

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3900T SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 9A WITH OPEN THROAT TOP
74,000 LB. CRANE COUNTERWEIGHT
10,500 LB. FRONT BUMPER COUNTERWEIGHT
RATING OVER SIDE OR REAR ON EXTENDED OUTRIGGERS
85% TIPPING

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 6279-A. CAPACITIES FOR VARIOUS BOOM LENGTHS, JIB LENGTHS AND JIB OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 85% 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 AND OUTRIGGERS FULLY EXTENDED AND SET. REFER TO BOOM RIGGING NO. 49447, JIB ASSEMBLY NO. 43730, WIRE ROPE SPECIFICATION CHART NO. 6435 AND OPERATING RANGE DIAGRAM CHART NO. 6423-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, 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 MANITOWOC-HENDRICKSON OR MANITOWOC-PIERCE 12 X 6 CARRIER, 226" WHEELBASE, 105" FRONT AXLE TRACK, 100" REAR AXLE TRACK, 14.00-20 TIRES, 112" OUTRIGGERS, 15' RETRACTABLE GANTRY, 10 OR 12 PART BOOM HOIST REEVING, FOUR 1-1/4" BOOM PENDANTS, 74,000 LB. CRANE COUNTERWEIGHT AND 10,500 LB. FRONT BUMPER COUNTERWEIGHT.

DO NOT ROTATE UPPERWORKS OVER SIDE WITH 61,200 LB. OR 74,000 LB. COUNTERWEIGHT ATTACHED UNLESS OUTRIGGERS ARE FULLY EXTENDED AND SET.

MAXIMUM CAPACITY ON 1" - 6 X 25 IPS. IWRC IS 22,500 LBS. PER LINE.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED			
OVER REAR ON EXTENDED OUTRIGGERS		OVER SIDE ON EXTENDED OUTRIGGERS	
BM. LGTH.	JIB NO. 123	BM. LGTH.	JIB NO. 123
220'	---	220'	---
220'	50'	210'	---
210'	60'	200'	40'
		190'	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	
100	30	78.9	137.7	40,000*							30
	35	76.7	136.5	40,000*	78.8	136.1	40,000*				35
	40	74.4	135.2	40,000*	76.6	134.7	40,000*	78.7	133.5	40,000*	40
	45	72.2	133.7	40,000*	74.3	133.2	40,000*	76.4	131.9	40,000*	45
	50	69.9	131.9	40,000*	72.0	131.4	40,000*	74.1	130.1	40,000*	50
	55	67.5	129.9	40,000*	69.7	129.4	40,000*	71.8	128.1	40,000*	55
	60	65.2	127.7	40,000*	67.3	127.2	40,000*	69.4	125.9	40,000*	60
	65	62.8	125.2	40,000*	64.9	124.7	40,000*	66.9	123.4	40,000*	65
	70	60.3	122.5	39,900	62.4	121.9	40,000*	64.4	120.6	39,000*	70
	80	55.2	116.1	33,200	57.3	115.5	33,600	59.2	114.0	33,900	80
110	90	49.7	108.3	28,100	51.7	107.7	28,400	53.6	106.1	28,700	90
	100	43.7	98.7	24,200	45.7	98.1	24,400				100
	110	37.0	86.8	21,000							110
120	30	79.7	147.8	40,000*							30
	35	77.6	146.8	40,000*	79.7	146.3	40,000*				35
	40	75.5	145.6	40,000*	77.6	145.1	40,000*	79.6	143.8	40,000*	40
	45	73.5	144.2	40,000*	75.5	143.7	40,000*	77.4	142.4	40,000*	45
	50	71.3	142.5	40,000*	73.4	142.1	40,000*	75.3	140.8	40,000*	50
	55	69.2	140.7	40,000*	71.2	140.2	40,000*	73.1	138.9	40,000*	55
	60	67.0	138.7	40,000*	69.0	138.2	40,000*	70.9	136.8	40,000*	60
	65	64.8	136.4	40,000*	66.8	135.9	40,000*	68.7	134.5	40,000*	65
	70	62.6	133.9	39,300	64.6	133.4	39,900	66.4	132.0	40,000*	70
	80	57.9	128.1	32,600	59.9	127.6	33,100	61.7	126.1	33,500	80
	90	53.0	121.1	27,600	55.0	120.6	27,900	56.7	119.0	28,300	90
	100	47.8	112.8	23,600	49.7	112.1	23,900				100
	110	42.0	102.6	20,400	43.9	101.9	20,700				110
	120	35.6	90.0	17,900							120

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BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
120	30	80.4	158.0	40,000*	80.3	156.6	40,000*				30
	35	78.4	157.0	40,000*	78.4	155.4	40,000*	80.3	154.1	40,000*	35
	40	76.5	155.9	40,000*	76.5	154.1	40,000*	78.3	152.8	40,000*	40
	45	74.6	154.6	40,000*	74.5	152.6	40,000*	76.3	151.3	40,000*	45
	50	72.6	153.1	40,000*	72.5	150.9	40,000*	74.3	149.6	40,000*	50
	55	70.6	151.4	40,000*	70.5	149.0	40,000*	72.3	147.6	40,000*	55
	60	68.6	149.5	40,000*	68.4	146.9	40,000*	70.2	145.5	40,000*	60
	65	66.6	147.4	40,000*	66.4	144.6	39,500	68.1	143.2	40,000*	65
	70	64.5	145.1	38,900	62.1	139.2	32,600	63.8	137.8	33,100	70
	80	60.3	139.8	32,100	57.6	132.9	27,500	59.3	131.4	27,900	80
	90	55.8	133.5	27,100	52.9	125.4	23,500	54.5	123.8	23,800	90
	100	51.1	126.0	23,100	47.8	116.4	20,300				100
	110	46.1	117.1	20,000	42.3	105.6	17,600				110
130	120	40.6	106.4	17,400							120
	130	34.3	93.2	15,200							130
140	30	81.0	168.1	40,000*	80.9	166.8	40,000*				30
	35	79.2	167.2	40,000*	79.1	165.7	40,000*	80.9	164.4	40,000*	35
	40	77.4	166.2	40,000*	77.3	164.4	40,000*	79.1	163.1	40,000*	40
	45	75.5	164.9	40,000*	75.5	163.0	40,000*	77.2	161.7	40,000*	45
	50	73.7	163.5	40,000*	73.6	161.5	40,000*	75.3	160.1	40,000*	50
	55	71.9	162.0	40,000*	71.8	159.7	40,000*	73.4	158.3	40,000*	55
	60	70.0	160.2	40,000*	69.9	157.7	40,000*	71.5	156.4	40,000*	60
	65	68.1	158.3	40,000*	67.9	155.6	39,000	69.6	154.2	39,600	65
	70	66.2	156.1	38,300	64.0	150.7	32,100	65.6	149.2	32,700	70
	80	62.3	151.2	31,600	59.9	144.9	27,000	61.5	143.4	27,400	80
	90	58.2	145.4	26,500	55.6	138.0	23,000	57.1	136.5	23,300	90
	100	53.9	138.6	22,600	51.1	130.0	19,700	52.5	128.3	20,000	100
	110	49.4	130.6	19,400	46.2	120.5	17,100				110
	120	44.6	121.2	16,800							120
150	130	39.2	110.0	14,600							130
	140	33.2	96.2	12,800							140
160	35	79.8	177.4	40,000*	79.8	175.9	40,000*	79.7	173.4	40,000*	35
	40	78.1	176.4	40,000*	78.1	174.8	40,000*	78.0	172.1	40,000*	40
	45	76.4	175.3	40,000*	76.4	173.4	40,000*	76.2	170.6	40,000*	45
	50	74.7	174.0	40,000*	74.6	172.0	40,000*	74.5	169.0	40,000*	50
	55	73.0	172.5	40,000*	72.9	170.3	40,000*	72.7	167.1	40,000*	55
	60	71.2	170.8	40,000*	71.1	168.5	40,000*	70.9	165.1	39,400	60
	65	69.4	169.0	40,000*	69.3	166.5	38,800	67.2	160.5	32,500	65
	70	67.6	167.0	38,100	65.6	161.9	31,900	63.3	155.1	27,200	70
	80	64.0	162.5	31,300	61.8	156.6	26,800				80
	90	60.2	157.1	26,300	57.9	150.3	22,700	55.2	141.3	19,800	90
	100	56.3	150.9	22,300	53.8	143.0	19,500				100
	110	52.2	143.6	19,200	49.4	134.5	16,900				110
	120	47.8	135.1	16,600	44.7	124.5	14,600				120
180	130	43.2	125.2	14,400							130
	140	38.0	113.4	12,600							140
	150	32.2	99.1	11,000							150
200	35	80.4	187.6	40,000*	80.4	186.1	40,000*	80.3	183.7	40,000*	35
	40	78.8	186.6	40,000*	78.7	185.0	40,000*	78.7	182.5	40,000*	40
	45	77.2	185.6	40,000*	77.1	183.8	40,000*	77.0	181.1	40,000*	45
	50	75.5	184.3	40,000*	75.5	182.4	40,000*	75.4	179.5	40,000*	50
	55	73.9	182.9	40,000*	73.8	180.9	40,000*	73.7	177.8	40,000*	55
	60	72.3	181.4	40,000*	72.2	179.1	40,000*	72.0	175.9	39,100	60
	65	70.6	179.7	40,000*	70.5	177.3	38,400	68.5	171.6	32,100	65
	70	68.9	177.8	37,600	67.1	173.0	31,500	65.0	166.5	26,800	70
	80	65.5	173.6	30,900	63.6	168.0	26,300				80
	90	62.0	168.6	25,800	59.9	162.2	22,300	61.3	160.7	22,700	90
	100	58.4	162.8	21,900	56.1	155.5	19,100	57.5	153.9	19,400	100
	110	54.6	156.1	18,700	52.1	147.7	16,400	53.4	146.0	16,700	110
	120	50.6	148.4	16,100	47.9	138.8	14,200				120
	130	46.4	139.5	13,900	43.4	128.3	12,300				130
	140	41.9	129.1	12,100							140
	150	36.9	116.8	10,500							150

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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	35	80.9	197.7	40,000*							35
	40	79.4	196.8	40,000*	80.9	196.3	40,000*				40
	45	77.8	195.8	40,000*	79.3	195.3	40,000*	80.8	193.9	40,000*	45
	50	76.3	194.6	40,000*	77.8	194.1	40,000*	79.3	192.8	40,000*	50
	55	74.8	193.3	40,000*	76.3	192.8	40,000*	77.7	191.4	40,000*	55
	60	73.2	191.9	40,000*	74.7	191.3	40,000*	76.2	190.0	40,000*	60
	65	71.7	190.3	40,000*	73.1	189.7	40,000*	74.6	188.3	40,000*	65
	70	70.1	188.5	37,200	71.6	188.0	38,000	73.0	186.6	38,700	70
	80	66.9	184.5	30,400	68.3	184.0	31,100	69.7	182.5	31,700	80
	90	63.6	179.8	25,400	65.0	179.3	25,900	66.4	177.8	26,400	90
	100	60.2	174.4	21,400	61.7	173.9	21,900	63.0	172.3	22,300	100
	110	56.7	168.2	18,200	58.1	167.6	18,600	59.4	166.1	19,000	110
	120	53.1	161.1	15,600	54.5	160.5	16,000	55.7	158.9	16,300	120
	130	49.2	153.0	13,500	50.6	152.3	13,800	51.8	150.6	14,000	130
	140	45.1	143.7	11,600	46.5	143.0	11,900				140
	150	40.7	132.8	10,000	42.1	132.0	10,300				150
	160	35.9	120.1	8,700							160
170	40	79.9	207.0	40,000*	79.9	205.5	40,000*				40
	45	78.4	206.0	40,000*	78.4	204.4	40,000*	79.8	203.0	40,000*	45
	50	77.0	204.9	40,000*	77.0	203.2	40,000*	78.3	201.8	40,000*	50
	55	75.5	203.7	40,000*	75.5	201.8	40,000*	76.9	200.4	40,000*	55
	60	74.1	202.3	40,000*	74.0	200.2	40,000*	75.4	198.9	40,000*	60
	65	72.6	200.8	40,000*	72.5	198.6	37,500	73.9	197.2	38,300	65
	70	71.1	199.1	36,700	69.5	194.8	30,600	70.8	193.4	31,300	70
	80	68.1	195.3	29,900	66.4	190.4	25,400	67.7	188.9	26,000	80
	90	65.0	191.0	24,800	63.2	185.3	21,400	64.5	183.8	21,900	90
	100	61.8	185.9	20,900	59.9	179.5	18,100	61.2	178.0	18,600	100
	110	58.5	180.1	17,700	56.5	172.9	15,500	57.7	171.3	15,800	110
	120	55.2	173.5	15,100	53.0	165.4	13,300	54.1	163.7	13,600	120
	130	51.6	166.0	12,900	49.2	156.8	11,400				130
	140	47.9	157.5	11,100	45.3	147.0	9,700				140
	150	43.9	147.7	9,500							150
	160	39.7	136.5	8,100							160
	170	35.0	123.2	6,900							170
180	40	80.4	217.2	40,000*	80.4	215.7	40,000*				40
	45	79.0	216.2	40,000*	79.0	214.7	40,000*	80.3	213.3	40,000*	45
	50	77.6	215.2	40,000*	77.6	213.5	40,000*	78.9	212.1	40,000*	50
	55	76.2	214.0	40,000*	76.2	212.2	40,000*	77.5	210.8	40,000*	55
	60	74.8	212.7	40,000*	74.8	210.7	40,000*	76.1	209.3	40,000*	60
	65	73.4	211.2	40,000*	73.4	209.1	37,300	74.7	207.7	38,100	65
	70	72.0	209.7	36,400	70.5	205.6	30,400	71.8	204.1	31,100	70
	80	69.2	206.1	29,600	67.6	201.4	25,200	68.8	199.9	25,800	80
	90	66.2	202.0	24,500	64.6	196.6	21,100	65.8	195.1	21,600	90
	100	63.3	197.2	20,600	61.5	191.2	17,900	62.7	189.6	18,300	100
	110	60.2	191.8	17,400	58.3	185.0	15,200	59.5	183.4	15,600	110
	120	57.0	185.6	14,800	55.0	178.0	13,000	56.2	176.3	13,300	120
	130	53.7	178.6	12,600	51.6	170.1	11,100	52.7	168.4	11,400	130
	140	50.3	170.8	10,800	47.9	161.1	9,500				140
	150	46.7	161.8	9,200	44.1	150.9	8,100				150
	160	42.8	151.7	7,800							160
	170	38.7	140.0	6,700							170
	180	34.1	126.3	5,600							180

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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	
190	40	80.8	227.3	40,000*							40
	45	79.5	226.4	40,000*	80.8	225.9	40,000*				45
	50	78.2	225.4	40,000*	79.5	224.9	40,000*	80.8	223.5	40,000*	50
	55	76.9	224.3	40,000*	78.2	223.8	40,000*	79.4	222.4	40,000*	55
	60	75.5	223.0	40,000*	76.8	222.5	40,000*	78.1	221.1	40,000*	60
	65	74.2	221.7	40,000*	75.5	221.1	40,000*	76.7	219.7	40,000*	65
	70	72.9	220.2	35,900	74.1	219.6	36,800	75.4	218.2	37,700	70
	80	70.1	216.8	29,200	71.4	216.2	29,900	72.6	214.8	30,700	80
	90	67.4	212.9	24,100	68.6	212.3	24,700	69.8	210.8	25,400	90
	100	64.5	208.3	20,100	65.8	207.8	20,700	67.0	206.3	21,200	100
	110	61.7	203.2	16,900	62.9	202.6	17,400	64.1	201.1	17,900	110
	120	58.7	197.4	14,300	59.9	196.8	14,700	61.1	195.3	15,100	120
	130	55.6	190.9	12,100	56.8	190.3	12,500	58.0	188.7	12,900	130
	140	52.4	183.6	10,300	53.6	183.0	10,600	54.7	181.3	10,900	140
	150	49.1	175.4	8,700	50.3	174.7	9,000				150
	160	45.6	166.1	7,300	46.8	165.4	7,600				160
	170	41.8	155.5	6,100	43.0	154.8	6,400				170
	180	37.8	143.4	5,100							180
	190	33.3	129.3	4,100							190
200	45	80.0	236.6	40,000*							45
	50	78.7	235.6	40,000*	79.9	235.1	40,000*				50
	55	77.4	234.6	40,000*	78.7	234.0	40,000*	79.9	232.6	40,000*	55
	60	76.2	233.4	40,000*	77.4	232.8	40,000*	78.6	231.4	40,000*	60
	65	74.9	232.1	39,800	76.1	231.5	40,000*	77.3	230.1	39,200*	65
	70	73.6	230.6	35,500	74.9	230.1	36,500	76.0	228.7	37,400	70
	80	71.0	227.4	28,700	72.3	226.9	29,500	73.4	225.4	30,300	80
	90	68.4	223.7	23,600	69.6	223.1	24,300	70.8	221.7	25,000	90
	100	65.7	219.4	19,700	66.9	218.8	20,300	68.1	217.3	20,800	100
	110	63.0	214.5	16,500	64.2	214.0	17,000	65.3	212.4	17,500	110
	120	60.2	209.1	13,900	61.4	208.5	14,300	62.5	206.9	14,700	120
	130	57.3	203.0	11,700	58.5	202.3	12,100	59.5	200.7	12,500	130
	140	54.3	196.1	9,800	55.5	195.5	10,200	56.5	193.8	10,500	140
	150	51.2	188.4	8,300	52.4	187.8	8,600	53.4	186.0	8,900	150
	160	47.9	179.9	6,900	49.1	179.2	7,200				160
	170	44.5	170.2	5,700	45.7	169.5	5,900				170
	180	40.9	159.3	4,600	42.0	158.5	4,800				180
	190	36.9	146.8	3,700							190
210	45	80.4	246.7	40,000*							45
	50	79.2	245.8	40,000*	80.4	245.3	40,000*				50
	55	78.0	244.8	40,000*	79.2	244.3	40,000*	80.3	242.9	40,000*	55
	60	76.8	243.7	40,000*	77.9	243.1	40,000*	79.1	241.7	39,600*	60
	65	75.5	242.4	39,300	76.7	241.9	40,000*	77.9	240.5	38,200*	65
	70	74.3	241.0	35,000	75.5	240.5	36,000	76.6	239.1	36,900*	70
	80	71.8	238.0	28,200	73.0	237.4	29,100	74.1	236.0	29,900	80
	90	69.3	234.4	23,100	70.5	233.8	23,900	71.6	232.4	24,600	90
	100	66.8	230.3	19,200	67.9	229.8	19,800	69.0	228.3	20,400	100
	110	64.2	225.7	16,000	65.3	225.1	16,500	66.4	223.6	17,000	110
	120	61.5	220.6	13,400	62.7	220.0	13,800	63.7	218.4	14,300	120
	130	58.8	214.8	11,200	59.9	214.2	11,600	61.0	212.6	12,000	130
	140	56.0	208.3	9,300	57.1	207.7	9,700	58.1	206.0	10,100	140
	150	53.1	201.1	7,700	54.2	200.5	8,100	55.2	198.8	8,400	150
	160	50.0	193.1	6,400	51.2	192.5	6,700	52.1	190.7	6,900	160
	170	46.9	184.2	5,200	48.0	183.5	5,400				170
	180	43.5	174.2	4,100	44.6	173.5	4,300				180
	190	40.0	162.9	3,200							190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3900T SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 9A WITH OPEN THROAT TOP
74,000 LB. CRANE COUNTERWEIGHT
10,500 LB. FRONT BUMPER COUNTERWEIGHT
RATING OVER SIDE OR REAR ON EXTENDED OUTRIGGERS
85% TIPPING

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	45	80.8	256.9	40,000*							45
	50	79.6	256.0	40,000*	80.8	255.5	40,000*				50
	55	78.4	255.0	40,000*	79.6	254.5	40,000*				55
	60	77.3	253.9	40,000*	78.4	253.4	40,000*	79.5	252.0	37,900*	60
	65	76.1	252.7	39,000	77.3	252.2	40,000*	78.4	250.8	36,600*	65
	70	74.9	251.4	34,700	76.1	250.9	35,700	77.2	249.5	35,500*	70
	80	72.6	248.5	27,900	73.7	247.9	28,800	74.8	246.5	29,600	80
	90	70.2	245.1	22,800	71.3	244.5	23,600	72.4	243.1	24,300	90
	100	67.8	241.2	18,800	68.9	240.6	19,500	69.9	239.1	20,100	100
	110	65.3	236.8	15,700	66.4	236.2	16,200	67.4	234.7	16,800	110
	120	62.7	231.9	13,000	63.9	231.3	13,600	64.9	229.8	14,000	120
	130	60.2	226.4	10,900	61.3	225.8	11,300	62.3	224.2	11,700	130
	140	57.5	220.3	9,000	58.6	219.7	9,400	59.6	218.1	9,800	140
	150	54.8	213.5	7,400	55.8	212.9	7,800	56.8	211.2	8,100	150
	160	51.9	206.0	6,100	53.0	205.4	6,400	53.9	203.6	6,700	160
	170	49.0	197.7	4,900	50.0	197.0	5,100				170
	180	45.9	188.5	3,800	46.9	187.8	4,100				180
	190				43.7	177.4	3,100				190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3900T SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 9A WITH OPEN THROAT TOP
74,000 LB. CRANE COUNTERWEIGHT
10,500 LB. FRONT BUMPER COUNTERWEIGHT
RATING OVER SIDE OR REAR ON EXTENDED OUTRIGGERS
85% TIPPING

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	
100	30	79.9	147.8	30,000*							30
	35	77.9	146.8	30,000*	80.6	146.2	30,000*				35
	40	75.8	145.6	30,000*	78.5	144.9	30,000*				40
	45	73.7	144.2	30,000*	76.4	143.5	30,000*	79.1	141.9	30,000*	45
	50	71.6	142.5	30,000*	74.3	141.9	30,000*	76.9	140.3	30,000*	50
	55	69.5	140.7	30,000*	72.1	140.1	30,000*	74.7	138.4	30,000*	55
	60	67.3	138.7	30,000*	69.9	138.0	30,000*	72.5	136.3	30,000*	60
	65	65.1	136.4	30,000*	67.7	135.7	30,000*	70.3	134.0	30,000*	65
	70	62.8	133.9	30,000*	65.5	133.2	30,000*	68.0	131.5	30,000*	70
	80	58.2	128.1	30,000*	60.8	127.4	30,000*	63.2	125.5	28,100*	80
	90	53.3	121.1	28,300	55.9	120.4	28,800	58.2	118.4	26,100*	90
	100	48.0	112.8	24,400	50.6	111.9	24,700	52.8	109.8	24,500*	100
110	110	42.3	102.6	21,200	44.8	101.7	21,500				110
	120	35.8	90.0	18,600							120
120	30	80.6	158.0	30,000*							30
	35	78.7	157.0	30,000*							35
	40	76.7	155.9	30,000*	79.3	155.2	30,000*				40
	45	74.8	154.6	30,000*	77.3	153.9	30,000*	79.8	152.3	30,000*	45
	50	72.8	153.1	30,000*	75.4	152.4	30,000*	77.8	150.8	30,000*	50
	55	70.9	151.4	30,000*	73.4	150.7	30,000*	75.8	149.0	30,000*	55
	60	68.9	149.5	30,000*	71.3	148.8	30,000*	73.8	147.1	30,000*	60
	65	66.8	147.4	30,000*	69.3	146.7	30,000*	71.7	145.0	30,000*	65
	70	64.7	145.1	30,000*	67.2	144.4	30,000*	69.6	142.6	30,000*	70
	80	60.5	139.8	30,000*	62.9	139.1	30,000*	65.3	137.2	29,000*	80
	90	56.0	133.5	27,800	58.5	132.7	28,300	60.7	130.8	27,000*	90
	100	51.3	126.0	23,800	53.7	125.2	24,200	55.9	123.1	24,600	100
130	110	46.3	117.1	20,700	48.7	116.2	21,000				110
	120	40.8	106.3	18,100	43.1	105.4	18,300				120
	130	34.6	93.1	15,900							130
140	35	79.4	167.2	30,000*							35
	40	77.6	166.2	30,000*	80.0	165.5	30,000*				40
	45	75.8	164.9	30,000*	78.1	164.3	30,000*	80.5	162.6	30,000*	45
	50	73.9	163.5	30,000*	76.3	162.9	30,000*	78.6	161.2	30,000*	50
	55	72.1	162.0	30,000*	74.4	161.3	30,000*	76.7	159.6	30,000*	55
	60	70.2	160.2	30,000*	72.6	159.5	30,000*	74.8	157.8	30,000*	60
	65	68.3	158.3	30,000*	70.7	157.6	30,000*	72.9	155.8	30,000*	65
	70	66.4	156.1	30,000*	68.7	155.4	30,000*	71.0	153.6	30,000*	70
	80	62.5	151.2	30,000*	64.8	150.5	30,000*	67.0	148.7	29,900*	80
	90	58.4	145.4	27,300	60.7	144.7	27,900	62.8	142.8	27,900*	90
	100	54.1	138.6	23,300	56.4	137.8	23,800	58.5	135.8	24,200	100
	110	49.6	130.6	20,200	51.9	129.8	20,600	53.8	127.6	20,900	110
150	120	44.8	121.2	17,600	47.0	120.3	17,900				120
	130	39.5	109.9	15,400							130
	140	33.4	96.1	13,600							140
160	35	80.0	177.4	30,000*							35
	40	78.3	176.4	30,000*	80.6	175.7	30,000*				40
	45	76.6	175.3	30,000*	78.8	174.6	30,000*				45
	50	74.9	173.9	30,000*	77.1	173.3	30,000*	79.3	171.6	30,000*	50
	55	73.2	172.5	30,000*	75.4	171.8	30,000*	77.5	170.1	30,000*	55
	60	71.4	170.8	30,000*	73.6	170.1	30,000*	75.8	168.4	30,000*	60
	65	69.6	169.0	30,000*	71.8	168.3	30,000*	74.0	166.5	30,000*	65
	70	67.9	167.0	30,000*	70.1	166.3	30,000*	72.2	164.5	30,000*	70
	80	64.2	162.5	30,000*	66.4	161.7	30,000*	68.5	159.9	30,000*	80
	90	60.4	157.1	26,800	62.6	156.4	27,400	64.6	154.5	27,900	90
	100	56.5	150.9	22,800	58.7	150.1	23,300	60.6	148.1	23,800	100
	110	52.4	143.6	19,600	54.5	142.8	20,100	56.4	140.7	20,500	110
170	120	48.1	135.1	17,000	50.1	134.2	17,400				120
	130	43.4	125.2	14,800	45.4	124.2	15,100				130
	140	38.2	113.4	13,000							140
	150	32.4	99.0	11,400							150

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3900T SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 9A WITH OPEN THROAT TOP
74,000 LB. CRANE COUNTERWEIGHT
10,500 LB. FRONT BUMPER COUNTERWEIGHT
RATING OVER SIDE OR REAR ON EXTENDED OUTRIGGERS
85% TIPPING

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	
140	35	80.6	187.6	30,000*							35
	40	79.0	186.6	30,000*							40
	45	77.4	185.5	30,000*	79.5	184.9	30,000*				45
	50	75.7	184.3	30,000*	77.8	183.6	30,000*	79.9	181.9	30,000*	50
	55	74.1	182.9	30,000*	76.2	182.2	30,000*	78.3	180.5	30,000*	55
	60	72.5	181.4	30,000*	74.6	180.7	30,000*	76.6	178.9	30,000*	60
	65	70.8	179.7	30,000*	72.9	179.0	30,000*	74.9	177.2	30,000*	65
	70	69.1	177.8	30,000*	71.2	177.1	30,000*	73.2	175.3	30,000*	70
	80	65.7	173.5	30,000*	67.8	172.8	30,000*	69.7	171.0	30,000*	80
	90	62.2	168.6	26,500	64.3	167.8	27,100	66.2	165.9	27,700	90
	100	58.6	162.8	22,500	60.6	162.0	23,100	62.5	160.0	23,600	100
	110	54.8	156.1	19,400	56.8	155.3	19,800	58.6	153.2	20,200	110
	120	50.8	148.4	16,800	52.8	147.5	17,200	54.6	145.3	17,500	120
	130	46.6	139.4	14,600	48.6	138.5	14,900				130
	140	42.1	129.1	12,700	44.0	128.1	13,000				140
	150	37.1	116.8	11,200							150
150	40	79.5	196.8	30,000*							40
	45	78.0	195.8	30,000*	80.0	195.1	30,000*				45
	50	76.5	194.6	30,000*	78.5	193.9	30,000*	80.5	192.2	30,000*	50
	55	75.0	193.3	30,000*	76.9	192.6	30,000*	78.9	190.9	30,000*	55
	60	73.4	191.9	30,000*	75.4	191.1	30,000*	77.3	189.4	30,000*	60
	65	71.8	190.2	30,000*	73.8	189.5	30,000*	75.7	187.7	30,000*	65
	70	70.3	188.5	30,000*	72.2	187.8	30,000*	74.1	186.0	30,000*	70
	80	67.1	184.5	30,000*	69.0	183.8	30,000*	70.9	181.9	30,000*	80
	90	63.8	179.8	26,000	65.7	179.1	26,700	67.6	177.2	27,400	90
	100	60.4	174.4	22,100	62.3	173.6	22,700	64.1	171.7	23,200	100
	110	56.9	168.2	18,900	58.8	167.4	19,400	60.6	165.4	19,900	110
	120	53.2	161.1	16,300	55.1	160.3	16,700	56.8	158.1	17,100	120
	130	49.4	153.0	14,100	51.3	152.1	14,500	52.9	149.8	14,800	130
	140	45.3	143.6	12,300	47.2	142.7	12,600				140
	150	40.9	132.8	10,700	42.7	131.8	11,000				150
	160	36.1	120.0	9,300							160
160	40	80.1	207.0	30,000*							40
	45	78.6	206.0	30,000*	80.5	205.3	30,000*				45
	50	77.2	204.9	30,000*	79.1	204.2	30,000*	80.9	202.4	30,000*	50
	55	75.7	203.7	30,000*	77.6	203.0	30,000*	79.5	201.2	30,000*	55
	60	74.2	202.3	30,000*	76.1	201.6	30,000*	78.0	199.8	30,000*	60
	65	72.8	200.8	30,000*	74.7	200.0	30,000*	76.5	198.3	30,000*	65
	70	71.3	199.1	30,000*	73.2	198.4	30,000*	75.0	196.6	30,000*	70
	80	68.3	195.3	30,000*	70.1	194.6	30,000*	71.9	192.7	30,000*	80
	90	65.2	190.9	25,600	67.0	190.2	26,300	68.8	188.3	27,000	90
	100	62.0	185.9	21,600	63.8	185.1	22,200	65.6	183.2	22,800	100
	110	58.7	180.1	18,400	60.5	179.3	19,000	62.2	177.3	19,500	110
	120	55.3	173.5	15,800	57.1	172.7	16,300	58.8	170.6	16,700	120
	130	51.8	166.0	13,600	53.6	165.1	14,000	55.2	162.9	14,400	130
	140	48.1	157.5	11,800	49.8	156.6	12,100				140
	150	44.1	147.7	10,200	45.9	146.7	10,500				150
	160	39.9	136.4	8,800							160
	170	35.2	123.2	7,600							170

MANITOWOC ENGINEERING CO.

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LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3900T SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 9A WITH OPEN THROAT TOP
74,000 LB. CRANE COUNTERWEIGHT
10,500 LB. FRONT BUMPER COUNTERWEIGHT
RATING OVER SIDE OR REAR ON EXTENDED OUTRIGGERS
85% TIPPING

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
170	40	80.5	217.2	30,000*							40
	45	79.2	216.2	30,000*	81.0	215.5	30,000*				45
	50	77.8	215.2	30,000*	79.6	214.5	30,000*				50
	55	76.4	214.0	30,000*	78.2	213.3	30,000*	80.0	211.5	30,000*	55
	60	75.0	212.7	30,000*	76.8	212.0	30,000*	78.6	210.2	30,000*	60
	65	73.6	211.2	30,000*	75.4	210.5	30,000*	77.2	208.7	30,000*	65
	70	72.2	209.7	30,000*	74.0	208.9	30,000*	75.7	207.1	30,000*	70
	80	69.3	206.1	30,000*	71.1	205.4	30,000*	72.8	203.5	30,000*	80
	90	66.4	201.9	25,100	68.2	201.2	25,900	69.9	199.3	26,600	90
	100	63.4	197.2	21,100	65.2	196.4	21,800	66.8	194.5	22,400	100
	110	60.4	191.7	17,900	62.1	190.9	18,500	63.7	188.9	19,000	110
	120	57.2	185.6	15,300	58.9	184.8	15,800	60.5	182.7	16,300	120
	130	53.9	178.6	13,100	55.6	177.8	13,600	57.2	175.6	14,000	130
	140	50.5	170.8	11,300	52.2	169.9	11,700	53.7	167.6	12,000	140
	150	46.9	161.8	9,700	48.5	160.9	10,000				150
	160	43.0	151.7	8,300	44.7	150.6	8,600				160
	170	38.9	140.0	7,100							170
	180	34.3	126.3	6,000							180
180	40	81.0	227.3	30,000*							40
	45	79.7	226.4	30,000*							45
	50	78.3	225.4	30,000*	80.1	224.7	30,000*				50
	55	77.0	224.3	30,000*	78.8	223.6	30,000*	80.5	221.8	30,000*	55
	60	75.7	223.0	30,000*	77.4	222.3	30,000*	79.1	220.5	30,000*	60
	65	74.4	221.7	30,000*	76.1	220.9	30,000*	77.8	219.1	30,000*	65
	70	73.0	220.2	30,000*	74.7	219.4	30,000*	76.4	217.6	30,000*	70
	80	70.3	216.8	29,900	72.0	216.0	30,000*	73.6	214.2	30,000*	80
	90	67.5	212.8	24,800	69.2	212.1	25,600	70.8	210.2	26,400	90
	100	64.7	208.3	20,800	66.4	207.6	21,500	68.0	205.6	22,200	100
	110	61.8	203.2	17,600	63.5	202.4	18,200	65.0	200.4	18,800	110
	120	58.8	197.4	15,000	60.5	196.6	15,500	62.0	194.6	16,000	120
	130	55.8	190.9	12,800	57.4	190.1	13,300	58.9	187.9	13,700	130
	140	52.6	183.6	11,000	54.2	182.7	11,400	55.7	180.5	11,800	140
	150	49.2	175.4	9,400	50.8	174.4	9,800				150
	160	45.7	166.1	8,000	47.3	165.1	8,300				160
	170	42.0	155.5	6,800	43.5	154.5	7,100				170
	180	37.9	143.4	5,700							180
	190	33.5	129.3	4,800							190
190	45	80.1	236.6	30,000*							45
	50	78.9	235.6	30,000*	80.5	234.9	30,000*				50
	55	77.6	234.5	30,000*	79.2	233.8	30,000*	80.9	232.0	30,000*	55
	60	76.3	233.4	30,000*	78.0	232.6	30,000*	79.6	230.8	30,000*	60
	65	75.1	232.0	30,000*	76.7	231.3	30,000*	78.3	229.5	30,000*	65
	70	73.8	230.6	30,000*	75.4	229.9	30,000*	77.0	228.0	30,000*	70
	80	71.2	227.4	29,400	72.8	226.6	30,000*	74.4	224.8	30,000*	80
	90	68.6	223.6	24,300	70.2	222.9	25,200	71.7	221.0	26,000	90
	100	65.9	219.4	20,300	67.5	218.6	21,100	69.0	216.7	21,800	100
	110	63.1	214.5	17,100	64.7	213.7	17,800	66.2	211.7	18,400	110
	120	60.3	209.1	14,500	61.9	208.3	15,100	63.4	206.2	15,600	120
	130	57.4	202.9	12,300	59.0	202.1	12,800	60.5	200.0	13,300	130
	140	54.4	196.1	10,500	56.0	195.2	10,900	57.4	193.0	11,300	140
	150	51.3	188.4	8,900	52.9	187.5	9,300	54.3	185.2	9,600	150
	160	48.1	179.8	7,500	49.6	178.9	7,900				160
	170	44.7	170.2	6,300	46.2	169.2	6,600				170
	180	41.0	159.3	5,200	42.5	158.2	5,500				180
	190	37.1	146.8	4,300							190
	200	32.7	132.2	3,500							200

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3900T SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 9A WITH OPEN THROAT TOP
74,000 LB. CRANE COUNTERWEIGHT
10,500 LB. FRONT BUMPER COUNTERWEIGHT
RATING OVER SIDE OR REAR ON EXTENDED OUTRIGGERS
85% TIPPING

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
200	45	80.5	246.7	30,000*							45
	50	79.3	245.8	30,000*	80.9	245.1	30,000*				50
	55	78.1	244.8	30,000*	79.7	244.1	30,000*				55
	60	76.9	243.6	30,000*	78.5	242.9	30,000*	80.0	241.1	30,000*	60
	65	75.7	242.4	30,000*	77.3	241.7	30,000*	78.8	239.8	30,000*	65
	70	74.5	241.0	30,000*	76.0	240.3	30,000*	77.6	238.4	30,000*	70
	80	72.0	237.9	29,000	73.6	237.2	30,000*	75.1	235.3	30,000*	80
	90	69.5	234.4	23,900	71.0	233.6	24,800	72.5	231.7	25,600	90
	100	66.9	230.3	19,900	68.5	229.5	20,700	69.9	227.6	21,400	100
	110	64.3	225.7	16,700	65.9	224.9	17,400	67.3	222.9	18,000	110
	120	61.7	220.5	14,100	63.2	219.7	14,700	64.6	217.7	15,200	120
	130	58.9	214.8	11,900	60.5	213.9	12,400	61.9	211.8	12,900	130
	140	56.1	208.3	10,000	57.6	207.4	10,500	59.0	205.3	10,900	140
	150	53.2	201.1	8,400	54.7	200.2	8,900	56.0	198.0	9,200	150
	160	50.2	193.1	7,100	51.7	192.2	7,400	53.0	189.9	7,800	160
210	170	47.0	184.2	5,900	48.5	183.2	6,200				170
	180	43.7	174.2	4,800	45.1	173.2	5,100				180
	190	40.1	162.9	3,800							190
	200	36.3	150.1	3,000							200
	45	80.9	256.9	30,000*							45
	50	79.7	256.0	30,000*							50
	55	78.6	255.0	30,000*	80.1	254.3	30,000*				55
	60	77.4	253.9	30,000*	79.0	253.2	30,000*	80.4	251.3	30,000*	60
	65	76.3	252.7	30,000*	77.8	252.0	30,000*	79.3	250.1	30,000*	65
	70	75.1	251.4	30,000*	76.6	250.7	30,000*	78.1	248.8	30,000*	70
220	80	72.7	248.5	28,500	74.2	247.7	29,600	75.7	245.8	30,000*	80
	90	70.3	245.1	23,400	71.8	244.3	24,300	73.3	242.4	25,200	90
	100	67.9	241.2	19,400	69.4	240.4	20,200	70.8	238.5	21,000	100
	110	65.4	236.8	16,200	66.9	236.0	16,900	68.3	234.0	17,600	110
	120	62.9	231.9	13,600	64.4	231.1	14,200	65.7	229.0	14,800	120
	130	60.3	226.4	11,400	61.8	225.6	11,900	63.1	223.5	12,500	130
	140	57.6	220.3	9,500	59.1	219.4	10,000	60.4	217.3	10,500	140
	150	54.9	213.5	7,900	56.3	212.7	8,400	57.6	210.4	8,800	150
	160	52.1	206.0	6,500	53.5	205.1	7,000	54.8	202.8	7,300	160
	170	49.1	197.7	5,300	50.5	196.8	5,700				170
230	180	46.0	188.5	4,300	47.4	187.5	4,600				180
	190	42.8	178.1	3,300	44.1	177.1	3,600				190
	50	80.1	266.2	30,000*	80.5	264.5	30,000*				50
	55	79.0	265.2	30,000*							55
	60	77.9	264.2	30,000*	79.4	263.4	30,000*	80.8	261.6	30,000*	60
	65	76.8	263.0	30,000*	78.3	262.3	30,000*	79.7	260.4	30,000*	65
	70	75.7	261.8	30,000*	77.1	261.0	30,000*	78.6	259.1	30,000*	70
	80	73.4	258.9	28,200	74.9	258.2	29,300	76.3	256.3	29,000*	80
	90	71.1	255.7	23,100	72.6	254.9	24,000	73.9	253.0	25,000	90
	100	68.8	252.0	19,100	70.2	251.2	19,900	71.6	249.2	20,700	100
240	110	66.4	247.8	15,900	67.8	247.0	16,600	69.2	245.0	17,300	110
	120	64.0	243.1	13,200	65.4	242.3	13,900	66.8	240.3	14,500	120
	130	61.5	237.9	11,100	63.0	237.0	11,600	64.3	235.0	12,200	130
	140	59.0	232.1	9,200	60.4	231.2	9,700	61.7	229.1	10,200	140
	150	56.4	225.7	7,600	57.8	224.8	8,100	59.1	222.6	8,500	150
	160	53.8	218.6	6,200	55.1	217.7	6,700	56.4	215.5	7,000	160
	170	51.0	210.8	5,000	52.4	209.9	5,400	53.6	207.5	5,700	170
	180	48.1	202.2	4,000	49.5	201.2	4,300				180
	190	45.1	192.6	3,000	46.4	191.6	3,300				190

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3900T SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 9A WITH OPEN THROAT TOP
74,000 LB. CRANE COUNTERWEIGHT
10,500 LB. FRONT BUMPER COUNTERWEIGHT
RATING OVER SIDE OR REAR ON EXTENDED OUTRIGGERS
85% TIPPING

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	
100	30	80.9	158.2	20,000*							30
	35	79.0	157.2	20,000*							35
	40	77.0	156.1	20,000*	80.2	155.4	20,000*				40
	45	75.1	154.8	20,000*	78.3	154.2	20,000*				45
	50	73.1	153.4	20,000*	76.3	152.7	20,000*	79.4	150.9	20,000*	50
	55	71.2	151.7	20,000*	74.3	151.0	20,000*	77.4	149.2	20,000*	55
	60	69.2	149.9	20,000*	72.3	149.2	20,000*	75.4	147.3	20,000*	60
	65	67.1	147.8	20,000*	70.3	147.1	20,000*	73.3	145.2	20,000*	65
	70	65.1	145.5	20,000*	68.2	144.8	20,000*	71.2	142.9	20,000*	70
	80	60.8	140.3	20,000*	63.9	139.6	20,000*	66.9	137.6	20,000*	80
	90	56.4	134.1	20,000*	59.5	133.3	20,000*	62.4	131.2	20,000*	90
	100	51.7	126.7	20,000*	54.8	125.9	20,000*	57.6	123.6	20,000*	100
	110	46.7	118.0	20,000*	49.7	117.0	20,000*	52.4	114.6	19,200*	110
110	120	41.3	107.4	18,800	44.2	106.4	19,100				120
	130	35.1	94.5	16,600							130
	35	79.7	167.4	20,000*							35
	40	77.9	166.4	20,000*	80.8	165.7	20,000*				40
	45	76.0	165.2	20,000*	79.0	164.5	20,000*				45
	50	74.2	163.8	20,000*	77.2	163.1	20,000*	80.1	161.2	20,000*	50
	55	72.4	162.3	20,000*	75.3	161.6	20,000*	78.3	159.7	20,000*	55
	60	70.5	160.5	20,000*	73.5	159.8	20,000*	76.4	157.9	20,000*	60
	65	68.6	158.6	20,000*	71.6	157.9	20,000*	74.4	156.0	20,000*	65
	70	66.7	156.5	20,000*	69.6	155.8	20,000*	72.5	153.8	20,000*	70
	80	62.8	151.7	20,000*	65.7	151.0	20,000*	68.5	148.9	20,000*	80
	90	58.7	146.0	20,000*	61.6	145.2	20,000*	64.4	143.1	20,000*	90
	100	54.5	139.3	20,000*	57.4	138.5	20,000*	60.0	136.3	20,000*	100
120	110	50.0	131.4	20,000*	52.8	130.5	20,000*	55.4	128.2	19,900*	110
	120	45.2	122.1	18,200	48.0	121.2	18,600				120
	130	39.9	111.1	16,100	42.7	110.0	16,400				130
	140	34.0	97.6	14,200							140
	35	80.3	177.6	20,000*							35
	40	78.6	176.6	20,000*							40
	45	76.9	175.5	20,000*	79.7	174.8	20,000*				45
	50	75.2	174.2	20,000*	78.0	173.5	20,000*	80.7	171.6	20,000*	50
	55	73.4	172.8	20,000*	76.2	172.0	20,000*	79.0	170.1	20,000*	55
	60	71.7	171.1	20,000*	74.5	170.4	20,000*	77.2	168.5	20,000*	60
	65	69.9	169.4	20,000*	72.7	168.6	20,000*	75.4	166.7	20,000*	65
	70	68.1	167.4	20,000*	70.9	166.7	20,000*	73.6	164.7	20,000*	70
	80	64.5	162.9	20,000*	67.2	162.2	20,000*	69.9	160.1	20,000*	80
130	90	60.7	157.6	20,000*	63.5	156.8	20,000*	66.1	154.7	20,000*	90
	100	56.8	151.5	20,000*	59.5	150.6	20,000*	62.1	148.4	20,000*	100
	110	52.7	144.3	20,000*	55.4	143.4	20,000*	57.9	141.1	20,000*	110
	120	48.4	136.0	17,800	51.1	135.0	18,200	53.5	132.5	18,600	120
	130	43.8	126.2	15,600	46.4	125.2	15,900				130
	140	38.7	114.6	13,700							140
	150	32.9	100.5	12,200							150
	35	80.8	187.7	20,000*							35
	40	79.2	186.8	20,000*							40
	45	77.6	185.8	20,000*	80.3	185.0	20,000*				45
	50	76.0	184.5	20,000*	78.6	183.8	20,000*				50
	55	74.4	183.2	20,000*	77.0	182.5	20,000*	79.6	180.5	20,000*	55
	60	72.7	181.7	20,000*	75.4	180.9	20,000*	77.9	179.0	20,000*	60
	65	71.1	180.0	20,000*	73.7	179.2	20,000*	76.3	177.3	20,000*	65
	70	69.4	178.2	20,000*	72.0	177.4	20,000*	74.6	175.4	20,000*	70
	80	66.0	174.0	20,000*	68.6	173.2	20,000*	71.1	171.1	20,000*	80
	90	62.5	169.1	20,000*	65.1	168.3	20,000*	67.5	166.1	20,000*	90
	100	58.9	163.3	20,000*	61.4	162.5	20,000*	63.9	160.3	20,000*	100
	110	55.1	156.7	19,800	57.7	155.9	20,000*	60.0	153.6	20,000*	110
	120	51.2	149.1	17,200	53.7	148.2	17,700	56.0	145.8	18,100	120
	130	47.0	140.3	15,000	49.5	139.4	15,400				130
	140	42.5	130.1	13,200	44.9	129.0	13,500				140
	150	37.6	118.0	11,600							150
	160	32.0	103.4	10,200							160

MANITOWOC ENGINEERING CO.

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JIB NO. 123 WITH 12'6" STRUT ON
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74,000 LB. CRANE COUNTERWEIGHT
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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	40	79.8	197.0	20,000*							40
	45	78.3	196.0	20,000*	80.8	195.3	20,000*				45
	50	76.7	194.9	20,000*	79.2	194.1	20,000*				50
	55	75.2	193.6	20,000*	77.7	192.8	20,000*	80.2	190.8	20,000*	55
	60	73.6	192.1	20,000*	76.1	191.4	20,000*	78.6	189.4	20,000*	60
	65	72.1	190.6	20,000*	74.6	189.8	20,000*	77.0	187.8	20,000*	65
	70	70.5	188.8	20,000*	73.0	188.1	20,000*	75.4	186.0	20,000*	70
	80	67.3	184.9	20,000*	69.8	184.1	20,000*	72.2	182.0	20,000*	80
	90	64.0	180.3	20,000*	66.5	179.5	20,000*	68.8	177.4	20,000*	90
	100	60.7	175.0	20,000*	63.1	174.1	20,000*	65.4	171.9	20,000*	100
	110	57.2	168.8	19,600	59.6	168.0	20,000*	61.8	165.7	20,000*	110
	120	53.5	161.8	16,900	55.9	160.9	17,400	58.1	158.5	17,900	120
	130	49.7	153.8	14,800	52.1	152.8	15,200	54.2	150.3	15,600	130
	140	45.7	144.6	12,900	48.0	143.6	13,300				140
	150	41.3	133.9	11,300	43.6	132.8	11,600				150
	160	36.5	121.3	10,000							160
150	40	80.3	207.2	20,000*							40
	45	78.8	206.2	20,000*							45
	50	77.4	205.1	20,000*	79.8	204.4	20,000*				50
	55	75.9	203.9	20,000*	78.3	203.2	20,000*	80.7	201.2	20,000*	55
	60	74.5	202.6	20,000*	76.9	201.8	20,000*	79.2	199.8	20,000*	60
	65	73.0	201.1	20,000*	75.4	200.3	20,000*	77.7	198.3	20,000*	65
	70	71.5	199.4	20,000*	73.9	198.7	20,000*	76.2	196.6	20,000*	70
	80	68.5	195.7	20,000*	70.8	194.9	20,000*	73.1	192.8	20,000*	80
	90	65.4	191.4	20,000*	67.7	190.6	20,000*	70.0	188.4	20,000*	90
	100	62.2	186.4	20,000*	64.6	185.6	20,000*	66.8	183.3	20,000*	100
	110	59.0	180.7	19,100	61.3	179.8	19,700	63.5	177.5	20,000*	110
	120	55.6	174.2	16,500	57.9	173.3	17,000	60.0	170.9	17,500	120
	130	52.1	166.8	14,300	54.4	165.8	14,800	56.4	163.3	15,200	130
	140	48.4	158.3	12,400	50.6	157.3	12,900	52.6	154.7	13,200	140
	150	44.5	148.7	10,900	46.7	147.6	11,200				150
	160	40.2	137.6	9,500	42.4	136.4	9,800				160
	170	35.6	124.5	8,300							170
160	40	80.7	217.3	20,000*							40
	45	79.4	216.4	20,000*							45
	50	78.0	215.4	20,000*	80.3	214.6	20,000*				50
	55	76.6	214.2	20,000*	78.9	213.5	20,000*				55
	60	75.2	212.9	20,000*	77.5	212.2	20,000*	79.7	210.1	20,000*	60
	65	73.8	211.5	20,000*	76.1	210.7	20,000*	78.3	208.7	20,000*	65
	70	72.4	210.0	20,000*	74.7	209.2	20,000*	76.9	207.1	20,000*	70
	80	69.6	206.4	20,000*	71.8	205.7	20,000*	74.0	203.5	20,000*	80
	90	66.6	202.4	20,000*	68.9	201.5	20,000*	71.0	199.4	20,000*	90
	100	63.7	197.7	20,000*	65.9	196.8	20,000*	68.0	194.6	20,000*	100
	110	60.6	192.3	18,600	62.8	191.4	19,300	64.9	189.1	19,900	110
	120	57.4	186.2	16,000	59.6	185.3	16,600	61.7	183.0	17,200	120
	130	54.2	179.3	13,800	56.3	178.4	14,300	58.3	175.9	14,800	130
	140	50.7	171.5	12,000	52.9	170.6	12,400	54.8	168.0	12,800	140
	150	47.2	162.7	10,400	49.3	161.7	10,800				150
	160	43.3	152.7	9,000	45.4	151.6	9,400				160
	170	39.2	141.1	7,800							170
	180	34.7	127.7	6,700							180

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3900T SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 9A WITH OPEN THROAT TOP
74,000 LB. CRANE COUNTERWEIGHT
10,500 LB. FRONT BUMPER COUNTERWEIGHT
RATING OVER SIDE OR REAR ON EXTENDED OUTRIGGERS
85% TIPPING

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	45	79.9	226.6	20,000*							45
	50	78.5	225.6	20,000*	80.7	224.8	20,000*				50
	55	77.2	224.5	20,000*	79.4	223.7	20,000*				55
	60	75.9	223.3	20,000*	78.1	222.5	20,000*	80.2	220.4	20,000*	60
	65	74.6	221.9	20,000*	76.7	221.1	20,000*	78.9	219.1	20,000*	65
	70	73.2	220.5	20,000*	75.4	219.7	20,000*	77.5	217.6	20,000*	70
	80	70.5	217.1	20,000*	72.7	216.3	20,000*	74.7	214.2	20,000*	80
	90	67.7	213.2	20,000*	69.9	212.4	20,000*	71.9	210.2	20,000*	90
	100	64.9	208.8	20,000*	67.1	207.9	20,000*	69.1	205.7	20,000*	100
	110	62.0	203.7	18,100	64.2	202.9	18,800	66.1	200.6	19,500	110
	120	59.1	198.0	15,500	61.2	197.1	16,100	63.1	194.8	16,700	120
	130	56.0	191.6	13,300	58.1	190.6	13,900	60.0	188.2	14,400	130
	140	52.8	184.3	11,500	54.9	183.4	11,900	56.8	180.8	12,400	140
	150	49.5	176.2	9,900	51.6	175.2	10,300	53.4	172.5	10,700	150
	160	46.0	167.0	8,500	48.0	165.9	8,900				160
180	170	42.3	156.6	7,300	44.3	155.4	7,600				170
	180	38.3	144.6	6,200							180
	190	33.9	130.7	5,300							190
	45	80.3	236.8	20,000*							45
	50	79.0	235.8	20,000*							50
	55	77.8	234.8	20,000*	79.9	234.0	20,000*				55
	60	76.5	233.6	20,000*	78.6	232.8	20,000*	80.6	230.7	20,000*	60
	65	75.2	232.3	20,000*	77.3	231.5	20,000*	79.4	229.4	20,000*	65
	70	74.0	230.9	20,000*	76.0	230.1	20,000*	78.1	228.0	20,000*	70
	80	71.4	227.7	20,000*	73.4	226.9	20,000*	75.4	224.8	20,000*	80
	90	68.8	224.0	20,000*	70.8	223.2	20,000*	72.8	221.0	20,000*	90
	100	66.1	219.8	20,000*	68.1	219.0	20,000*	70.1	216.7	20,000*	100
	110	63.3	215.0	17,800	65.4	214.1	18,600	67.3	211.9	19,300	110
	120	60.5	209.6	15,200	62.6	208.7	15,900	64.4	206.4	16,500	120
	130	57.7	203.5	13,000	59.7	202.6	13,600	61.5	200.2	14,100	130
	140	54.7	196.8	11,200	56.7	195.8	11,700	58.5	193.3	12,200	140
190	150	51.6	189.2	9,600	53.6	188.2	10,000	55.3	185.6	10,400	150
	160	48.4	180.7	8,200	50.3	179.7	8,600	52.0	176.9	9,000	160
	170	44.9	171.1	7,000	46.9	170.0	7,300				170
	180	41.3	160.3	5,900	43.2	159.2	6,200				180
	190	37.4	148.0	5,000							190
	200	33.1	133.7	4,100							200
	45	80.7	246.9	20,000*							45
	50	79.5	246.0	20,000*							50
	55	78.3	245.0	20,000*	80.3	244.2	20,000*				55
	60	77.1	243.9	20,000*	79.1	243.1	20,000*				60
	65	75.9	242.6	20,000*	77.9	241.8	20,000*	79.8	239.7	20,000*	65
	70	74.6	241.3	20,000*	76.6	240.5	20,000*	78.6	238.4	20,000*	70
	80	72.2	238.3	20,000*	74.2	237.4	20,000*	76.1	235.3	20,000*	80
	90	69.7	234.7	20,000*	71.6	233.9	20,000*	73.5	231.7	20,000*	90
	100	67.1	230.7	20,000*	69.1	229.9	20,000*	71.0	227.7	20,000*	100
	110	64.5	226.2	17,300	66.5	225.3	18,100	68.3	223.0	18,900	110
	120	61.9	221.0	14,700	63.8	220.2	15,400	65.6	217.8	16,100	120
	130	59.2	215.3	12,500	61.1	214.4	13,100	62.9	212.0	13,700	130
	140	56.3	208.9	10,700	58.3	208.0	11,200	60.0	205.5	11,700	140
	150	53.4	201.8	9,100	55.3	200.9	9,600	57.1	198.3	10,000	150
	160	50.4	193.9	7,700	52.3	192.9	8,100	54.0	190.2	8,500	160
	170	47.3	185.1	6,500	49.1	184.0	6,900				170
	180	44.0	175.2	5,400	45.8	174.1	5,800				180
	190	40.4	164.0	4,500	42.2	162.8	4,800				190
	200	36.6	151.3	3,600							200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3900T SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 9A WITH OPEN THROAT TOP
74,000 LB. CRANE COUNTERWEIGHT
10,500 LB. FRONT BUMPER COUNTERWEIGHT
RATING OVER SIDE OR REAR ON EXTENDED OUTRIGGERS
85% TIPPING

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	50	79.9	256.2	20,000*							50
	55	78.8	255.2	20,000*	80.7	254.4	20,000*				55
	60	77.6	254.1	20,000*	79.5	253.3	20,000*				60
	65	76.4	253.0	20,000*	78.4	252.2	20,000*	80.2	250.0	20,000*	65
	70	75.3	251.7	20,000*	77.2	250.9	20,000*	79.0	248.7	20,000*	70
	80	72.9	248.8	20,000*	74.8	247.9	20,000*	76.7	245.8	20,000*	80
	90	70.5	245.4	20,000*	72.4	244.6	20,000*	74.2	242.4	20,000*	90
	100	68.1	241.6	20,000*	70.0	240.7	20,000*	71.8	238.5	20,000*	100
	110	65.6	237.2	16,900	67.5	236.4	17,700	69.3	234.1	18,500	110
	120	63.1	232.4	14,300	64.9	231.5	15,000	66.7	229.2	15,700	120
	130	60.5	226.9	12,100	62.4	226.0	12,700	64.1	223.6	13,400	130
	140	57.9	220.9	10,200	59.7	220.0	10,800	61.4	217.5	11,400	140
	150	55.1	214.2	8,600	56.9	213.2	9,100	58.6	210.7	9,600	150
	160	52.3	206.8	7,200	54.1	205.8	7,700	55.7	203.1	8,100	160
	170	49.4	198.5	6,000	51.2	197.5	6,400	52.7	194.7	6,800	170
	180	46.3	189.4	4,900	48.1	188.3	5,300				180
	190	43.0	179.1	4,000	44.8	178.0	4,300				190
	200	39.6	167.6	3,100							200
210	50	80.3	266.3	20,000*							50
	55	79.2	265.4	20,000*							55
	60	78.1	264.4	20,000*	79.9	263.6	20,000*				60
	65	77.0	263.2	20,000*	78.8	262.4	20,000*	80.6	260.3	20,000*	65
	70	75.8	262.0	20,000*	77.7	261.2	20,000*	79.5	259.0	20,000*	70
	80	73.6	259.2	20,000*	75.4	258.4	20,000*	77.2	256.2	20,000*	80
	90	71.3	256.0	20,000*	73.1	255.2	20,000*	74.9	253.0	20,000*	90
	100	69.0	252.3	19,600	70.8	251.5	20,000*	72.5	249.2	20,000*	100
	110	66.6	248.2	16,400	68.4	247.3	17,300	70.1	245.0	18,200	110
	120	64.2	243.5	13,800	66.0	242.7	14,600	67.7	240.3	15,300	120
	130	61.7	238.4	11,600	63.5	237.5	12,300	65.2	235.1	13,000	130
	140	59.2	232.6	9,700	61.0	231.7	10,300	62.6	229.3	10,900	140
	150	56.6	226.3	8,100	58.4	225.4	8,700	60.0	222.9	9,200	150
	160	54.0	219.3	6,700	55.7	218.3	7,200	57.3	215.7	7,700	160
	170	51.2	211.6	5,500	52.9	210.6	6,000	54.5	207.9	6,400	170
	180	48.3	203.0	4,400	50.1	202.0	4,900				180
	190	45.3	193.6	3,500	47.0	192.5	3,900				190
	200				43.8	181.8	3,000				200
220	50	80.7	276.5	20,000*							50
	55	79.6	275.6	20,000*							55
	60	78.5	274.6	20,000*	80.3	273.8	20,000*				60
	65	77.5	273.5	20,000*	79.2	272.7	20,000*	81.0	270.5	20,000*	65
	70	76.4	272.3	20,000*	78.1	271.5	20,000*	79.9	269.3	20,000*	70
	80	74.2	269.6	20,000*	76.0	268.8	20,000*	77.7	266.6	20,000*	80
	90	72.0	266.6	20,000*	73.8	265.7	20,000*	75.5	263.5	20,000*	90
	100	69.8	263.0	19,300	71.5	262.2	20,000*	73.2	259.9	20,000*	100
	110	67.5	259.1	16,100	69.2	258.2	17,000	70.9	255.9	17,900	110
	120	65.2	254.6	13,400	66.9	253.8	14,300	68.6	251.4	15,100	120
	130	62.9	249.7	11,200	64.6	248.8	12,000	66.2	246.4	12,700	130
	140	60.5	244.2	9,400	62.2	243.3	10,000	63.8	240.9	10,700	140
	150	58.0	238.2	7,800	59.7	237.3	8,400	61.3	234.8	8,900	150
	160	55.5	231.6	6,400	57.2	230.6	6,900	58.7	228.1	7,400	160
	170	52.9	224.3	5,200	54.6	223.3	5,700	56.1	220.7	6,100	170
	180	50.2	216.3	4,100	51.9	215.3	4,600	53.3	212.5	5,000	180
	190	47.4	207.4	3,200	49.0	206.4	3,600				190

MANITOWOC ENGINEERING CO.

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



LIFT CRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3900T SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 9A WITH OPEN THROAT TOP
74,000 LB. CRANE COUNTERWEIGHT
10,500 LB. FRONT BUMPER COUNTERWEIGHT
RATING OVER SIDE OR REAR ON EXTENDED OUTRIGGERS
85% TIPPING

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	
100	35	79.4	167.4	10,000*							35
	40	77.6	166.4	10,000*							40
	45	75.8	165.2	10,000*	79.4	164.6	10,000*				45
	50	73.9	163.8	10,000*	77.5	163.2	10,000*				50
	55	72.1	162.3	10,000*	75.7	161.6	10,000*	79.2	159.7	10,000*	55
	60	70.2	160.6	10,000*	73.8	159.9	10,000*	77.3	158.0	10,000*	60
	65	68.3	158.6	10,000*	71.9	158.0	10,000*	75.4	156.0	10,000*	65
	70	66.4	156.5	10,000*	70.0	155.9	10,000*	73.4	153.9	10,000*	70
	80	62.5	151.7	10,000*	66.1	151.0	10,000*	69.5	149.0	10,000*	80
	90	58.5	146.0	10,000*	62.0	145.3	10,000*	65.3	143.2	10,000*	90
	100	54.2	139.3	10,000*	57.7	138.5	10,000*	61.0	136.3	10,000*	100
	110	49.7	131.4	10,000*	53.2	130.6	10,000*	56.4	128.2	10,000*	110
	120	44.9	122.2	10,000*	48.3	121.3	10,000*	51.4	118.7	10,000*	120
	130	39.6	111.1	10,000*	43.0	110.1	10,000*				130
	140	33.7	97.6	10,000*							140
110	35	80.0	177.6	10,000*							35
	40	78.3	176.6	10,000*							40
	45	76.6	175.5	10,000*	80.0	174.8	10,000*				45
	50	74.9	174.2	10,000*	78.3	173.5	10,000*				50
	55	73.2	172.8	10,000*	76.5	172.1	10,000*	79.9	170.1	10,000*	55
	60	71.4	171.2	10,000*	74.8	170.5	10,000*	78.1	168.5	10,000*	60
	65	69.7	169.4	10,000*	73.0	168.7	10,000*	76.3	166.7	10,000*	65
	70	67.9	167.4	10,000*	71.2	166.7	10,000*	74.5	164.7	10,000*	70
	80	64.2	162.9	10,000*	67.6	162.2	10,000*	70.8	160.1	10,000*	80
	90	60.5	157.7	10,000*	63.8	156.9	10,000*	67.0	154.7	10,000*	90
	100	56.6	151.5	10,000*	59.9	150.7	10,000*	63.0	148.5	10,000*	100
	110	52.5	144.3	10,000*	55.8	143.5	10,000*	58.8	141.1	10,000*	110
	120	48.2	136.0	10,000*	51.4	135.1	10,000*	54.3	132.6	10,000*	120
	130	43.5	126.2	10,000*	46.7	125.3	10,000*				130
	140	38.4	114.6	10,000*	41.6	113.6	10,000*				140
	150	32.7	100.5	10,000*							150
120	35	80.6	187.8	10,000*							35
	40	79.0	186.8	10,000*							40
	45	77.4	185.8	10,000*	80.6	185.1	10,000*				45
	50	75.7	184.6	10,000*	78.9	183.9	10,000*				50
	55	74.1	183.2	10,000*	77.3	182.5	10,000*	80.5	180.5	10,000*	55
	60	72.5	181.7	10,000*	75.7	181.0	10,000*	78.8	179.0	10,000*	60
	65	70.8	180.0	10,000*	74.0	179.3	10,000*	77.1	177.3	10,000*	65
	70	69.1	178.2	10,000*	72.3	177.5	10,000*	75.4	175.4	10,000*	70
	80	65.7	174.0	10,000*	68.9	173.3	10,000*	71.9	171.1	10,000*	80
	90	62.2	169.1	10,000*	65.4	168.3	10,000*	68.4	166.1	10,000*	90
	100	58.6	163.4	10,000*	61.7	162.6	10,000*	64.7	160.3	10,000*	100
	110	54.9	156.8	10,000*	58.0	155.9	10,000*	60.9	153.6	10,000*	110
	120	50.9	149.1	10,000*	54.0	148.3	10,000*	56.8	145.8	10,000*	120
	130	46.7	140.3	10,000*	49.8	139.4	10,000*	52.5	136.8	10,000*	130
	140	42.2	130.1	10,000*	45.3	129.1	10,000*				140
	150	37.3	118.0	10,000*							150
	160	31.8	103.4	10,000*							160

MANITOWOC ENGINEERING CO.

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LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3900T SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 9A WITH OPEN THROAT TOP
74,000 LB. CRANE COUNTERWEIGHT
10,500 LB. FRONT BUMPER COUNTERWEIGHT
RATING OVER SIDE OR REAR ON EXTENDED OUTRIGGERS
85% TIPPING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
130	40	79.5	197.0	10,000*							40
	45	78.0	196.0	10,000*							45
	50	76.5	194.9	10,000*	79.5	194.2	10,000*				50
	55	75.0	193.6	10,000*	78.0	192.9	10,000*	81.0	190.8	10,000*	55
	60	73.4	192.1	10,000*	76.4	191.4	10,000*	79.4	189.4	10,000*	60
	65	71.9	190.6	10,000*	74.9	189.9	10,000*	77.8	187.8	10,000*	65
	70	70.3	188.8	10,000*	73.3	188.1	10,000*	76.2	186.0	10,000*	70
	80	67.1	184.9	10,000*	70.1	184.2	10,000*	73.0	182.0	10,000*	80
	90	63.8	180.3	10,000*	66.8	179.5	10,000*	69.6	177.3	10,000*	90
	100	60.4	175.0	10,000*	63.4	174.2	10,000*	66.2	171.9	10,000*	100
	110	56.9	168.9	10,000*	59.9	168.0	10,000*	62.6	165.7	10,000*	110
	120	53.3	161.8	10,000*	56.2	161.0	10,000*	58.9	158.5	10,000*	120
	130	49.5	153.8	10,000*	52.4	152.9	10,000*	55.0	150.3	10,000*	130
	140	45.4	144.6	10,000*	48.3	143.6	10,000*	50.9	140.8	10,000*	140
	150	41.1	133.9	10,000*	43.9	132.9	10,000*				150
	160	36.3	121.3	10,000*							160
	170	30.9	106.2	9,100							170
140	40	80.1	207.2	10,000*							40
	45	78.6	206.2	10,000*							45
	50	77.2	205.1	10,000*	80.1	204.4	10,000*				50
	55	75.7	203.9	10,000*	78.6	203.2	10,000*				55
	60	74.3	202.6	10,000*	77.1	201.8	10,000*	79.9	199.7	10,000*	60
	65	72.8	201.1	10,000*	75.6	200.3	10,000*	78.5	198.2	10,000*	65
	70	71.3	199.4	10,000*	74.1	198.7	10,000*	76.9	196.6	10,000*	70
	80	68.3	195.7	10,000*	71.1	195.0	10,000*	73.9	192.8	10,000*	80
	90	65.2	191.4	10,000*	68.0	190.6	10,000*	70.7	188.4	10,000*	90
	100	62.0	186.4	10,000*	64.8	185.6	10,000*	67.5	183.3	10,000*	100
	110	58.8	180.7	10,000*	61.6	179.9	10,000*	64.2	177.5	10,000*	110
	120	55.4	174.2	10,000*	58.2	173.3	10,000*	60.8	170.9	10,000*	120
	130	51.9	166.8	10,000*	54.6	165.9	10,000*	57.2	163.3	10,000*	130
	140	48.2	158.3	10,000*	50.9	157.4	10,000*	53.4	154.7	10,000*	140
	150	44.2	148.7	10,000*	47.0	147.7	10,000*				150
	160	40.0	137.6	10,000*	42.7	136.5	10,000*				160
	170	35.4	124.6	8,800							170
150	40	80.5	217.3	10,000*							40
	45	79.2	216.4	10,000*							45
	50	77.8	215.4	10,000*	80.5	214.7	10,000*				50
	55	76.4	214.2	10,000*	79.1	213.5	10,000*				55
	60	75.0	212.9	10,000*	77.8	212.2	10,000*	80.4	210.1	10,000*	60
	65	73.6	211.5	10,000*	76.3	210.8	10,000*	79.0	208.6	10,000*	65
	70	72.2	210.0	10,000*	74.9	209.2	10,000*	77.6	207.1	10,000*	70
	80	69.3	206.5	10,000*	72.1	205.7	10,000*	74.7	203.5	10,000*	80
	90	66.4	202.4	10,000*	69.1	201.6	10,000*	71.7	199.3	10,000*	90
	100	63.4	197.7	10,000*	66.1	196.9	10,000*	68.7	194.6	10,000*	100
	110	60.4	192.3	10,000*	63.1	191.5	10,000*	65.6	189.1	10,000*	110
	120	57.2	186.2	10,000*	59.9	185.4	10,000*	62.4	182.9	10,000*	120
	130	54.0	179.3	10,000*	56.6	178.4	10,000*	59.0	175.9	10,000*	130
	140	50.5	171.5	10,000*	53.2	170.6	10,000*	55.5	167.9	10,000*	140
	150	46.9	162.7	10,000*	49.6	161.8	10,000*	51.9	158.9	10,000*	150
	160	43.1	152.7	9,500	45.7	151.6	9,900				160
	170	39.0	141.2	8,300	41.6	140.0	8,700				170
	180	34.5	127.7	7,300							180

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

3900T SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 9A WITH OPEN THROAT TOP
74,000 LB. CRANE COUNTERWEIGHT
10,500 LB. FRONT BUMPER COUNTERWEIGHT
RATING OVER SIDE OR REAR ON EXTENDED OUTRIGGERS
85% TIPPING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
160	40	81.0	227.5	10,000*							40
	45	79.7	226.6	10,000*							45
	50	78.3	225.6	10,000*	81.0	224.9	10,000*				50
	55	77.0	224.5	10,000*	79.6	223.8	10,000*				55
	60	75.7	223.3	10,000*				80.9	220.4	10,000*	60
	65	74.4	221.9	10,000*	77.0	221.2	10,000*	79.5	219.0	10,000*	65
	70	73.0	220.5	10,000*	75.6	219.7	10,000*	78.2	217.5	10,000*	70
	80	70.3	217.1	10,000*	72.9	216.4	10,000*	75.4	214.1	10,000*	80
	90	67.5	213.2	10,000*	70.1	212.5	10,000*	72.6	210.2	10,000*	90
	100	64.7	208.8	10,000*	67.3	208.0	10,000*	69.8	205.7	10,000*	100
	110	61.8	203.7	10,000*	64.4	202.9	10,000*	66.8	200.5	10,000*	110
	120	58.9	198.0	10,000*	61.4	197.2	10,000*	63.8	194.7	10,000*	120
	130	55.8	191.6	10,000*	58.3	190.7	10,000*	60.7	188.1	10,000*	130
	140	52.6	184.3	10,000*	55.2	183.4	10,000*	57.4	180.8	10,000*	140
	150	49.3	176.2	10,000*	51.8	175.2	10,000*	54.1	172.4	10,000*	150
	160	45.8	167.0	9,100	48.3	166.0	9,500				160
	170	42.1	156.6	7,900	44.5	155.5	8,200				170
	180	38.1	144.6	6,800	40.5	143.5	7,100				180
	190	33.7	130.7	5,900							190
170	45	80.1	236.8	10,000*							45
	50	78.9	235.8	10,000*							50
	55	77.6	234.8	10,000*	80.1	234.0	10,000*				55
	60	76.3	233.6	10,000*	78.8	232.8	10,000*				60
	65	75.1	232.3	10,000*	77.6	231.6	10,000*	80.0	229.3	10,000*	65
	70	73.8	230.9	10,000*	76.3	230.1	10,000*	78.7	227.9	10,000*	70
	80	71.2	227.7	10,000*	73.7	227.0	10,000*	76.1	224.7	10,000*	80
	90	68.6	224.0	10,000*	71.0	223.2	10,000*	73.4	221.0	10,000*	90
	100	65.9	219.8	10,000*	68.4	219.0	10,000*	70.7	216.7	10,000*	100
	110	63.2	215.0	10,000*	65.6	214.2	10,000*	67.9	211.8	10,000*	110
	120	60.4	209.6	10,000*	62.8	208.8	10,000*	65.1	206.3	10,000*	120
	130	57.5	203.6	10,000*	59.9	202.7	10,000*	62.2	200.1	10,000*	130
	140	54.5	196.8	10,000*	56.9	195.9	10,000*	59.1	193.2	10,000*	140
	150	51.4	189.2	9,900	53.8	188.3	10,000*	56.0	185.5	10,000*	150
	160	48.2	180.7	8,500	50.6	179.7	9,000	52.7	176.8	9,400	160
	170	44.8	171.1	7,300	47.1	170.1	7,700				170
	180	41.1	160.4	6,300	43.5	159.2	6,600				180
	190	37.2	148.0	5,300							190
	200	32.9	133.7	4,500							200
180	45	80.5	246.9	10,000*							45
	50	79.3	246.0	10,000*							50
	55	78.1	245.0	10,000*	80.5	244.2	10,000*				55
	60	76.9	243.9	10,000*	79.3	243.1	10,000*				60
	65	75.7	242.7	10,000*	78.1	241.9	10,000*	80.4	239.7	10,000*	65
	70	74.5	241.3	10,000*	76.9	240.5	10,000*	79.2	238.3	10,000*	70
	80	72.0	238.3	10,000*	74.4	237.5	10,000*	76.7	235.2	10,000*	80
	90	69.5	234.8	10,000*	71.9	234.0	10,000*	74.2	231.6	10,000*	90
	100	66.9	230.7	10,000*	69.3	229.9	10,000*	71.6	227.6	10,000*	100
	110	64.3	226.2	10,000*	66.7	225.4	10,000*	68.9	223.0	10,000*	110
	120	61.7	221.1	10,000*	64.0	220.2	10,000*	66.2	217.8	10,000*	120
	130	59.0	215.3	10,000*	61.3	214.5	10,000*	63.5	211.9	10,000*	130
	140	56.2	209.0	10,000*	58.5	208.1	10,000*	60.6	205.4	10,000*	140
	150	53.3	201.8	9,600	55.6	200.9	10,000*	57.7	198.2	10,000*	150
	160	50.3	193.9	8,200	52.5	193.0	8,700	54.6	190.1	9,200	160
	170	47.1	185.1	7,000	49.4	184.1	7,500	51.4	181.1	7,900	170
	180	43.8	175.2	6,000	46.0	174.1	6,400				180
	190	40.2	164.1	5,000	42.5	162.9	5,400				190
	200	36.4	151.3	4,200							200
	210	32.2	136.6	3,400							210

MANITOWOC ENGINEERING CO.

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LIFTCRANE JIB CAPACITIES

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REQUIREMENTS

3900T SERIES 2

JIB NO. 123 WITH 12'6" STRUT ON
BOOM NO. 9A WITH OPEN THROAT TOP
74,000 LB. CRANE COUNTERWEIGHT
10,500 LB. FRONT BUMPER COUNTERWEIGHT
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85% TIPPING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	0 DEGREE OFFSET			10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
190	45	80.9	257.0	10,000*							45
	50	79.7	256.2	10,000*							50
	55	78.6	255.2	10,000*	80.9	254.5	10,000*				55
	60	77.4	254.1	10,000*	79.7	253.4	10,000*				60
	65	76.3	253.0	10,000*	78.6	252.2	10,000*	80.8	249.9	10,000*	65
	70	75.1	251.7	10,000*	77.4	250.9	10,000*	79.6	248.6	10,000*	70
	80	72.7	248.8	10,000*	75.0	248.0	10,000*	77.3	245.7	10,000*	80
	90	70.3	245.4	10,000*	72.6	244.6	10,000*	74.8	242.3	10,000*	90
	100	67.9	241.6	10,000*	70.2	240.8	10,000*	72.4	238.4	10,000*	100
	110	65.4	237.2	10,000*	67.7	236.4	10,000*	69.9	234.0	10,000*	110
	120	62.9	232.4	10,000*	65.2	231.5	10,000*	67.3	229.1	10,000*	120
	130	60.3	226.9	10,000*	62.6	226.1	10,000*	64.7	223.5	10,000*	130
	140	57.7	220.9	10,000*	59.9	220.0	10,000*	62.0	217.4	10,000*	140
	150	54.9	214.2	9,100	57.2	213.3	9,700	59.2	210.6	10,000*	150
	160	52.1	206.8	7,700	54.3	205.8	8,300	56.3	203.0	8,800	160
	170	49.2	198.5	6,500	51.4	197.5	7,000	53.3	194.6	7,500	170
200	180	46.1	189.4	5,500	48.3	188.3	5,900				180
	190	42.9	179.2	4,500	45.0	178.1	4,900				190
	200	39.4	167.7	3,700	41.5	166.5	4,000				200
	50	80.1	266.3	10,000*							50
	55	79.0	265.4	10,000*							55
	60	77.9	264.4	10,000*	80.1	263.6	10,000*				60
	65	76.8	263.3	10,000*	79.0	262.5	10,000*				65
	70	75.7	262.0	10,000*	77.9	261.2	10,000*	80.1	258.9	10,000*	70
	80	73.4	259.2	10,000*	75.6	258.4	10,000*	77.8	256.1	10,000*	80
	90	71.1	256.0	10,000*	73.3	255.2	10,000*	75.4	252.9	10,000*	90
	100	68.8	252.3	10,000*	71.0	251.5	10,000*	73.1	249.1	10,000*	100
	110	66.4	248.2	10,000*	68.6	247.4	10,000*	70.7	244.9	10,000*	110
	120	64.0	243.6	10,000*	66.2	242.7	10,000*	68.2	240.2	10,000*	120
	130	61.6	238.4	10,000*	63.7	237.5	10,000*	65.8	235.0	10,000*	130
	140	59.0	232.7	10,000*	61.2	231.8	10,000*	63.2	229.2	10,000*	140
	150	56.5	226.3	8,600	58.6	225.4	9,300	60.6	222.7	9,900	150
	160	53.8	219.3	7,300	55.9	218.4	7,800	57.9	215.6	8,400	160
210	170	51.0	211.6	6,100	53.2	210.6	6,600	55.1	207.8	7,100	170
	180	48.2	203.1	5,000	50.3	202.0	5,500	52.1	199.0	5,900	180
	190	45.2	193.6	4,000	47.3	192.5	4,500				190
	200	42.0	183.0	3,200	44.1	181.9	3,600				200
	50	80.5	276.5	10,000*							50
	55	79.4	275.6	10,000*							55
	60	78.4	274.6	10,000*	80.5	273.8	10,000*				60
	65	77.3	273.5	10,000*	79.4	272.7	10,000*				65
	70	76.2	272.3	10,000*	78.3	271.5	10,000*	80.4	269.2	10,000*	70
	80	74.0	269.7	10,000*	76.2	268.9	10,000*	78.2	266.5	10,000*	80
	90	71.8	266.6	10,000*	74.0	265.8	10,000*	76.0	263.4	10,000*	90
	100	69.6	263.0	10,000*	71.7	262.2	10,000*	73.7	259.8	10,000*	100
	110	67.3	259.1	10,000*	69.4	258.2	10,000*	71.5	255.8	10,000*	110
	120	65.0	254.6	10,000*	67.1	253.8	10,000*	69.1	251.3	10,000*	120
	130	62.7	249.7	10,000*	64.8	248.8	10,000*	66.7	246.3	10,000*	130
	140	60.3	244.3	9,700	62.4	243.4	10,000*	64.3	240.8	10,000*	140
	150	57.8	238.2	8,100	59.9	237.3	8,800	61.8	234.7	9,500	150
	160	55.3	231.6	6,800	57.4	230.7	7,400	59.3	227.9	8,000	160
	170	52.7	224.3	5,600	54.8	223.4	6,100	56.6	220.5	6,600	170
	180	50.0	216.3	4,500	52.1	215.3	5,000	53.9	212.4	5,500	180
	190	47.2	207.5	3,500	49.2	206.4	4,000	51.0	203.3	4,400	190
	200				46.3	196.6	3,100				200