

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 3' HAMMERHEAD

TOP - DEEP SECTION

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. 6278-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. 49419, JIB ASSEMBLY NO. 43730, WIRE ROPE SPECIFICATION CHART NO. 6149 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
213'	---	213'	---
203'	40'	203'	30'
193'	60'	193'	50'
		183'	60'

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

30 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	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	
1 1 3	35	80.8	148.3	40,000*				35
	40	78.7	147.1	40,000*	80.9	146.0	40,000*	40
	45	76.7	145.7	40,000*	78.9	144.6	40,000*	45
	50	74.6	144.1	40,000*	76.8	143.0	40,000*	50
	55	72.5	142.3	40,000*	74.6	141.2	40,000*	55
	60	70.3	140.3	40,000*	72.5	139.1	38,300*	60
	65	68.1	138.0	40,000*	70.3	136.9	36,500*	65
	70	65.9	135.6	39,600	68.0	134.4	34,900*	70
	80	61.3	129.8	32,700	63.4	128.6	32,100*	80
	90	56.5	123.0	27,500	58.5	121.7	28,000	90
1 2 3	100	51.3	114.8	23,500	53.3	113.4	23,900	100
	110	45.7	104.8	20,300				110
	120	39.4	92.6	17,600				120
	40	79.5	157.4	40,000*				40
	45	77.6	156.1	40,000*	79.6	155.0	40,000*	45
	50	75.6	154.6	40,000*	77.7	153.5	40,000*	50
	55	73.6	152.9	40,000*	75.7	151.8	40,000*	55
	60	71.7	151.1	40,000*	73.7	149.9	39,400*	60
	65	69.6	149.0	40,000*	71.6	147.8	37,600*	65
	70	67.6	146.7	39,200	69.6	145.5	36,000*	70
	80	63.4	141.5	32,300	65.3	140.2	32,900	80
	90	59.0	135.2	27,100	60.9	134.0	27,600	90
	100	54.4	127.9	23,000	56.2	126.5	23,400	100
	110	49.4	119.1	19,800	51.2	117.6	20,100	110
	120	44.0	108.6	17,100				120

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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	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	
133	40	80.1	167.7	40,000*	80.3	165.3	40,000*	40
	45	78.3	166.4	40,000*	78.4	163.9	40,000*	45
	50	76.5	165.0	40,000*	76.6	162.3	40,000*	50
	55	74.7	163.5	40,000*	74.7	160.6	40,000*	55
	60	72.8	161.7	40,000*	72.8	158.6	38,600*	60
	65	71.0	159.8	40,000*	70.9	156.5	37,000*	65
	70	69.1	157.7	38,800	67.0	151.6	32,500	70
	80	65.2	152.9	31,900	63.0	145.9	27,200	80
	90	61.2	147.1	26,700	58.7	139.1	23,100	90
	100	56.9	140.4	22,600	54.2	131.1	19,700	100
143	110	52.5	132.5	19,400	52.4	135.6	16,600	110
	120	47.7	123.3	16,700				120
	130	42.5	112.2	14,500				130
153	40	80.7	177.9	40,000*	80.8	175.6	40,000*	40
	45	79.0	176.7	40,000*	79.1	174.3	40,000*	45
	50	77.3	175.4	40,000*	77.4	172.8	40,000*	50
	55	75.6	174.0	40,000*	75.7	171.2	40,000*	55
	60	73.9	172.3	40,000*	73.9	169.3	39,600*	60
	65	72.1	170.5	40,000*	72.1	167.4	38,000*	65
	70	70.3	168.6	38,400	68.5	162.8	32,100	70
	80	66.7	164.1	31,400	64.7	157.5	26,800	80
	90	63.0	158.8	26,200	60.8	151.2	22,600	90
	100	59.1	152.6	22,200	56.7	144.0	19,300	100
163	110	55.1	145.4	18,900	52.4	135.6	16,600	110
	120	50.8	137.1	16,200				120
	130	46.2	127.3	14,000				130
	140	41.1	115.7	12,100				140
173	45	79.6	187.0	40,000*	79.7	184.6	40,000*	45
	50	78.0	185.8	40,000*	78.1	183.2	40,000*	50
	55	76.4	184.4	40,000*	76.5	181.7	40,000*	55
	60	74.8	182.9	40,000*	74.8	180.0	40,000*	60
	65	73.1	181.2	40,000*	73.1	178.1	38,900*	65
	70	71.5	179.3	38,100	69.7	173.9	31,900	70
	80	68.1	175.1	31,200	66.2	168.9	26,600	80
	90	64.6	170.2	26,000	62.6	163.1	22,400	90
	100	61.0	164.4	21,900	58.9	156.4	19,100	100
	110	57.3	157.8	18,700	54.9	148.7	16,400	110
183	120	53.4	150.2	16,000	50.7	139.9	14,100	120
	130	49.2	141.4	13,800				130
	140	44.8	131.2	11,900				140
	150	39.9	119.2	10,200				150
193	45	80.2	197.2	40,000*	80.3	194.9	40,000*	45
	50	78.7	196.1	40,000*	78.8	193.6	40,000*	50
	55	77.1	194.8	40,000*	77.2	192.1	40,000*	55
	60	75.6	193.3	40,000*	75.6	190.5	40,000*	60
	65	74.0	191.7	40,000*	74.1	188.8	38,700	65
	70	72.5	190.0	37,700	70.9	184.8	31,600	70
	80	69.3	186.0	30,800	67.6	180.1	26,200	80
	90	66.0	181.4	25,600	64.2	174.7	22,000	90
	100	62.7	176.1	21,500	60.7	168.5	18,700	100
	110	59.2	169.9	18,200	57.1	161.5	16,000	110
203	120	55.6	162.9	15,600	53.2	153.3	13,600	120
	130	51.8	154.9	13,300				130
	140	47.8	145.6	11,400				140
	150	43.5	135.0	9,800				150

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		BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	CAPACITY POUNDS	
173	45	80.7	207.5	40,000*				45
	50	79.2	206.4	40,000*	80.8	205.2	40,000*	50
	55	77.8	205.1	40,000*	79.3	203.9	40,000*	55
	60	76.3	203.8	40,000*	77.9	202.5	40,000*	60
	65	74.9	202.2	40,000*	76.4	201.0	40,000*	65
	70	73.4	200.6	37,400	74.9	199.4	38,300	70
	80	70.4	196.9	30,400	71.9	195.6	31,200	80
	90	67.3	192.5	25,200	68.8	191.2	25,900	90
	100	64.2	187.5	21,100	65.6	186.2	21,700	100
	110	60.9	181.8	17,800	62.4	180.4	18,300	110
	120	57.6	175.2	15,100	59.0	173.8	15,600	120
	130	54.1	167.8	12,900	55.4	166.3	13,300	130
	140	50.4	159.4	11,000	51.7	157.8	11,300	140
	150	46.5	149.7	9,400				150
	160	42.3	138.6	7,900				160
183	50	79.7	216.6	40,000*				50
	55	78.4	215.4	40,000*	79.8	214.2	40,000*	55
	60	77.0	214.1	40,000*	78.4	212.9	40,000*	60
	65	75.6	212.7	40,000*	77.0	211.5	40,000*	65
	70	74.2	211.1	37,000	75.6	209.9	38,000	70
	80	71.3	207.6	30,000	72.8	206.3	30,800	80
	90	68.4	203.5	24,700	69.9	202.2	25,500	90
	100	65.5	198.7	20,700	66.9	197.4	21,300	100
	110	62.4	193.4	17,400	63.8	192.0	17,900	110
	120	59.3	187.3	14,700	60.6	185.8	15,100	120
	130	56.0	180.4	12,400	57.4	178.9	12,800	130
	140	52.6	172.6	10,500	53.9	171.0	10,900	140
	150	49.1	163.8	8,900	50.3	162.1	9,200	150
	160	45.3	153.7	7,400				160
	170	41.2	142.2	6,200				170
193	50	80.2	226.8	40,000*				50
	55	78.9	225.7	40,000*	80.3	224.5	40,000*	55
	60	77.6	224.5	40,000*	79.0	223.2	40,000*	60
	65	76.2	223.1	40,000*	77.6	221.9	40,000*	65
	70	74.9	221.6	36,700	76.3	220.4	37,800	70
	80	72.2	218.3	29,700	73.6	217.0	30,600	80
	90	69.5	214.4	24,500	70.8	213.0	25,200	90
	100	66.7	209.9	20,400	68.0	208.5	21,000	100
	110	63.8	204.8	17,100	65.1	203.4	17,700	110
	120	60.8	199.1	14,400	62.1	197.7	14,900	120
	130	57.8	192.6	12,200	59.1	191.1	12,600	130
	140	54.6	185.4	10,300	55.9	183.8	10,600	140
	150	51.3	177.2	8,600	52.5	175.6	8,900	150
	160	47.9	168.0	7,200				160
	170	44.2	157.6	6,000				170
	180	40.2	145.7	4,800				180
203	50	80.6	237.0	40,000*				50
	55	79.4	236.0	40,000*	80.7	234.7	40,000*	55
	60	78.1	234.8	40,000*	79.5	233.5	40,000*	60
	65	76.9	233.5	40,000*	78.2	232.2	40,000*	65
	70	75.6	232.1	36,300	76.9	230.8	37,400	70
	80	73.0	228.9	29,300	74.3	227.6	30,300	80
	90	70.4	225.1	24,100	71.7	223.8	24,900	90
	100	67.7	220.9	20,000	69.0	219.6	20,600	100
	110	65.0	216.1	16,700	66.3	214.7	17,300	110
	120	62.2	210.7	14,000	63.5	209.3	14,500	120
	130	59.4	204.6	11,700	60.6	203.1	12,200	130
	140	56.4	197.8	9,800	57.6	196.3	10,200	140
	150	53.3	190.2	8,200	54.5	188.6	8,500	150
	160	50.1	181.7	6,700	51.3	180.1	7,000	160
	170	46.7	172.2	5,500				170
	180	43.1	161.4	4,400				180
	190	39.2	149.1	3,400				190

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40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	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	
1 1 3	40	80.6	157.2	30,000*				40
	45	78.7	155.9	30,000*				45
	50	76.7	154.4	30,000*	79.4	152.9	30,000*	50
	55	74.8	152.7	30,000*	77.4	151.2	30,000*	55
	60	72.8	150.9	30,000*	75.4	149.3	30,000*	60
	65	70.8	148.8	30,000*	73.3	147.2	28,700*	65
	70	68.7	146.5	30,000*	71.3	144.9	27,500*	70
	80	64.5	141.3	30,000*	67.0	139.6	25,300*	80
	90	60.1	135.0	28,000	62.5	133.3	23,500*	90
	100	55.5	127.6	23,900	57.8	125.8	22,000*	100
	110	50.5	118.8	20,600	52.8	116.8	20,700*	110
	120	45.1	108.3	17,900				120
1 2 3	45	79.4	166.2	30,000*				45
	50	77.6	164.8	30,000*	80.0	163.3	30,000*	50
	55	75.7	163.3	30,000*	78.2	161.7	30,000*	55
	60	73.9	161.5	30,000*	76.3	159.9	30,000*	60
	65	72.0	159.6	30,000*	74.4	158.0	29,400*	65
	70	70.1	157.5	30,000*	72.5	155.9	28,200*	70
	80	66.2	152.6	30,000*	68.6	150.9	26,000*	80
	90	62.2	146.9	27,500	64.5	145.1	24,200*	90
	100	58.0	140.2	23,500	60.2	138.3	22,700*	100
	110	53.5	132.3	20,200	55.7	130.3	20,600	110
	120	48.7	123.0	17,500				120
	130	43.5	111.9	15,200				130
1 3 3	45	80.0	176.5	30,000*				45
	50	78.3	175.2	30,000*	80.6	173.6	30,000*	50
	55	76.6	173.7	30,000*	78.9	172.1	30,000*	55
	60	74.9	172.1	30,000*	77.2	170.5	30,000*	60
	65	73.1	170.3	30,000*	75.4	168.7	30,000*	65
	70	71.3	168.3	30,000*	73.6	166.7	28,900*	70
	80	67.7	163.8	30,000*	69.9	162.1	26,700*	80
	90	64.0	158.5	27,200	66.2	156.8	24,900*	90
	100	60.1	152.3	23,100	62.2	150.5	23,400*	100
	110	56.0	145.1	19,800	58.1	143.2	20,200	110
	120	51.7	136.8	17,100	53.7	134.7	17,500	120
	130	47.1	127.0	14,800				130
	140	42.1	115.4	12,900				140
1 4 3	45	80.6	186.8	30,000*				45
	50	79.0	185.5	30,000*				50
	55	77.4	184.2	30,000*	79.5	182.5	30,000*	55
	60	75.7	182.6	30,000*	77.9	181.0	30,000*	60
	65	74.1	180.9	30,000*	76.2	179.3	30,000*	65
	70	72.4	179.1	30,000*	74.6	177.4	29,500*	70
	80	69.0	174.9	30,000*	71.1	173.1	27,400*	80
	90	65.5	169.9	26,700	67.6	168.1	25,600*	90
	100	61.9	164.2	22,600	64.0	162.3	23,200	100
	110	58.2	157.6	19,300	60.2	155.6	19,800	110
	120	54.3	149.9	16,600	56.2	147.9	17,000	120
	130	50.1	141.1	14,300				130
	140	45.7	130.9	12,400				140
1 5 3	50	79.6	195.8	30,000*				50
	55	78.0	194.5	30,000*	80.1	192.9	30,000*	55
	60	76.5	193.1	30,000*	78.5	191.4	30,000*	60
	65	74.9	191.5	30,000*	77.0	189.8	30,000*	65
	70	73.4	189.7	30,000*	75.4	188.0	30,000*	70
	80	70.2	185.8	30,000*	72.2	184.0	28,000*	80
	90	66.9	181.1	26,500	68.9	179.4	26,200*	90
	100	63.6	175.8	22,400	65.5	173.9	23,000	100
	110	60.1	169.6	19,100	62.0	167.7	19,600	110
	120	56.5	162.6	16,400	58.3	160.6	16,900	120
	130	52.7	154.6	14,100	54.5	152.4	14,500	130
	140	48.6	145.3	12,200				140
	150	44.3	134.6	10,600				150

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10,500 LB. FRONT BUMPER COUNTERWEIGHT

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85% TIPPING

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	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	
1 6 3	50	80.1	206.1	30,000*				50
	55	78.6	204.9	30,000*	80.6	203.2	30,000*	55
	60	77.2	203.5	30,000*	79.1	201.8	30,000*	60
	65	75.7	202.0	30,000*	77.7	200.3	30,000*	65
	70	74.2	200.3	30,000*	76.2	198.6	30,000*	70
	80	71.2	196.6	30,000*	73.1	194.8	28,600*	80
	90	68.1	192.2	26,100	70.0	190.4	26,800*	90
	100	65.0	187.2	22,000	66.8	185.4	22,700	100
	110	61.8	181.5	18,700	63.6	179.6	19,200	110
	120	58.4	174.9	15,900	60.2	172.9	16,500	120
	130	54.9	167.5	13,700	56.6	165.4	14,100	130
	140	51.2	159.1	11,800	52.9	156.9	12,100	140
	150	47.3	149.4	10,100				150
	160	43.1	138.3	8,700				160
1 7 3	50	80.6	216.4	30,000*				50
	55	79.2	215.2	30,000*				55
	60	77.8	213.9	30,000*	79.7	212.2	30,000*	60
	65	76.4	212.4	30,000*	78.3	210.7	30,000*	65
	70	75.0	210.9	30,000*	76.8	209.1	30,000*	70
	80	72.1	207.3	30,000*	74.0	205.6	29,100*	80
	90	69.2	203.2	25,700	71.0	201.4	26,600	90
	100	66.3	198.5	21,600	68.0	196.6	22,300	100
	110	63.2	193.1	18,300	65.0	191.2	18,900	110
	120	60.1	187.0	15,500	61.8	185.0	16,100	120
	130	56.8	180.1	13,300	58.5	178.0	13,700	130
	140	53.4	172.3	11,300	55.0	170.1	11,800	140
	150	49.8	163.4	9,700				150
	160	46.0	153.4	8,300				160
	170	41.9	141.8	7,000				170
1 8 3	50	81.0	226.6	30,000*				50
	55	79.7	225.4	30,000*				55
	60	78.4	224.2	30,000*	80.1	222.5	30,000*	60
	65	77.0	222.8	30,000*	78.8	221.1	30,000*	65
	70	75.7	221.4	30,000*	77.5	219.6	30,000*	70
	80	73.0	218.0	30,000*	74.7	216.2	29,700*	80
	90	70.2	214.1	25,300	72.0	212.3	26,200	90
	100	67.4	209.6	21,100	69.1	207.7	21,900	100
	110	64.5	204.5	17,800	66.2	202.6	18,500	110
	120	61.6	198.8	15,100	63.2	196.8	15,700	120
	130	58.5	192.3	12,800	60.2	190.3	13,300	130
	140	55.4	185.0	10,900	56.9	182.9	11,300	140
	150	52.1	176.9	9,200	53.6	174.6	9,600	150
	160	48.6	167.7	7,800				160
	170	44.9	157.2	6,500				170
1 9 3	55	80.1	235.7	30,000*				55
	60	78.9	234.5	30,000*	80.6	232.8	30,000*	60
	65	77.6	233.2	30,000*	79.3	231.5	30,000*	65
	70	76.3	231.8	30,000*	78.0	230.0	30,000*	70
	80	73.7	228.6	30,000*	75.4	226.8	30,000*	80
	90	71.1	224.9	25,000	72.8	223.0	26,000	90
	100	68.5	220.6	20,900	70.1	218.7	21,700	100
	110	65.7	215.8	17,600	67.3	213.9	18,300	110
	120	62.9	210.4	14,800	64.5	208.4	15,400	120
	130	60.1	204.3	12,600	61.6	202.3	13,100	130
	140	57.1	197.5	10,600	58.6	195.4	11,100	140
	150	54.0	189.9	9,000	55.5	187.7	9,400	150
	160	50.8	181.4	7,500	52.2	179.1	7,900	160
	170	47.4	171.8	6,300				170
	180	43.8	161.0	5,100				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 3' HAMMERHEAD

TOP - DEEP SECTION

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	10 DEGREE OFFSET			20 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB ELEV. FEET	CAPACITY POUNDS	BOOM ANG. DEG.	JIB ELEV. FEET	CAPACITY POUNDS	
203	55	80.5	245.9	30,000*				55
	60	79.3	244.8	30,000*	81.0	243.0	30,000*	60
	65	78.1	243.5	30,000*	79.8	241.8	30,000*	65
	70	76.9	242.2	30,000*	78.5	240.4	30,000*	70
	80	74.4	239.1	30,000*	76.1	237.3	30,000*	80
	90	71.9	235.6	24,600	73.5	233.7	25,600	90
	100	69.4	231.5	20,500	71.0	229.7	21,300	100
	110	66.8	227.0	17,100	68.4	225.0	17,900	110
	120	64.2	221.8	14,400	65.7	219.9	15,100	120
	130	61.5	216.1	12,100	63.0	214.0	12,700	130
	140	58.7	209.7	10,200	60.1	207.6	10,700	140
	150	55.8	202.5	8,500	57.2	200.4	9,000	150
	160	52.8	194.6	7,100	54.2	192.3	7,500	160
	170	49.6	185.7	5,800				170
	180	46.3	175.8	4,700				180
	190	42.8	164.7	3,700				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 3' HAMMERHEAD

TOP - DEEP SECTION

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	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	
1 1 3	45	80.6	166.3	20,000*				45
	50	78.8	165.0	20,000*				50
	55	77.0	163.5	20,000*	80.0	161.6	20,000*	55
	60	75.1	161.7	20,000*	78.1	159.9	20,000*	60
	65	73.2	159.8	20,000*	76.2	158.0	20,000*	65
	70	71.3	157.8	20,000*	74.3	155.9	20,000*	70
	80	67.5	153.0	20,000*	70.4	151.0	20,000*	80
	90	63.4	147.3	20,000*	66.3	145.3	19,900*	90
	100	59.2	140.7	20,000*	62.0	138.6	18,500*	100
	110	54.8	132.9	20,000*	57.5	130.6	17,400*	110
1 2 3	120	50.0	123.7	18,300	52.7	121.3	16,400*	120
	130	44.9	112.8	16,000				130
	50	79.5	175.3	20,000*				50
	55	77.7	173.9	20,000*	80.6	172.0	20,000*	55
	60	76.0	172.3	20,000*	78.8	170.4	20,000*	60
	65	74.3	170.5	20,000*	77.1	168.6	20,000*	65
	70	72.5	168.6	20,000*	75.3	166.6	20,000*	70
	80	68.9	164.1	20,000*	71.6	162.1	20,000*	80
	90	65.2	158.9	20,000*	67.8	156.8	20,000*	90
	100	61.3	152.8	20,000*	63.9	150.6	19,100*	100
1 3 3	110	57.2	145.7	20,000*	59.8	143.4	17,900*	110
	120	53.0	137.4	17,900	55.5	135.0	16,900*	120
	130	48.4	127.8	15,600				130
	140	43.4	116.4	13,600				140
	50	80.1	185.6	20,000*				50
	55	78.4	184.3	20,000*				55
	60	76.8	182.8	20,000*	79.5	180.8	20,000*	60
	65	75.2	181.1	20,000*	77.8	179.2	20,000*	65
	70	73.5	179.3	20,000*	76.1	177.3	20,000*	70
	80	70.1	175.1	20,000*	72.7	173.1	20,000*	80
1 4 3	90	66.6	170.3	20,000*	69.2	168.2	20,000*	90
	100	63.1	164.6	20,000*	65.6	162.4	19,600*	100
	110	59.3	158.0	20,000*	61.8	155.8	18,500*	110
	120	55.4	150.5	17,500	57.8	148.1	17,500*	120
	130	51.3	141.8	15,200	53.6	139.2	15,600	130
	140	46.8	131.7	13,200				140
	150	42.0	119.8	11,600				150
	50	80.6	195.9	20,000*				50
	55	79.1	194.6	20,000*				55
	60	77.5	193.2	20,000*	80.1	191.2	20,000*	60
1 5 3	65	76.0	191.6	20,000*	78.5	189.6	20,000*	65
	70	74.4	189.9	20,000*	76.9	187.9	20,000*	70
	80	71.2	186.0	20,000*	73.7	184.0	20,000*	80
	90	68.0	181.4	20,000*	70.4	179.3	20,000*	90
	100	64.6	176.2	20,000*	67.0	174.0	20,000*	100
	110	61.1	170.1	19,700	63.5	167.8	19,000*	110
	120	57.5	163.1	17,000	59.8	160.7	17,600	120
	130	53.8	155.2	14,700	56.0	152.7	15,200	130
	140	49.7	146.0	12,800				140
	150	45.4	135.5	11,100				150
1 5 3	55	79.6	205.0	20,000*				55
	60	78.1	203.6	20,000*	80.6	201.6	20,000*	60
	65	76.7	202.1	20,000*	79.1	200.1	20,000*	65
	70	75.2	200.5	20,000*	77.6	198.4	20,000*	70
	80	72.2	196.8	20,000*	74.6	194.7	20,000*	80
	90	69.1	192.5	20,000*	71.5	190.4	20,000*	90
	100	66.0	187.5	20,000*	68.3	185.3	20,000*	100
	110	62.7	181.8	19,500	65.0	179.6	19,400*	110
	120	59.4	175.4	16,800	61.6	173.0	17,400	120
	130	55.9	168.0	14,500	58.0	165.6	15,000	130
1 5 3	140	52.2	159.7	12,600	54.3	157.1	13,000	140
	150	48.3	150.1	10,900				150
	160	44.1	139.1	9,400				160

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 3' HAMMERHEAD

TOP - DEEP SECTION

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	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	
163	55	80.1	215.2	20,000*				55
	60	78.7	214.0	20,000*				60
	65	77.3	212.5	20,000*	79.6	210.5	20,000*	65
	70	75.9	211.0	20,000*	78.2	208.9	20,000*	70
	80	73.1	207.5	20,000*	75.3	205.4	20,000*	80
	90	70.2	203.4	20,000*	72.4	201.3	20,000*	90
	100	67.2	198.8	20,000*	69.4	196.5	20,000*	100
	110	64.2	193.4	19,100	66.3	191.1	19,800	110
	120	61.0	187.4	16,400	63.1	185.0	17,000	120
	130	57.8	180.5	14,100	59.8	178.1	14,600	130
173	140	54.4	172.8	12,100	56.4	170.2	12,600	140
	150	50.8	164.1	10,400	52.8	161.3	10,900	150
	160	47.0	154.1	9,000				160
	170	43.0	142.7	7,700				170
183	55	80.6	225.5	20,000*				55
	60	79.2	224.3	20,000*				60
	65	77.9	222.9	20,000*	80.1	220.8	20,000*	65
	70	76.6	221.5	20,000*	78.8	219.4	20,000*	70
	80	73.9	218.1	20,000*	76.0	216.0	20,000*	80
	90	71.1	214.3	20,000*	73.3	212.1	20,000*	90
	100	68.3	209.8	20,000*	70.4	207.6	20,000*	100
	110	65.4	204.8	18,700	67.5	202.5	19,500	110
	120	62.5	199.1	16,000	64.5	196.8	16,600	120
	130	59.5	192.7	13,700	61.4	190.3	14,300	130
193	140	56.3	185.5	11,700	58.2	183.0	12,200	140
	150	53.0	177.4	10,000	54.9	174.8	10,500	150
	160	49.5	168.3	8,600				160
	170	45.8	158.0	7,300				170
183	55	81.0	235.7	20,000*				55
	60	79.7	234.6	20,000*				60
	65	78.4	233.3	20,000*	80.5	231.2	20,000*	65
	70	77.2	231.9	20,000*	79.3	229.7	20,000*	70
	80	74.6	228.7	20,000*	76.7	226.5	20,000*	80
	90	72.0	225.0	20,000*	74.0	222.8	20,000*	90
	100	69.3	220.8	20,000*	71.3	218.6	20,000*	100
	110	66.6	216.1	18,300	68.6	213.8	19,100	110
	120	63.8	210.7	15,500	65.8	208.3	16,300	120
	130	60.9	204.7	13,200	62.9	202.2	13,900	130
193	140	58.0	197.9	11,300	59.9	195.4	11,800	140
	150	54.9	190.4	9,600	56.7	187.8	10,100	150
	160	51.7	181.9	8,100	53.5	179.2	8,500	160
	170	48.3	172.5	6,800				170
	180	44.7	161.8	5,700				180
193	60	80.1	244.8	20,000*	81.0	241.5	20,000*	60
	65	78.9	243.6	20,000*				65
	70	77.7	242.3	20,000*	79.7	240.1	20,000*	70
	80	75.3	239.2	20,000*	77.2	237.1	20,000*	80
	90	72.8	235.7	20,000*	74.7	233.5	20,000*	90
	100	70.2	231.7	20,000*	72.2	229.5	20,000*	100
	110	67.6	227.2	18,000	69.5	224.9	18,900	110
	120	65.0	222.1	15,300	66.9	219.7	16,000	120
	130	62.3	216.4	13,000	64.1	214.0	13,600	130
	140	59.5	210.1	11,000	61.3	207.6	11,600	140
193	150	56.6	203.0	9,300	58.4	200.4	9,800	150
	160	53.6	195.1	7,900	55.4	192.4	8,300	160
	170	50.5	186.3	6,600				170
	180	47.2	176.5	5,400				180
	190	43.7	165.5	4,400				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 3' HAMMERHEAD

TOP - DEEP SECTION

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	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	
1 1 3	50	80.1	175.3	10,000*				50
	55	78.4	173.9	10,000*				55
	60	76.7	172.3	10,000*	80.1	170.2	10,000*	60
	65	74.9	170.5	10,000*	78.3	168.4	10,000*	65
	70	73.2	168.5	10,000*	76.5	166.5	10,000*	70
	80	69.6	164.1	10,000*	72.8	162.0	10,000*	80
	90	65.8	158.9	10,000*	69.1	156.7	10,000*	90
	100	62.0	152.7	10,000*	65.1	150.4	10,000*	100
	110	57.9	145.6	10,000*	61.0	143.2	10,000*	110
	120	53.6	137.4	10,000*	56.6	134.8	10,000*	120
1 2 3	130	49.0	127.7	10,000*				130
	140	44.0	116.3	10,000*				140
	50	80.7	185.6	10,000*				50
	55	79.1	184.2	10,000*				55
	60	77.4	182.7	10,000*	80.6	180.7	10,000*	60
	65	75.8	181.1	10,000*	79.0	179.0	10,000*	65
	70	74.1	179.2	10,000*	77.3	177.1	10,000*	70
	80	70.8	175.1	10,000*	73.9	172.9	10,000*	80
	90	67.3	170.2	10,000*	70.3	168.0	10,000*	90
	100	63.7	164.5	10,000*	66.7	162.2	10,000*	100
1 3 3	110	60.0	158.0	10,000*	62.9	155.6	10,000*	110
	120	56.1	150.4	10,000*	58.9	147.9	10,000*	120
	130	51.9	141.7	10,000*	54.7	139.0	10,000*	130
	140	47.5	131.6	10,000*				140
	150	42.6	119.7	10,000*				150
	55	79.7	194.6	10,000*				55
	60	78.1	193.2	10,000*				60
	65	76.6	191.6	10,000*	79.6	189.4	10,000*	65
	70	75.0	189.9	10,000*	78.0	187.7	10,000*	70
	80	71.8	186.0	10,000*	74.8	183.7	10,000*	80
1 4 3	90	68.6	181.4	10,000*	71.5	179.1	10,000*	90
	100	65.2	176.1	10,000*	68.1	173.7	10,000*	100
	110	61.7	170.0	10,000*	64.6	167.6	10,000*	110
	120	58.1	163.1	10,000*	60.9	160.5	10,000*	120
	130	54.4	155.1	10,000*	57.0	152.4	10,000*	130
	140	50.3	145.9	10,000*	52.9	143.1	10,000*	140
	150	46.0	135.4	10,000*				150
	55	80.2	204.9	10,000*				55
	60	78.7	203.5	10,000*				60
	65	77.3	202.1	10,000*	80.1	199.8	10,000*	65
1 5 3	70	75.8	200.4	10,000*	78.6	198.2	10,000*	70
	80	72.8	196.7	10,000*	75.6	194.5	10,000*	80
	90	69.7	192.4	10,000*	72.5	190.1	10,000*	90
	100	66.6	187.5	10,000*	69.3	185.1	10,000*	100
	110	63.3	181.8	10,000*	66.0	179.3	10,000*	110
	120	60.0	175.3	10,000*	62.6	172.7	10,000*	120
	130	56.5	168.0	10,000*	59.0	165.3	10,000*	130
	140	52.8	159.6	10,000*	55.3	156.7	10,000*	140
	150	48.9	150.0	10,000*				150
	160	44.7	139.0	9,900				160
1 5 3	55	80.7	215.2	10,000*				55
	60	79.3	213.9	10,000*				60
	65	77.9	212.5	10,000*	80.6	210.2	10,000*	65
	70	76.5	210.9	10,000*	79.2	208.7	10,000*	70
	80	73.6	207.4	10,000*	76.3	205.1	10,000*	80
	90	70.7	203.4	10,000*	73.4	201.0	10,000*	90
	100	67.8	198.7	10,000*	70.4	196.3	10,000*	100
	110	64.7	193.3	10,000*	67.3	190.8	10,000*	110
	120	61.6	187.3	10,000*	64.1	184.7	10,000*	120
	130	58.3	180.4	10,000*	60.8	177.8	10,000*	130
1 5 3	140	54.9	172.7	10,000*	57.4	169.9	10,000*	140
	150	51.4	164.0	10,000*	53.7	161.0	10,000*	150
	160	47.6	154.0	9,600				160
	170	43.5	142.6	8,300				170

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 3' HAMMERHEAD

TOP - DEEP SECTION
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	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	
1 6 3	60	79.8	224.2	10,000*				60
	65	78.4	222.9	10,000*				65
	70	77.1	221.4	10,000*	79.7	219.1	10,000*	70
	80	74.4	218.1	10,000*	77.0	215.7	10,000*	80
	90	71.6	214.2	10,000*	74.2	211.8	10,000*	90
	100	68.8	209.8	10,000*	71.3	207.3	10,000*	100
	110	66.0	204.7	10,000*	68.4	202.2	10,000*	110
	120	63.0	199.0	10,000*	65.4	196.4	10,000*	120
	130	60.0	192.6	10,000*	62.4	189.9	10,000*	130
	140	56.8	185.4	10,000*	59.1	182.6	10,000*	140
1 7 3	150	53.5	177.3	10,000*	55.8	174.4	10,000*	150
	160	50.0	168.2	9,200				160
	170	46.3	157.9	7,900				170
	180	42.4	146.1	6,800				180
	60	80.2	234.5	10,000*				60
	65	78.9	233.2	10,000*				65
	70	77.7	231.8	10,000*	80.2	229.4	10,000*	70
	80	75.1	228.6	10,000*	77.6	226.2	10,000*	80
	90	72.5	225.0	10,000*	74.9	222.5	10,000*	90
	100	69.8	220.7	10,000*	72.2	218.3	10,000*	100
1 8 3	110	67.1	216.0	10,000*	69.5	213.4	10,000*	110
	120	64.3	210.6	10,000*	66.6	208.0	10,000*	120
	130	61.4	204.6	10,000*	63.7	201.9	10,000*	130
	140	58.5	197.8	10,000*	60.7	195.0	10,000*	140
	150	55.4	190.3	10,000*	57.6	187.4	10,000*	150
	160	52.2	181.8	8,800	54.3	178.8	9,300	160
	170	48.8	172.4	7,500				170
	180	45.2	161.7	6,400				180
	60	80.6	244.7	10,000*				60
	65	79.4	243.5	10,000*				65
1 9 3	70	78.2	242.2	10,000*	80.6	239.8	10,000*	70
	80	75.7	239.1	10,000*	78.1	236.7	10,000*	80
	90	73.2	235.6	10,000*	75.6	233.2	10,000*	90
	100	70.7	231.6	10,000*	73.0	229.1	10,000*	100
	110	68.1	227.1	10,000*	70.4	224.5	10,000*	110
	120	65.5	222.0	10,000*	67.7	219.4	10,000*	120
	130	62.8	216.3	10,000*	65.0	213.6	10,000*	130
	140	60.0	210.0	10,000*	62.1	207.2	10,000*	140
	150	57.1	202.9	9,800	59.2	200.0	10,000*	150
	160	54.1	195.0	8,300	56.2	192.0	8,900	160
1 9 3	170	51.0	186.2	7,100	53.0	183.1	7,500	170
	180	47.7	176.4	5,900				180
	190	44.1	165.3	4,900				190
	65	79.8	253.8	10,000*				65
	70	78.7	252.5	10,000*	81.0	250.1	10,000*	70
	80	76.3	249.6	10,000*	78.6	247.2	10,000*	80
	90	73.9	246.3	10,000*	76.2	243.8	10,000*	90
	100	71.5	242.4	10,000*	73.7	239.9	10,000*	100
	110	69.0	238.1	10,000*	71.2	235.6	10,000*	110
	120	66.5	233.3	10,000*	68.7	230.6	10,000*	120
1 9 3	130	64.0	227.9	10,000*	66.1	225.2	10,000*	130
	140	61.3	221.9	10,000*	63.4	219.1	10,000*	140
	150	58.6	215.2	9,600	60.7	212.3	10,000*	150
	160	55.8	207.8	8,100	57.8	204.8	8,600	160
	170	52.9	199.6	6,800	54.8	196.5	7,300	170
	180	49.8	190.5	5,600				180
	190	46.6	180.4	4,600				190
	200	43.1	168.9	3,700				200