

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 6264-A OR NO. 6950-C. CAPACITIES FOR VARIOUS BOOM LENGTHS, JIB LENGTHS AND JIB OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

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

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM SURFACE WITH CRAWLERS FULLY EXTENDED AND GANTRY UP. REFER TO BOOM RIGGING NO. 48721, NO. 48722 OR NO. 190693, JIB ASSEMBLY NO. 43730 AND LOAD LINE SPECIFICATION CHART NO. 5345. 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 26' 6" EXTENDIBLE CRAWLERS, 48" TREADS, 17' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, 1ST CWT. = 41,900 LBS., 2ND CWT. = 41,500 LBS., 3RD CWT. = 39,000 LBS.

MAXIMUM CAPACITY ON 1-1/8" - 6 X 31 IPS, IWRC IS 28,300 LBS. PER LINE.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			
OVER END OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS	
BM. LGTH.	JIB NO. 123	BM. LGTH.	JIB NO. 123
260'	---	230'	---
250'	---	220'	30'
240'	40'	210'	60'
230'	60'		

LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
110	35	80.2	147.3	40,000*							35
	40	78.2	146.1	40,000*	80.2	145.4	40,000*				40
	45	76.1	144.7	40,000*	78.1	144.0	40,000*	80.0	142.5	40,000*	45
	50	74.0	143.1	40,000*	76.0	142.4	40,000*	77.9	140.9	40,000*	50
	55	71.9	141.3	40,000*	73.8	140.6	40,000*	75.7	139.1	40,000*	55
	60	69.7	139.3	40,000*	71.7	138.6	40,000*	73.5	137.0	40,000*	60
	65	67.6	137.0	40,000*	69.5	136.3	40,000*	71.3	134.8	40,000*	65
	70	65.3	134.6	40,000*	67.3	133.8	40,000*	69.0	132.2	40,000*	70
	75	63.1	131.9	40,000*	65.0	131.1	40,000*	66.7	129.5	40,000*	75
	80	60.7	128.9	40,000*	62.6	128.1	40,000*	64.3	126.4	39,200*	80
	90	55.9	122.0	35,900	57.8	121.2	36,400	59.4	119.5	36,500*	90
	100	50.7	113.8	31,000	52.6	113.0	31,300				100
	110	45.1	103.9	27,000	46.9	103.0	27,300				110
	120	38.8	91.7	23,700							120

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OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
120	40	79.0	156.4	40,000*							40
	45	77.0	155.1	40,000*	78.9	154.4	40,000*				45
	50	75.1	153.6	40,000*	76.9	152.9	40,000*	78.7	151.4	40,000*	50
	55	73.1	151.9	40,000*	75.0	151.2	40,000*	76.7	149.7	40,000*	55
	60	71.1	150.1	40,000*	73.0	149.3	40,000*	74.7	147.8	40,000*	60
	65	69.1	148.0	40,000*	70.9	147.3	40,000*	72.6	145.7	40,000*	65
	70	67.1	145.7	40,000*	68.9	145.0	40,000*	70.5	143.4	40,000*	70
	75	65.0	143.2	40,000*	66.8	142.5	40,000*	68.4	140.8	40,000*	75
	80	62.9	140.5	40,000*	64.6	139.7	40,000*	66.3	138.1	40,000*	80
	90	58.5	134.3	35,300	60.2	133.5	35,800	61.8	131.7	36,300	90
	100	53.8	126.9	30,300	55.6	126.1	30,700	57.0	124.2	31,100	100
	110	48.9	118.2	26,300	50.6	117.3	26,700				110
	120	43.5	107.7	23,100							120
	130	37.4	94.9	20,300							130
130	40	79.6	166.6	40,000*							40
	45	77.8	165.4	40,000*	79.6	164.7	40,000*				45
	50	76.0	164.0	40,000*	77.8	163.3	40,000*	79.4	161.8	40,000*	50
	55	74.2	162.5	40,000*	75.9	161.7	40,000*	77.6	160.2	40,000*	55
	60	72.3	160.7	40,000*	74.1	160.0	40,000*	75.7	158.4	40,000*	60
	65	70.5	158.8	40,000*	72.2	158.1	40,000*	73.8	156.5	40,000*	65
	70	68.6	156.7	40,000*	70.3	156.0	40,000*	71.8	154.3	40,000*	70
	75	66.6	154.4	40,000*	68.3	153.6	40,000*	69.9	152.0	40,000*	75
	80	64.7	151.9	40,000*	66.4	151.1	40,000*	67.9	149.4	40,000*	80
	90	60.6	146.2	35,000	62.3	145.4	35,600	63.8	143.6	36,000	90
	100	56.4	139.5	30,000	58.1	138.6	30,500	59.5	136.8	30,900	100
	110	52.0	131.6	26,100	53.6	130.7	26,400				110
	120	47.2	122.4	22,800	48.8	121.4	23,100				120
	130	42.0	111.4	20,000							130
140	40	80.3	176.8	40,000*							40
	45	78.6	175.7	40,000*	80.2	175.0	40,000*				45
	50	76.9	174.4	40,000*	78.5	173.7	40,000*	80.1	172.1	40,000*	50
	55	75.1	173.0	40,000*	76.8	172.2	40,000*	78.3	170.6	40,000*	55
	60	73.4	171.3	40,000*	75.0	170.6	40,000*	76.6	169.0	40,000*	60
	65	71.7	169.5	40,000*	73.3	168.8	40,000*	74.8	167.2	40,000*	65
	70	69.9	167.6	40,000*	71.5	166.8	40,000*	73.0	165.2	40,000*	70
	75	68.1	165.4	40,000*	69.7	164.6	40,000*	71.2	163.0	40,000*	75
	80	66.3	163.1	40,000*	67.8	162.3	40,000*	69.3	160.6	40,000*	80
	90	62.5	157.8	34,300	64.1	157.0	34,900	65.5	155.3	35,500	90
	100	58.7	151.7	29,400	60.2	150.8	29,900	61.6	149.0	30,300	100
	110	54.6	144.5	25,400	56.1	143.6	25,800	57.4	141.7	26,100	110
	120	50.3	136.2	22,100	51.8	135.2	22,400				120
	130	45.7	126.4	19,300	47.1	125.4	19,600				130
	140	40.7	114.9	17,000							140
150	45	79.2	186.0	40,000*							45
	50	77.6	184.7	40,000*	79.1	184.0	40,000*				50
	55	76.0	183.4	40,000*	77.5	182.6	40,000*	79.0	181.0	40,000*	55
	60	74.3	181.9	40,000*	75.9	181.1	40,000*	77.3	179.5	40,000*	60
	65	72.7	180.2	40,000*	74.2	179.4	40,000*	75.7	177.8	40,000*	65
	70	71.0	178.3	40,000*	72.5	177.5	40,000*	74.0	175.9	40,000*	70
	75	69.4	176.3	40,000*	70.9	175.5	40,000*	72.3	173.9	40,000*	75
	80	67.7	174.1	40,000*	69.1	173.3	40,000*	70.5	171.7	40,000*	80
	90	64.2	169.2	33,900	65.7	168.4	34,500	67.0	166.7	35,000	90
	100	60.6	163.5	28,900	62.0	162.6	29,400	63.4	160.9	29,900	100
	110	56.8	156.9	24,900	58.3	156.0	25,300	59.5	154.1	25,700	110
	120	52.9	149.3	21,600	54.3	148.4	22,000				120
	130	48.8	140.5	18,800	50.2	139.5	19,200				130
	140	44.3	130.3	16,500							140
	150	39.4	118.3	14,500							150

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OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
160	45	79.8	196.2	40,000*							45
	50	78.2	195.1	40,000*	79.7	194.3	40,000*				50
	55	76.7	193.8	40,000*	78.2	193.0	40,000*	79.6	191.4	40,000*	55
	60	75.2	192.3	40,000*	76.6	191.5	40,000*	78.0	189.9	40,000*	60
	65	73.6	190.7	40,000*	75.1	190.0	40,000*	76.4	188.3	40,000*	65
	70	72.1	189.0	40,000*	73.5	188.2	40,000*	74.9	186.6	40,000*	70
	75	70.5	187.1	40,000*	71.9	186.3	40,000*	73.3	184.7	40,000*	75
	80	68.9	185.1	39,600	70.3	184.2	40,000*	71.6	182.6	40,000*	80
	90	65.6	180.4	33,200	67.0	179.6	33,900	68.3	177.9	34,500	90
	100	62.3	175.1	28,300	63.7	174.3	28,800	64.9	172.5	29,300	100
	110	58.8	169.0	24,200	60.2	168.1	24,700	61.4	166.3	25,200	110
	120	55.2	162.0	21,000	56.5	161.1	21,400	57.7	159.1	21,800	120
	130	51.4	154.0	18,200	52.7	153.0	18,600				130
	140	47.4	144.8	15,900	48.7	143.7	16,200				140
	150	43.0	134.1	13,900							150
	160	38.3	121.6	12,200							160
170	45	80.3	206.4	40,000*							45
	50	78.8	205.3	40,000*	80.2	204.6	40,000*				50
	55	77.4	204.1	40,000*	78.8	203.3	40,000*	80.1	201.7	40,000*	55
	60	75.9	202.7	40,000*	77.3	202.0	40,000*	78.6	200.3	40,000*	60
	65	74.5	201.2	40,000*	75.8	200.4	40,000*	77.1	198.8	40,000*	65
	70	73.0	199.6	40,000*	74.4	198.8	40,000*	75.6	197.1	40,000*	70
	75	71.5	197.8	40,000*	72.9	197.0	40,000*	74.1	195.3	40,000*	75
	80	70.0	195.9	39,300	71.3	195.1	40,000*	72.6	193.4	40,000*	80
	90	66.9	191.5	32,900	68.3	190.7	33,600	69.5	189.0	34,300	90
	100	63.8	186.5	27,900	65.1	185.7	28,500	66.3	183.9	29,100	100
	110	60.5	180.8	23,900	61.8	179.9	24,400	63.0	178.1	24,900	110
	120	57.2	174.3	20,600	58.5	173.4	21,100	59.6	171.5	21,500	120
	130	53.7	166.9	17,900	54.9	166.0	18,300				130
	140	50.0	158.5	15,600	51.2	157.5	15,900				140
	150	46.1	148.9	13,600	47.3	147.8	13,900				150
	160	41.9	137.8	11,800							160
	170	37.3	124.9	10,300							170
180	50	79.4	215.6	40,000*							50
	55	78.0	214.4	40,000*	79.3	213.6	40,000*	80.6	212.0	40,000*	55
	60	76.6	213.1	40,000*	77.9	212.3	40,000*	79.2	210.7	40,000*	60
	65	75.2	211.7	40,000*	76.5	210.9	40,000*	77.8	209.2	40,000*	65
	70	73.8	210.1	40,000*	75.1	209.3	40,000*	76.4	207.7	40,000*	70
	75	72.4	208.4	40,000*	73.7	207.6	40,000*	74.9	206.0	40,000*	75
	80	71.0	206.6	38,700	72.3	205.8	39,600	73.5	204.1	40,000*	80
	90	68.1	202.5	32,300	69.3	201.7	33,100	70.5	199.9	33,800	90
	100	65.1	197.8	27,300	66.4	196.9	28,000	67.5	195.2	28,600	100
	110	62.1	192.4	23,300	63.3	191.5	23,900	64.4	189.7	24,400	110
	120	58.9	186.3	20,000	60.2	185.4	20,500	61.3	183.5	21,000	120
	130	55.7	179.5	17,300	56.9	178.5	17,700	57.9	176.6	18,100	130
	140	52.3	171.7	15,000	53.5	170.7	15,300				140
	150	48.7	162.9	13,000	49.9	161.8	13,300				150
	160	44.9	152.9	11,200							160
	170	40.8	141.4	9,700							170

LIFTCRANE JIB CAPACITIES

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4100W
4100W SERIES 1

JIB NO. 123 WITH 12' 6" STRUT ON
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OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
190	50	79.9	225.8	40,000*							50
	55	78.5	224.7	40,000*	79.8	223.9	40,000*				55
	60	77.2	223.5	40,000*	78.5	222.7	40,000*	79.7	221.0	40,000*	60
	65	75.9	222.1	40,000*	77.2	221.3	40,000*	78.3	219.6	40,000*	65
	70	74.6	220.6	40,000*	75.8	219.8	40,000*	77.0	218.1	40,000*	70
	75	73.2	219.0	40,000*	74.5	218.2	40,000*	75.6	216.5	40,000*	75
	80	71.9	217.3	38,300	73.1	216.4	39,200	74.3	214.7	40,000*	80
	90	69.1	213.4	31,900	70.3	212.5	32,600	71.5	210.8	33,300	90
	100	66.3	208.9	26,900	67.5	208.1	27,500	68.6	206.3	28,100	100
	110	63.4	203.9	22,800	64.6	203.0	23,400	65.7	201.2	24,000	110
	120	60.5	198.1	19,600	61.7	197.2	20,100	62.7	195.4	20,500	120
	130	57.4	191.7	16,800	58.6	190.8	17,300	59.6	188.8	17,700	130
	140	54.3	184.5	14,500	55.4	183.5	14,900				140
	150	51.0	176.3	12,500	52.1	175.3	12,800				150
	160	47.5	167.2	10,700	48.6	166.1	11,100				160
	170	43.8	156.8	9,200							170
	180	39.8	144.9	7,900							180
200	50	80.3	236.0	40,000*							50
	55	79.0	234.9	40,000*	80.3	234.1	40,000*				55
	60	77.8	233.8	40,000*	79.0	233.0	40,000*	80.1	231.3	40,000*	60
	65	76.5	232.5	40,000*	77.7	231.7	40,000*	78.9	230.0	40,000*	65
	70	75.2	231.1	40,000*	76.4	230.2	40,000*	77.6	228.6	40,000*	70
	75	74.0	229.5	40,000*	75.2	228.7	40,000*	76.3	227.0	40,000*	75
	80	72.7	227.9	37,700	73.9	227.0	38,600	75.0	225.3	39,500	80
	90	70.0	224.2	31,300	71.2	223.3	32,100	72.3	221.6	32,900	90
	100	67.4	219.9	26,300	68.6	219.1	27,000	69.6	217.3	27,600	100
	110	64.7	215.1	22,300	65.8	214.3	22,900	66.9	212.5	23,400	110
	120	61.9	209.7	19,000	63.0	208.8	19,500	64.0	207.0	20,000	120
	130	59.0	203.7	16,200	60.1	202.7	16,700	61.1	200.8	17,100	130
	140	56.0	196.9	13,900	57.2	195.9	14,300	58.1	194.0	14,700	140
	150	53.0	189.3	11,900	54.1	188.3	12,300				150
	160	49.7	180.8	10,100	50.8	179.8	10,500				160
	170	46.4	171.3	8,600	47.4	170.2	8,900				170
	180	42.8	160.6	7,300							180
	190	38.9	148.3	6,100							190
210	55	79.5	245.2	40,000*	80.7	244.4	40,000*				55
	60	78.3	244.1	40,000*	79.5	243.2	40,000*	80.6	241.6	40,000*	60
	65	77.1	242.8	40,000*	78.2	242.0	40,000*	79.3	240.3	40,000*	65
	70	75.9	241.5	40,000*	77.0	240.6	40,000*	78.1	239.0	40,000*	70
	75	74.6	240.0	40,000*	75.8	239.2	40,000*	76.9	237.5	40,000*	75
	80	73.4	238.4	37,300	74.5	237.6	38,300	75.6	235.9	39,200	80
	90	70.9	234.9	30,900	72.0	234.0	31,800	73.1	232.3	32,500	90
	100	68.4	230.9	25,900	69.5	230.0	26,700	70.5	228.2	27,300	100
	110	65.8	226.3	21,900	66.9	225.4	22,500	67.9	223.6	23,100	110
	120	63.1	221.2	18,600	64.2	220.3	19,200	65.2	218.4	19,700	120
	130	60.4	215.5	15,900	61.5	214.5	16,400	62.5	212.6	16,800	130
	140	57.6	209.1	13,500	58.7	208.1	14,000	59.7	206.2	14,400	140
	150	54.8	202.0	11,500	55.8	201.0	11,900				150
	160	51.8	194.1	9,800	52.8	193.0	10,200				160
	170	48.6	185.2	8,300	49.7	184.2	8,600				170
	180	45.3	175.4	6,900							180
	190	41.8	164.3	5,700							190
	200	38.0	151.6	4,700							200

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
220	55	79.9	255.4	40,000*	79.9	253.5	40,000*				55
	60	78.8	254.3	40,000*							60
	65	77.6	253.1	40,000*	78.7	252.3	40,000*	79.8	250.6	40,000*	65
	70	76.4	251.8	40,000*	77.5	251.0	40,000*	78.6	249.3	40,000*	70
	75	75.3	250.4	40,000*	76.4	249.6	40,000*	77.4	247.9	40,000*	75
	80	74.1	248.9	36,800	75.2	248.1	37,800	76.2	246.4	38,800	80
	90	71.7	245.5	30,400	72.8	244.7	31,300	73.8	243.0	32,100	90
	100	69.3	241.7	25,400	70.4	240.8	26,100	71.4	239.1	26,800	100
	110	66.8	237.4	21,300	67.9	236.5	22,000	68.9	234.7	22,600	110
	120	64.3	232.5	18,000	65.4	231.6	18,600	66.3	229.7	19,200	120
	130	61.7	227.1	15,300	62.8	226.1	15,800	63.7	224.2	16,300	130
	140	59.1	221.0	13,000	60.1	220.1	13,400	61.0	218.1	13,900	140
	150	56.4	214.3	10,900	57.4	213.3	11,400	58.3	211.3	11,800	150
	160	53.6	206.9	9,200	54.6	205.9	9,600				160
	170	50.6	198.7	7,700	51.6	197.6	8,000				170
	180	47.6	189.5	6,300	48.5	188.4	6,700				180
230	190	44.3	179.3	5,100							190
	200	40.9	167.9	4,100							200
	55	80.3	265.6	40,000*	80.3	263.7	40,000*				55
	60	79.2	264.5	40,000*							60
	65	78.1	263.4	40,000*	79.2	262.6	40,000*	80.2	260.9	40,000*	65
	70	77.0	262.2	40,000*	78.0	261.3	40,000*	79.0	259.6	40,000*	70
	75	75.8	260.8	40,000*	76.9	260.0	40,000*	77.9	258.3	40,000*	75
	80	74.7	259.4	36,300	75.8	258.5	37,400	76.8	256.8	38,400	80
	90	72.4	256.1	29,900	73.5	255.3	30,800	74.5	253.5	31,700	90
	100	70.1	252.5	24,900	71.1	251.6	25,700	72.1	249.8	26,400	100
	110	67.8	248.3	20,800	68.8	247.4	21,600	69.7	245.6	22,200	110
	120	65.4	243.7	17,500	66.4	242.8	18,200	67.3	240.9	18,700	120
	130	62.9	238.5	14,800	63.9	237.6	15,400	64.8	235.7	15,900	130
	140	60.4	232.8	12,500	61.4	231.8	13,000	62.3	229.9	13,400	140
	150	57.8	226.4	10,500	58.8	225.5	10,900	59.7	223.5	11,300	150
	160	55.2	219.4	8,700	56.2	218.4	9,100	57.0	216.4	9,500	160
	170	52.4	211.7	7,200	53.4	210.7	7,600				170
	180	49.6	203.2	5,800	50.5	202.1	6,200				180
	190	46.6	193.7	4,700	47.5	192.6	4,900				190
240	55	80.7	275.8	40,000*	80.6	273.9	40,000*				55
	60	79.6	274.8	40,000*							60
	65	78.5	273.7	40,000*	79.6	272.8	40,000*	80.5	271.1	40,000*	65
	70	77.5	272.5	40,000*	78.5	271.6	40,000*	79.5	269.9	40,000*	70
	75	76.4	271.2	39,700	77.4	270.3	40,000*	78.4	268.6	40,000*	75
	80	75.3	269.8	35,800	76.3	268.9	36,900	77.3	267.2	37,900	80
	90	73.1	266.7	29,300	74.1	265.8	30,300	75.1	264.1	31,200	90
	100	70.9	263.2	24,300	71.9	262.3	25,100	72.8	260.5	25,900	100
	110	68.6	259.2	20,300	69.6	258.3	21,000	70.5	256.5	21,700	110
	120	66.3	254.8	17,000	67.3	253.9	17,600	68.2	252.0	18,200	120
	130	64.0	249.8	14,200	65.0	248.9	14,800	65.9	247.0	15,300	130
	140	61.6	244.4	11,900	62.6	243.4	12,400	63.4	241.5	12,900	140
	150	59.2	238.3	9,900	60.1	237.4	10,400	61.0	235.4	10,800	150
	160	56.6	231.7	8,100	57.6	230.7	8,600	58.4	228.7	8,900	160
	170	54.1	224.4	6,600	55.0	223.4	7,000				170
	180	51.4	216.4	5,300	52.3	215.4	5,600				180
	190	48.6	207.6	4,100	49.5	206.5	4,400				190

LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
110	40	79.5	156.3	30,000*							40
	45	77.5	155.0	30,000*	80.0	154.1	30,000*				45
	50	75.6	153.6	30,000*		78.0	152.7	80.5	150.8	30,000*	50
	55	73.6	151.9	30,000*	76.1	151.0	30,000*	78.4	149.1	30,000*	55
	60	71.6	150.0	30,000*	74.1	149.1	30,000*	76.4	147.2	30,000*	60
	65	69.6	148.0	30,000*	72.0	147.0	30,000*	74.4	145.1	30,000*	65
	70	67.6	145.7	30,000*	70.0	144.8	30,000*	72.3	142.7	30,000*	70
	75	65.5	143.2	30,000*	67.9	142.2	30,000*	70.1	140.2	30,000*	75
	80	63.4	140.5	30,000*	65.7	139.5	30,000*	68.0	137.4	30,000*	80
	90	59.0	134.3	30,000*	61.3	133.2	30,000*	63.5	131.0	28,500*	90
	100	54.3	126.9	30,000*	56.6	125.8	30,000*	58.7	123.5	26,700*	100
	110	49.4	118.2	27,300	51.6	117.0	27,700				110
	120	44.0	107.7	24,000							120
	130	37.9	94.9	21,300							130
120	40	80.1	166.6	30,000*							40
	45	78.3	165.4	30,000*							45
	50	76.5	164.0	30,000*	78.8	163.1	30,000*				50
	55	74.7	162.4	30,000*	77.0	161.5	30,000*	79.2	159.5	30,000*	55
	60	72.8	160.7	30,000*	75.1	159.8	30,000*	77.3	157.8	30,000*	60
	65	70.9	158.8	30,000*	73.2	157.8	30,000*	75.4	155.8	30,000*	65
	70	69.0	156.7	30,000*	71.3	155.7	30,000*	73.5	153.7	30,000*	70
	75	67.1	154.4	30,000*	69.4	153.4	30,000*	71.5	151.3	30,000*	75
	80	65.1	151.9	30,000*	67.4	150.9	30,000*	69.5	148.8	30,000*	80
	90	61.1	146.2	30,000*	63.3	145.1	30,000*	65.4	142.9	29,500*	90
	100	56.9	139.5	30,000*	59.1	138.4	30,000*	61.0	136.0	27,600*	100
	110	52.4	131.6	26,600	54.6	130.4	27,100				110
	120	47.7	122.4	23,400	49.8	121.1	23,700				120
	130	42.5	111.3	20,600							130
	140	36.6	97.9	18,300							140
130	45	79.0	175.7	30,000*							45
	50	77.3	174.4	30,000*	79.5	173.4	30,000*				50
	55	75.6	172.9	30,000*	77.8	172.0	30,000*	79.9	170.0	30,000*	55
	60	73.8	171.3	30,000*	76.0	170.3	30,000*	78.1	168.3	30,000*	60
	65	72.1	169.5	30,000*	74.2	168.5	30,000*	76.3	166.5	30,000*	65
	70	70.3	167.5	30,000*	72.5	166.6	30,000*	74.5	164.5	30,000*	70
	75	68.5	165.4	30,000*	70.6	164.4	30,000*	72.7	162.3	30,000*	75
	80	66.7	163.1	30,000*	68.8	162.0	30,000*	70.8	159.9	30,000*	80
	90	63.0	157.8	30,000*	65.1	156.7	30,000*	67.0	154.5	30,000*	90
	100	59.1	151.6	30,000*	61.2	150.5	30,000*	63.0	148.2	28,500*	100
	110	55.0	144.5	26,300	57.1	143.3	26,800	58.9	140.9	26,900*	110
	120	50.7	136.1	23,100	52.7	134.9	23,500				120
	130	46.1	126.4	20,300	48.1	125.1	20,700				130
	140	41.1	114.9	18,000							140
140	45	79.6	185.9	30,000*							45
	50	78.0	184.7	30,000*	80.1	183.7	30,000*				50
	55	76.4	183.3	30,000*	78.4	182.4	30,000*	80.4	180.3	30,000*	55
	60	74.8	181.8	30,000*	76.8	180.8	30,000*	78.8	178.8	30,000*	60
	65	73.1	180.1	30,000*	75.1	179.1	30,000*	77.1	177.1	30,000*	65
	70	71.4	178.3	30,000*	73.5	177.3	30,000*	75.4	175.2	30,000*	70
	75	69.8	176.3	30,000*	71.8	175.3	30,000*	73.7	173.1	30,000*	75
	80	68.1	174.1	30,000*	70.1	173.1	30,000*	72.0	170.9	30,000*	80
	90	64.6	169.2	30,000*	66.6	168.1	30,000*	68.4	165.9	30,000*	90
	100	61.0	163.5	29,600	62.9	162.4	30,000*	64.7	160.1	29,300*	100
	110	57.2	156.9	25,600	59.2	155.7	26,200	60.9	153.3	26,700	110
	120	53.3	149.3	22,400	55.2	148.1	22,800	56.9	145.5	23,300	120
	130	49.2	140.5	19,600	51.0	139.2	20,000				130
	140	44.7	130.3	17,300	46.5	128.9	17,600				140
	150	39.8	118.3	15,300							150

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
150	45	80.2	196.2	30,000*							45
	50	78.6	195.0	30,000*	80.6	194.0	30,000*				50
	55	77.1	193.7	30,000*	79.1	192.7	30,000*				55
	60	75.6	192.3	30,000*	77.5	191.3	30,000*	79.4	189.2	30,000*	60
	65	74.0	190.7	30,000*	76.0	189.7	30,000*	77.8	187.6	30,000*	65
	70	72.5	189.0	30,000*	74.4	187.9	30,000*	76.2	185.8	30,000*	70
	75	70.9	187.1	30,000*	72.8	186.0	30,000*	74.6	183.9	30,000*	75
	80	69.3	185.0	30,000*	71.2	184.0	30,000*	73.0	181.8	30,000*	80
	90	66.0	180.4	30,000*	67.9	179.3	30,000*	69.7	177.1	30,000*	90
	100	62.7	175.1	29,200	64.5	174.0	29,800	66.2	171.7	30,000*	100
	110	59.2	169.0	25,100	61.0	167.8	25,700	62.7	165.4	26,300	110
	120	55.6	162.0	21,900	57.4	160.7	22,400	59.0	158.3	22,800	120
	130	51.8	153.9	19,100	53.6	152.7	19,600				130
	140	47.8	144.7	16,800	49.5	143.4	17,200				140
	150	43.4	134.1	14,800							150
	160	38.7	121.6	13,100							160
160	50	79.2	205.3	30,000*							50
	55	77.8	204.1	30,000*	79.6	203.0	30,000*				55
	60	76.3	202.7	30,000*	78.2	201.7	30,000*	79.9	199.6	30,000*	60
	65	74.8	201.2	30,000*	76.7	200.2	30,000*	78.5	198.0	30,000*	65
	70	73.4	199.6	30,000*	75.2	198.5	30,000*	76.9	196.4	30,000*	70
	75	71.9	197.8	30,000*	73.7	196.7	30,000*	75.4	194.6	30,000*	75
	80	70.3	195.8	30,000*	72.2	194.8	30,000*	73.9	192.6	30,000*	80
	90	67.3	191.5	30,000*	69.1	190.4	30,000*	70.8	188.2	30,000*	90
	100	64.1	186.5	28,500	65.9	185.4	29,300	67.6	183.1	30,000*	100
	110	60.9	180.8	24,500	62.6	179.6	25,200	64.3	177.2	25,800	110
	120	57.5	174.3	21,200	59.3	173.1	21,800	60.8	170.6	22,300	120
	130	54.0	166.9	18,500	55.7	165.6	19,000	57.2	163.0	19,400	130
	140	50.3	158.5	16,200	52.0	157.1	16,600				140
	150	46.4	148.8	14,200	48.1	147.4	14,500				150
	160	42.2	137.8	12,400							160
	170	37.6	124.8	10,900							170
170	50	79.7	215.5	30,000*							50
	55	78.3	214.4	30,000*	80.1	213.3	30,000*				55
	60	77.0	213.1	30,000*	78.7	212.0	30,000*	80.4	209.9	30,000*	60
	65	75.6	211.6	30,000*	77.3	210.6	30,000*	79.0	208.5	30,000*	65
	70	74.2	210.1	30,000*	75.9	209.0	30,000*	77.6	206.9	30,000*	70
	75	72.7	208.4	30,000*	74.5	207.3	30,000*	76.2	205.2	30,000*	75
	80	71.3	206.6	30,000*	73.1	205.5	30,000*	74.7	203.3	30,000*	80
	90	68.4	202.5	30,000*	70.1	201.4	30,000*	71.8	199.1	30,000*	90
	100	65.5	197.8	28,200	67.2	196.6	29,000	68.7	194.3	29,700	100
	110	62.4	192.4	24,200	64.1	191.2	24,900	65.6	188.9	25,500	110
	120	59.3	186.3	20,900	60.9	185.1	21,500	62.4	182.6	22,000	120
	130	56.0	179.4	18,200	57.6	178.2	18,700	59.1	175.6	19,200	130
	140	52.6	171.6	15,800	54.2	170.3	16,300				140
	150	49.0	162.8	13,800	50.6	161.5	14,200				150
	160	45.2	152.8	12,100	46.8	151.4	12,500				160
	170	41.1	141.3	10,600							170
	180	36.7	127.9	9,200							180

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
180	50	80.2	225.8	30,000*	80.6	223.6	30,000*				50
	55	78.9	224.6	30,000*							55
	60	77.6	223.4	30,000*	79.2	222.4	30,000*				60
	65	76.2	222.1	30,000*	77.9	221.0	30,000*	79.5	218.8	30,000*	65
	70	74.9	220.6	30,000*	76.6	219.5	30,000*	78.2	217.3	30,000*	70
	75	73.6	219.0	30,000*	75.2	217.9	30,000*	76.8	215.7	30,000*	75
	80	72.2	217.2	30,000*	73.9	216.1	30,000*	75.4	213.9	30,000*	80
	90	69.4	213.3	30,000*	71.1	212.2	30,000*	72.6	210.0	30,000*	90
	100	66.6	208.9	27,600	68.3	207.8	28,500	69.8	205.4	29,200	100
	110	63.8	203.8	23,600	65.4	202.7	24,300	66.9	200.3	25,000	110
	120	60.8	198.1	20,300	62.4	196.9	21,000	63.9	194.5	21,500	120
	130	57.8	191.6	17,600	59.3	190.4	18,100	60.7	187.9	18,600	130
	140	54.6	184.4	15,200	56.1	183.1	15,700	57.5	180.5	16,200	140
	150	51.3	176.3	13,200	52.8	174.9	13,700				150
	160	47.8	167.1	11,500	49.3	165.7	11,900				160
	170	44.1	156.7	10,000							170
	180	40.1	144.8	8,600							180
190	50	80.6	236.0	30,000*							50
	55	79.4	234.9	30,000*							55
	60	78.1	233.7	30,000*	79.7	232.7	30,000*				60
	65	76.8	232.4	30,000*	78.4	231.4	30,000*	80.0	229.2	30,000*	65
	70	75.6	231.0	30,000*	77.2	229.9	30,000*	78.7	227.7	30,000*	70
	75	74.3	229.5	30,000*	75.9	228.4	30,000*	77.4	226.2	30,000*	75
	80	73.0	227.8	30,000*	74.6	226.7	30,000*	76.1	224.5	30,000*	80
	90	70.4	224.1	30,000*	72.0	223.0	30,000*	73.4	220.7	30,000*	90
	100	67.7	219.9	27,100	69.3	218.8	28,000	70.7	216.4	28,800	100
	110	65.0	215.1	23,100	66.5	213.9	23,900	68.0	211.6	24,600	110
	120	62.2	209.7	19,800	63.7	208.5	20,500	65.1	206.1	21,100	120
	130	59.3	203.6	17,100	60.8	202.4	17,700	62.2	199.9	18,200	130
	140	56.4	196.8	14,700	57.9	195.6	15,300	59.2	193.0	15,700	140
	150	53.3	189.3	12,700	54.8	187.9	13,200				150
	160	50.1	180.8	11,000	51.5	179.4	11,400				160
	170	46.7	171.3	9,500	48.1	169.8	9,900				170
	180	43.1	160.5	8,100							180
	190	39.2	148.2	6,900							190
200	55	79.8	245.1	30,000*							55
	60	78.6	244.0	30,000*	80.2	242.9	30,000*				60
	65	77.4	242.8	30,000*	78.9	241.7	30,000*	80.4	239.5	30,000*	65
	70	76.2	241.4	30,000*	77.7	240.3	30,000*	79.2	238.1	30,000*	70
	75	74.9	239.9	30,000*	76.5	238.9	30,000*	78.0	236.6	30,000*	75
	80	73.7	238.4	30,000*	75.2	237.3	30,000*	76.7	235.0	30,000*	80
	90	71.2	234.8	30,000*	72.7	233.7	30,000*	74.2	231.4	30,000*	90
	100	68.7	230.8	26,500	70.2	229.7	27,500	71.6	227.4	28,300	100
	110	66.1	226.2	22,500	67.6	225.1	23,300	69.0	222.7	24,100	110
	120	63.5	221.1	19,200	64.9	219.9	20,000	66.3	217.5	20,600	120
	130	60.7	215.4	16,500	62.2	214.2	17,100	63.5	211.7	17,700	130
	140	57.9	209.0	14,100	59.4	207.8	14,700	60.7	205.2	15,200	140
	150	55.1	201.9	12,100	56.5	200.6	12,700	57.7	197.9	13,100	150
	160	52.1	194.0	10,400	53.5	192.6	10,900				160
	170	48.9	185.2	8,900	50.3	183.8	9,300				170
	180	45.6	175.3	7,500	47.0	173.8	7,900				180
	190	42.1	164.2	6,300							190
	200	38.3	151.5	5,300							200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
210	55	80.2	255.3	30,000*							55
	60	79.1	254.3	30,000*	80.6	253.2	30,000*				60
	65	77.9	253.1	30,000*	79.4	252.0	30,000*				65
	70	76.7	251.8	30,000*	78.2	250.7	30,000*	79.6	248.5	30,000*	70
	75	75.6	250.4	30,000*	77.0	249.3	30,000*	78.5	247.0	30,000*	75
	80	74.4	248.9	30,000*	75.8	247.8	30,000*	77.3	245.5	30,000*	80
	90	72.0	245.5	30,000*	73.5	244.4	30,000*	74.8	242.1	30,000*	90
	100	69.6	241.6	26,200	71.0	240.5	27,100	72.4	238.2	28,000	100
	110	67.1	237.3	22,200	68.5	236.1	23,000	69.9	233.8	23,800	110
	120	64.6	232.4	18,900	66.0	231.2	19,600	67.3	228.8	20,300	120
	130	62.0	227.0	16,100	63.4	225.8	16,800	64.7	223.3	17,400	130
	140	59.4	221.0	13,800	60.8	219.7	14,400	62.0	217.2	14,900	140
	150	56.7	214.3	11,800	58.0	213.0	12,300	59.3	210.3	12,800	150
	160	53.8	206.8	10,000	55.2	205.5	10,500				160
	170	50.9	198.6	8,500	52.3	197.2	8,900				170
	180	47.9	189.5	7,200	49.2	188.0	7,600				180
220	190	44.6	179.3	6,000							190
	200	41.2	167.8	4,900							200
	55	80.6	265.5	30,000*							55
	60	79.5	264.5	30,000*							60
	65	78.4	263.4	30,000*	79.8	262.3	30,000*				65
	70	77.3	262.1	30,000*	78.7	261.0	30,000*	80.1	258.8	30,000*	70
	75	76.1	260.8	30,000*	77.5	259.7	30,000*	78.9	257.4	30,000*	75
	80	75.0	259.3	30,000*	76.4	258.2	30,000*	77.8	255.9	30,000*	80
	90	72.7	256.1	30,000*	74.1	255.0	30,000*	75.4	252.7	30,000*	90
	100	70.4	252.4	25,600	71.8	251.3	26,600	73.1	248.9	27,600	100
	110	68.0	248.3	21,600	69.4	247.1	22,500	70.7	244.7	23,300	110
	120	65.6	243.6	18,300	67.0	242.4	19,100	68.3	240.0	19,800	120
	130	63.2	238.4	15,500	64.5	237.2	16,200	65.8	234.8	16,900	130
	140	60.7	232.7	13,200	62.0	231.5	13,800	63.2	228.9	14,400	140
	150	58.1	226.4	11,200	59.4	225.1	11,800	60.6	222.5	12,300	150
	160	55.5	219.4	9,500	56.8	218.1	10,000	57.9	215.4	10,400	160
	170	52.7	211.7	7,900	54.0	210.3	8,400				170
230	180	49.9	203.1	6,600	51.1	201.7	7,000				180
	190	46.9	193.7	5,400	48.1	192.2	5,800				190
	200	43.7	183.1	4,300							200
	60	79.9	274.7	30,000*							60
	65	78.8	273.6	30,000*	80.2	272.5	30,000*				65
	70	77.7	272.4	30,000*	79.1	271.3	30,000*	80.4	269.1	30,000*	70
	75	76.6	271.1	30,000*	78.0	270.0	30,000*	79.3	267.8	30,000*	75
	80	75.6	269.7	30,000*	76.9	268.6	30,000*	78.2	266.3	30,000*	80
	90	73.4	266.6	30,000*	74.7	265.5	30,000*	76.0	263.2	30,000*	90
	100	71.1	263.1	25,100	72.5	262.0	26,200	73.8	259.6	27,200	100
	110	68.9	259.1	21,100	70.2	258.0	22,000	71.5	255.6	22,900	110
	120	66.6	254.7	17,800	67.9	253.5	18,600	69.1	251.1	19,400	120
	130	64.3	249.8	15,000	65.6	248.5	15,800	66.8	246.1	16,500	130
	140	61.9	244.3	12,700	63.2	243.1	13,400	64.4	240.5	14,000	140
	150	59.4	238.3	10,700	60.7	237.0	11,300	61.9	234.4	11,800	150
	160	56.9	231.7	9,000	58.2	230.3	9,500	59.3	227.7	10,000	160
	170	54.3	224.4	7,400	55.6	223.0	7,900				170
	180	51.6	216.4	6,100	52.9	214.9	6,500				180
	190	48.8	207.5	4,900	50.1	206.1	5,300				190
	200				47.1	196.2	4,200				200



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
240	60	80.2	284.9	30,000*							60
	65	79.2	283.9	30,000*	80.5	282.8	30,000*				65
	70	78.2	282.7	30,000*	79.5	281.6	30,000*				70
	75	77.1	281.5	30,000*	78.5	280.3	30,000*	79.7	278.1	30,000*	75
	80	76.1	280.1	30,000*	77.4	279.0	30,000*	78.7	276.7	30,000*	80
	90	74.0	277.2	29,600	75.3	276.0	30,000*	76.5	273.7	30,000*	90
	100	71.8	273.8	24,600	73.1	272.6	25,700	74.4	270.3	26,700	100
	110	69.7	269.9	20,500	71.0	268.8	21,500	72.2	266.4	22,400	110
	120	67.5	265.7	17,200	68.8	264.5	18,100	70.0	262.1	18,900	120
	130	65.2	261.0	14,500	66.5	259.8	15,200	67.7	257.3	16,000	130
	140	63.0	255.8	12,100	64.2	254.5	12,800	65.4	252.0	13,500	140
	150	60.6	250.0	10,100	61.9	248.8	10,800	63.0	246.2	11,300	150
	160	58.2	243.7	8,400	59.5	242.4	9,000	60.6	239.8	9,500	160
	170	55.8	236.8	6,900	57.0	235.5	7,400	58.1	232.8	7,800	170
	180	53.3	229.3	5,500	54.5	227.9	6,000				180
	190	50.6	221.0	4,300	51.8	219.5	4,700				190

REFER ONLY

LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
110	40	80.7	166.8	20,000*							40
	45	78.9	165.6	20,000*							45
	50	77.1	164.3	20,000*	80.0	163.3	20,000*				50
	55	75.2	162.8	20,000*	78.1	161.8	20,000*				55
	60	73.4	161.1	20,000*	76.3	160.1	20,000*	79.1	157.9	20,000*	60
	65	71.5	159.2	20,000*	74.4	158.2	20,000*	77.2	155.9	20,000*	65
	70	69.6	157.1	20,000*	72.5	156.1	20,000*	75.2	153.8	20,000*	70
	75	67.7	154.8	20,000*	70.5	153.8	20,000*	73.3	151.5	20,000*	75
	80	65.8	152.4	20,000*	68.6	151.3	20,000*	71.3	149.0	20,000*	80
	90	61.7	146.8	20,000*	64.5	145.7	20,000*	67.2	143.2	20,000*	90
	100	57.5	140.2	20,000*	60.3	139.0	20,000*	62.8	136.4	20,000*	100
	110	53.1	132.4	20,000*	55.8	131.2	20,000*	58.3	128.5	20,000*	110
	120	48.4	123.3	20,000*	51.0	122.0	20,000*				120
	130	43.2	112.5	20,000*							130
	140	37.4	99.3	19,200							140
120	45	79.5	175.9	20,000*							45
	50	77.8	174.6	20,000*	80.6	173.6	20,000*				50
	55	76.1	173.2	20,000*	78.8	172.2	20,000*				55
	60	74.4	171.6	20,000*	77.1	170.6	20,000*	79.8	168.3	20,000*	60
	65	72.6	169.9	20,000*	75.3	168.8	20,000*	78.0	166.6	20,000*	65
	70	70.9	167.9	20,000*	73.6	166.9	20,000*	76.2	164.6	20,000*	70
	75	69.1	165.8	20,000*	71.8	164.8	20,000*	74.3	162.4	20,000*	75
	80	67.3	163.5	20,000*	69.9	162.4	20,000*	72.5	160.1	20,000*	80
	90	63.5	158.3	20,000*	66.2	157.2	20,000*	68.7	154.7	20,000*	90
	100	59.7	152.2	20,000*	62.3	151.1	20,000*	64.7	148.5	20,000*	100
	110	55.6	145.2	20,000*	58.2	144.0	20,000*	60.6	141.3	20,000*	110
	120	51.4	137.0	20,000*	53.9	135.7	20,000*				120
	130	46.8	127.4	20,000*	49.3	126.0	20,000*				130
	140	41.8	116.0	18,600							140
	150	36.2	102.3	16,600							150
130	45	80.1	186.2	20,000*							45
	50	78.5	185.0	20,000*							50
	55	76.9	183.6	20,000*	79.5	182.6	20,000*				55
	60	75.3	182.1	20,000*	77.8	181.1	20,000*	80.4	178.8	20,000*	60
	65	73.6	180.5	20,000*	76.2	179.4	20,000*	78.7	177.1	20,000*	65
	70	72.0	178.7	20,000*	74.5	177.6	20,000*	77.0	175.2	20,000*	70
	75	70.3	176.7	20,000*	72.8	175.6	20,000*	75.3	173.2	20,000*	75
	80	68.6	174.5	20,000*	71.1	173.4	20,000*	73.5	171.0	20,000*	80
	90	65.1	169.7	20,000*	67.6	168.5	20,000*	70.0	166.1	20,000*	90
	100	61.5	164.0	20,000*	64.0	162.9	20,000*	66.3	160.3	20,000*	100
	110	57.8	157.5	20,000*	60.3	156.3	20,000*	62.5	153.6	20,000*	110
	120	53.9	150.0	20,000*	56.3	148.7	20,000*	58.5	145.9	20,000*	120
	130	49.8	141.4	20,000*	52.1	140.0	20,000*				130
	140	45.4	131.3	18,300	47.7	129.8	18,700				140
	150	40.5	119.5	16,300							150



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
140	45	80.6	196.4	20,000*							45
	50	79.1	195.3	20,000*							50
	55	77.6	194.0	20,000*							55
	60	76.1	192.6	20,000*	80.0	192.9	20,000*	80.9	189.1	20,000*	60
	65	74.5	191.0	20,000*	78.5	191.5	20,000*	79.3	187.6	20,000*	65
	70	73.0	189.3	20,000*	76.9	189.9	20,000*	77.7	185.8	20,000*	70
	75	71.4	187.4	20,000*	75.4	188.2	20,000*	76.1	183.9	20,000*	75
	80	69.8	185.4	20,000*	73.8	186.3	20,000*	74.5	181.8	20,000*	80
	90	66.5	180.9	20,000*	72.2	184.3	20,000*	71.2	177.2	20,000*	90
	100	63.2	175.6	20,000*	68.9	179.7	20,000*	67.7	171.8	20,000*	100
	110	59.7	169.6	20,000*	65.5	174.4	20,000*	64.2	165.6	20,000*	110
	120	56.1	162.7	20,000*	62.0	168.3	20,000*	60.5	158.5	20,000*	120
	130	52.3	154.7	19,900	58.4	161.4	20,000*	56.6	150.4	20,000*	130
	140	48.3	145.7	17,600	54.6	153.4	20,000*				140
	150	44.1	135.2	15,600	50.6	144.2	18,100				150
	160	39.4	122.9	13,900	46.2	133.6	16,000				160
150	50	79.7	205.5	20,000*							50
	55	78.2	204.3	20,000*	80.5	203.2	20,000*				55
	60	76.8	203.0	20,000*	79.1	201.9	20,000*				60
	65	75.3	201.5	20,000*	77.6	200.4	20,000*	79.9	198.0	20,000*	65
	70	73.8	199.9	20,000*	76.1	198.8	20,000*	78.4	196.3	20,000*	70
	75	72.3	198.1	20,000*	74.6	197.0	20,000*	76.8	194.5	20,000*	75
	80	70.8	196.2	20,000*	73.1	195.1	20,000*	75.3	192.6	20,000*	80
	90	67.8	191.9	20,000*	70.0	190.8	20,000*	72.2	188.2	20,000*	90
	100	64.6	187.0	20,000*	66.9	185.8	20,000*	69.0	183.2	20,000*	100
	110	61.4	181.4	20,000*	63.6	180.1	20,000*	65.7	177.4	20,000*	110
	120	58.0	174.9	20,000*	60.2	173.6	20,000*	62.2	170.8	20,000*	120
	130	54.6	167.6	19,400	56.7	166.2	20,000*	58.7	163.3	20,000*	130
	140	50.9	159.3	17,100	53.0	157.9	17,600				140
	150	47.0	149.8	15,100	49.1	148.3	15,500				150
	160	42.8	138.9	13,400							160
	170	38.3	126.1	11,800							170
160	50	80.2	215.7	20,000*							50
	55	78.8	214.6	20,000*							55
	60	77.4	213.3	20,000*							60
	65	76.0	211.9	20,000*	79.6	212.2	20,000*	80.4	208.3	20,000*	65
	70	74.6	210.4	20,000*	78.2	210.8	20,000*	78.9	206.8	20,000*	70
	75	73.2	208.7	20,000*	76.8	209.2	20,000*	77.5	205.1	20,000*	75
	80	71.8	206.9	20,000*	75.4	207.6	20,000*	76.0	203.2	20,000*	80
	90	68.9	202.9	20,000*	73.9	205.8	20,000*	73.1	199.1	20,000*	90
	100	65.9	198.2	20,000*	71.0	201.7	20,000*	70.1	194.4	20,000*	100
	110	62.9	192.9	20,000*	68.0	197.0	20,000*	67.0	189.0	20,000*	110
	120	59.7	186.9	20,000*	65.0	191.7	20,000*	63.8	182.8	20,000*	120
	130	56.5	180.1	18,800	61.8	185.6	20,000*	60.4	175.8	20,000*	130
	140	53.1	172.4	16,500	58.6	178.7	19,400	57.0	167.9	17,500	140
	150	49.6	163.7	14,500	55.2	171.0	17,000				150
	160	45.8	153.8	12,700	51.6	162.2	15,000				160
	170	41.7	142.5	11,200	47.8	152.2	13,200				170
	180	37.3	129.3	9,900							180

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
170	50	80.6	226.0	20,000*							50
	55	79.3	224.9	20,000*							55
	60	78.0	223.7	20,000*							60
	65	76.7	222.3	20,000*	80.1	222.5	20,000*	80.8	218.7	20,000*	65
	70	75.3	220.9	20,000*	78.8	221.2	20,000*	79.5	217.2	20,000*	70
	75	74.0	219.3	20,000*	77.4	219.7	20,000*	78.1	215.6	20,000*	75
	80	72.6	217.6	20,000*	76.1	218.1	20,000*	76.7	213.8	20,000*	80
	90	69.9	213.7	20,000*	74.7	216.4	20,000*	73.9	209.9	20,000*	90
	100	67.1	209.3	20,000*	71.9	212.5	20,000*	71.1	205.4	20,000*	100
	110	64.2	204.3	20,000*	69.1	208.1	20,000*	68.1	200.3	20,000*	110
	120	61.3	198.7	20,000*	66.2	203.0	20,000*	65.1	194.6	20,000*	120
	130	58.2	192.3	18,500	63.3	197.3	20,000*	62.0	188.0	19,700	130
	140	55.1	185.1	16,100	60.2	190.9	19,100	58.8	180.7	17,200	140
	150	51.8	177.1	14,100	57.0	183.7	16,700				150
	160	48.3	168.0	12,400	53.7	175.6	14,600				160
180	170	44.6	157.7	10,900	50.2	166.5	12,800				170
	180	40.7	146.0	9,500	46.5	156.1	11,300				180
	190	36.4	132.4	8,300							190
	55	79.8	235.1	20,000*							55
	60	78.5	234.0	20,000*	80.5	232.8	20,000*				60
	65	77.2	232.7	20,000*	79.3	231.5	20,000*				65
	70	76.0	231.3	20,000*	78.0	230.1	20,000*	79.9	227.6	20,000*	70
	75	74.7	229.8	20,000*	76.7	228.6	20,000*	78.6	226.0	20,000*	75
	80	73.4	228.1	20,000*	75.4	226.9	20,000*	77.3	224.4	20,000*	80
	90	70.8	224.5	20,000*	72.8	223.3	20,000*	74.7	220.7	20,000*	90
	100	68.1	220.3	20,000*	70.1	219.1	20,000*	72.0	216.4	20,000*	100
	110	65.4	215.6	20,000*	67.4	214.3	20,000*	69.2	211.6	20,000*	110
	120	62.6	210.2	20,000*	64.6	208.9	20,000*	66.4	206.1	20,000*	120
	130	59.8	204.2	17,900	61.7	202.9	18,600	63.4	200.0	19,200	130
	140	56.8	197.5	15,600	58.7	196.1	16,200	60.4	193.1	16,700	140
	150	53.7	190.0	13,500	55.6	188.6	14,100	57.3	185.5	14,600	150
190	160	50.5	181.6	11,800	52.4	180.1	12,300				160
	170	47.2	172.2	10,300	49.0	170.6	10,700				170
	180	43.6	161.6	8,900							180
	190	39.7	149.4	7,700							190
	55	80.2	245.3	20,000*							55
	60	79.0	244.2	20,000*	80.9	243.0	20,000*				60
	65	77.8	243.0	20,000*	79.7	241.8	20,000*				65
	70	76.6	241.7	20,000*	78.5	240.5	20,000*	80.4	237.9	20,000*	70
	75	75.3	240.2	20,000*	77.3	239.0	20,000*	79.1	236.5	20,000*	75
	80	74.1	238.7	20,000*	76.0	237.5	20,000*	77.9	234.9	20,000*	80
	90	71.6	235.2	20,000*	73.5	234.0	20,000*	75.3	231.3	20,000*	90
	100	69.1	231.2	20,000*	71.0	229.9	20,000*	72.8	227.3	20,000*	100
	110	66.5	226.7	20,000*	68.4	225.4	20,000*	70.1	222.7	20,000*	110
	120	63.9	221.6	20,000*	65.7	220.3	20,000*	67.4	217.5	20,000*	120
	130	61.2	216.0	17,400	63.0	214.6	18,100	64.7	211.7	18,800	130
	140	58.4	209.6	15,100	60.2	208.2	15,700	61.8	205.3	16,300	140
	150	55.5	202.6	13,000	57.3	201.2	13,600	58.9	198.1	14,200	150
	160	52.5	194.8	11,300	54.3	193.3	11,800				160
	170	49.4	186.0	9,800	51.1	184.5	10,300				170
	180	46.1	176.3	8,400	47.8	174.6	8,800				180
	190	42.6	165.3	7,200							190
	200	38.8	152.8	6,200							200



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
200	55	80.6	255.5	20,000*							55
	60	79.4	254.5	20,000*							60
	65	78.3	253.3	20,000*	80.1	252.1	20,000*				65
	70	77.1	252.0	20,000*	79.0	250.8	20,000*	80.8	248.2	20,000*	70
	75	75.9	250.7	20,000*	77.8	249.4	20,000*	79.6	246.8	20,000*	75
	80	74.8	249.2	20,000*	76.6	247.9	20,000*	78.4	245.3	20,000*	80
	90	72.4	245.8	20,000*	74.2	244.6	20,000*	76.0	241.9	20,000*	90
	100	70.0	242.0	20,000*	71.8	240.8	20,000*	73.5	238.1	20,000*	100
	110	67.5	237.7	20,000*	69.3	236.4	20,000*	71.0	233.7	20,000*	110
	120	65.0	232.9	19,600	66.8	231.6	20,000*	68.4	228.8	20,000*	120
	130	62.4	227.5	16,800	64.2	226.2	17,600	65.8	223.3	18,300	130
	140	59.8	221.5	14,500	61.5	220.2	15,200	63.1	217.2	15,800	140
	150	57.1	214.9	12,500	58.8	213.5	13,100	60.4	210.4	13,700	150
	160	54.3	207.6	10,700	56.0	206.1	11,300	57.5	202.9	11,800	160
	170	51.4	199.4	9,200	53.0	197.9	9,700				170
	180	48.3	190.4	7,800	50.0	188.7	8,300				180
	190	45.1	180.3	6,600	46.7	178.5	7,000				190
	200	41.7	168.9	5,600							200
	210	38.0	156.1	4,600							210
210	55	81.0	265.7	20,000*							55
	60	79.8	264.7	20,000*							60
	65	78.7	263.6	20,000*	80.5	262.4	20,000*				65
	70	77.6	262.4	20,000*	79.4	261.1	20,000*				70
	75	76.5	261.0	20,000*	78.3	259.8	20,000*	80.0	257.2	20,000*	75
	80	75.4	259.6	20,000*	77.1	258.4	20,000*	78.8	255.7	20,000*	80
	90	73.1	256.4	20,000*	74.8	255.1	20,000*	76.5	252.5	20,000*	90
	100	70.8	252.8	20,000*	72.5	251.5	20,000*	74.2	248.8	20,000*	100
	110	68.4	248.7	20,000*	70.1	247.4	20,000*	71.8	244.6	20,000*	110
	120	66.0	244.1	19,200	67.7	242.7	20,000*	69.4	239.9	20,000*	120
	130	63.6	238.9	16,400	65.3	237.6	17,300	66.9	234.7	18,000	130
	140	61.1	233.3	14,100	62.8	231.9	14,800	64.3	228.9	15,500	140
	150	58.5	227.0	12,100	60.2	225.6	12,800	61.7	222.5	13,400	150
	160	55.9	220.1	10,300	57.5	218.6	10,900	59.0	215.5	11,500	160
	170	53.1	212.4	8,800	54.8	210.9	9,400				170
	180	50.3	204.0	7,500	51.9	202.4	8,000				180
	190	47.3	194.6	6,300	48.9	192.9	6,700				190
	200	44.2	184.2	5,200							200
	210	40.8	172.5	4,200							210
220	60	80.2	274.9	20,000*	80.9	272.6	20,000*				60
	65	79.1	273.8	20,000*	79.8	271.4	20,000*				65
	70	78.1	272.7	20,000*	78.7	270.1	20,000*				70
	75	77.0	271.4	20,000*	77.6	268.8	20,000*	80.4	267.5	20,000*	75
	80	75.9	270.0	20,000*	76.5	266.8	20,000*	79.3	266.1	20,000*	80
	90	73.7	267.0	20,000*	74.3	265.7	20,000*	77.0	263.0	20,000*	90
	100	71.5	263.5	20,000*	72.2	262.2	20,000*	74.8	259.5	20,000*	100
	110	69.2	259.5	20,000*	70.0	258.2	20,000*	72.5	255.5	20,000*	110
	120	67.0	255.1	18,600	67.8	253.8	19,600	70.2	251.0	20,000*	120
	130	64.6	250.2	15,900	65.3	248.9	16,700	67.8	246.0	17,600	130
	140	62.2	244.8	13,500	62.9	243.4	14,300	65.4	240.5	15,000	140
	150	59.8	238.9	11,500	60.4	237.4	12,200	62.9	234.4	12,900	150
	160	57.3	232.3	9,800	57.9	230.8	10,400	60.3	227.7	11,000	160
	170	54.7	225.1	8,200	55.3	223.6	8,800	57.7	220.4	9,300	170
	180	52.0	217.1	6,900	53.6	215.6	7,400				180
	190	49.3	208.4	5,700	50.8	206.7	6,200				190
	200	46.3	198.7	4,600	47.9	197.0	5,000				200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

50 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
230	60	80.6	285.1	20,000*							60
	65	79.5	284.1	20,000*							65
	70	78.5	282.9	20,000*	80.2	281.7	20,000*				70
	75	77.5	281.7	20,000*	79.1	280.5	20,000*	80.7	277.8	20,000*	75
	80	76.4	280.4	20,000*	78.1	279.1	20,000*	79.7	276.5	20,000*	80
	90	74.3	277.4	20,000*	75.9	276.2	20,000*	77.5	273.5	20,000*	90
	100	72.2	274.1	20,000*	73.8	272.8	20,000*	75.4	270.1	20,000*	100
	110	70.0	270.3	20,000*	71.6	269.0	20,000*	73.2	266.2	20,000*	110
	120	67.8	266.1	18,200	69.4	264.8	19,200	70.9	262.0	20,000*	120
	130	65.6	261.4	15,400	67.2	260.1	16,300	68.7	257.2	17,100	130
	140	63.3	256.3	13,000	64.9	254.9	13,900	66.4	252.0	14,600	140
	150	61.0	250.6	11,000	62.6	249.2	11,800	64.0	246.2	12,400	150
	160	58.6	244.3	9,300	60.2	242.9	9,900	61.6	239.8	10,600	160
	170	56.2	237.5	7,700	57.7	236.0	8,400	59.1	232.8	8,900	170
	180	53.6	230.0	6,400	55.2	228.4	6,900	56.5	225.2	7,400	180
	190	51.0	221.8	5,200	52.5	220.2	5,700				190
	200	48.3	212.7	4,100	49.8	211.0	4,600				200

REFFER ONLY



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
110	45	79.5	176.0	10,000*							45
	50	77.8	174.7	10,000*							50
	55	76.1	173.3	10,000*	79.4	172.3	10,000*				55
	60	74.4	171.7	10,000*	77.6	170.7	10,000*	80.9	168.4	10,000*	60
	65	72.6	169.9	10,000*	75.9	168.9	10,000*	79.1	166.6	10,000*	65
	70	70.8	168.0	10,000*	74.1	167.0	10,000*	77.3	164.6	10,000*	70
	75	69.1	165.9	10,000*	72.3	164.9	10,000*	75.5	162.4	10,000*	75
	80	67.2	163.6	10,000*	70.5	162.5	10,000*	73.6	160.1	10,000*	80
	90	63.5	158.4	10,000*	66.7	157.3	10,000*	69.8	154.8	10,000*	90
	100	59.7	152.3	10,000*	62.8	151.2	10,000*	65.9	148.5	10,000*	100
	110	55.6	145.2	10,000*	58.8	144.1	10,000*	61.7	141.3	10,000*	110
	120	51.4	137.0	10,000*	54.5	135.8	10,000*	57.3	132.8	10,000*	120
	130	46.8	127.5	10,000*	49.8	126.1	10,000*				130
	140	41.8	116.1	10,000*	44.8	114.6	10,000*				140
	150	36.2	102.4	10,000*							150
120	45	80.1	186.2	10,000*							45
	50	78.5	185.0	10,000*							50
	55	76.9	183.7	10,000*	80.0	182.7	10,000*				55
	60	75.2	182.2	10,000*	78.3	181.2	10,000*				60
	65	73.6	180.5	10,000*	76.7	179.5	10,000*	79.8	177.1	10,000*	65
	70	71.9	178.7	10,000*	75.0	177.7	10,000*	78.1	175.2	10,000*	70
	75	70.3	176.7	10,000*	73.3	175.7	10,000*	76.4	173.2	10,000*	75
	80	68.6	174.6	10,000*	71.6	173.5	10,000*	74.6	171.0	10,000*	80
	90	65.1	169.7	10,000*	68.1	168.6	10,000*	71.1	166.0	10,000*	90
	100	61.5	164.1	10,000*	64.5	163.0	10,000*	67.4	160.3	10,000*	100
	110	57.8	157.6	10,000*	60.8	156.4	10,000*	63.6	153.6	10,000*	110
	120	53.9	150.1	10,000*	56.8	148.8	10,000*	59.6	145.9	10,000*	120
	130	49.8	141.5	10,000*	52.7	140.1	10,000*	55.3	137.0	10,000*	130
	140	45.3	131.4	10,000*	48.2	130.0	10,000*				140
	150	40.5	119.6	10,000*							150
	160	35.1	105.3	10,000*							160
130	45	80.6	196.4	10,000*							45
	50	79.1	195.3	10,000*							50
	55	77.6	194.0	10,000*	80.5	193.0	10,000*				55
	60	76.0	192.6	10,000*	79.0	191.6	10,000*				60
	65	74.5	191.1	10,000*	77.4	190.0	10,000*	80.3	187.5	10,000*	65
	70	72.9	189.4	10,000*	75.8	188.3	10,000*	78.7	185.8	10,000*	70
	75	71.3	187.5	10,000*	74.3	186.4	10,000*	77.1	183.9	10,000*	75
	80	69.7	185.5	10,000*	72.6	184.4	10,000*	75.5	181.8	10,000*	80
	90	66.5	180.9	10,000*	69.4	179.8	10,000*	72.2	177.2	10,000*	90
	100	63.2	175.7	10,000*	66.0	174.5	10,000*	68.8	171.8	10,000*	100
	110	59.7	169.6	10,000*	62.5	168.4	10,000*	65.2	165.6	10,000*	110
	120	56.1	162.7	10,000*	58.9	161.5	10,000*	61.5	158.5	10,000*	120
	130	52.3	154.8	10,000*	55.1	153.5	10,000*	57.6	150.4	10,000*	130
	140	48.3	145.7	10,000*	51.1	144.3	10,000*				140
	150	44.0	135.2	10,000*	46.7	133.7	10,000*				150
	160	39.3	122.9	10,000*							160

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
140	50	79.6	205.6	10,000*							50
	55	78.2	204.4	10,000*	81.0	203.3	10,000*				55
	60	76.7	203.0	10,000*	79.5	201.9	10,000*				60
	65	75.3	201.6	10,000*	78.1	200.5	10,000*	80.8	197.9	10,000*	65
	70	73.8	199.9	10,000*	76.6	198.8	10,000*	79.3	196.3	10,000*	70
	75	72.3	198.2	10,000*	75.1	197.1	10,000*	77.8	194.5	10,000*	75
	80	70.8	196.3	10,000*	73.6	195.1	10,000*	76.3	192.5	10,000*	80
	90	67.7	192.0	10,000*	70.5	190.8	10,000*	73.1	188.2	10,000*	90
	100	64.6	187.1	10,000*	67.3	185.9	10,000*	69.9	183.1	10,000*	100
	110	61.4	181.4	10,000*	64.1	180.2	10,000*	66.6	177.3	10,000*	110
	120	58.0	175.0	10,000*	60.7	173.7	10,000*	63.2	170.7	10,000*	120
	130	54.5	167.7	10,000*	57.2	166.3	10,000*	59.6	163.2	10,000*	130
	140	50.9	159.4	10,000*	53.5	157.9	10,000*	55.9	154.7	10,000*	140
	150	47.0	149.9	10,000*	49.6	148.4	10,000*				150
	160	42.8	138.9	10,000*	45.4	137.3	10,000*				160
	170	38.3	126.2	10,000*							170
150	50	80.1	215.8	10,000*							50
	55	78.8	214.7	10,000*							55
	60	77.4	213.4	10,000*	80.0	212.3	10,000*				60
	65	76.0	212.0	10,000*	78.6	210.9	10,000*				65
	70	74.6	210.5	10,000*	77.2	209.3	10,000*	79.9	206.7	10,000*	70
	75	73.2	208.8	10,000*	75.8	207.6	10,000*	78.4	205.0	10,000*	75
	80	71.7	207.0	10,000*	74.4	205.8	10,000*	77.0	203.2	10,000*	80
	90	68.9	202.9	10,000*	71.5	201.8	10,000*	74.0	199.0	10,000*	90
	100	65.9	198.3	10,000*	68.5	197.1	10,000*	71.0	194.3	10,000*	100
	110	62.9	193.0	10,000*	65.4	191.7	10,000*	67.9	188.9	10,000*	110
	120	59.7	187.0	10,000*	62.3	185.7	10,000*	64.7	182.7	10,000*	120
	130	56.5	180.2	10,000*	59.0	178.8	10,000*	61.4	175.7	10,000*	130
	140	53.1	172.5	10,000*	55.6	171.1	10,000*	57.9	167.8	10,000*	140
	150	49.5	163.8	10,000*	52.0	162.3	10,000*				150
	160	45.8	153.9	10,000*	48.2	152.3	10,000*				160
	170	41.7	142.6	10,000*							170
	180	37.3	129.4	10,000*							180
160	50	80.6	226.0	10,000*							50
	55	79.3	224.9	10,000*							55
	60	78.0	223.7	10,000*	80.5	222.6	10,000*				60
	65	76.6	222.4	10,000*	79.2	221.2	10,000*				65
	70	75.3	220.9	10,000*	77.8	219.8	10,000*	80.3	217.1	10,000*	70
	75	74.0	219.3	10,000*	76.5	218.2	10,000*	79.0	215.5	10,000*	75
	80	72.6	217.6	10,000*	75.1	216.4	10,000*	77.6	213.7	10,000*	80
	90	69.9	213.8	10,000*	72.4	212.6	10,000*	74.8	209.8	10,000*	90
	100	67.1	209.4	10,000*	69.5	208.1	10,000*	71.9	205.3	10,000*	100
	110	64.2	204.4	10,000*	66.7	203.1	10,000*	69.0	200.2	10,000*	110
	120	61.2	198.7	10,000*	63.7	197.4	10,000*	66.0	194.4	10,000*	120
	130	58.2	192.3	10,000*	60.6	191.0	10,000*	62.9	187.9	10,000*	130
	140	55.1	185.2	10,000*	57.5	183.8	10,000*	59.7	180.6	10,000*	140
	150	51.8	177.1	10,000*	54.1	175.7	10,000*	56.3	172.3	10,000*	150
	160	48.3	168.1	10,000*	50.6	166.5	10,000*				160
	170	44.6	157.8	10,000*	46.9	156.2	10,000*				170
	180	40.7	146.1	10,000*							180
	190	36.4	132.5	8,900							190

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
170	50	81.0	236.2	10,000*							50
	55	79.7	235.2	10,000*							55
	60	78.5	234.0	10,000*	80.9	232.8	10,000*				60
	65	77.2	232.7	10,000*	79.7	231.6	10,000*				65
	70	75.9	231.3	10,000*	78.4	230.2	10,000*	80.8	227.5	10,000*	70
	75	74.7	229.8	10,000*	77.1	228.6	10,000*	79.5	225.9	10,000*	75
	80	73.4	228.2	10,000*	75.8	227.0	10,000*	78.2	224.3	10,000*	80
	90	70.8	224.5	10,000*	73.2	223.3	10,000*	75.5	220.5	10,000*	90
	100	68.1	220.4	10,000*	70.5	219.1	10,000*	72.8	216.3	10,000*	100
	110	65.4	215.6	10,000*	67.8	214.3	10,000*	70.0	211.4	10,000*	110
	120	62.6	210.3	10,000*	65.0	209.0	10,000*	67.2	206.0	10,000*	120
	130	59.7	204.3	10,000*	62.1	202.9	10,000*	64.3	199.9	10,000*	130
	140	56.8	197.6	10,000*	59.1	196.2	10,000*	61.2	193.0	10,000*	140
	150	53.7	190.1	10,000*	56.0	188.6	10,000*	58.1	185.3	10,000*	150
	160	50.5	181.7	10,000*	52.8	180.2	10,000*				160
180	170	47.2	172.3	10,000*	49.4	170.7	10,000*				170
	180	43.6	161.6	9,700	45.8	159.9	10,000*				180
	190	39.7	149.5	8,500							190
	200	35.5	135.5	7,400							200
	55	80.2	245.4	10,000*							55
	60	79.0	244.3	10,000*							60
	65	77.8	243.1	10,000*	80.1	241.9	10,000*				65
	70	76.5	241.7	10,000*	78.9	240.5	10,000*				70
	75	75.3	240.3	10,000*	77.6	239.1	10,000*	79.9	236.3	10,000*	75
	80	74.1	238.7	10,000*	76.4	237.5	10,000*	78.7	234.7	10,000*	80
190	90	71.6	235.2	10,000*	73.9	234.0	10,000*	76.1	231.2	10,000*	90
	100	69.1	231.3	10,000*	71.3	230.0	10,000*	73.6	227.1	10,000*	100
	110	66.5	226.8	10,000*	68.8	225.5	10,000*	70.9	222.5	10,000*	110
	120	63.8	221.7	10,000*	66.1	220.4	10,000*	68.2	217.4	10,000*	120
	130	61.1	216.0	10,000*	63.4	214.7	10,000*	65.5	211.6	10,000*	130
	140	58.4	209.7	10,000*	60.6	208.3	10,000*	62.6	205.1	10,000*	140
	150	55.5	202.7	10,000*	57.7	201.2	10,000*	59.7	197.9	10,000*	150
	160	52.5	194.8	10,000*	54.7	193.3	10,000*	56.6	189.9	10,000*	160
	170	49.4	186.1	10,000*	51.5	184.5	10,000*				170
	180	46.1	176.4	9,100	48.2	174.7	9,600				180
	190	42.6	165.4	7,900	44.7	163.6	8,300				190
	200	38.8	152.9	6,800							200
190	55	80.6	255.6	10,000*							55
	60	79.4	254.5	10,000*							60
	65	78.3	253.4	10,000*	80.5	252.1	10,000*				65
	70	77.1	252.1	10,000*	79.3	250.9	10,000*				70
	75	75.9	250.7	10,000*	78.1	249.5	10,000*	80.3	246.7	10,000*	75
	80	74.7	249.2	10,000*	77.0	248.0	10,000*	79.1	245.2	10,000*	80
	90	72.4	245.9	10,000*	74.6	244.6	10,000*	76.7	241.8	10,000*	90
	100	69.9	242.1	10,000*	72.1	240.8	10,000*	74.3	237.9	10,000*	100
	110	67.5	237.8	10,000*	69.7	236.5	10,000*	71.8	233.5	10,000*	110
	120	65.0	233.0	10,000*	67.1	231.6	10,000*	69.2	228.6	10,000*	120
	130	62.4	227.6	10,000*	64.6	226.2	10,000*	66.6	223.1	10,000*	130
	140	59.8	221.6	10,000*	61.9	220.2	10,000*	63.9	217.0	10,000*	140
	150	57.1	215.0	10,000*	59.2	213.5	10,000*	61.1	210.3	10,000*	150
	160	54.3	207.6	10,000*	56.4	206.1	10,000*	58.3	202.7	10,000*	160
	170	51.3	199.5	10,000*	53.4	197.9	10,000*	55.3	194.4	10,000*	170
210	180	48.3	190.4	8,600	50.3	188.8	9,100				180
	190	45.1	180.3	7,400	47.1	178.6	7,900				190
	200	41.7	169.0	6,300							200
	210	38.0	156.1	5,400							210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
200	55	80.9	265.8	10,000*							55
	60	79.8	264.8	10,000*							60
	65	78.7	263.6	10,000*	80.9	262.4	10,000*				65
	70	77.6	262.4	10,000*	79.7	261.2	10,000*				70
	75	76.5	261.1	10,000*	78.6	259.8	10,000*	80.7	257.0	10,000*	75
	80	75.3	259.7	10,000*	77.5	258.4	10,000*	79.6	255.6	10,000*	80
	90	73.1	256.5	10,000*	75.2	255.2	10,000*	77.3	252.3	10,000*	90
	100	70.7	252.8	10,000*	72.9	251.5	10,000*	74.9	248.6	10,000*	100
	110	68.4	248.7	10,000*	70.5	247.4	10,000*	72.5	244.4	10,000*	110
	120	66.0	244.1	10,000*	68.1	242.8	10,000*	70.1	239.8	10,000*	120
	130	63.6	239.0	10,000*	65.6	237.6	10,000*	67.6	234.5	10,000*	130
	140	61.1	233.3	10,000*	63.1	231.9	10,000*	65.0	228.8	10,000*	140
	150	58.5	227.1	10,000*	60.5	225.6	10,000*	62.4	222.3	10,000*	150
	160	55.8	220.1	10,000*	57.9	218.6	10,000*	59.7	215.3	10,000*	160
	170	53.1	212.5	9,400	55.1	210.9	10,000*	56.9	207.4	10,000*	170
	180	50.3	204.0	8,000	52.2	202.4	8,600				180
	190	47.3	194.7	6,800	49.2	193.0	7,300				190
	200	44.1	184.2	5,800	46.1	182.4	6,200				200
	210	40.8	172.6	4,800							210
210	60	80.2	275.0	10,000*							60
	65	79.1	273.9	10,000*							65
	70	78.1	272.7	10,000*	80.1	271.5	10,000*				70
	75	77.0	271.4	10,000*	79.0	270.2	10,000*				75
	80	75.9	270.1	10,000*	77.9	268.8	10,000*	80.0	265.9	10,000*	80
	90	73.7	267.0	10,000*	75.7	265.7	10,000*	77.8	262.8	10,000*	90
	100	71.5	263.5	10,000*	73.5	262.2	10,000*	75.5	259.3	10,000*	100
	110	69.2	259.6	10,000*	71.3	258.3	10,000*	73.2	255.3	10,000*	110
	120	66.9	255.2	10,000*	69.0	253.8	10,000*	70.9	250.8	10,000*	120
	130	64.6	250.3	10,000*	66.6	248.9	10,000*	68.5	245.8	10,000*	130
	140	62.2	244.9	10,000*	64.2	243.5	10,000*	66.1	240.3	10,000*	140
	150	59.8	238.9	10,000*	61.8	237.5	10,000*	63.6	234.2	10,000*	150
	160	57.3	232.4	10,000*	59.2	230.9	10,000*	61.0	227.5	10,000*	160
	170	54.7	225.2	9,000	56.6	223.6	9,700	58.4	220.1	10,000*	170
	180	52.0	217.2	7,700	53.9	215.6	8,200	55.7	212.0	8,800	180
	190	49.2	208.5	6,500	51.1	206.8	7,000				190
	200	46.3	198.8	5,400	48.2	197.0	5,800				200
	210	43.3	188.1	4,400	45.1	186.2	4,800				210
220	60	80.5	285.2	10,000*							60
	65	79.5	284.1	10,000*							65
	70	78.5	283.0	10,000*	80.5	281.7	10,000*				70
	75	77.4	281.8	10,000*	79.4	280.5	10,000*				75
	80	76.4	280.4	10,000*	78.4	279.2	10,000*	80.4	276.3	10,000*	80
	90	74.3	277.5	10,000*	76.3	276.2	10,000*	78.2	273.3	10,000*	90
	100	72.2	274.2	10,000*	74.1	272.8	10,000*	76.0	269.9	10,000*	100
	110	70.0	270.4	10,000*	72.0	269.0	10,000*	73.9	266.0	10,000*	110
	120	67.8	266.2	10,000*	69.8	264.8	10,000*	71.6	261.8	10,000*	120
	130	65.6	261.5	10,000*	67.5	260.1	10,000*	69.4	257.0	10,000*	130
	140	63.3	256.3	10,000*	65.2	254.9	10,000*	67.0	251.7	10,000*	140
	150	61.0	250.6	10,000*	62.9	249.2	10,000*	64.7	245.9	10,000*	150
	160	58.6	244.4	10,000*	60.5	242.9	10,000*	62.2	239.6	10,000*	160
	170	56.1	237.6	8,400	58.0	236.0	9,100	59.7	232.6	9,700	170
	180	53.6	230.1	7,100	55.5	228.5	7,700	57.2	224.9	8,300	180
	190	51.0	221.8	5,900	52.8	220.2	6,400				190
	200	48.3	212.8	4,800	50.1	211.1	5,300				200
	210				47.2	201.0	4,300				210



LIFT CRANE JIB CAPACITIES MEETS ANSI B30.5 REQUIREMENTS 4100W

JIB NO. 123 WITH 12' 6" STRUT ON
BOOM NO. 22A OR NO. 22C WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES - 122,400 LB. COUNTERWEIGHT
26' 6" CRAWLERS EXTENDED

4100W SERIES 1

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
230	60	80.9	295.3	10,000*							60
	65	79.9	294.3	10,000*							65
	70	78.9	293.3	10,000*	80.8	292.0	10,000*				70
	75	77.9	292.1	10,000*	79.8	290.8	10,000*				75
	80	76.9	290.8	10,000*	78.8	289.5	10,000*	80.7	286.6	10,000*	80
	90	74.8	288.0	10,000*	76.8	286.6	10,000*	78.6	283.7	10,000*	90
	100	72.8	284.7	10,000*	74.7	283.4	10,000*	76.6	280.4	10,000*	100
	110	70.7	281.1	10,000*	72.6	279.8	10,000*	74.4	276.7	10,000*	110
	120	68.6	277.1	10,000*	70.5	275.7	10,000*	72.3	272.6	10,000*	120
	130	66.5	272.6	10,000*	68.3	271.2	10,000*	70.1	268.1	10,000*	130
	140	64.3	267.6	10,000*	66.2	266.2	10,000*	67.9	263.0	10,000*	140
	150	62.1	262.2	10,000*	63.9	260.8	10,000*	65.7	257.5	10,000*	150
	160	59.8	256.3	9,500	61.6	254.8	10,000*	63.3	251.4	10,000*	160
	170	57.5	249.7	7,900	59.3	248.2	8,700	61.0	244.8	9,300	170
	180	55.1	242.6	6,600	56.9	241.1	7,200	58.5	237.5	7,800	180
	190	52.6	234.9	5,400	54.4	233.2	6,000	56.0	229.6	6,500	190
	200	50.0	226.4	4,300	51.8	224.7	4,800				200

REFERENCE ONLY