
	100	67.2	196.9	39,300*	69.7	195.8	33,000*	73.6	193.3	25,400*	100
	110	64.1	191.5	35,700*	66.6	190.4	30,400*	70.4	187.9	23,800*	110
	120	60.9	185.5	32,600*	63.4	184.3	28,100*	67.2	181.8	22,300*	120
	130	57.6	178.7	30,100*	60.0	177.4	26,200*	63.8	174.9	21,000*	130
140	140	54.1	170.9	27,800*	56.5	169.6	24,500*	60.2	167.0	19,900*	140
	150	50.5	162.1	25,900*	52.9	160.8	23,000*	56.5	158.1	18,900*	150
	160	46.6	152.1	24,200*	49.0	150.7	21,600*				160
	170	42.5	140.6	22,700*	44.8	139.0	20,500*				170
	180	37.9	127.1	21,400*							180
	55	80.7	223.4	72,400*							55
	60	79.4	222.2	66,800*							60
	65	78.0	220.9	62,000*	80.5	219.8	48,100*				65
	70	76.7	219.5	57,800*	79.1	218.4	45,500*				70
	75	75.3	217.9	54,100*	77.7	216.8	43,100*	81.5	214.2	31,400*	75
	80	73.9	216.2	50,800*	76.4	215.1	40,900*	80.1	212.5	30,100*	80
	85	72.6	214.3	47,900*	75.0	213.2	38,900*	78.7	210.6	29,000*	85
	90	71.2	212.3	45,300*	73.5	211.2	37,100*	77.3	208.6	27,900*	90
	95	69.7	210.2	43,000*	72.1	209.1	35,500*	75.9	206.5	26,900*	95
	100	68.3	208.0	40,800*	70.7	206.8	34,000*	74.4	204.2	26,000*	100
	110	65.4	202.9	37,100*	67.8	201.8	31,300*	71.4	199.2	24,300*	110
	120	62.4	197.3	34,000*	64.7	196.1	29,000*	68.4	193.4	22,800*	120
	130	59.3	190.9	31,300*	61.6	189.6	27,100*	65.2	187.0	21,500*	130
	140	56.1	183.7	29,000*	58.4	182.4	25,300*	61.9	179.7	20,400*	140
	150	52.7	175.5	27,000*	55.0	174.2	23,800*	58.5	171.4	19,400*	150
	160	49.2	166.4	25,300*	51.4	164.9	22,400*	54.9	162.1	18,500*	160
	170	45.4	156.0	23,700*	47.6	154.4	21,200*				170
	180	41.4	144.0	22,300*							180

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

80 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
150	55	81.1	233.6	74,300*							55
	60	79.9	232.3	68,700*							60
	65	78.6	231.2	63,800*	80.9	230.1	49,000*				65
	70	77.3	229.9	59,600*	79.6	228.8	46,400*				70
	75	76.0	228.4	55,800*	78.3	227.2	44,000*				75
	80	74.7	226.7	52,500*	77.0	225.6	41,900*	80.6	222.9	30,500*	80
	85	73.4	225.0	49,600*	75.7	223.9	39,900*	79.3	221.1	29,400*	85
	90	72.0	223.1	46,900*	74.3	222.0	38,100*	77.9	219.3	28,300*	90
	95	70.7	221.1	44,500*	73.0	219.9	36,500*	76.5	217.2	27,400*	95
	100	69.3	218.9	42,300*	71.6	217.8	34,900*	75.2	215.1	26,400*	100
	110	66.6	214.2	38,500*	68.8	213.0	32,300*	72.3	210.3	24,800*	110
	120	63.7	208.8	35,300*	66.0	207.6	29,900*	69.5	204.9	23,300*	120
	130	60.8	202.8	32,600*	63.0	201.6	27,900*	66.5	198.8	22,000*	130
	140	57.8	196.1	30,200*	60.0	194.8	26,200*	63.4	192.0	20,900*	140
	150	54.7	188.5	28,200*	56.9	187.2	24,600*	60.2	184.3	19,900*	150
	160	51.4	180.0	26,300*	53.6	178.6	23,200*	56.9	175.7	19,000*	160
	170	48.0	170.5	24,700*	50.1	169.0	22,000*				170
	180	44.3	159.7	23,300*	46.4	158.1	20,900*				180
	190	40.4	147.4	21,100							190
160	60	80.3	242.7	70,500*							60
	65	79.1	241.5	65,600*							65
	70	77.8	240.2	61,300*	80.1	239.1	47,300*				70
	75	76.6	238.8	57,500*	78.8	237.7	44,900*				75
	80	75.3	237.2	54,200*	77.5	236.1	42,800*	81.0	233.3	30,900*	80
	85	74.1	235.6	51,200*	76.3	234.4	40,800*	79.7	231.6	29,800*	85
	90	72.8	233.8	48,500*	75.0	232.6	39,000*	78.4	229.8	28,800*	90
	95	71.5	231.9	46,000*	73.7	230.7	37,400*	77.1	227.9	27,800*	95
	100	70.2	229.8	43,800*	72.4	228.6	35,900*	75.8	225.8	26,900*	100
	110	67.6	225.3	39,900*	69.8	224.1	33,100*	73.2	221.3	25,300*	110
	120	64.9	220.2	36,600*	67.1	219.0	30,800*	70.4	216.2	23,800*	120
	130	62.2	214.5	33,800*	64.3	213.3	28,800*	67.6	210.5	22,500*	130
	140	59.4	208.2	31,400*	61.5	206.9	27,000*	64.7	204.1	21,400*	140
	150	56.4	201.1	29,300*	58.5	199.8	25,400*	61.7	196.9	20,400*	150
	160	53.4	193.2	27,400*	55.5	191.8	24,000*	58.6	188.9	19,400*	160
	170	50.2	184.4	25,800*	52.3	182.9	22,700*	55.4	179.9	18,600*	170
	180	46.9	174.5	23,200	48.9	173.0	21,600*				180
	190	43.3	163.4	20,800	45.3	161.7	20,600*				190
	200	39.4	150.7	18,700							200
170	60	80.7	253.0	72,300*							60
	65	79.5	251.8	67,400*							65
	70	78.3	250.6	63,000*	80.5	249.4	48,200*				70
	75	77.1	249.2	59,200*	79.3	248.0	45,800*				75
	80	76.0	247.7	55,800*	78.1	246.5	43,700*	81.4	243.7	31,300*	80
	85	74.7	246.1	52,700*	76.9	244.9	41,700*	80.2	242.1	30,200*	85
	90	73.5	244.4	50,000*	75.6	243.2	39,900*	78.9	240.3	29,200*	90
	95	72.3	242.6	47,500*	74.4	241.4	38,300*	77.7	238.5	28,200*	95
	100	71.1	240.6	45,200*	73.2	239.4	36,700*	76.4	236.5	27,300*	100
	110	68.6	236.3	41,300*	70.7	235.1	34,000*	73.9	232.2	25,700*	110
	120	66.0	231.5	37,900*	68.1	230.2	31,700*	71.3	227.4	24,300*	120
	130	63.4	226.1	35,000*	65.5	224.8	29,600*	68.7	221.9	23,000*	130
	140	60.8	220.1	32,500*	62.8	218.8	27,800*	65.9	215.9	21,800*	140
	150	58.0	213.5	30,400*	60.0	212.1	26,200*	63.1	209.1	20,800*	150
	160	55.2	206.1	27,900*	57.1	204.6	24,700*	60.2	201.6	19,900*	160
	170	52.2	197.8	24,900*	54.2	196.4	23,500*	57.2	193.3	19,100*	170
	180	49.1	188.7	22,300	51.0	187.1	22,300*				180
	190	45.8	178.5	20,000	47.7	176.8	20,500				190
	200	42.3	167.0	17,900	44.2	165.2	18,400				200
	210	38.5	153.9	16,000							210

MANITOWOC ENGINEERING CO.

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LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

80 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
180	60	81.1	263.2	74,000*							60
	65	79.9	262.1	69,000*							65
	70	78.8	260.9	64,700*	80.8	259.7	49,000*				70
	75	77.7	259.6	60,800*	79.7	258.4	46,600*				75
	80	76.5	258.1	57,300*	78.5	256.9	44,500*				80
	85	75.4	256.6	54,200*	77.4	255.4	42,500*	80.6	252.5	30,600*	85
	90	74.2	255.0	51,500*	76.2	253.8	40,700*	79.4	250.8	29,600*	90
	95	73.0	253.2	48,900*	75.0	252.0	39,100*	78.2	249.1	28,600*	95
	100	71.8	251.4	46,600*	73.9	250.1	37,600*	77.0	247.2	27,700*	100
	110	69.5	247.3	42,600*	71.5	246.0	34,800*	74.6	243.1	26,100*	110
	120	67.0	242.7	39,200*	69.0	241.4	32,500*	72.1	238.4	24,700*	120
	130	64.6	237.5	36,200*	66.5	236.2	30,400*	69.6	233.3	23,400*	130
	140	62.0	231.8	33,700*	64.0	230.5	28,600*	67.0	227.5	22,300*	140
	150	59.4	225.5	30,700*	61.4	224.2	26,900*	64.3	221.2	21,300*	150
	160	56.7	218.6	27,300*	58.7	217.1	25,500*	61.6	214.1	20,300*	160
190	170	53.9	210.9	24,300*	55.9	209.4	24,200*	58.8	206.3	19,500*	170
	180	51.0	202.3	21,700*	52.9	200.8	22,400*	55.8	197.6	18,700*	180
	190	48.0	192.9	19,300*	49.9	191.3	19,900*				190
	200	44.8	182.3	17,200*	46.6	180.6	17,800*				200
	210	41.4	170.5	15,300*							210
	220	37.7	157.0	13,600*							220
	65	80.3	272.3	70,700*							65
	70	79.2	271.2	66,300*							70
	75	78.1	269.9	62,400*	80.1	268.7	47,400*				75
	80	77.0	268.5	58,900*	79.0	267.3	45,300*				80
200	85	75.9	267.1	55,700*	77.9	265.8	43,400*	80.9	262.8	30,900*	85
	90	74.8	265.5	52,900*	76.8	264.3	41,600*	79.8	261.3	29,900*	90
	95	73.7	263.8	50,300*	75.6	262.6	39,900*	78.7	259.6	29,000*	95
	100	72.6	262.0	48,000*	74.5	260.8	38,400*	77.5	257.8	28,100*	100
	110	70.3	258.1	43,900*	72.2	256.8	35,600*	75.2	253.8	26,500*	110
	120	68.0	253.7	40,400*	69.9	252.4	33,300*	72.8	249.4	25,100*	120
	130	65.6	248.8	37,400*	67.5	247.5	31,200*	70.4	244.5	23,800*	130
	140	63.2	243.4	33,800*	65.1	242.1	29,300*	68.0	239.0	22,700*	140
	150	60.7	237.4	29,900*	62.6	236.0	27,700*	65.5	233.0	21,700*	150
	160	58.2	230.8	26,400*	60.0	229.4	26,200*	62.9	226.3	20,700*	160
210	170	55.5	223.6	23,500*	57.4	222.1	24,300*	60.2	219.0	19,900*	170
	180	52.8	215.6	20,800*	54.6	214.0	21,600*	57.4	210.8	19,100*	180
	190	50.0	206.7	18,500*	51.8	205.1	19,100*	54.5	201.9	18,400*	190
	200	47.0	197.0	16,400*	48.8	195.3	17,000*				200
	210	43.9	186.1	14,500*	45.6	184.3	15,000*				210
	220	40.5	173.9	12,800*							220
	65	80.7	282.6	72,300*							65
	70	79.6	281.4	67,800*							70
	75	78.6	280.2	63,900*	80.5	279.0	48,200*				75
	80	77.5	278.9	60,300*	79.4	277.7	46,100*				80
220	85	76.4	277.5	57,200*	78.3	276.3	44,100*	81.3	273.2	31,300*	85
	90	75.4	276.0	54,300*	77.3	274.7	42,300*	80.2	271.7	30,300*	90
	95	74.3	274.4	51,700*	76.2	273.1	40,700*	79.1	270.0	29,400*	95
	100	73.2	272.6	49,300*	75.1	271.4	39,200*	78.0	268.3	28,500*	100
	110	71.0	268.9	45,200*	72.9	267.6	36,400*	75.8	264.5	26,900*	110
	120	68.8	264.7	41,600*	70.7	263.4	34,000*	73.5	260.3	25,500*	120
	130	66.5	260.0	38,400*	68.4	258.7	31,900*	71.2	255.6	24,300*	130
	140	64.2	254.8	33,800*	66.1	253.5	30,000*	68.9	250.4	23,100*	140
	150	61.9	249.1	29,900*	63.7	247.7	28,400*	66.5	244.6	22,100*	150
	160	59.5	242.9	26,500*	61.3	241.4	26,900*	64.0	238.3	21,200*	160
230	170	57.0	236.0	23,500*	58.8	234.5	24,300*	61.5	231.3	20,300*	170
	180	54.4	228.4	20,900*	56.2	226.9	21,600*	58.9	223.7	19,500*	180
	190	51.7	220.2	18,500*	53.5	218.6	19,200*	56.1	215.3	18,800*	190
	200	49.0	211.0	16,400*	50.7	209.4	17,000*				200
	210	46.1	201.0	14,500*	47.8	199.2	15,100*				210
	220	43.0	189.8	12,800*	44.7	187.9	13,300*				220
	230	39.7	177.3	11,200*							230

MANITOWOC ENGINEERING CO.

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JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

80 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
210	65	81.0	292.8	73,800*							65
	70	80.0	291.7	69,300*							70
	75	79.0	290.5	65,400*	80.8	289.3	48,900*				75
	80	77.9	289.2	61,800*	79.8	288.0	46,800*				80
	85	76.9	287.9	58,600*	78.7	286.6	44,900*				85
	90	75.9	286.4	55,700*	77.7	285.2	43,100*	80.6	282.0	30,600*	90
	95	74.9	284.9	53,000*	76.7	283.6	41,400*	79.5	280.5	29,700*	95
	100	73.8	283.2	50,600*	75.6	281.9	39,900*	78.4	278.8	28,900*	100
	110	71.7	279.6	46,400*	73.5	278.3	37,200*	76.3	275.2	27,300*	110
	120	69.6	275.6	42,800*	71.4	274.2	34,700*	74.1	271.1	25,900*	120
	130	67.4	271.1	37,600*	69.2	269.7	32,600*	71.9	266.6	24,600*	130
	140	65.2	266.1	33,000*	67.0	264.8	30,700*	69.7	261.6	23,500*	140
	150	63.0	260.7	29,100*	64.7	259.3	29,100*	67.4	256.1	22,500*	150
	160	60.7	254.7	25,700*	62.4	253.3	26,700*	65.1	250.1	21,500*	160
	170	58.3	248.2	22,700*	60.0	246.7	23,600*	62.6	243.8	20,700*	170
220	180	55.9	241.0	20,000*	57.6	239.5	20,900*	60.2	236.3	19,900*	180
	190	53.3	233.2	17,700*	55.0	231.6	18,400*	57.6	228.3	19,200*	190
	200	50.7	224.7	15,600*	52.4	223.0	16,300*	54.9	219.6	17,100*	200
	210	48.0	215.2	13,700*	49.7	213.5	14,300*				210
	220	45.2	204.9	12,000*	46.8	203.1	12,500*				220
	230	42.2	193.4	10,400*							230
	240	39.0	180.6	9,000*							240
230	70	80.3	301.9	70,800*							70
	75	79.3	300.8	66,800*	81.1	299.5	49,600*				75
	80	78.4	299.6	63,200*	80.1	298.3	47,500*				80
	85	77.4	298.3	60,000*	79.1	297.0	45,600*				85
	90	76.4	296.8	57,000*	78.1	295.6	43,800*	80.9	292.4	30,900*	90
	95	75.4	295.4	54,400*	77.1	294.1	42,200*	79.9	290.9	30,000*	95
	100	74.4	293.8	51,900*	76.1	292.5	40,600*	78.9	289.3	29,200*	100
	110	72.4	290.3	47,600*	74.1	289.0	37,900*	76.8	285.8	27,600*	110
	120	70.3	286.4	42,500*	72.0	285.1	35,500*	74.7	281.9	26,300*	120
	130	68.2	282.1	37,000*	69.9	280.7	33,300*	72.6	277.6	25,000*	130
	140	66.1	277.3	32,400*	67.8	276.0	31,400*	70.5	272.8	23,900*	140
	150	63.9	272.1	28,500*	65.6	270.7	29,600*	68.3	267.5	22,900*	150
	160	61.7	266.4	25,000*	63.4	265.0	26,100*	66.0	261.8	21,900*	160
	170	59.5	260.2	22,100*	61.2	258.7	23,000*	63.7	255.5	21,100*	170
	180	57.2	253.4	19,400*	58.8	251.9	20,300*	61.4	248.6	20,300*	180
240	190	54.8	246.0	17,100*	56.5	244.4	17,800*	58.9	241.1	18,900*	190
	200	52.3	237.9	15,000*	54.0	236.3	15,700*	56.4	232.9	16,600*	200
	210	49.8	229.1	13,100*	51.4	227.4	13,700*				210
	220	47.1	219.4	11,300*	48.7	217.6	11,900*				220
	230	44.3	208.7	9,800*	45.9	206.9	10,300*				230
	240	41.4	196.9	8,400*							240
	250	38.2	183.8	7,000*							250
250	70	80.6	312.1	72,200*							70
	75	79.7	311.0	68,200*							75
	80	78.7	309.9	64,600*	80.5	308.6	48,200*				80
	85	77.8	308.6	61,300*	79.5	307.3	46,300*				85
	90	76.8	307.2	58,300*	78.5	305.9	44,500*	81.2	302.7	31,200*	90
	95	75.9	305.8	55,600*	77.6	304.5	42,900*	80.2	301.3	30,300*	95
	100	74.9	304.3	53,200*	76.6	302.9	41,300*	79.2	299.7	29,500*	100
	110	72.9	300.9	48,200*	74.6	299.6	38,600*	77.3	296.4	28,000*	110
	120	71.0	297.2	41,700*	72.7	295.8	36,200*	75.3	292.6	26,600*	120
	130	69.0	293.0	36,200*	70.6	291.7	34,000*	73.2	288.4	25,400*	130
	140	66.9	288.5	31,600*	68.6	287.1	32,100*	71.2	283.8	24,200*	140
	150	64.9	283.5	27,700*	66.5	282.0	28,900*	69.0	278.8	23,200*	150
	160	62.8	278.0	24,200*	64.4	276.6	25,300*	66.9	273.3	22,300*	160
	170	60.6	272.0	21,200*	62.2	270.6	22,200*	64.7	267.3	21,400*	170
	180	58.4	265.6	18,600*	60.0	264.0	19,500*	62.5	260.7	20,600*	180
260	190	56.1	258.5	16,200*	57.7	256.9	17,100*	60.2	253.6	18,200*	190
	200	53.8	250.8	14,100*	55.4	249.2	14,900*	57.8	245.8	15,900*	200
	210	51.4	242.5	12,200*	53.0	240.8	12,900*	55.3	237.3	13,800*	210
	220	48.9	233.4	10,500*	50.4	231.6	11,100*				220
	230	46.3	223.4	9,000*	47.8	221.6	9,500*				230
	240	43.5	212.5	7,500*	45.0	210.6	8,000*				240
	250	40.6	200.4	6,200*							250
	260	37.5	187.0	5,000*							260

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4600 SERIES 4

JIB NO. 125 WITH 18'9" STRUT ON
BOOM NO. 27B WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
120,000 LB. OR 123,000 LB. COUNTERWEIGHT
360 DEGREE RATING

80 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	3 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
240	70	80.9	322.3	73,600*							70
	75	80.0	321.3	69,600*							75
	80	79.1	320.1	65,900*	80.8	318.8	48,900*				80
	85	78.2	318.9	62,600*	79.8	317.6	47,000*				85
	90	77.3	317.6	59,600*	78.9	316.3	45,200*				90
	95	76.3	316.2	56,900*	78.0	314.9	43,600*	80.5	311.6	30,600*	95
	100	75.4	314.7	54,400*	77.0	313.4	42,000*	79.6	310.1	29,800*	100
	110	73.5	311.5	47,900	75.1	310.1	39,300*	77.7	306.9	28,300*	110
	120	71.6	307.9	41,300	73.2	306.5	36,800*	75.7	303.3	26,900*	120
	130	69.7	303.9	35,900	71.3	302.5	34,700*	73.8	299.2	25,700*	130
	140	67.7	299.5	31,200	69.3	298.1	32,600	71.8	294.8	24,600*	140
	150	65.7	294.7	27,300	67.3	293.3	28,500	69.8	290.0	23,600*	150
	160	63.7	289.4	23,900	65.3	288.0	25,000	67.7	284.7	22,600*	160
	170	61.6	283.7	20,900	63.2	282.3	21,900	65.6	278.9	21,800*	170
	180	59.5	277.5	18,200	61.1	276.0	19,200	63.5	272.7	20,400	180
	190	57.4	270.8	15,900	58.9	269.2	16,700	61.3	265.9	17,900	190
	200	55.2	263.5	13,700	56.7	261.9	14,500	59.0	258.5	15,600	200
	210	52.9	255.6	11,800	54.4	253.9	12,600	56.7	250.4	13,500	210
	220	50.5	247.0	10,100	52.0	245.3	10,800				220
	230	48.0	237.6	8,600	49.5	235.8	9,200				230
	240	45.5	227.4	7,100	47.0	225.5	7,700				240
250	250	42.8	216.2	5,800	44.2	214.2	6,300				250
	260	39.9	203.8	4,600							260
250	75	80.3	331.5	70,900*	81.0	329.1	49,500*				75
	80	79.4	330.4	67,200*	80.2	327.9	47,600*				80
	85	78.5	329.2	63,900*	79.3	326.6	45,800*				85
	90	77.6	327.9	60,900*	78.3	325.2	44,200*	80.8	321.9	30,900*	90
	95	76.7	326.6	58,100*	77.4	323.8	42,700*	79.9	320.5	30,100*	95
	100	75.8	325.2	55,200	75.6	320.7	39,900*	78.1	317.4	28,600*	100
	110	74.0	322.0	47,100	73.8	317.2	37,500*	76.2	313.9	27,300*	110
	120	72.2	318.5	40,600	71.9	313.3	35,300*	74.3	310.0	26,000*	120
	130	70.3	314.7	35,100	70.0	309.0	31,900	72.4	305.7	24,900*	130
	140	68.4	310.5	30,500	68.1	304.4	27,800	70.5	301.1	23,900*	140
260	150	66.5	305.8	26,500	66.1	299.3	24,300	68.5	296.0	23,000*	150
	160	64.6	300.8	23,100	64.1	293.8	21,200	66.5	290.5	22,100*	160
	170	62.6	295.3	20,100	62.1	287.8	18,400	64.4	284.5	19,800	170
	180	60.6	289.4	17,400	60.0	281.4	16,000	62.3	277.9	17,200	180
	190	58.5	282.9	15,100	57.9	274.3	13,800	60.1	270.9	14,900	190
	200	56.4	275.9	12,900	55.7	266.8	11,800	57.9	263.3	12,800	200
	210	54.2	268.4	11,000	53.4	258.5	10,000	55.6	255.0	11,000	210
	220	52.0	260.2	9,300	51.1	249.6	8,400				220
	230	49.6	251.4	7,800	48.7	239.9	6,900				230
	240	47.2	241.8	6,300	46.1	229.4	5,500				240
260	250	44.7	231.3	5,000							250
	75	80.6	341.7	72,200*							75
	80	79.8	340.6	68,500*	80.4	338.1	48,200*				80
	85	78.9	339.5	65,200*	79.6	336.9	46,500*				85
	90	78.0	338.3	62,100*	78.7	335.6	44,800*	81.1	332.2	31,200*	90
	95	77.1	336.9	59,300	77.8	334.2	43,300*	80.2	330.8	30,400*	95
	100	76.3	335.6	54,600	76.1	331.2	40,600*	78.5	327.8	28,900*	100
	110	74.5	332.5	46,500	74.3	327.8	38,100*	76.6	324.4	27,600*	110
	120	72.7	329.2	40,000	72.5	324.0	36,000*	74.8	320.7	26,400*	120
	130	70.9	325.4	34,500	70.6	319.9	31,300	73.0	316.6	25,200*	130
260	140	69.1	321.3	29,900	68.8	315.4	27,200	71.1	312.1	24,200*	140
	150	67.3	316.9	25,900	66.9	310.6	23,700	69.2	307.2	23,300*	150
	160	65.4	312.0	22,500	65.0	305.3	20,600	67.2	301.9	22,100	160
	170	63.5	306.7	19,400	63.0	299.5	17,800	65.3	296.1	19,200	170
	180	61.5	301.0	16,800	61.0	293.3	15,400	63.3	289.9	16,700	180
	190	59.6	294.9	14,400	59.0	286.6	13,200	61.2	283.1	14,400	190
	200	57.5	288.2	12,300	56.9	279.4	11,200	59.1	275.8	12,300	200
	210	55.5	281.0	10,400	54.7	271.5	9,400	56.9	268.0	10,400	210
	220	53.3	273.2	8,700	52.5	263.1	7,800	54.6	259.4	8,700	220
	230	51.1	264.8	7,100	50.2	253.9	6,300				230
260	240	48.8	255.7	5,700	47.8	244.0	4,900				240
	250	46.5	245.9	4,400							250