

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 7701-A. CAPACITIES FOR VARIOUS BOOM LENGTHS, JIB LENGTHS AND JIB OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD FOR BOOM AND JIB LENGTH COMBINATIONS THRU 250' AND NEW YORK CITY CRITERIA OF 1.4 FACTOR APPLIED TO TOTAL MACHINE MOMENT FOR BOOM AND JIB LENGTH COMBINATIONS 260' ON UP. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*). CAPACITIES INDICATED BY (b) REQUIRE 4,425 LB. MINIMUM BLOCK WEIGHT WITH 4 PART HOIST LINE REEVING ON 40' JIB AND 3 PART ON 60' JIB.

250' THRU 300' BOOM LENGTHS REQUIRE ONLY THE MIDDLE 3 SHEAVES TO BE USED ON LOWER BOOM POINT. ALL OTHER SHEAVES MUST BE REMOVED FROM LOWER BOOM POINT.

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

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH GANTRY UP. REFER TO BOOM RIGGING NO. 172610, JIB ASSEMBLY NO. 170429, NO. 173165 OR NO. 172693, WIRE ROPE SPECIFICATION CHART NO. 7581-A AND COUNTERWEIGHT ARRANGEMENT CHART NO. 7692-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, TRAVEL, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

MACHINE MAY BE OPERATED WITHIN WIND LIMITS SHOWN IN TABLE PROVIDED CRANE OPERATOR JUDGMENT IS USED TO ALLOW FOR WIND EFFECT ON LIFTED LOAD AND OTHER CONSIDERATIONS NOTED ON CAPACITY CHART ARE FOLLOWED. WIND WILL HAVE A CONSIDERABLE EFFECT ON A LOAD WITH A LARGE 'SAIL AREA' AND MUST BE COMPENSATED FOR ACCORDINGLY BY REDUCING LOAD RATINGS, REDUCING OPERATING SPEEDS OR BY A COMBINATION OF BOTH. RECOMMEND STOPPING OPERATION AND LOWERING BOOM AND JIB TO APPROXIMATELY 70 DEGREE BOOM ANGLE WHEN WIND EXCEEDS THOSE SHOWN IN TABLE TO PREVENT JIB BEING BLOWN OVER BACKWARDS. LOWER BOOM AND JIB TO GROUND WHEN WIND IS ABOVE 50 MPH.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE AND BOOM WITHIN BOOM ANGLE RANGE SHOWN IN CAPACITY CHART.

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

MACHINE EQUIPPED WITH 30'9" CRAWLERS, 48" TREADS, 28' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-1/2" BOOM PENDANTS, AND 167,000 LB. COUNTERWEIGHT.

MAXIMUM CAPACITY ON 1-1/8" - 6 X 31 EIPS, IWRC IS 30,000 LBS. PER LINE.

WIND LIMITS DURING OPERATION		
MAXIMUM WIND VELOCITY	BOOM LENGTH	JIB LENGTH
MPH	FEET	FEET
30	70 - 200	---
25	210 - 240	---
20	250 - 300	---
25	130 - 210	40 - 80
20	220 - 250	40 - 80
15	260	40 - 60
25	130 - 200	100 - 120
20	210 - 230	100 - 120
20	240	100

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED					
OVER FRONT OF BLOCKED CRAWLERS		OVER REAR OF BLOCKED CRAWLERS		OVER SIDE OF CRAWLERS	
BOOM LGTH.	JIB NO. 132	BOOM LGTH.	JIB NO. 132	BOOM LGTH.	JIB NO. 132
(a) 300'	---	(a) 290'	---	260'	---
290'	---	280'	---	250'	---
280'	---	270'	---	240'	---
270'	---	260'	40'	230'	60'
260'	60'	250'	60'	220'	80'
250'	80'	240'	80'	210'	120'
240'	100'	230'	100'		
230'	120'	220'	120'		
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 300' BOOM AND CANNOT BE LIFTED OVER REAR OF BLOCKED CRAWLERS ON 290' BOOM.					

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40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
130	40	80.5	176.9	100,000*b							40
	45	78.8	175.8	94,200*b							45
	50	77.0	174.6	89,800*b	79.4	173.5	73,900*b				50
	55	75.3	173.2	85,900*b	77.7	172.1	71,500*b	80.1	169.7	57,400*	55
	60	73.6	171.6	82,300*b	75.9	170.6	69,300*b	78.3	168.1	55,500*	60
	65	71.8	169.9	79,100*b	74.2	168.8	67,200*	76.5	166.3	53,600*	65
	70	70.0	168.0	76,100*b	72.4	166.9	65,300*	74.7	164.4	51,900*	70
	75	68.2	165.9	73,400*b	70.6	164.8	63,600*	72.9	162.3	50,300*	75
	80	66.4	163.7	71,000*b	68.7	162.5	61,900*	71.0	160.0	48,800*	80
	85	64.5	161.2	68,700*b	66.9	160.1	60,400*	69.1	157.4	47,400*	85
	90	62.7	158.6	64,200	65.0	157.4	59,000*	67.2	154.7	46,100*	90
	95	60.7	155.7	59,300	63.0	154.5	57,800*	65.2	151.7	45,000*	95
	100	58.8	152.6	55,100	61.0	151.3	56,000	63.2	148.5	43,900*	100
	105	56.8	149.2	51,200	59.0	147.9	52,100	61.1	145.1	42,900*	105
	110	54.7	145.6	47,800	56.9	144.3	48,600	59.0	141.3	41,900*	110
	115	52.6	141.7	44,700	54.8	140.3	45,400	56.8	137.3	41,100*	115
140	40	81.0	187.0	99,900*b							40
	45	79.4	186.0	95,900*b							45
	50	77.8	184.9	91,600*b	80.0	183.8	74,800*b				50
	55	76.1	183.6	87,700*b	78.4	182.5	72,400*b	80.7	180.0	57,800*	55
	60	74.5	182.1	84,200*b	76.8	181.0	70,300*b	79.0	178.5	56,200*	60
	65	72.8	180.5	81,000*b	75.1	179.4	68,200*b	77.3	176.9	54,400*	65
	70	71.2	178.7	78,000*b	73.4	177.6	66,400*	75.6	175.1	52,700*	70
	75	69.5	176.8	75,300*b	71.7	175.7	64,700*	73.9	173.1	51,100*	75
	80	67.8	174.7	72,800*b	70.0	173.5	63,000*	72.2	170.9	49,700*	80
	85	66.1	172.4	68,900b	68.2	171.2	61,500*	70.4	168.6	48,300*	85
	90	64.3	169.9	63,400b	66.5	168.7	60,200*	68.6	166.0	47,100*	90
	95	62.5	167.2	58,600	64.7	166.0	58,900*	66.8	163.3	45,900*	95
	100	60.7	164.3	54,300	62.9	163.1	55,300	64.9	160.3	44,800*	100
	105	58.8	161.2	50,500	61.0	160.0	51,400	63.0	157.1	43,800*	105
	110	57.0	157.9	47,000	59.1	156.6	47,900	61.1	153.7	42,800*	110
	115	55.0	154.3	43,900	57.1	153.0	44,700	59.1	150.0	42,000*	115
150	40	81.0	187.0	99,900*b							40
	45	79.4	186.0	95,900*b							45
	50	77.8	184.9	91,600*b	80.0	183.8	74,800*b				50
	55	76.1	183.6	87,700*b	78.4	182.5	72,400*b	80.7	180.0	57,800*	55
	60	74.5	182.1	84,200*b	76.8	181.0	70,300*b	79.0	178.5	56,200*	60
	65	72.8	180.5	81,000*b	75.1	179.4	68,200*b	77.3	176.9	54,400*	65
	70	71.2	178.7	78,000*b	73.4	177.6	66,400*	75.6	175.1	52,700*	70
	75	69.5	176.8	75,300*b	71.7	175.7	64,700*	73.9	173.1	51,100*	75
	80	67.8	174.7	72,800*b	70.0	173.5	63,000*	72.2	170.9	49,700*	80
	85	66.1	172.4	68,900b	68.2	171.2	61,500*	70.4	168.6	48,300*	85
	90	64.3	169.9	63,400b	66.5	168.7	60,200*	68.6	166.0	47,100*	90
	95	62.5	167.2	58,600	64.7	166.0	58,900*	66.8	163.3	45,900*	95
	100	60.7	164.3	54,300	62.9	163.1	55,300	64.9	160.3	44,800*	100
	105	58.8	161.2	50,500	61.0	160.0	51,400	63.0	157.1	43,800*	105
	110	57.0	157.9	47,000	59.1	156.6	47,900	61.1	153.7	42,800*	110
	115	55.0	154.3	43,900	57.1	153.0	44,700	59.1	150.0	42,000*	115

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BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
160	45	80.4	206.4	99,000*b							45
	50	79.0	205.4	94,800*b							50
	55	77.5	204.2	91,000*b	79.6	203.1	74,100*b				55
	60	76.1	202.9	87,600*b	78.1	201.8	72,000*b	80.2	199.3	57,400*	60
	65	74.6	201.5	84,400*b	76.6	200.4	70,100*b	78.7	197.8	55,800*	65
	70	73.1	199.9	81,400*b	75.1	198.8	68,300*b	77.1	196.2	54,200*	70
	75	71.6	198.2	78,700*b	73.6	197.0	66,600*	75.6	194.4	52,700*	75
	80	70.1	196.3	73,800b	72.1	195.2	65,000*	74.1	192.5	51,300*	80
	85	68.6	194.3	67,500b	70.6	193.1	63,600*	72.5	190.4	50,000*	85
	90	67.0	192.1	62,000b	69.0	190.9	62,200*	70.9	188.2	48,700*	90
	95	65.5	189.7	57,200b	67.4	188.5	58,500	69.3	185.8	47,600*	95
	100	63.9	187.2	52,900b	65.8	186.0	54,100	67.7	183.2	46,500*	100
	105	62.3	184.5	49,100	64.2	183.3	50,200	66.1	180.5	45,500*	105
	110	60.6	181.6	45,600	62.6	180.4	46,700	64.4	177.5	44,500*	110
	115	59.0	178.6	42,500	60.9	177.3	43,500	62.7	174.4	43,600*	115
	120	57.3	175.3	39,700	59.2	174.0	40,600	60.9	171.0	41,400	120
	130	53.8	168.0	34,800	55.6	166.7	35,500	57.3	163.6	36,200	130
	140	50.1	159.8	30,600	51.9	158.4	31,200	53.6	155.1	31,800	140
	150	46.2	150.4	27,000	48.0	148.8	27,500	49.5	145.3	28,000	150
	160	42.0	139.5	23,900	43.8	137.9	24,400	45.2	134.0	24,700	160
170	170	37.4	126.9	21,200	39.1	125.0	21,600				170
	180	32.3	111.7	18,800	33.9	109.6	19,100				180
	190	26.2	92.8	16,600							190
	45	80.9	216.6	99,900*b							45
	50	79.5	215.6	96,300*b							50
	55	78.1	214.5	92,500*b	80.1	213.4	74,800*b				55
	60	76.8	213.3	89,100*b	78.7	212.2	72,800*b	80.7	209.6	57,700*	60
	65	75.4	211.9	86,000*b	77.3	210.8	70,900*b	79.2	208.2	56,400*	65
	70	73.9	210.4	83,000*b	75.9	209.3	69,100*b	77.8	206.7	54,900*	70
	75	72.5	208.8	80,300*b	74.4	207.6	67,500*	76.3	205.0	53,400*	75
	80	71.1	207.0	73,500b	73.0	205.8	65,900*	74.9	203.2	52,000*	80
	85	69.6	205.1	67,200b	71.5	203.9	64,500*	73.4	201.2	50,700*	85
	90	68.2	203.0	61,700b	70.1	201.8	63,100*	71.9	199.1	49,500*	90
	95	66.7	200.8	56,900b	68.6	199.6	58,200	70.4	196.9	48,300*	95
	100	65.2	198.4	52,600b	67.1	197.2	53,800	68.9	194.4	47,300*	100
	105	63.7	195.9	48,800b	65.6	194.7	49,900	67.3	191.8	46,300*	105
	110	62.2	193.2	45,300	64.0	191.9	46,400	65.8	189.1	45,300*	110
	115	60.6	190.3	42,200	62.4	189.0	43,200	64.2	186.1	44,100	115
	120	59.0	187.2	39,400	60.8	185.9	40,300	62.5	183.0	41,100	120
	130	55.8	180.5	34,400	57.6	179.1	35,200	59.2	176.1	36,000	130
	140	52.4	172.9	30,300	54.1	171.5	30,900	55.7	168.2	31,600	140
	150	48.8	164.2	26,700	50.5	162.8	27,300	52.0	159.4	27,800	150
	160	45.0	154.4	23,600	46.7	152.8	24,100	48.1	149.2	24,500	160
180	170	40.9	143.2	20,900	42.6	141.5	21,300	43.9	137.5	21,600	170
	180	36.5	130.1	18,500	38.1	128.2	18,800				180
	190	31.5	114.4	16,300	33.0	112.3	16,600				190
	200	25.6	95.0	14,400							200
	50	80.0	225.8	97,700*b							50
	55	78.7	224.8	94,000*b	80.5	223.6	75,500*b				55
	60	77.4	223.6	90,600*b	79.2	222.5	73,600*b				60
	65	76.0	222.3	87,500*b	77.9	221.2	71,700*b	79.7	218.6	57,000*	65
	70	74.7	220.9	84,600*b	76.5	219.7	70,000*b	78.4	217.1	55,500*	70
	75	73.3	219.3	80,100b	75.2	218.2	68,300*b	77.0	215.5	54,000*	75
	80	72.0	217.6	72,800b	73.8	216.5	66,800*	75.6	213.8	52,700*	80
	85	70.6	215.8	66,500b	72.4	214.6	65,300*	74.2	211.9	51,400*	85
	90	69.2	213.8	61,000b	71.0	212.7	62,500	72.8	209.9	50,200*	90
	95	67.8	211.7	56,200b	69.6	210.5	57,600	71.4	207.8	49,100*	95
	100	66.4	209.5	51,900b	68.2	208.3	53,200	69.9	205.5	48,000*	100
	105	65.0	207.1	48,000b	66.8	205.9	49,200	68.5	203.1	47,000*	105
	110	63.5	204.6	44,600b	65.3	203.3	45,700	67.0	200.5	46,000*	110
	115	62.1	201.8	41,500	63.8	200.6	42,500	65.5	197.7	43,500	115
	120	60.6	199.0	38,600	62.3	197.7	39,600	64.0	194.7	40,500	120
	130	57.5	192.6	33,700	59.3	191.3	34,600	60.9	188.3	35,300	130
	140	54.4	185.5	29,500	56.1	184.2	30,300	57.6	181.0	30,900	140
	150	51.1	177.6	25,900	52.7	176.1	26,600	54.2	172.8	27,200	150
	160	47.6	168.6	22,800	49.2	167.0	23,400	50.6	163.5	23,900	160
	170	43.9	158.4	20,100	45.5	156.7	20,600	46.8	153.0	21,000	170
	180	39.9	146.7	17,700	41.5	144.9	18,100				180
	190	35.6	133.2	15,600	37.1	131.2	15,900				190
	200	30.7	117.1	13,700	32.1	114.8	13,900				200

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		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
190	50	80.4	236.0	99,000*b							50
	55	79.2	235.0	95,300*b	81.0	233.9	76,200*b				55
	60	77.9	233.9	92,000*b	79.7	232.7	74,200*b				60
	65	76.6	232.6	88,900*b	78.4	231.5	72,400*b	80.2	228.9	57,400*	65
	70	75.4	231.3	86,000*b	77.1	230.1	70,700*b	78.9	227.5	56,100*	70
	75	74.1	229.8	79,500b	75.8	228.6	69,100*b	77.6	226.0	54,600*	75
	80	72.8	228.2	72,200b	74.5	227.0	67,600*	76.3	224.3	53,300*	80
	85	71.5	226.5	65,900b	73.2	225.3	66,200*	74.9	222.6	52,000*	85
	90	70.2	224.6	60,400b	71.9	223.4	62,000	73.6	220.7	50,900*	90
	95	68.8	222.6	55,600b	70.6	221.4	57,000	72.2	218.7	49,700*	95
	100	67.5	220.5	51,300b	69.2	219.3	52,600	70.9	216.5	48,700*	100
	105	66.1	218.2	47,400b	67.8	217.0	48,700	69.5	214.2	47,700*	105
	110	64.8	215.8	44,000b	66.5	214.5	45,100	68.1	211.7	46,300	110
	115	63.4	213.2	40,800b	65.1	212.0	41,900	66.7	209.1	43,000	115
	120	62.0	210.5	38,000	63.7	209.2	39,000	65.2	206.3	40,000	120
	130	59.1	204.6	33,100	60.8	203.2	34,000	62.3	200.2	34,800	130
	140	56.1	197.9	28,900	57.8	196.5	29,700	59.3	193.4	30,400	140
	150	53.1	190.5	25,300	54.7	189.0	26,000	56.1	185.8	26,600	150
	160	49.8	182.1	22,200	51.4	180.6	22,800	52.8	177.2	23,300	160
	170	46.5	172.8	19,500	48.0	171.2	20,000	49.3	167.6	20,400	170
	180	42.9	162.2	17,100	44.4	160.5	17,500	45.6	156.7	17,900	180
	190	39.0	150.2	14,900	40.5	148.3	15,300				190
	200	34.8	136.2	13,000	36.2	134.2	13,300				200
	210	30.0	119.7	11,300	31.3	117.3	11,500				210
200	50	80.8	246.2	99,900*b							50
	55	79.6	245.2	96,600*b							55
	60	78.4	244.2	93,300*b	80.1	243.0	74,900*b				60
	65	77.2	243.0	90,200*b	78.9	241.8	73,100*b	80.6	239.2	57,700*	65
	70	76.0	241.7	87,400*b	77.7	240.5	71,400*b	79.4	237.8	56,600*	70
	75	74.8	240.2	78,800b	76.4	239.1	69,800*b	78.1	236.4	55,200*	75
	80	73.5	238.7	71,500b	75.2	237.5	68,300*b	76.9	234.8	53,900*	80
	85	72.3	237.1	65,200b	73.9	235.9	66,900*	75.6	233.2	52,700*	85
	90	71.0	235.3	59,700b	72.7	234.1	61,300	74.3	231.4	51,500*	90
	95	69.8	233.4	54,800b	71.4	232.2	56,400	73.0	229.4	50,400*	95
	100	68.5	231.4	50,500b	70.1	230.1	52,000	71.7	227.4	49,300*	100
	105	67.2	229.2	46,700b	68.8	228.0	48,000	70.4	225.2	48,300*	105
	110	65.9	226.9	43,200b	67.5	225.6	44,500	69.1	222.8	45,700	110
	115	64.6	224.5	40,100b	66.2	223.2	41,300	67.8	220.3	42,400	115
	120	63.2	221.9	37,300	64.9	220.6	38,400	66.4	217.7	39,400	120
	130	60.5	216.3	32,300	62.1	215.0	33,300	63.6	212.0	34,200	130
	140	57.7	210.0	28,100	59.3	208.7	29,000	60.8	205.6	29,800	140
	150	54.8	203.0	24,500	56.4	201.6	25,300	57.8	198.4	26,000	150
	160	51.8	195.3	21,400	53.4	193.8	22,100	54.8	190.5	22,700	160
	170	48.7	186.6	18,700	50.2	185.1	19,300	51.5	181.6	19,800	170
	180	45.4	176.9	16,300	46.9	175.3	16,800	48.1	171.6	17,200	180
	190	41.9	166.0	14,200	43.4	164.2	14,600	44.5	160.3	15,000	190
	200	38.1	153.6	12,300	39.5	151.7	12,600				200
	210	34.0	139.2	10,500	35.3	137.1	10,800				210
	220	29.3	122.2	9,000							220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
210	55	80.1	255.4	90,000*b							55
	60	78.9	254.4	90,000*b	80.5	253.2	75,500*b				60
	65	77.7	253.3	90,000*b	79.4	252.1	73,700*b				65
	70	76.6	252.0	87,000b	78.2	250.8	72,100*b	79.8	248.2	57,100*	70
	75	75.4	250.6	78,400b	77.0	249.5	70,500*b	78.6	246.8	55,700*	75
	80	74.2	249.2	71,100b	75.8	248.0	69,100*b	77.4	245.3	54,500*	80
	85	73.0	247.6	64,800b	74.6	246.4	66,700	76.2	243.7	53,200*	85
	90	71.8	245.9	59,300b	73.4	244.7	61,000	75.0	242.0	52,100*	90
	95	70.6	244.1	54,500b	72.2	242.9	56,000	73.8	240.1	51,000*	95
	100	69.4	242.2	50,200b	71.0	240.9	51,600	72.5	238.1	50,000*	100
	105	68.1	240.1	46,300b	69.7	238.9	47,700	71.3	236.1	49,000*	105
	110	66.9	237.9	42,900b	68.5	236.7	44,100	70.0	233.8	45,400	110
	115	65.7	235.6	39,700b	67.2	234.3	40,900	68.7	231.5	42,100	115
	120	64.4	233.1	36,900b	66.0	231.9	38,000	67.4	229.0	39,100	120
	130	61.8	227.8	31,900	63.4	226.5	32,900	64.8	223.5	33,900	130
	140	59.2	221.9	27,700	60.7	220.5	28,600	62.1	217.5	29,500	140
	150	56.5	215.3	24,200	58.0	213.9	24,900	59.3	210.8	25,700	150
	160	53.6	208.0	21,100	55.1	206.6	21,800	56.5	203.3	22,400	160
	170	50.7	199.9	18,300	52.2	198.4	19,000	53.5	195.0	19,500	170
	180	47.7	190.9	15,900	49.1	189.4	16,500	50.3	185.8	16,900	180
	190	44.4	180.9	13,800	45.9	179.2	14,300	47.0	175.4	14,700	190
220	55	80.4	265.6	90,000*b							55
	60	79.3	264.6	90,000*b	80.9	263.4	76,100*b				60
	65	78.2	263.5	84,200b	79.8	262.3	74,300*b				65
	70	77.1	262.3	74,400b	78.6	261.1	72,700*b	80.2	258.5	57,400*	70
	75	76.0	261.0	66,200b	77.5	259.8	69,200b	79.1	257.1	56,200*	75
	80	74.8	259.6	59,200b	76.4	258.4	61,900b	77.9	255.7	55,000*	80
	85	73.7	258.1	53,100b	75.2	256.9	55,600b	76.8	254.2	53,800*	85
	90	72.5	256.5	47,900b	74.1	255.3	50,200	75.6	252.5	52,500	90
	95	71.4	254.7	43,200b	72.9	253.5	45,300	74.4	250.8	47,500	95
	100	70.2	252.9	39,100b	71.7	251.7	41,100	73.2	248.9	43,100	100
	105	69.0	250.9	35,400b	70.6	249.7	37,200	72.0	246.9	39,100	105
	110	67.8	248.8	32,000b	69.4	247.6	33,800	70.8	244.7	35,500	110
	115	66.6	246.6	29,000b	68.2	245.4	30,700	69.6	242.5	32,300	115
	120	65.4	244.3	26,300b	66.9	243.0	27,900	68.4	240.1	29,400	120
	130	63.0	239.2	21,500	64.5	237.9	22,900	65.9	235.0	24,300	130
	140	60.5	233.6	17,500	62.0	232.3	18,800	63.3	229.2	19,900	140
	150	57.9	227.4	14,100	59.4	226.0	15,200	60.7	222.9	16,200	150
	160	55.3	220.5	11,100	56.7	219.1	12,100	58.0	215.8	13,000	160
	170	52.5	212.9	8,500	53.9	211.4	9,300	55.2	208.1	10,100	170
	180	49.7	204.5	6,100	51.1	203.0	6,900	52.3	199.5	7,600	180
	190	46.7	195.2	4,100	48.1	193.6	4,800	49.2	189.9	5,400	190
230	55	80.8	275.8	90,000*b							55
	60	79.7	274.8	90,000*b							60
	65	78.6	273.8	83,400b	80.2	272.6	74,900*b				65
	70	77.6	272.6	73,600b	79.1	271.4	73,300*b	80.6	268.7	57,700*	70
	75	76.5	271.4	65,400b	78.0	270.2	68,500b	79.5	267.5	56,700*	75
	80	75.4	270.0	58,400b	76.9	268.8	61,200b	78.4	266.1	55,500*	80
	85	74.3	268.6	52,300b	75.8	267.4	54,900b	77.3	264.6	54,300*	85
	90	73.2	267.0	47,000b	74.7	265.8	49,400	76.2	263.0	51,800	90
	95	72.1	265.3	42,300b	73.6	264.1	44,600	75.0	261.3	46,800	95
	100	71.0	263.6	38,200b	72.4	262.3	40,300	73.9	259.5	42,400	100
	105	69.8	261.7	34,500b	71.3	260.4	36,500	72.8	257.6	38,400	105
	110	68.7	259.7	31,200b	70.2	258.4	33,000	71.6	255.6	34,800	110
	115	67.6	257.6	28,200b	69.0	256.3	29,900	70.4	253.4	31,600	115
	120	66.4	255.3	25,400b	67.9	254.1	27,100	69.3	251.2	28,700	120
	130	64.1	250.5	20,700b	65.5	249.2	22,100	66.9	246.2	23,500	130
	140	61.7	245.1	16,600	63.1	243.8	17,900	64.5	240.8	19,200	140
	150	59.2	239.2	13,200	60.7	237.9	14,400	62.0	234.8	15,400	150
	160	56.7	232.7	10,200	58.1	231.3	11,200	59.4	228.1	12,200	160
	170	54.1	225.5	7,600	55.5	224.1	8,500	56.7	220.8	9,400	170
	180	51.4	217.6	5,300	52.8	216.1	6,100	54.0	212.7	6,800	180
	190				50.0	207.4	4,000	51.1	203.8	4,600	190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

40 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
240	60	80.1	285.0	90,000*b							60
	65	79.1	284.0	82,500b	80.5	282.8	75,400*b				65
	70	78.0	282.9	72,700b	79.5	281.7	73,900*b	80.9	279.0	57,900*	70
	75	77.0	281.7	64,500b	78.4	280.5	67,700b	79.9	277.8	57,200*	75
	80	75.9	280.4	57,500b	77.4	279.2	60,400b	78.8	276.4	55,900*	80
	85	74.9	279.0	51,400b	76.3	277.8	54,100b	77.7	275.0	54,800*	85
	90	73.8	277.5	46,100b	75.2	276.3	48,600b	76.7	273.5	51,100	90
	95	72.7	275.9	41,400b	74.2	274.7	43,800	75.6	271.9	46,100	95
	100	71.7	274.2	37,300b	73.1	272.9	39,500	74.5	270.2	41,600	100
	105	70.6	272.4	33,600b	72.0	271.1	35,600	73.4	268.3	37,600	105
	110	69.5	270.5	30,200b	70.9	269.2	32,200	72.3	266.4	34,000	110
	115	68.4	268.4	27,200b	69.8	267.2	29,000	71.2	264.3	30,800	115
	120	67.3	266.3	24,500b	68.7	265.0	26,200	70.1	262.1	27,900	120
	130	65.1	261.7	19,700b	66.5	260.4	21,200	67.8	257.4	22,700	130
	140	62.8	256.5	15,700	64.2	255.2	17,000	65.5	252.2	18,300	140
	150	60.4	250.9	12,200	61.8	249.5	13,400	63.1	246.5	14,600	150
	160	58.1	244.7	9,200	59.4	243.3	10,300	60.7	240.2	11,300	160
	170	55.6	237.9	6,600	56.9	236.5	7,600	58.2	233.2	8,500	170
	180	53.1	230.5	4,300	54.4	229.0	5,200	55.6	225.6	6,000	180
250	60	80.4	295.2	90,000*b							60
	65	79.4	294.2	83,200b	80.8	293.0	76,000*b				65
	70	78.4	293.1	73,400b	79.8	291.9	74,400*b				70
	75	77.4	292.0	65,200b	78.8	290.8	68,300b	80.2	288.0	57,400*	75
	80	76.4	290.7	58,200b	77.8	289.5	61,000b	79.2	286.8	56,400*	80
	85	75.4	289.4	52,100b	76.8	288.2	54,800b	78.2	285.4	55,300*	85
	90	74.4	287.9	46,800b	75.8	286.7	49,300b	77.2	283.9	51,700	90
	95	73.4	286.4	42,100b	74.7	285.2	44,400	76.1	282.4	46,700	95
	100	72.3	284.8	38,000b	73.7	283.5	40,100	75.1	280.7	42,300	100
	105	71.3	283.0	34,300b	72.7	281.8	36,300	74.0	279.0	38,300	105
	110	70.2	281.2	31,000b	71.6	279.9	32,900	72.9	277.1	34,700	110
	115	69.2	279.2	28,000b	70.6	278.0	29,700	71.9	275.1	31,500	115
	120	68.1	277.2	25,200b	69.5	275.9	26,900	70.8	273.0	28,500	120
	130	66.0	272.7	20,500b	67.3	271.4	22,000	68.6	268.5	23,400	130
	140	63.8	267.8	16,400b	65.1	266.5	17,800	66.4	263.5	19,100	140
	150	61.6	262.5	13,000	62.9	261.1	14,200	64.1	258.1	15,300	150
	160	59.3	256.5	10,000	60.6	255.2	11,100	61.8	252.0	12,100	160
	170	57.0	250.1	7,400	58.3	248.7	8,400	59.4	245.5	9,300	170
	180	54.5	243.0	5,100	55.8	241.6	6,000	57.0	238.3	6,800	180
260	60	80.8	305.4	90,000*b							60
	65	79.8	304.4	82,400b							65
	70	78.8	303.4	72,600b	80.2	302.2	74,900*b				70
	75	77.8	302.3	64,400b	79.2	301.0	67,600b	80.6	298.3	57,600*	75
	80	76.9	301.0	57,300b	78.2	299.8	60,300b	79.6	297.1	56,800*	80
	85	75.9	299.7	51,200b	77.2	298.5	54,000b	78.6	295.8	55,700*	85
	90	74.9	298.4	45,900b	76.3	297.1	48,500b	77.6	294.4	51,000	90
	95	73.9	296.9	41,200b	75.3	295.6	43,600b	76.6	292.8	46,000	95
	100	72.9	295.3	37,100b	74.3	294.0	39,300	75.6	291.2	41,500	100
	105	71.9	293.6	33,400b	73.3	292.4	35,500	74.6	289.5	37,500	105
	110	70.9	291.8	30,100b	72.3	290.6	32,000	73.6	287.7	34,000	110
	115	69.9	290.0	27,000b	71.2	288.7	28,900	72.5	285.8	30,700	115
	120	68.9	288.0	24,300b	70.2	286.7	26,100	71.5	283.8	27,800	120
	130	66.8	283.7	19,500b	68.1	282.4	21,100	69.4	279.5	22,600	130
	140	64.7	279.0	15,500b	66.0	277.7	16,900	67.3	274.7	18,300	140
	150	62.6	273.9	12,000	63.9	272.5	13,300	65.1	269.5	14,500	150
	160	60.4	268.2	9,000	61.7	266.9	10,200	62.9	263.7	11,300	160
	170	58.2	262.1	6,400	59.5	260.7	7,500	60.6	257.5	8,400	170
	180	55.9	255.3	4,100	57.2	253.9	5,100	58.3	250.6	5,900	180

MANITOWOC ENGINEERING CO.

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LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
130	50	79.8	194.9	72,400* ^b							50
	55	78.3	193.7	70,900*							55
	60	76.7	192.3	69,500*	79.9	190.5	59,200*				60
	65	75.1	190.8	68,100*	78.3	189.0	58,300*				65
	70	73.6	189.1	66,800*	76.7	187.3	57,500*	79.9	183.5	41,800*	70
	75	72.0	187.3	65,600*	75.1	185.4	56,700*	78.3	181.6	40,400*	75
	80	70.4	185.3	64,400*	73.5	183.4	55,900*	76.6	179.6	39,100*	80
	85	68.7	183.1	63,300*	71.9	181.2	55,200*	75.0	177.3	37,900*	85
	90	67.1	180.8	62,200*	70.2	178.9	54,500*	73.3	174.9	36,800*	90
	95	65.4	178.3	60,900	68.5	176.3	53,200*	71.5	172.3	35,800*	95
	100	63.7	175.6	56,500	66.8	173.6	51,600*	69.8	169.5	34,800*	100
	105	62.0	172.7	52,700	65.0	170.7	50,100*	68.0	166.5	33,900*	105
	110	60.3	169.6	49,200	63.3	167.5	48,700*	66.2	163.3	33,100*	110
	115	58.5	166.3	46,100	61.5	164.2	47,100	64.3	159.9	32,300*	115
	120	56.6	162.8	43,200	59.6	160.6	44,200	62.4	156.2	31,600*	120
	130	52.8	154.9	38,200	55.7	152.6	39,100	58.4	147.9	30,200*	130
	140	48.8	145.9	34,000	51.7	143.4	34,700	54.2	138.4	29,100*	140
	150	44.5	135.4	30,400	47.3	132.8	31,000	49.6	127.3	28,100*	150
	160	39.8	123.2	27,200	42.4	120.3	27,700				160
	170	34.5	108.5	24,500	37.0	105.1	24,900				170
	180	28.2	90.0	22,000							180
140	50	80.3	205.2	73,000* ^b							50
	55	78.8	204.0	71,500*							55
	60	77.4	202.7	70,100*	80.4	200.8	59,500*				60
	65	75.9	201.2	68,800*	78.9	199.4	58,700*				65
	70	74.4	199.7	67,500*	77.4	197.8	57,800*	80.5	194.0	42,300*	70
	75	72.9	197.9	66,300*	75.9	196.0	57,100*	78.9	192.2	40,900*	75
	80	71.4	196.0	65,100*	74.4	194.1	56,300*	77.4	190.2	39,700*	80
	85	69.9	194.0	64,000*	72.8	192.1	55,600*	75.8	188.1	38,500*	85
	90	68.3	191.8	63,000*	71.3	189.9	54,900*	74.2	185.9	37,400*	90
	95	66.8	189.5	60,200	69.7	187.5	54,300*	72.6	183.4	36,400*	95
	100	65.2	186.9	55,800	68.1	184.9	52,800*	70.9	180.8	35,500*	100
	105	63.5	184.2	52,000	66.4	182.2	51,300*	69.3	178.0	34,600*	105
	110	61.9	181.4	48,500	64.8	179.3	49,800	67.6	175.0	33,700*	110
	115	60.2	178.3	45,300	63.1	176.2	46,500	65.8	171.8	33,000*	115
	120	58.5	175.0	42,500	61.4	172.8	43,600	64.1	168.4	32,200*	120
	130	55.0	167.7	37,500	57.8	165.5	38,400	60.4	160.8	30,900*	130
	140	51.4	159.5	33,300	54.1	157.1	34,100	56.5	152.2	29,700*	140
	150	47.5	150.0	29,600	50.1	147.5	30,300	52.4	142.2	28,700*	150
	160	43.3	139.2	26,500	45.8	136.4	27,100	48.0	130.7	27,600	160
	170	38.7	126.5	23,700	41.1	123.4	24,200				170
	180	33.5	111.3	21,300	35.8	107.7	21,700				180
150	50	80.8	215.4	73,400* ^b							50
	55	79.4	214.3	72,000* ^b							55
	60	78.0	213.0	70,700*	80.9	211.1	59,800*				60
	65	76.6	211.7	69,400*	79.5	209.8	59,000*				65
	70	75.2	210.2	68,100*	78.1	208.2	58,200*	81.0	204.4	42,700*	70
	75	73.8	208.5	66,900*	76.6	206.6	57,400*	79.5	202.7	41,400*	75
	80	72.3	206.7	65,800*	75.2	204.8	56,700*	78.0	200.8	40,200*	80
	85	70.9	204.8	64,700*	73.7	202.9	56,000*	76.5	198.9	39,100*	85
	90	69.4	202.7	63,700*	72.2	200.8	55,300*	75.0	196.7	38,000*	90
	95	67.9	200.5	59,600	70.7	198.5	54,700*	73.5	194.4	37,000*	95
	100	66.4	198.1	55,200	69.2	196.1	53,900*	71.9	192.0	36,100*	100
	105	64.9	195.6	51,300	67.7	193.5	52,400*	70.4	189.4	35,200*	105
	110	63.4	192.9	47,900	66.1	190.8	49,200	68.8	186.5	34,400*	110
	115	61.8	190.0	44,700	64.5	187.9	46,000	67.2	183.6	33,600*	115
	120	60.2	186.9	41,900	62.9	184.8	43,000	65.5	180.4	32,800*	120
	130	57.0	180.2	36,900	59.6	177.9	37,900	62.1	173.3	31,500*	130
	140	53.6	172.5	32,600	56.2	170.2	33,500	58.6	165.4	30,300*	140
	150	50.0	163.9	29,000	52.6	161.4	29,800	54.8	156.3	29,300*	150
	160	46.2	154.1	25,900	48.7	151.4	26,500	50.8	145.9	27,100	160
	170	42.1	142.8	23,100	44.5	139.9	23,700	46.5	133.9	24,100	170
	180	37.7	129.6	20,700	40.0	126.4	21,100				180
	190	32.6	113.9	18,500	34.8	110.3	18,800				190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
160	55	79.9	224.5	72,500* ^b							55
	60	78.5	223.3	71,200*							60
	65	77.2	222.0	69,900*	80.0	220.1	59,300*				65
	70	75.9	220.6	68,700*	78.6	218.7	58,500*				70
	75	74.5	219.0	67,600*	77.3	217.1	57,700*	80.0	213.1	41,900*	75
	80	73.2	217.4	66,500*	75.9	215.4	57,000*	78.6	211.4	40,700*	80
	85	71.8	215.5	65,400*	74.5	213.5	56,400*	77.2	209.5	39,600*	85
	90	70.4	213.6	63,800	73.1	211.6	55,700*	75.8	207.5	38,500*	90
	95	69.0	211.5	58,900	71.7	209.4	55,100*	74.3	205.3	37,600*	95
	100	67.6	209.2	54,500	70.2	207.2	54,500*	72.9	203.0	36,600*	100
	105	66.1	206.8	50,600	68.8	204.7	52,200	71.4	200.5	35,800*	105
	110	64.7	204.3	47,200	67.3	202.2	48,600	69.9	197.9	34,900*	110
	115	63.2	201.5	44,000	65.8	199.4	45,400	68.4	195.1	34,200*	115
	120	61.7	198.7	41,100	64.3	196.5	42,400	66.8	192.1	33,400*	120
	130	58.7	192.3	36,100	61.2	190.1	37,200	63.7	185.5	32,100*	130
	140	55.5	185.2	31,900	58.0	182.9	32,900	60.4	178.1	30,900*	140
	150	52.2	177.2	28,300	54.7	174.8	29,100	56.9	169.8	29,800*	150
	160	48.7	168.2	25,100	51.2	165.6	25,900	53.3	160.3	26,500	160
	170	45.0	158.0	22,400	47.4	155.2	23,000	49.4	149.5	23,500	170
	180	41.1	146.3	19,900	43.3	143.3	20,500				180
	190	36.7	132.7	17,700	38.9	129.4	18,200				190
	200	31.8	116.6	15,800							200
170	55	80.3	234.7	73,000* ^b							55
	60	79.1	233.6	71,700* ^b							60
	65	77.8	232.4	70,400*	80.4	230.4	59,500*				65
	70	76.5	231.0	69,300*	79.1	229.0	58,800*				70
	75	75.2	229.5	68,100*	77.8	227.5	58,100*	80.5	223.5	42,300*	75
	80	73.9	227.9	67,100*	76.5	225.9	57,400*	79.1	221.9	41,200*	80
	85	72.6	226.2	66,000*	75.2	224.2	56,700*	77.8	220.1	40,100*	85
	90	71.3	224.3	63,400	73.9	222.3	56,100*	76.4	218.2	39,000*	90
	95	70.0	222.3	58,500	72.5	220.3	55,500*	75.1	216.1	38,100*	95
	100	68.6	220.2	54,200	71.2	218.1	54,900*	73.7	213.9	37,100*	100
	105	67.3	217.9	50,300	69.8	215.8	51,900	72.3	211.6	36,300*	105
	110	65.9	215.5	46,800	68.4	213.4	48,300	70.9	209.1	35,500*	110
	115	64.5	212.9	43,600	67.0	210.8	45,100	69.4	206.4	34,700*	115
	120	63.1	210.2	40,800	65.6	208.0	42,100	68.0	203.6	34,000*	120
	130	60.2	204.2	35,800	62.7	202.0	36,900	65.0	197.5	32,600*	130
	140	57.2	197.6	31,500	59.7	195.3	32,600	61.9	190.5	31,400*	140
	150	54.2	190.1	27,900	56.5	187.7	28,800	58.7	182.8	29,700	150
	160	50.9	181.8	24,800	53.3	179.3	25,600	55.4	174.1	26,300	160
	170	47.6	172.4	22,000	49.8	169.7	22,700	51.8	164.2	23,300	170
	180	44.0	161.8	19,600	46.2	159.0	20,200	48.0	153.1	20,700	180
	190	40.1	149.7	17,400	42.2	146.6	17,900				190
	200	35.8	135.8	15,500	37.9	132.3	15,900				200
	210	31.0	119.1	13,700							210
180	55	80.7	245.0	73,400* ^b							55
	60	79.5	243.9	72,100* ^b							60
	65	78.3	242.7	70,900*	80.8	240.7	59,800*				65
	70	77.1	241.4	69,800*	79.6	239.4	59,000*				70
	75	75.8	240.0	68,700*	78.4	238.0	58,300*	80.9	233.9	42,700*	75
	80	74.6	238.4	67,600*	77.1	236.4	57,700*	79.6	232.3	41,600*	80
	85	73.4	236.8	66,600*	75.8	234.7	57,000*	78.3	230.6	40,500*	85
	90	72.1	235.0	62,800	74.6	232.9	56,400*	77.0	228.8	39,500*	90
	95	70.8	233.1	57,900	73.3	231.0	55,800*	75.7	226.8	38,500*	95
	100	69.6	231.1	53,500	72.0	229.0	55,200*	74.4	224.8	37,600*	100
	105	68.3	228.9	49,600	70.7	226.8	51,300	73.1	222.5	36,800*	105
	110	67.0	226.6	46,100	69.4	224.5	47,700	71.8	220.2	36,000*	110
	115	65.6	224.2	43,000	68.1	222.0	44,500	70.4	217.6	35,200*	115
	120	64.3	221.6	40,100	66.7	219.4	41,500	69.0	215.0	34,500*	120
	130	61.6	216.0	35,100	64.0	213.7	36,300	66.2	209.2	33,200*	130
	140	58.8	209.7	30,800	61.1	207.4	31,900	63.3	202.7	32,000*	140
	150	55.9	202.7	27,200	58.2	200.3	28,200	60.3	195.4	29,100	150
	160	52.9	194.9	24,000	55.2	192.4	24,900	57.2	187.3	25,700	160
	170	49.8	186.2	21,300	52.0	183.6	22,000	53.9	178.3	22,700	170
	180	46.5	176.5	18,900	48.6	173.7	19,500	50.5	168.1	20,100	180
	190	42.9	165.6	16,700	45.1	162.6	17,300	46.7	156.5	17,700	190
	200	39.2	153.1	14,700	41.2	149.9	15,200				200
	210	35.0	138.7	13,000	36.9	135.1	13,400				210
	220	30.3	121.6	11,400							220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
190	60	79.9	254.1	72,600 ^{*b}							60
	65	78.8	253.0	71,400 [*]							65
	70	77.6	251.7	70,300 [*]	80.0	249.7	59,300 [*]				70
	75	76.4	250.4	69,200 [*]	78.8	248.3	58,600 [*]				75
	80	75.2	248.9	68,200 [*]	77.6	246.9	57,900 [*]	80.1	242.7	42,000 [*]	80
	85	74.0	247.3	67,200 [*]	76.4	245.3	57,300 [*]	78.8	241.1	40,900 [*]	85
	90	72.8	245.6	62,200	75.2	243.5	56,700 [*]	77.6	239.4	39,900 [*]	90
	95	71.6	243.8	57,300	74.0	241.7	56,100 [*]	76.4	237.5	39,000 [*]	95
	100	70.4	241.9	52,900	72.8	239.8	54,800	75.1	235.5	38,100 [*]	100
	105	69.2	239.8	49,000	71.5	237.7	50,800	73.8	233.4	37,300 [*]	105
	110	67.9	237.6	45,500	70.3	235.5	47,200	72.6	231.1	36,500 [*]	110
	115	66.7	235.3	42,300	69.0	233.1	43,900	71.3	228.7	35,700 [*]	115
	120	65.4	232.8	39,500	67.7	230.6	41,000	70.0	226.2	35,000 [*]	120
	130	62.8	227.5	34,400	65.1	225.3	35,800	67.3	220.7	33,700 [*]	130
	140	60.2	221.6	30,200	62.5	219.3	31,400	64.6	214.6	32,500 [*]	140
	150	57.5	215.0	26,600	59.7	212.6	27,600	61.8	207.8	28,600	150
	160	54.7	207.7	23,400	56.8	205.2	24,300	58.8	200.2	25,200	160
	170	51.7	199.6	20,600	53.9	197.0	21,500	55.8	191.8	22,200	170
	180	48.7	190.6	18,200	50.8	187.9	18,900	52.6	182.4	19,600	180
	190	45.4	180.5	16,000	47.5	177.7	16,700	49.2	171.8	17,200	190
	200	42.0	169.2	14,100	44.0	166.2	14,600				200
	210	38.3	156.4	12,300	40.2	153.1	12,800				210
	220	34.2	141.6	10,800	36.1	137.9	11,100				220
	230	29.7	124.1	9,300							230
200	60	80.3	264.3	73,000 ^{*b}							60
	65	79.2	263.2	71,800 ^{*b}							65
	70	78.1	262.0	70,700 [*]	80.4	260.0	59,500 [*]				70
	75	77.0	260.7	69,700 [*]	79.3	258.7	58,800 [*]				75
	80	75.8	259.3	63,200	78.1	257.3	58,200 [*]	80.5	253.1	42,300 [*]	80
	85	74.7	257.8	57,100	77.0	255.7	57,600 [*]	79.3	251.6	41,300 [*]	85
	90	73.5	256.2	51,700	75.8	254.1	54,700	78.1	249.9	40,300 [*]	90
	95	72.4	254.4	46,900	74.7	252.3	49,800	76.9	248.1	39,400 [*]	95
	100	71.2	252.6	42,700	73.5	250.5	45,400	75.7	246.2	38,500 [*]	100
	105	70.0	250.6	38,900	72.3	248.5	41,500	74.5	244.2	37,700 [*]	105
	110	68.8	248.5	35,600	71.1	246.4	37,900	73.3	242.0	36,900 [*]	110
	115	67.6	246.3	32,500	69.9	244.1	34,700	72.1	239.8	36,200 [*]	115
	120	66.4	244.0	29,700	68.7	241.8	31,800	70.8	237.3	33,900	120
	130	64.0	238.9	24,900	66.2	236.7	26,700	68.3	232.1	28,500	130
	140	61.5	233.3	20,800	63.7	231.0	22,400	65.7	226.3	24,000	140
	150	58.9	227.0	17,300	61.0	224.7	18,700	63.0	219.9	20,100	150
	160	56.2	220.1	14,200	58.4	217.7	15,500	60.3	212.7	16,700	160
	170	53.5	212.5	11,500	55.6	210.0	12,700	57.4	204.8	13,800	170
	180	50.6	204.1	9,200	52.7	201.5	10,200	54.5	196.1	11,100	180
	190	47.6	194.8	7,100	49.6	192.0	8,000	51.3	186.3	8,800	190
	200	44.5	184.4	5,200	46.4	181.5	6,000	48.0	175.4	6,700	200
	210				43.0	169.6	4,200				210
210	60	80.7	274.5	73,400 ^{*b}							60
	65	79.6	273.5	72,200 ^{*b}							65
	70	78.5	272.3	71,200 [*]	80.8	270.3	59,700 [*]				70
	75	77.4	271.1	69,900	79.7	269.0	59,100 [*]				75
	80	76.4	269.7	62,700	78.6	267.6	58,400 [*]	80.8	263.5	42,700 [*]	80
	85	75.3	268.3	56,500	77.5	266.2	57,800 [*]	79.7	262.0	41,700 [*]	85
	90	74.2	266.7	51,200	76.4	264.6	54,300	78.6	260.4	40,700 [*]	90
	95	73.0	265.0	46,400	75.2	262.9	49,400	77.4	258.7	39,800 [*]	95
	100	71.9	263.3	42,200	74.1	261.1	45,000	76.3	256.8	39,000 [*]	100
	105	70.8	261.4	38,400	73.0	259.2	41,000	75.1	254.9	38,100 [*]	105
	110	69.7	259.4	35,100	71.8	257.2	37,500	74.0	252.8	37,400 [*]	110
	115	68.5	257.3	32,000	70.7	255.1	34,300	72.8	250.7	36,500	115
	120	67.4	255.0	29,200	69.5	252.8	31,400	71.6	248.4	33,500	120
	130	65.0	250.2	24,400	67.2	247.9	26,300	69.2	243.4	28,100	130
	140	62.6	244.8	20,200	64.7	242.5	22,000	66.7	237.9	23,600	140
	150	60.2	238.9	16,700	62.3	236.5	18,300	64.2	231.8	19,700	150
	160	57.7	232.4	13,700	59.7	229.9	15,100	61.6	225.0	16,300	160
	170	55.1	225.2	11,000	57.1	222.7	12,200	58.9	217.6	13,400	170
	180	52.4	217.3	8,700	54.4	214.7	9,800	56.1	209.4	10,800	180
	190	49.6	208.6	6,600	51.5	205.8	7,500	53.2	200.3	8,400	190
	200	46.7	198.9	4,700	48.6	196.1	5,500	50.2	190.3	6,300	200
	210							46.9	179.0	4,400	210

MANITOWOC ENGINEERING CO.

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LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
220	65	80.0	283.7	72,600* ^b							65
	70	78.9	282.6	71,600* ^b							70
	75	77.9	281.4	69,000	80.1	279.3	59,300*				75
	80	76.9	280.1	61,900	79.0	278.0	58,700*				80
	85	75.8	278.7	55,700	77.9	276.6	58,100*	80.1	272.3	42,000*	85
	90	74.7	277.2	50,300	76.9	275.1	53,600	79.0	270.8	41,100*	90
	95	73.7	275.6	45,500	75.8	273.5	48,600	77.9	269.2	40,200*	95
	100	72.6	273.9	41,300	74.7	271.7	44,200	76.8	267.4	39,300*	100
	105	71.5	272.1	37,500	73.6	269.9	40,300	75.7	265.6	38,500*	105
	110	70.4	270.1	34,200	72.5	268.0	36,700	74.6	263.6	37,800*	110
	115	69.3	268.1	31,100	71.4	265.9	33,500	73.5	261.5	35,900	115
	120	68.2	266.0	28,300	70.3	263.8	30,600	72.3	259.3	32,800	120
	130	66.0	261.3	23,400	68.0	259.1	25,500	70.0	254.5	27,400	130
	140	63.7	256.2	19,300	65.7	253.9	21,100	67.7	249.3	22,900	140
	150	61.4	250.6	15,800	63.4	248.2	17,400	65.3	243.5	19,000	150
	160	59.0	244.4	12,700	61.0	242.0	14,200	62.8	237.1	15,600	160
230	170	56.5	237.6	10,100	58.5	235.1	11,400	60.3	230.0	12,600	170
	180	54.0	230.1	7,700	55.9	227.5	8,900	57.6	222.3	10,000	180
	190	51.3	221.9	5,600	53.3	219.2	6,700	54.9	213.8	7,600	190
	200				50.5	210.1	4,700	52.1	204.5	5,500	200
	65	80.3	293.9	73,000* ^b							65
	70	79.3	292.8	71,900* ^b							70
	75	78.3	291.7	68,300	80.4	289.6	59,500*				75
	80	77.3	290.4	61,100	79.4	288.3	58,900*				80
	85	76.3	289.1	54,900	78.4	287.0	58,300*	80.5	282.7	42,400*	85
	90	75.3	287.6	49,500	77.3	285.5	53,000	79.4	281.2	41,400*	90
	95	74.2	286.1	44,700	76.3	283.9	48,000	78.4	279.6	40,600*	95
	100	73.2	284.4	40,500	75.3	282.3	43,500	77.3	277.9	39,700*	100
	105	72.2	282.7	36,700	74.2	280.5	39,600	76.2	276.2	38,900*	105
	110	71.1	280.9	33,300	73.2	278.7	36,000	75.2	274.3	38,200*	110
	115	70.1	278.9	30,300	72.1	276.7	32,800	74.1	272.3	35,200	115
	120	69.0	276.9	27,500	71.0	274.6	29,800	73.0	270.2	32,200	120
	130	66.9	272.4	22,600	68.9	270.2	24,700	70.8	265.6	26,800	130
	140	64.7	267.5	18,500	66.7	265.2	20,400	68.5	260.6	22,200	140
	150	62.4	262.1	14,900	64.4	259.8	16,700	66.3	255.0	18,300	150
	160	60.2	256.2	11,900	62.1	253.8	13,400	63.9	248.9	14,900	160
	170	57.8	249.7	9,200	59.7	247.3	10,600	61.5	242.3	11,900	170
	180	55.4	242.7	6,800	57.3	240.1	8,100	59.0	235.0	9,300	180
	190	52.9	234.9	4,700	54.8	232.3	5,900	56.4	227.0	6,900	190
	200							53.8	218.2	4,800	200
240	65	80.7	304.1	73,300* ^b							65
	70	79.7	303.1	72,300* ^b							70
	75	78.7	301.9	67,500	80.7	299.8	59,700*				75
	80	77.7	300.7	60,300	79.8	298.6	59,100*				80
	85	76.8	299.4	54,100	78.8	297.3	57,900	80.8	293.0	42,700*	85
	90	75.8	298.0	48,600	77.8	295.9	52,200	79.8	291.6	41,800*	90
	95	74.8	296.6	43,900	76.8	294.4	47,200	78.8	290.1	40,900*	95
	100	73.8	295.0	39,600	75.8	292.8	42,800	77.8	288.4	40,100*	100
	105	72.8	293.3	35,800	74.8	291.1	38,800	76.7	286.7	39,300*	105
	110	71.8	291.5	32,400	73.8	289.3	35,200	75.7	284.9	38,000	110
	115	70.8	289.6	29,400	72.7	287.4	32,000	74.7	283.0	34,600	115
	120	69.7	287.7	26,600	71.7	285.4	29,000	73.6	281.0	31,500	120
	130	67.7	283.4	21,700	69.6	281.1	23,900	71.5	276.6	26,000	130
	140	65.6	278.7	17,500	67.5	276.4	19,500	69.3	271.8	21,500	140
	150	63.5	273.5	14,000	65.4	271.2	15,800	67.1	266.5	17,500	150
	160	61.3	267.9	10,900	63.2	265.5	12,600	64.9	260.6	14,100	160
	170	59.0	261.7	8,300	60.9	259.3	9,700	62.6	254.3	11,100	170
	180	56.7	255.0	5,900	58.6	252.5	7,200	60.3	247.4	8,500	180
	190				56.2	245.0	5,000	57.8	239.8	6,100	190
	200							55.3	231.5	4,000	200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

60 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
250	65	81.0	314.3	60,000* ^b							65
	70	80.0	313.3	60,000* ^b							70
	75	79.1	312.2	60,000* ^b							75
	80	78.1	311.0	60,000*	80.1	308.9	59,300*				80
	85	77.2	309.8	54,600	79.1	307.6	58,400				85
	90	76.2	308.4	49,200	78.2	306.3	52,700	80.1	301.9	42,100*	90
	95	75.3	307.0	44,400	77.2	304.8	47,700	79.2	300.5	41,200*	95
	100	74.3	305.5	40,200	76.3	303.3	43,300	78.2	298.9	40,400*	100
	105	73.4	303.9	36,400	75.3	301.7	39,300	77.2	297.3	39,600*	105
	110	72.4	302.1	33,000	74.3	299.9	35,800	76.2	295.5	38,500	110
	115	71.4	300.3	30,000	73.3	298.1	32,500	75.2	293.7	35,100	115
	120	70.4	298.4	27,200	72.3	296.2	29,600	74.2	291.7	32,000	120
	130	68.4	294.3	22,300	70.3	292.1	24,500	72.1	287.5	26,600	130
	140	66.4	289.8	18,200	68.3	287.5	20,100	70.1	282.9	22,000	140
	150	64.4	284.8	14,600	66.2	282.5	16,400	68.0	277.8	18,100	150
	160	62.3	279.4	11,600	64.1	277.0	13,200	65.8	272.2	14,700	160
	170	60.2	273.5	8,900	62.0	271.1	10,400	63.6	266.1	11,700	170
	180	58.0	267.1	6,500	59.8	264.6	7,900	61.4	259.5	9,100	180
	190	55.7	260.1	4,400	57.5	257.5	5,600	59.1	252.3	6,700	190
	200							56.7	244.5	4,600	200
260	70	80.3	323.5	60,000* ^b							70
	75	79.4	322.4	60,000* ^b							75
	80	78.5	321.3	60,000*	80.4	319.2	59,500*				80
	85	77.6	320.1	53,800	79.5	317.9	57,700				85
	90	76.7	318.8	48,400	78.6	316.6	52,000	80.5	312.3	42,400*	90
	95	75.8	317.4	43,600	77.6	315.2	47,000	79.5	310.8	41,500*	95
	100	74.8	315.9	39,400	76.7	313.7	42,600	78.6	309.3	40,700*	100
	105	73.9	314.4	35,600	75.8	312.2	38,600	77.6	307.7	40,000*	105
	110	73.0	312.7	32,200	74.8	310.5	35,000	76.6	306.1	37,800	110
	115	72.0	311.0	29,100	73.9	308.7	31,800	75.7	304.3	34,400	115
	120	71.1	309.1	26,300	72.9	306.9	28,800	74.7	302.4	31,300	120
	130	69.2	305.2	21,400	71.0	302.9	23,700	72.8	298.3	25,900	130
	140	67.2	300.8	17,300	69.0	298.5	19,300	70.8	293.9	21,300	140
	150	65.2	296.1	13,700	67.0	293.7	15,600	68.7	289.0	17,400	150
	160	63.2	290.8	10,700	65.0	288.5	12,400	66.7	283.7	14,000	160
	170	61.2	285.2	8,000	63.0	282.8	9,500	64.6	277.8	11,000	170
	180	59.1	279.0	5,600	60.8	276.6	7,000	62.4	271.5	8,300	180
	190				58.7	269.8	4,800	60.2	264.7	6,000	190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

80 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
130	55	80.2	214.2	51,500*							55
	60	78.8	213.0	50,400*							60
	65	77.4	211.6	49,400*							65
	70	76.0	210.1	48,400*	79.8	207.9	44,000*				70
	75	74.5	208.5	47,400*	78.4	206.2	43,200*				75
	80	73.1	206.7	46,500*	76.9	204.4	42,500*	80.9	199.8	33,900*	80
	85	71.7	204.7	45,600*	75.5	202.5	41,800*	79.4	197.8	32,800*	85
	90	70.2	202.7	44,800*	74.0	200.4	41,100*	77.9	195.7	31,700*	90
	95	68.7	200.5	44,000*	72.5	198.1	40,500*	76.3	193.4	30,800*	95
	100	67.2	198.1	43,200*	71.0	195.7	39,900*	74.8	190.9	29,900*	100
	105	65.7	195.5	42,500*	69.5	193.1	39,300*	73.2	188.3	29,000*	105
	110	64.2	192.8	41,800*	67.9	190.4	38,700*	71.6	185.4	28,300*	110
	115	62.6	189.9	41,100*	66.3	187.5	38,200*	70.0	182.4	27,500*	115
	120	61.0	186.9	40,500*	64.7	184.4	37,700*	68.3	179.2	26,800*	120
	130	57.7	180.1	39,100	61.4	177.5	36,800*	64.9	172.1	25,600*	130
	140	54.3	172.5	34,900	57.9	169.7	34,900*	61.3	164.1	24,400*	140
	150	50.8	163.8	31,200	54.3	160.9	32,100	57.5	155.0	23,500*	150
	160	47.0	154.0	28,100	50.4	150.9	28,800	53.5	144.5	22,600*	160
	170	42.9	142.7	25,300	46.2	139.3	26,000	49.1	132.4	21,800*	170
	180	38.4	129.5	22,900	41.6	125.8	23,400				180
	190	33.4	113.8	20,700	36.4	109.5	21,100				190
140	55	80.6	224.4	51,900*							55
	60	79.3	223.3	50,800*							60
	65	78.0	222.0	49,800*							65
	70	76.6	220.5	48,800*	80.3	218.3	44,200*				70
	75	75.3	219.0	47,900*	79.0	216.7	43,500*				75
	80	73.9	217.3	47,000*	77.6	215.0	42,800*				80
	85	72.5	215.5	46,200*	76.2	213.1	42,100*	79.9	208.4	33,100*	85
	90	71.1	213.5	45,400*	74.8	211.1	41,500*	78.5	206.4	32,100*	90
	95	69.7	211.4	44,600*	73.4	209.0	40,800*	77.0	204.2	31,200*	95
	100	68.3	209.1	43,800*	71.9	206.7	40,200*	75.6	201.8	30,300*	100
	105	66.9	206.7	43,100*	70.5	204.3	39,700*	74.1	199.4	29,500*	105
	110	65.4	204.2	42,400*	69.0	201.7	39,100*	72.6	196.7	28,700*	110
	115	64.0	201.5	41,700*	67.5	199.0	38,600*	71.0	193.9	28,000*	115
	120	62.5	198.6	41,100*	66.0	196.0	38,100*	69.5	190.9	27,300*	120
	130	59.4	192.3	38,400	62.9	189.6	37,200*	66.3	184.3	26,100*	130
	140	56.3	185.1	34,100	59.7	182.4	35,300	63.0	176.8	24,900*	140
	150	52.9	177.1	30,500	56.3	174.3	31,500	59.5	168.4	23,900*	150
	160	49.5	168.1	27,300	52.8	165.1	28,200	55.8	158.8	23,100*	160
	170	45.8	157.9	24,600	49.0	154.7	25,300	51.9	147.9	22,300*	170
	180	41.8	146.2	22,100	44.9	142.7	22,800	47.6	135.3	21,600*	180
	190	37.4	132.6	20,000	40.5	128.7	20,500				190
	200	32.5	116.4	18,000	35.4	111.9	18,400				200
150	60	79.8	233.5	51,200*							60
	65	78.5	232.3	50,200*							65
	70	77.2	230.9	49,300*	80.8	228.6	44,500*				70
	75	75.9	229.4	48,300*	79.5	227.1	43,700*				75
	80	74.6	227.8	47,500*	78.1	225.5	43,100*				80
	85	73.3	226.1	46,600*	76.8	223.7	42,400*	80.4	218.9	33,500*	85
	90	72.0	224.2	45,800*	75.5	221.8	41,800*	79.0	217.0	32,500*	90
	95	70.7	222.2	45,100*	74.1	219.8	41,200*	77.6	214.9	31,600*	95
	100	69.3	220.1	44,300*	72.8	217.7	40,600*	76.3	212.7	30,800*	100
	105	68.0	217.8	43,600*	71.4	215.4	40,000*	74.8	210.3	29,900*	105
	110	66.6	215.4	42,900*	70.0	212.9	39,500*	73.4	207.8	29,200*	110
	115	65.2	212.8	42,300*	68.6	210.3	39,000*	72.0	205.1	28,500*	115
	120	63.8	210.1	41,600*	67.2	207.5	38,500*	70.5	202.3	27,800*	120
	130	60.9	204.2	37,800	64.3	201.5	37,600*	67.5	196.1	26,500*	130
	140	58.0	197.5	33,500	61.3	194.8	34,700	64.4	189.2	25,400*	140
	150	54.9	190.0	29,900	58.1	187.2	30,900	61.2	181.3	24,400*	150
	160	51.6	181.7	26,700	54.9	178.7	27,700	57.8	172.5	23,500*	160
	170	48.3	172.3	23,900	51.4	169.1	24,800	54.2	162.6	22,700*	170
	180	44.7	161.7	21,500	47.7	158.3	22,200	50.4	151.3	22,000*	180
	190	40.8	149.6	19,300	43.7	145.9	19,900	46.2	138.3	20,400	190
	200	36.5	135.6	17,400	39.4	131.5	17,900				200
	210	31.7	119.0	15,600	34.4	114.2	16,000				210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

80 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
160	60	80.2	243.8	51,500*							60
	65	79.0	242.6	50,600*							65
	70	77.8	241.3	49,600*							70
	75	76.5	239.9	48,800*	79.9	237.5	44,000*				75
	80	75.3	238.3	47,900*	78.7	235.9	43,300*				80
	85	74.0	236.7	47,100*	77.4	234.3	42,700*	80.8	229.4	33,800*	85
	90	72.8	234.9	46,300*	76.1	232.5	42,100*	79.5	227.5	32,900*	90
	95	71.5	233.0	45,600*	74.8	230.5	41,500*	78.2	225.5	32,000*	95
	100	70.2	231.0	44,800*	73.6	228.5	40,900*	76.9	223.4	31,100*	100
	105	68.9	228.8	44,100*	72.2	226.3	40,400*	75.5	221.2	30,300*	105
	110	67.6	226.5	43,500*	70.9	224.0	39,800*	74.2	218.8	29,600*	110
	115	66.3	224.1	42,800*	69.6	221.5	39,300*	72.8	216.3	28,900*	115
	120	65.0	221.5	42,100	68.2	218.9	38,800*	71.4	213.6	28,200*	120
	130	62.3	215.9	37,100	65.5	213.2	37,900*	68.6	207.8	27,000*	130
	140	59.5	209.6	32,800	62.7	206.8	34,100	65.7	201.2	25,900*	140
	150	56.6	202.6	29,200	59.7	199.7	30,300	62.7	193.9	24,900*	150
	160	53.6	194.8	26,000	56.7	191.8	27,000	59.5	185.8	24,000*	160
	170	50.4	186.1	23,200	53.5	183.0	24,100	56.2	176.6	23,200*	170
	180	47.1	176.4	20,800	50.1	173.1	21,600	52.7	166.3	22,300	180
	190	43.6	165.4	18,600	46.5	161.9	19,300	49.0	154.6	19,900	190
	200	39.8	153.0	16,600	42.6	149.1	17,200				200
	210	35.7	138.6	14,900	38.4	134.3	15,400				210
	220	31.0	121.5	13,300							220
170	60	80.6	254.0	51,800*							60
	65	79.4	252.9	50,900*							65
	70	78.3	251.6	50,000*							70
	75	77.1	250.3	49,200*	80.3	247.8	44,200*				75
	80	75.9	248.8	48,300*	79.1	246.4	43,600*				80
	85	74.7	247.2	47,500*	77.9	244.8	43,000*				85
	90	73.5	245.5	46,800*	76.7	243.0	42,400*	80.0	238.0	33,200*	90
	95	72.3	243.7	46,000*	75.5	241.2	41,800*	78.7	236.1	32,300*	95
	100	71.1	241.8	45,300*	74.3	239.2	41,200*	77.5	234.1	31,500*	100
	105	69.8	239.7	44,600*	73.0	237.2	40,700*	76.2	232.0	30,700*	105
	110	68.6	237.5	43,900*	71.8	234.9	40,200*	74.9	229.7	30,000*	110
	115	67.3	235.2	43,300*	70.5	232.6	39,700*	73.6	227.3	29,300*	115
	120	66.1	232.7	41,700	69.2	230.1	39,200*	72.3	224.8	28,600*	120
	130	63.5	227.4	36,700	66.6	224.7	38,300*	69.6	219.3	27,400*	130
	140	60.8	221.5	32,400	63.9	218.7	33,800	66.9	213.1	26,300*	140
	150	58.1	214.9	28,800	61.1	212.0	30,000	64.0	206.2	25,300*	150
	160	55.3	207.6	25,600	58.3	204.6	26,700	61.1	198.6	24,400*	160
	170	52.4	199.5	22,800	55.3	196.4	23,800	58.0	190.1	23,600*	170
	180	49.3	190.4	20,400	52.2	187.2	21,300	54.8	180.6	22,100	180
	190	46.1	180.4	18,200	48.9	177.0	19,000	51.3	169.9	19,700	190
	200	42.6	169.1	16,300	45.4	165.4	16,900	47.7	157.8	17,500	200
	210	38.9	156.2	14,500	41.6	152.2	15,100				210
	220	34.9	141.4	12,900	37.4	137.0	13,400				220
	230	30.3	123.9	11,400							230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

80 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
180	60	81.0	264.2	52,100*							60
	65	79.8	263.1	51,200*							65
	70	78.7	261.9	50,400*							70
	75	77.6	260.6	49,500*	80.7	258.2	44,400*				75
	80	76.5	259.2	48,700*	79.6	256.7	43,800*				80
	85	75.3	257.7	47,900*	78.4	255.2	43,200*				85
	90	74.2	256.1	47,200*	77.3	253.6	42,600*	80.4	248.5	33,500*	90
	95	73.0	254.3	46,400*	76.1	251.8	42,000*	79.2	246.7	32,700*	95
	100	71.8	252.5	45,700*	74.9	249.9	41,500*	78.0	244.8	31,900*	100
	105	70.7	250.5	42,100	73.7	247.9	41,000*	76.8	242.7	31,100*	105
	110	69.5	248.4	38,700	72.5	245.8	40,500*	75.5	240.6	30,400*	110
	115	68.3	246.2	35,600	71.3	243.6	38,200	74.3	238.3	29,700*	115
	120	67.1	243.9	32,800	70.1	241.2	35,200	73.1	235.9	29,000*	120
	130	64.6	238.8	27,900	67.6	236.1	30,100	70.5	230.6	27,800*	130
	140	62.1	233.2	23,800	65.1	230.4	25,700	67.9	224.7	26,700*	140
	150	59.5	226.9	20,200	62.4	224.1	22,000	65.2	218.3	23,700	150
	160	56.9	220.0	17,200	59.7	217.1	18,700	62.5	211.1	20,300	160
	170	54.1	212.4	14,500	57.0	209.4	15,900	59.6	203.1	17,200	170
	180	51.2	204.0	12,100	54.0	200.8	13,400	56.6	194.3	14,500	180
	190	48.3	194.7	10,000	51.0	191.3	11,100	53.4	184.4	12,100	190
	200	45.1	184.3	8,100	47.8	180.7	9,100	50.1	173.4	9,900	200
	210	41.7	172.6	6,400	44.3	168.8	7,200	46.5	160.9	7,900	210
	220	38.1	159.4	4,800	40.6	155.3	5,600				220
	230				36.5	139.6	4,000				230
190	65	80.2	273.4	51,500*							65
	70	79.1	272.2	50,700*							70
	75	78.1	271.0	49,900*							75
	80	77.0	269.6	49,100*	80.0	267.1	44,000*				80
	85	75.9	268.2	48,300*	78.9	265.6	43,400*				85
	90	74.8	266.6	47,600*	77.7	264.1	42,800*	80.8	258.9	33,800*	90
	95	73.7	264.9	46,800*	76.6	262.4	42,300*	79.6	257.2	33,000*	95
	100	72.5	263.2	45,100	75.5	260.6	41,800*	78.5	255.3	32,200*	100
	105	71.4	261.3	41,300	74.4	258.7	41,300*	77.3	253.4	31,400*	105
	110	70.3	259.3	37,900	73.2	256.6	40,800*	76.1	251.3	30,700*	110
	115	69.1	257.1	34,800	72.0	254.5	37,500	75.0	249.1	30,000*	115
	120	68.0	254.9	32,000	70.9	252.2	34,600	73.8	246.8	29,400*	120
	130	65.6	250.1	27,100	68.5	247.3	29,400	71.3	241.8	28,200*	130
	140	63.2	244.7	23,000	66.1	241.9	25,000	68.9	236.3	27,100*	140
	150	60.8	238.8	19,400	63.6	235.9	21,300	66.3	230.1	23,100	150
	160	58.3	232.2	16,300	61.1	229.3	18,000	63.7	223.3	19,600	160
	170	55.7	225.1	13,600	58.4	222.0	15,100	61.0	215.8	16,600	170
	180	53.0	217.2	11,300	55.7	214.0	12,600	58.2	207.5	13,900	180
	190	50.2	208.4	9,200	52.9	205.1	10,400	55.2	198.4	11,500	190
	200	47.3	198.8	7,300	49.9	195.3	8,300	52.1	188.2	9,300	200
	210	44.2	188.1	5,500	46.7	184.4	6,500	48.9	176.8	7,300	210
	220	40.9	176.1	4,000	43.4	172.2	4,800				220
200	65	80.6	283.6	51,800*							65
	70	79.5	282.5	51,000*							70
	75	78.5	281.3	50,200*							75
	80	77.4	280.0	49,400*	80.3	277.4	44,200*				80
	85	76.4	278.6	48,700*	79.3	276.0	43,600*				85
	90	75.3	277.1	47,900*	78.2	274.5	43,100*				90
	95	74.3	275.5	47,200*	77.1	272.9	42,500*	80.0	267.6	33,300*	95
	100	73.2	273.8	44,200	76.0	271.2	42,000*	78.9	265.9	32,500*	100
	105	72.1	272.0	40,400	74.9	269.3	41,500*	77.8	264.0	31,700*	105
	110	71.0	270.0	37,000	73.8	267.4	40,000	76.7	262.0	31,000*	110
	115	69.9	268.0	33,900	72.7	265.3	36,800	75.5	259.9	30,400*	115
	120	68.8	265.9	31,100	71.6	263.2	33,800	74.4	257.7	29,700*	120
	130	66.6	261.2	26,200	69.4	258.5	28,600	72.1	252.9	28,500*	130
	140	64.3	256.1	22,000	67.0	253.3	24,200	69.7	247.6	26,400	140
	150	61.9	250.5	18,500	64.7	247.6	20,400	67.3	241.8	22,400	150
	160	59.6	244.2	15,400	62.3	241.3	17,200	64.8	235.3	18,900	160
	170	57.1	237.4	12,700	59.8	234.4	14,300	62.3	228.3	15,800	170
	180	54.6	230.0	10,300	57.2	226.8	11,800	59.6	220.5	13,100	180
	190	51.9	221.8	8,200	54.5	218.5	9,500	56.9	211.9	10,700	190
	200	49.2	212.8	6,300	51.7	209.4	7,500	54.0	202.4	8,500	200
	210	46.3	202.8	4,600	48.8	199.3	5,600	51.0	191.9	6,500	210
	220							47.7	180.2	4,700	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

80 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
210	65	80.9	293.8	52,100*							65
	70	79.9	292.7	51,300*							70
	75	78.9	291.6	50,500*							75
	80	77.9	290.3	49,700*	80.7	287.7	44,400*				80
	85	76.9	289.0	49,000*	79.7	286.4	43,800*				85
	90	75.8	287.5	48,300*	78.6	284.9	43,300*				90
	95	74.8	286.0	47,600*	77.6	283.4	42,800*	80.4	278.1	33,500*	95
	100	73.8	284.3	43,700	76.5	281.7	42,300*	79.3	276.4	32,800*	100
	105	72.7	282.6	39,900	75.5	279.9	41,800*	78.3	274.6	32,000*	105
	110	71.7	280.8	36,500	74.4	278.1	39,600	77.2	272.7	31,300*	110
	115	70.6	278.8	33,400	73.4	276.1	36,300	76.1	270.7	30,700*	115
	120	69.6	276.7	30,600	72.3	274.0	33,400	75.0	268.5	30,100*	120
	130	67.4	272.3	25,600	70.1	269.5	28,200	72.8	264.0	28,900*	130
	140	65.2	267.4	21,500	67.9	264.6	23,800	70.5	258.9	26,000	140
	150	63.0	262.0	17,900	65.7	259.1	20,000	68.2	253.3	22,000	150
	160	60.7	256.1	14,900	63.4	253.1	16,700	65.8	247.2	18,500	160
	170	58.4	249.6	12,200	61.0	246.6	13,800	63.4	240.4	15,400	170
	180	56.0	242.5	9,800	58.5	239.4	11,300	60.9	233.1	12,700	180
	190	53.5	234.8	7,700	56.0	231.6	9,000	58.3	225.0	10,300	190
	200	50.9	226.3	5,800	53.4	223.0	7,000	55.6	216.1	8,100	200
	210	48.2	217.0	4,000	50.7	213.5	5,100	52.8	206.4	6,100	210
220	70	80.2	303.0	51,600*							70
	75	79.3	301.8	50,800*							75
	80	78.3	300.6	50,000*							80
	85	77.3	299.3	49,300*	80.0	296.7	44,000*				85
	90	76.3	297.9	48,600*	79.0	295.3	43,500*				90
	95	75.3	296.4	47,100	78.0	293.8	43,000*	80.7	288.5	33,800*	95
	100	74.3	294.9	42,800	77.0	292.2	42,500*	79.7	286.8	33,000*	100
	105	73.3	293.2	39,000	76.0	290.5	42,000*	78.7	285.1	32,300*	105
	110	72.3	291.4	35,600	75.0	288.7	38,900	77.6	283.3	31,600*	110
	115	71.3	289.5	32,500	74.0	286.8	35,600	76.6	281.3	31,000*	115
	120	70.3	287.6	29,700	72.9	284.8	32,600	75.5	279.3	30,400*	120
	130	68.2	283.3	24,800	70.8	280.5	27,400	73.4	274.9	29,200*	130
	140	66.1	278.6	20,600	68.7	275.7	23,000	71.2	270.0	25,400	140
	150	64.0	273.4	17,000	66.6	270.5	19,200	69.0	264.7	21,300	150
	160	61.8	267.8	13,900	64.4	264.8	15,900	66.8	258.8	17,800	160
	170	59.6	261.6	11,200	62.1	258.6	13,000	64.5	252.4	14,700	170
	180	57.3	254.8	8,800	59.8	251.7	10,500	62.1	245.4	12,000	180
	190	54.9	247.5	6,700	57.4	244.3	8,200	59.6	237.8	9,600	190
	200	52.5	239.5	4,800	54.9	236.2	6,100	57.1	229.5	7,400	200
	210				52.4	227.3	4,300	54.5	220.3	5,400	210
230	70	80.6	313.2	51,800*							70
	75	79.6	312.1	51,100*							75
	80	78.7	310.9	50,300*							80
	85	77.7	309.7	49,600*	80.3	307.0	44,200*				85
	90	76.8	308.3	48,900*	79.4	305.7	43,700*				90
	95	75.8	306.9	46,300	78.4	304.2	43,200*				95
	100	74.9	305.4	42,100	77.5	302.7	42,700*	80.1	297.2	33,300*	100
	105	73.9	303.7	38,200	76.5	301.0	41,900	79.1	295.6	32,600*	105
	110	72.9	302.0	34,800	75.5	299.3	38,300	78.1	293.8	31,900*	110
	115	71.9	300.2	31,700	74.5	297.5	35,000	77.1	292.0	31,300*	115
	120	71.0	298.3	28,900	73.5	295.6	32,000	76.1	290.0	30,700*	120
	130	69.0	294.2	23,900	71.5	291.4	26,700	74.0	285.8	29,500*	130
	140	67.0	289.7	19,800	69.5	286.8	22,300	71.9	281.1	24,700	140
	150	64.9	284.7	16,200	67.4	281.8	18,500	69.8	276.0	20,700	150
	160	62.8	279.3	13,100	65.3	276.3	15,200	67.6	270.4	17,200	160
	170	60.7	273.4	10,400	63.1	270.4	12,300	65.4	264.3	14,100	170
	180	58.5	267.0	8,000	60.9	263.9	9,700	63.2	257.6	11,300	180
	190	56.3	260.0	5,900	58.6	256.8	7,400	60.8	250.3	8,900	190
	200	53.9	252.4	4,000	56.3	249.1	5,400	58.4	242.4	6,700	200
	210							56.0	233.8	4,700	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

80 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
240	70	80.9	323.4	52,100*							70
	75	80.0	322.3	51,300*							75
	80	79.0	321.2	50,600*							80
	85	78.1	320.0	49,900*	80.7	317.3	44,400*				85
	90	77.2	318.7	49,200*	79.7	316.0	43,900*				90
	95	76.3	317.3	45,500	78.8	314.6	43,400*				95
	100	75.3	315.8	41,200	77.9	313.1	42,900*	80.4	307.6	33,600*	100
	105	74.4	314.3	37,400	76.9	311.5	41,200	79.4	306.0	32,900*	105
	110	73.5	312.6	33,900	76.0	309.9	37,500	78.5	304.3	32,200*	110
	115	72.5	310.9	30,800	75.0	308.1	34,200	77.5	302.5	31,600*	115
	120	71.6	309.0	28,000	74.1	306.2	31,200	76.5	300.6	31,000*	120
	130	69.7	305.1	23,000	72.1	302.2	25,900	74.6	296.6	28,800	130
	140	67.7	300.7	18,900	70.2	297.8	21,500	72.6	292.1	24,100	140
	150	65.8	295.9	15,300	68.2	293.0	17,700	70.5	287.2	20,000	150
	160	63.7	290.7	12,200	66.1	287.8	14,300	68.4	281.8	16,500	160
250	170	61.7	285.1	9,500	64.1	282.0	11,400	66.3	275.9	13,300	170
	180	59.6	278.9	7,100	62.0	275.8	8,900	64.2	269.6	10,600	180
	190	57.5	272.2	4,900	59.8	269.1	6,600	61.9	262.7	8,100	190
	200				57.6	261.7	4,500	59.7	255.2	5,900	200
	75	80.3	332.5	51,600*							75
	80	79.4	331.4	50,900*							80
	85	78.5	330.3	50,200*	80.9	327.6	44,500*				85
	90	77.6	329.0	49,500*	80.1	326.3	44,000*				90
	95	76.7	327.7	46,000	79.1	324.9	43,500*				95
	100	75.8	326.2	41,700	78.2	323.5	43,100*	80.7	318.0	33,800*	100
250	105	74.9	324.7	37,900	77.3	322.0	41,600	79.8	316.5	33,100*	105
	110	74.0	323.1	34,400	76.4	320.4	38,000	78.8	314.8	32,500*	110
	115	73.1	321.4	31,300	75.5	318.7	34,700	77.9	313.1	31,800*	115
	120	72.2	319.7	28,500	74.6	316.9	31,700	77.0	311.3	31,200*	120
	130	70.3	315.8	23,600	72.7	313.0	26,400	75.1	307.3	29,300	130
	140	68.4	311.6	19,400	70.8	308.8	22,000	73.1	303.0	24,500	140
	150	66.5	307.0	15,800	68.9	304.1	18,200	71.2	298.3	20,500	150
	160	64.6	302.0	12,700	66.9	299.1	14,800	69.2	293.1	16,900	160
	170	62.6	296.6	10,000	65.0	293.6	12,000	67.2	287.5	13,800	170
	180	60.6	290.7	7,600	62.9	287.6	9,400	65.1	281.4	11,100	180
	190	58.6	284.3	5,500	60.9	281.2	7,100	63.0	274.8	8,700	190
	200				58.7	274.2	5,100	60.8	267.6	6,500	200
	210							58.5	259.9	4,500	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

100 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
130	60	80.1	233.6	40,500*							60
	65	78.9	232.4	39,600*							65
	70	77.6	231.0	38,800*							70
	75	76.3	229.5	38,000*	80.8	227.1	34,500*				75
	80	75.0	227.9	37,300*	79.4	225.5	33,900*				80
	85	73.7	226.2	36,500*	78.1	223.8	33,200*				85
	90	72.4	224.3	35,800*	76.8	221.9	32,500*				90
	95	71.0	222.3	35,100*	75.4	219.9	31,800*	80.3	215.2	26,800*	95
	100	69.7	220.2	34,400*	74.1	217.7	31,200*	78.9	213.0	26,100*	100
	105	68.3	217.9	33,800*	72.7	215.4	30,500*	77.5	210.7	25,400*	105
	110	67.0	215.5	33,100*	71.3	213.0	29,900*	76.1	208.2	24,600*	110
	115	65.6	212.9	32,300*	69.9	210.3	29,300*	74.6	205.6	24,000*	115
	120	64.2	210.2	31,700*	68.5	207.6	28,800*	73.2	202.8	23,300*	120
	130	61.3	204.2	30,300*	65.6	201.6	27,700*	70.2	196.7	22,100*	130
	140	58.3	197.6	29,100*	62.6	194.8	26,700*	67.1	189.8	21,100*	140
	150	55.2	190.1	27,900*	59.4	187.2	25,700*	63.9	182.1	20,100*	150
	160	52.0	181.8	26,800*	56.2	178.7	24,800*	60.5	173.4	19,300*	160
	170	48.6	172.4	25,800*	52.7	169.2	24,100*	56.9	163.6	18,500*	170
	180	45.0	161.8	23,400*	49.0	158.4	23,200*	53.1	152.4	17,800*	180
	190	41.2	149.7	21,200*	45.1	146.0	21,900*	49.0	139.6	17,200*	190
	200	36.9	135.8	19,300*	40.7	131.6	19,900*				200
	210	32.1	119.1	17,500*	35.7	114.3	18,000*				210
140	60	80.5	243.9	40,800*							60
	65	79.3	242.7	39,900*							65
	70	78.1	241.4	39,100*							70
	75	76.9	239.9	38,400*							75
	80	75.6	238.4	37,600*	79.9	236.0	34,100*				80
	85	74.4	236.8	36,900*	78.6	234.3	33,500*				85
	90	73.1	235.0	36,200*	77.4	232.5	32,800*				90
	95	71.9	233.1	35,600*	76.1	230.6	32,100*	80.7	225.7	26,900*	95
	100	70.6	231.0	34,900*	74.8	228.5	31,500*	79.4	223.7	26,500*	100
	105	69.3	228.9	34,200*	73.5	226.3	30,900*	78.1	221.5	25,700*	105
	110	68.0	226.6	33,600*	72.2	224.0	30,300*	76.7	219.1	25,000*	110
	115	66.7	224.1	32,900*	70.8	221.5	29,700*	75.4	216.6	24,300*	115
	120	65.3	221.6	32,200*	69.5	218.9	29,200*	74.0	214.0	23,700*	120
	130	62.6	215.9	30,900*	66.7	213.2	28,100*	71.2	208.2	22,500*	130
	140	59.8	209.7	29,700*	63.9	206.8	27,100*	68.3	201.7	21,500*	140
	150	56.9	202.7	28,500*	61.0	199.8	26,200*	65.3	194.5	20,500*	150
	160	53.9	194.9	27,400*	57.9	191.9	25,300*	62.1	186.4	19,700*	160
	170	50.8	186.2	25,100*	54.7	183.0	24,500*	58.8	177.4	18,900*	170
	180	47.5	176.5	22,700*	51.4	173.1	23,600*	55.3	167.2	18,200*	180
	190	44.0	165.5	20,500*	47.8	161.9	21,300*	51.6	155.6	17,600*	190
	200	40.2	153.1	18,600*	43.9	149.1	19,200*	47.5	142.3	17,100*	200
	210	36.0	138.7	16,800*	39.6	134.3	17,400*				210
	220	31.3	121.6	15,200*	34.7	116.5	15,700*				220
150	60	80.9	254.1	41,000*							60
	65	79.8	252.9	40,200*							65
	70	78.6	251.7	39,500*							70
	75	77.4	250.3	38,700*							75
	80	76.2	248.9	38,000*	80.3	246.3	34,300*				80
	85	75.0	247.3	37,300*	79.1	244.7	33,700*				85
	90	73.8	245.6	36,600*	77.9	243.0	33,100*				90
	95	72.6	243.8	36,000*	76.7	241.2	32,400*				95
	100	71.4	241.8	35,300*	75.4	239.2	31,800*	79.9	234.3	26,600*	100
	105	70.2	239.8	34,700*	74.2	237.1	31,200*	78.6	232.1	26,000*	105
	110	68.9	237.6	34,100*	72.9	234.9	30,700*	77.3	229.9	25,300*	110
	115	67.7	235.3	33,400*	71.7	232.6	30,100*	76.0	227.5	24,600*	115
	120	66.4	232.8	32,800*	70.4	230.1	29,500*	74.7	225.0	24,000*	120
	130	63.8	227.5	31,500*	67.8	224.7	28,500*	72.1	219.5	22,900*	130
	140	61.2	221.5	30,300*	65.1	218.7	27,500*	69.3	213.4	21,800*	140
	150	58.5	215.0	29,100*	62.3	212.0	26,600*	66.5	206.6	20,900*	150
	160	55.6	207.6	27,300*	59.5	204.6	25,700*	63.5	199.1	20,000*	160
	170	52.7	199.5	24,500*	56.5	196.4	24,900*	60.5	190.7	19,300*	170
	180	49.6	190.5	22,100*	53.4	187.2	23,000*	57.2	181.3	18,600*	180
	190	46.4	180.5	19,900*	50.1	176.9	20,700*	53.8	170.7	18,000*	190
	200	43.0	169.2	17,900*	46.6	165.4	18,700*	50.2	158.7	17,400*	200
	210	39.3	156.4	16,200*	42.8	152.2	16,800*	46.2	145.0	16,900*	210
	220	35.2	141.6	14,600*	38.6	136.9	15,100*				220
	230	30.6	124.1	13,100*	33.8	118.7	13,500*				230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

100 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
160	65	80.2	263.2	40,500*							65
	70	79.0	262.0	39,700*							70
	75	77.9	260.7	39,000*							75
	80	76.8	259.3	38,300*	80.7	256.7	34,500*				80
	85	75.6	257.8	37,600*	79.6	255.2	33,900*				85
	90	74.5	256.1	37,000*	78.4	253.5	33,300*				90
	95	73.3	254.4	36,300*	77.2	251.8	32,700*				95
	100	72.2	252.6	35,700*	76.0	249.9	32,100*	80.3	244.8	26,800*	100
	105	71.0	250.6	35,100*	74.9	247.9	31,500*	79.1	242.8	26,300*	105
	110	69.8	248.5	34,500*	73.7	245.8	31,000*	77.9	240.6	25,600*	110
	115	68.6	246.3	33,900*	72.4	243.5	30,400*	76.6	238.4	25,000*	115
	120	67.4	243.9	33,300*	71.2	241.2	29,900*	75.4	236.0	24,300*	120
	130	64.9	238.9	30,100	68.7	236.0	28,800*	72.8	230.8	23,200*	130
	140	62.4	233.2	26,000	66.2	230.3	27,900*	70.2	225.0	22,200*	140
	150	59.8	227.0	22,400	63.6	224.0	24,400	67.6	218.6	21,200*	150
	160	57.2	220.1	19,400	60.9	217.0	21,100	64.8	211.4	20,400*	160
	170	54.4	212.5	16,700	58.1	209.3	18,300	61.9	203.6	19,600*	170
	180	51.6	204.1	14,300	55.2	200.8	15,700	58.9	194.8	17,300	180
	190	48.6	194.8	12,200	52.1	191.3	13,500	55.8	185.1	14,900	190
	200	45.4	184.4	10,300	48.9	180.7	11,400	52.4	174.1	12,600	200
170	210	42.1	172.7	8,600	45.5	168.8	9,600	48.9	161.8	10,600	210
	220	38.4	159.5	7,000	41.8	155.2	7,900	45.0	147.7	8,800	220
	230	34.5	144.4	5,600	37.7	139.5	6,300				230
	240	30.0	126.4	4,300							240
	65	80.5	273.4	40,800*							65
	70	79.5	272.3	40,000*							70
	75	78.4	271.0	39,300*							75
	80	77.3	269.7	38,600*							80
	85	76.2	268.2	38,000*	80.0	265.6	34,100*				85
	90	75.1	266.7	37,300*	78.8	264.0	33,600*				90
180	95	74.0	265.0	36,700*	77.7	262.3	33,000*				95
	100	72.8	263.2	36,100*	76.6	260.5	32,400*	80.7	255.3	26,900*	100
	105	71.7	261.3	35,500*	75.5	258.6	31,800*	79.5	253.4	26,500*	105
	110	70.6	259.3	34,900*	74.3	256.6	31,300*	78.4	251.3	25,900*	110
	115	69.4	257.2	34,300*	73.1	254.4	30,700*	77.2	249.1	25,300*	115
	120	68.3	255.0	33,800*	72.0	252.2	30,200*	76.0	246.9	24,600*	120
	130	65.9	250.1	29,600	69.6	247.3	29,200*	73.6	241.9	23,500*	130
	140	63.5	244.8	25,500	67.2	241.8	27,700	71.1	236.4	22,500*	140
	150	61.1	238.8	21,900	64.7	235.8	24,000	68.6	230.3	21,600*	150
	160	58.6	232.3	18,900	62.2	229.2	20,700	65.9	223.6	20,700*	160
190	170	56.0	225.1	16,200	59.5	221.9	17,800	63.2	216.1	19,700	170
	180	53.3	217.2	13,800	56.8	213.9	15,300	60.4	207.9	17,000	180
	190	50.5	208.5	11,700	54.0	205.1	13,000	57.5	198.9	14,500	190
	200	47.6	198.9	9,800	51.0	195.2	11,000	54.4	188.8	12,300	200
	210	44.5	188.2	8,100	47.8	184.3	9,200	51.1	177.5	10,300	210
	220	41.2	176.2	6,500	44.5	172.1	7,500	47.6	164.8	8,500	220
	230	37.6	162.7	5,100	40.8	158.2	5,900				230
	240				36.8	142.1	4,500				240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE
JIB NO. 132 WITH 20' STRUT ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING

100 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
180	65	80.9	283.7	41,000*							65
	70	79.8	282.5	40,300*							70
	75	78.8	281.3	39,600*							75
	80	77.7	280.0	38,900*							80
	85	76.7	278.6	38,300*	80.3	275.9	34,300*				85
	90	75.6	277.1	37,600*	79.3	274.4	33,800*				90
	95	74.6	275.5	37,000*	78.2	272.8	33,200*				95
	100	73.5	273.8	36,400*	77.1	271.1	32,700*				100
	105	72.4	272.0	35,800*	76.0	269.2	32,100*	80.0	263.9	26,600*	105
	110	71.3	270.1	35,300*	74.9	267.3	31,600*	78.8	261.9	26,100*	110
	115	70.2	268.1	34,700*	73.8	265.2	31,000*	77.7	259.9	25,500*	115
	120	69.1	265.9	33,600	72.7	263.1	30,500*	76.6	257.7	24,900*	120
	130	66.9	261.3	28,700	70.4	258.4	29,500*	74.2	252.9	23,800*	130
	140	64.6	256.2	24,600	68.1	253.2	27,000	71.9	247.7	22,800*	140
	150	62.2	250.5	21,000	65.7	247.5	23,200	69.5	241.9	21,900*	150
	160	59.8	244.3	17,900	63.3	241.2	19,900	67.0	235.5	21,100*	160
	170	57.4	237.5	15,200	60.8	234.3	17,000	64.4	228.5	19,000	170
	180	54.9	230.0	12,900	58.2	226.7	14,500	61.8	220.7	16,300	180
	190	52.2	221.9	10,800	55.6	218.4	12,200	59.0	212.2	13,800	190
	200	49.5	212.9	8,900	52.8	209.3	10,200	56.1	202.8	11,600	200
	210	46.6	202.9	7,100	49.9	199.1	8,300	53.1	192.4	9,600	210
	220	43.6	191.9	5,600	46.8	187.9	6,600	49.9	180.8	7,700	220
	230	40.4	179.6	4,200	43.5	175.3	5,100	46.5	167.7	6,000	230
190	70	80.2	292.8	40,500*							70
	75	79.2	291.6	39,800*							75
	80	78.2	290.4	39,200*							80
	85	77.2	289.0	38,600*	80.7	286.3	34,500*				85
	90	76.1	287.6	37,900*	79.6	284.8	34,000*				90
	95	75.1	286.0	37,300*	78.6	283.2	33,400*				95
	100	74.1	284.4	36,800*	77.6	281.6	32,900*				100
	105	73.0	282.7	36,200*	76.5	279.8	32,300*	80.3	274.4	26,800*	105
	110	72.0	280.8	35,600*	75.5	278.0	31,800*	79.2	272.5	26,400*	110
	115	70.9	278.9	35,100*	74.4	276.0	31,300*	78.2	270.5	25,800*	115
	120	69.9	276.8	32,800	73.3	273.9	30,800*	77.1	268.4	25,200*	120
	130	67.7	272.4	27,900	71.1	269.4	29,800*	74.8	263.9	24,100*	130
	140	65.5	267.4	23,700	68.9	264.5	26,300	72.6	258.8	23,100*	140
	150	63.3	262.1	20,200	66.7	259.0	22,500	70.3	253.3	22,200*	150
	160	61.0	256.1	17,100	64.4	253.0	19,200	67.9	247.2	21,400*	160
	170	58.7	249.7	14,400	62.0	246.5	16,300	65.5	240.5	18,400	170
	180	56.3	242.6	12,000	59.6	239.3	13,800	63.0	233.2	15,700	180
	190	53.8	234.9	9,900	57.0	231.4	11,500	60.4	225.2	13,200	190
	200	51.2	226.4	8,000	54.4	222.8	9,400	57.7	216.4	11,000	200
	210	48.5	217.1	6,300	51.7	213.4	7,600	54.9	206.7	8,900	210
	220	45.7	206.9	4,700	48.8	203.0	5,900	51.9	196.0	7,100	220
	230				45.8	191.4	4,300	48.8	184.1	5,400	230
200	70	80.5	303.0	40,800*							70
	75	79.5	301.9	40,100*							75
	80	78.6	300.7	39,400*							80
	85	77.6	299.4	38,800*							85
	90	76.6	298.0	38,200*	80.0	295.2	34,100*				90
	95	75.6	296.5	37,600*	79.0	293.7	33,700*				95
	100	74.6	294.9	37,100*	78.0	292.1	33,100*				100
	105	73.6	293.2	36,500*	77.0	290.4	32,600*	80.7	284.8	26,900*	105
	110	72.6	291.5	36,000*	76.0	288.6	32,100*	79.6	283.0	26,500*	110
	115	71.6	289.6	34,700	74.9	286.7	31,600*	78.6	281.1	26,000*	115
	120	70.6	287.6	31,900	73.9	284.7	31,100*	77.5	279.1	25,500*	120
	130	68.5	283.3	27,000	71.8	280.4	30,000	75.4	274.7	24,400*	130
	140	66.4	278.6	22,800	69.7	275.6	25,500	73.2	269.9	23,400*	140
	150	64.3	273.5	19,300	67.5	270.4	21,700	71.0	264.6	22,500*	150
	160	62.1	267.8	16,200	65.3	264.7	18,400	68.8	258.8	20,900	160
	170	59.9	261.6	13,500	63.1	258.4	15,500	66.5	252.5	17,700	170
	180	57.6	254.9	11,100	60.8	251.6	12,900	64.1	245.5	15,000	180
	190	55.2	247.6	9,000	58.4	244.2	10,600	61.6	237.9	12,500	190
	200	52.8	239.6	7,100	55.9	236.0	8,600	59.1	229.6	10,200	200
	210	50.3	230.8	5,300	53.3	227.2	6,700	56.5	220.5	8,200	210
	220				50.7	217.4	5,000	53.7	210.5	6,400	220
	230							50.8	199.5	4,700	230

MANITOWOC ENGINEERING CO.

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LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

100 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
210	70	80.8	313.2	41,000*							70
	75	79.9	312.1	40,300*							75
	80	78.9	311.0	39,700*							80
	85	78.0	309.7	39,100*							85
	90	77.0	308.4	38,500*	80.3	305.5	34,300*				90
	95	76.1	306.9	37,900*	79.4	304.1	33,800*				95
	100	75.1	305.4	37,300*	78.4	302.5	33,300*				100
	105	74.2	303.8	36,800*	77.4	300.9	32,800*	81.0	295.3	27,000*	105
	110	73.2	302.1	36,300*	76.4	299.2	32,300*	80.0	293.5	26,600*	110
	115	72.2	300.3	34,200	75.5	297.3	31,800*	79.0	291.7	26,300*	115
	120	71.2	298.4	31,400	74.5	295.4	31,300*	78.0	289.7	25,700*	120
	130	69.2	294.3	26,400	72.5	291.3	29,600	75.9	285.5	24,600*	130
	140	67.2	289.7	22,300	70.4	286.7	25,100	73.8	280.9	23,700*	140
	150	65.2	284.8	18,700	68.3	281.7	21,300	71.7	275.8	22,800*	150
	160	63.1	279.4	15,600	66.2	276.2	17,900	69.6	270.3	20,500	160
	170	61.0	273.4	12,900	64.1	270.2	15,000	67.4	264.2	17,400	170
	180	58.8	267.0	10,500	61.9	263.7	12,500	65.1	257.6	14,600	180
	190	56.5	260.0	8,400	59.6	256.6	10,200	62.8	250.4	12,100	190
	200	54.2	252.4	6,500	57.2	248.9	8,100	60.4	242.5	9,800	200
	210	51.8	244.2	4,800	54.8	240.5	6,300	57.9	233.9	7,800	210
	220				52.3	231.4	4,600	55.3	224.6	6,000	220
	230							52.6	214.3	4,300	230
220	75	80.2	322.4	40,500*							75
	80	79.3	321.2	39,900*							80
	85	78.4	320.0	39,300*							85
	90	77.5	318.7	38,700*	80.7	315.8	34,500*				90
	95	76.5	317.3	38,200*	79.7	314.4	34,000*				95
	100	75.6	315.9	37,600*	78.8	312.9	33,500*				100
	105	74.7	314.3	37,100*	77.8	311.4	33,000*				105
	110	73.7	312.6	36,500	76.9	309.7	32,500*	80.3	304.0	26,800*	110
	115	72.8	310.9	33,300	75.9	307.9	32,100*	79.4	302.2	26,400*	115
	120	71.8	309.1	30,500	75.0	306.1	31,600*	78.4	300.3	25,900*	120
	130	69.9	305.1	25,600	73.0	302.1	28,800	76.4	296.3	24,900*	130
	140	68.0	300.7	21,400	71.1	297.7	24,400	74.4	291.8	23,900*	140
	150	66.0	296.0	17,800	69.1	292.9	20,500	72.4	286.9	23,000*	150
	160	64.0	290.8	14,700	67.1	287.6	17,200	70.3	281.6	19,900	160
	170	62.0	285.1	12,000	65.0	281.9	14,300	68.2	275.8	16,700	170
	180	59.9	279.0	9,600	62.9	275.6	11,700	66.0	269.5	13,900	180
	190	57.7	272.3	7,500	60.7	268.9	9,400	63.8	262.6	11,400	190
	200	55.5	265.1	5,600	58.5	261.6	7,300	61.5	255.1	9,100	200
	210				56.2	253.6	5,400	59.2	247.0	7,100	210
	220							56.7	238.2	5,300	220
230	75	80.5	332.6	40,700*							75
	80	79.6	331.5	40,100*							80
	85	78.7	330.3	39,600*							85
	90	77.8	329.1	39,000*	80.9	326.1	34,600*				90
	95	77.0	327.7	38,400*	80.0	324.8	34,100*				95
	100	76.1	326.3	37,900*	79.1	323.3	33,700*				100
	105	75.2	324.8	37,400*	78.2	321.8	33,200*				105
	110	74.2	323.2	35,700	77.3	320.2	32,700*	80.6	314.4	26,900*	110
	115	73.3	321.5	32,600	76.4	318.5	32,300*	79.7	312.7	26,500*	115
	120	72.4	319.7	29,700	75.5	316.7	31,800*	78.8	310.9	26,100*	120
	130	70.6	315.9	24,800	73.6	312.8	28,200	76.9	307.0	25,100*	130
	140	68.7	311.7	20,600	71.7	308.6	23,700	74.9	302.7	24,200*	140
	150	66.8	307.1	17,000	69.8	303.9	19,800	73.0	298.0	22,900	150
	160	64.9	302.1	13,900	67.8	298.9	16,500	71.0	292.9	19,300	160
	170	62.9	296.7	11,200	65.8	293.4	13,500	68.9	287.3	16,100	170
	180	60.9	290.8	8,800	63.8	287.4	10,900	66.9	281.2	13,300	180
	190	58.8	284.4	6,600	61.7	281.0	8,600	64.8	274.6	10,800	190
	200	56.7	277.5	4,700	59.6	274.0	6,600	62.6	267.5	8,500	200
	210				57.4	266.4	4,700	60.3	259.8	6,500	210
	220							58.0	251.4	4,600	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

100 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
240	75	80.8	342.8	40,900*							75
	80	79.9	341.7	40,400*							80
	85	79.1	340.6	39,800*							85
	90	78.2	339.4	39,200*							90
	95	77.3	338.1	38,700*	80.3	335.1	34,300*				95
	100	76.5	336.7	38,100*	79.5	333.7	33,900*				100
	105	75.6	335.2	37,600*	78.6	332.2	33,400*				105
	110	74.7	333.7	34,800	77.7	330.7	32,900*	80.9	324.8	27,000*	110
	115	73.8	332.1	31,700	76.8	329.0	32,500*	80.0	323.1	26,600*	115
	120	73.0	330.3	28,900	75.9	327.3	32,000*	79.1	321.4	26,300*	120
	130	71.2	326.6	23,900	74.1	323.6	27,500	77.3	317.6	25,300*	130
	140	69.4	322.6	19,700	72.3	319.5	22,900	75.4	313.5	24,400*	140
	150	67.5	318.1	16,100	70.4	315.0	19,100	73.5	308.9	22,300	150
	160	65.7	313.3	13,000	68.6	310.1	15,700	71.6	304.0	18,700	160
	170	63.8	308.1	10,300	66.6	304.8	12,700	69.7	298.6	15,400	170
	180	61.8	302.4	7,900	64.7	299.1	10,100	67.7	292.8	12,600	180
	190	59.9	296.3	5,700	62.7	292.9	7,800	65.6	286.5	10,100	190
	200				60.7	286.2	5,700	63.6	279.7	7,800	200
	210							61.4	272.4	5,700	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

120 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
130	60	80.9	254.2	32,800*							60
	65	79.7	253.1	32,100*							65
	70	78.6	251.8	31,200*							70
	75	77.4	250.5	30,400*							75
	80	76.2	249.0	29,600*							80
	85	75.0	247.4	28,800*	80.2	245.5	23,900*				85
	90	73.8	245.7	28,100*	79.0	243.8	23,200*				90
	95	72.6	243.9	27,300*	77.8	242.0	22,600*				95
	100	71.4	242.0	26,600*	76.6	240.1	22,100*				100
	105	70.1	239.9	25,800*	75.3	238.0	21,500*	80.4	232.6	18,700*	105
	110	68.9	237.7	25,100*	74.1	235.9	20,900*	79.1	230.4	18,200*	110
	115	67.7	235.4	24,400*	72.8	233.5	20,400*	77.8	228.0	17,800*	115
	120	66.4	233.0	23,700*	71.5	231.1	19,900*	76.5	225.5	17,400*	120
	130	63.8	227.6	22,500*	68.9	225.8	18,900*	73.9	220.1	16,600*	130
	140	61.2	221.7	21,200*	66.3	219.8	17,900*	71.1	214.0	15,900*	140
	150	58.4	215.1	20,100*	63.5	213.3	17,100*	68.3	207.2	15,200*	150
	160	55.6	207.8	19,000*	60.7	205.9	16,300*	65.4	199.7	14,500*	160
	170	52.7	199.7	18,100*	57.7	197.8	15,500*	62.3	191.3	14,000*	170
	180	49.6	190.7	17,100*	54.6	188.8	14,800*	59.1	181.9	13,500*	180
	190	46.4	180.7	16,300*	51.4	178.7	14,200*	55.7	171.4	13,000*	190
140	200	43.0	169.4	15,500*	47.9	167.4	13,600*	52.1	159.5	12,600*	200
	210	39.3	156.6	14,700*	44.1	154.5	13,100*	48.1	145.9	12,200*	210
	220	35.2	141.8	14,100*	40.0	139.5	12,600*	43.7	129.9	12,000*	220
	230	30.7	124.4	13,500*	35.4	121.8	12,200*				230
	65	80.1	263.3	32,400*							65
	70	79.0	262.2	31,600*							70
	75	77.9	260.9	30,800*							75
	80	76.7	259.4	30,000*							80
	85	75.6	257.9	29,200*	80.6	255.9	24,100*				85
	90	74.4	256.3	28,500*	79.4	254.3	23,500*				90
140	95	73.3	254.6	27,700*	78.3	252.5	22,900*				95
	100	72.1	252.7	27,000*	77.1	250.7	22,300*				100
	105	70.9	250.7	26,300*	75.9	248.7	21,800*	80.8	243.2	18,800*	105
	110	69.8	248.7	25,600*	74.7	246.7	21,200*	79.6	241.1	18,400*	110
	115	68.6	246.4	24,900*	73.5	244.5	20,700*	78.4	238.8	18,000*	115
	120	67.4	244.1	24,300*	72.3	242.1	20,200*	77.1	236.4	17,600*	120
	130	64.9	239.0	23,000*	69.8	237.1	19,200*	74.6	231.2	16,800*	130
	140	62.4	233.4	21,800*	67.3	231.4	18,300*	72.0	225.4	16,100*	140
	150	59.8	227.2	20,700*	64.7	225.2	17,400*	69.3	219.0	15,400*	150
	160	57.2	220.3	19,600*	62.0	218.3	16,700*	66.6	211.9	14,800*	160
140	170	54.4	212.7	18,600*	59.2	210.7	15,900*	63.7	204.1	14,200*	170
	180	51.6	204.3	16,600	56.3	202.3	15,200*	60.7	195.3	13,700*	180
	190	48.6	195.0	14,500	53.3	192.9	14,600*	57.6	185.6	13,200*	190
	200	45.4	184.6	12,600	50.1	182.5	13,900	54.2	174.7	12,800*	200
	210	42.1	173.0	10,900	46.7	170.8	12,100	50.7	162.5	12,400*	210
	220	38.4	159.8	9,400	43.1	157.5	10,400	46.8	148.4	11,200	220
	230	34.5	144.6	8,000	39.0	142.2	8,800				230
	240	30.0	126.8	6,700	34.5	124.0	7,400				240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

120 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
150	65	80.5	273.6	32,600*							65
	70	79.4	272.4	31,900*							70
	75	78.3	271.2	31,100*							75
	80	77.2	269.8	30,400*							80
	85	76.1	268.4	29,600*							85
	90	75.0	266.8	28,900*	79.9	264.7	23,700*				90
	95	73.9	265.1	28,200*	78.7	263.0	23,100*				95
	100	72.8	263.4	27,400*	77.6	261.3	22,600*				100
	105	71.7	261.5	26,800*	76.5	259.4	22,000*				105
	110	70.6	259.5	26,100*	75.3	257.4	21,500*	80.0	251.7	18,500*	110
	115	69.4	257.4	25,400*	74.2	255.3	21,000*	78.8	249.5	18,100*	115
	120	68.3	255.1	24,800*	73.0	253.1	20,500*	77.7	247.2	17,700*	120
	130	65.9	250.3	23,500*	70.6	248.2	19,500*	75.2	242.3	17,000*	130
	140	63.5	244.9	22,300*	68.2	242.9	18,600*	72.8	236.8	16,300*	140
	150	61.1	239.0	21,200*	65.8	236.9	17,800*	70.2	230.7	15,600*	150
	160	58.6	232.5	20,200*	63.2	230.4	17,000*	67.6	224.0	15,000*	160
	170	56.0	225.3	18,100	60.6	223.2	16,300*	64.9	216.6	14,500*	170
	180	53.3	217.4	15,700	57.9	215.3	15,600*	62.1	208.4	13,900*	180
	190	50.5	208.7	13,600	55.1	206.6	14,900*	59.2	199.3	13,500*	190
	200	47.6	199.1	11,700	52.1	196.9	13,200	56.1	189.3	13,000*	200
160	210	44.5	188.4	10,000	49.0	186.2	11,300	52.9	178.0	12,500	210
	220	41.2	176.4	8,500	45.7	174.1	9,700	49.4	165.4	10,600	220
	230	37.7	162.9	7,100	42.1	160.5	8,100	45.5	150.9	8,900	230
	240	33.8	147.4	5,800	38.1	144.7	6,700				240
	250	29.4	129.1	4,600	33.6	126.1	5,400				250
	65	80.8	283.8	32,800*							65
	70	79.8	282.7	32,100*							70
	75	78.8	281.5	31,400*							75
	80	77.7	280.2	30,700*							80
	85	76.7	278.8	30,000*							85
	90	75.6	277.3	29,200*	80.2	275.1	23,900*				90
	95	74.5	275.7	28,600*	79.2	273.5	23,300*				95
	100	73.5	274.0	27,900*	78.1	271.8	22,800*				100
	105	72.4	272.2	27,200*	77.0	270.0	22,300*				105
	110	71.3	270.3	26,500*	75.9	268.1	21,800*	80.4	262.2	18,700*	110
	115	70.2	268.2	25,900*	74.8	266.1	21,300*	79.3	260.2	18,300*	115
	120	69.1	266.1	25,200*	73.7	263.9	20,800*	78.1	258.0	17,900*	120
	130	66.8	261.4	24,000*	71.4	259.3	19,800*	75.8	253.2	17,200*	130
	140	64.6	256.3	22,800*	69.1	254.2	18,900*	73.5	248.0	16,500*	140
	150	62.2	250.7	21,700*	66.7	248.5	18,100*	71.1	242.2	15,800*	150
	160	59.8	244.5	19,800	64.3	242.3	17,300*	68.6	235.8	15,200*	160
	170	57.4	237.7	17,100	61.9	235.5	16,600*	66.0	228.8	14,700*	170
	180	54.8	230.2	14,800	59.3	228.0	15,900*	63.4	221.1	14,200*	180
	190	52.2	222.0	12,700	56.6	219.8	14,400	60.6	212.6	13,700*	190
	200	49.5	213.1	10,800	53.9	210.8	12,400	57.8	203.2	13,300*	200
	210	46.6	203.1	9,100	51.0	200.8	10,500	54.8	192.8	11,800	210
	220	43.6	192.1	7,500	47.9	189.8	8,800	51.6	181.3	9,900	220
	230	40.4	179.9	6,100	44.7	177.4	7,300	48.1	168.2	8,200	230
	240	36.9	166.0	4,900	41.1	163.4	5,900	44.4	153.3	6,700	240
	250				37.2	147.3	4,500				250

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

120 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
170	70	80.2	292.9	32,400*							70
	75	79.2	291.8	31,700*							75
	80	78.1	290.5	31,000*							80
	85	77.1	289.2	30,300*							85
	90	76.1	287.7	29,600*	80.6	285.5	24,100*				90
	95	75.1	286.2	28,900*	79.5	283.9	23,500*				95
	100	74.0	284.5	28,200*	78.5	282.3	23,000*				100
	105	73.0	282.8	27,600*	77.5	280.6	22,500*				105
	110	72.0	281.0	26,900*	76.4	278.7	22,000*	80.8	272.7	18,800*	110
	115	70.9	279.0	26,300*	75.3	276.8	21,500*	79.7	270.8	18,400*	115
	120	69.8	277.0	25,700*	74.3	274.7	21,000*	78.6	268.7	18,000*	120
	130	67.7	272.5	24,500*	72.1	270.3	20,100*	76.4	264.1	17,300*	130
	140	65.5	267.6	23,300*	69.9	265.4	19,200*	74.1	259.1	16,700*	140
	150	63.3	262.2	22,200*	67.7	260.0	18,400*	71.8	253.6	16,000*	150
	160	61.0	256.3	19,300	65.4	254.1	17,700*	69.5	247.5	15,400*	160
	170	58.7	249.8	16,600	63.0	247.6	16,900*	67.0	240.8	14,900*	170
	180	56.3	242.8	14,200	60.6	240.5	16,200	64.5	233.5	14,400*	180
	190	53.8	235.0	12,100	58.1	232.8	14,000	61.9	225.5	13,900*	190
	200	51.2	226.6	10,200	55.5	224.3	11,900	59.3	216.7	13,400	200
	210	48.5	217.3	8,500	52.8	214.9	10,100	56.4	207.0	11,400	210
	220	45.7	207.1	7,000	49.9	204.7	8,400	53.5	196.3	9,600	220
	230	42.8	195.8	5,600	46.9	193.3	6,800	50.3	184.4	7,900	230
	240	39.6	183.2	4,300	43.7	180.6	5,400	47.0	171.0	6,300	240
	250				40.3	166.2	4,100				250
180	70	80.5	303.2	32,600*							70
	75	79.5	302.0	32,000*							75
	80	78.5	300.8	31,300*							80
	85	77.6	299.5	30,600*							85
	90	76.6	298.1	29,900*	80.9	295.8	24,300*				90
	95	75.6	296.7	29,300*	79.9	294.3	23,700*				95
	100	74.6	295.1	28,600*	78.9	292.7	23,200*				100
	105	73.6	293.4	28,000*	77.9	291.1	22,700*				105
	110	72.6	291.6	27,300*	76.9	289.3	22,200*				110
	115	71.6	289.7	26,700*	75.9	287.4	21,700*	80.1	281.3	18,600*	115
	120	70.6	287.8	26,100*	74.8	285.5	21,300*	79.0	279.3	18,200*	120
	130	68.5	283.5	24,900*	72.8	281.2	20,400*	76.9	274.9	17,500*	130
	140	66.4	278.8	23,800*	70.6	276.5	19,500*	74.7	270.1	16,800*	140
	150	64.3	273.6	21,400	68.5	271.3	18,700*	72.5	264.8	16,200*	150
	160	62.1	268.0	18,400	66.3	265.7	18,000*	70.3	259.0	15,600*	160
	170	59.8	261.8	15,700	64.0	259.5	17,200*	67.9	252.7	15,100*	170
	180	57.6	255.1	13,300	61.7	252.8	15,500	65.6	245.7	14,600*	180
	190	55.2	247.8	11,200	59.3	245.4	13,200	63.1	238.1	14,100*	190
	200	52.8	239.8	9,300	56.9	237.4	11,100	60.6	229.9	12,800	200
	210	50.3	231.0	7,600	54.3	228.6	9,300	58.0	220.8	10,700	210
	220	47.6	221.5	6,100	51.7	219.0	7,600	55.2	210.8	8,900	220
	230	44.9	211.0	4,700	48.9	208.4	6,000	52.3	199.8	7,200	230
	240				46.0	196.8	4,600	49.2	187.5	5,600	240
	250							45.9	173.8	4,200	250

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

120 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
190	70	80.8	313.4	32,800*							70
	75	79.9	312.3	32,200*							75
	80	78.9	311.1	31,500*							80
	85	78.0	309.9	30,900*							85
	90	77.0	308.5	30,200*							90
	95	76.1	307.1	29,600*	80.2	304.7	23,900*				95
	100	75.1	305.6	28,900*	79.3	303.2	23,400*				100
	105	74.1	303.9	28,300*	78.3	301.6	22,900*				105
	110	73.2	302.2	27,700*	77.3	299.9	22,400*				110
	115	72.2	300.4	27,100*	76.3	298.1	22,000*	80.4	291.8	18,700*	115
	120	71.2	298.5	26,500*	75.4	296.2	21,500*	79.4	289.9	18,300*	120
	130	69.2	294.4	25,300*	73.4	292.1	20,600*	77.4	285.7	17,600*	130
	140	67.2	289.9	24,100	71.3	287.5	19,800*	75.3	281.0	17,000*	140
	150	65.2	284.9	20,600	69.2	282.6	19,000*	73.2	276.0	16,400*	150
	160	63.1	279.5	17,500	67.1	277.2	18,200*	71.0	270.4	15,800*	160
	170	60.9	273.6	14,800	65.0	271.2	17,300	68.8	264.3	15,300*	170
	180	58.8	267.2	12,500	62.8	264.8	14,800	66.5	257.7	14,800*	180
	190	56.5	260.2	10,400	60.5	257.8	12,500	64.2	250.5	14,300*	190
	200	54.2	252.6	8,500	58.2	250.2	10,400	61.8	242.7	12,200	200
	210	51.8	244.4	6,800	55.8	241.9	8,500	59.3	234.1	10,100	210
	220	49.4	235.4	5,200	53.3	232.9	6,800	56.7	224.8	8,300	220
	230				50.7	223.0	5,300	54.0	214.5	6,600	230
	240							51.2	203.2	5,000	240
200	75	80.2	322.5	32,400*							75
	80	79.3	321.4	31,800*							80
	85	78.4	320.2	31,100*							85
	90	77.4	318.9	30,500*							90
	95	76.5	317.5	29,900*	80.6	315.0	24,100*				95
	100	75.6	316.0	29,300*	79.6	313.6	23,600*				100
	105	74.7	314.5	28,600*	78.7	312.0	23,100*				105
	110	73.7	312.8	28,000*	77.7	310.4	22,600*				110
	115	72.8	311.1	27,400*	76.8	308.6	22,200*	80.7	302.3	18,800*	115
	120	71.8	309.2	26,800*	75.8	306.8	21,700*	79.8	300.4	18,400*	120
	130	69.9	305.3	25,700*	73.9	302.8	20,900*	77.8	296.4	17,800*	130
	140	68.0	300.9	23,200	72.0	298.5	20,000*	75.8	291.9	17,200*	140
	150	66.0	296.1	19,700	70.0	293.7	19,300*	73.8	287.0	16,600*	150
	160	64.0	290.9	16,600	67.9	288.5	18,500*	71.7	281.7	16,000*	160
	170	61.9	285.3	13,900	65.9	282.9	16,600	69.6	275.9	15,500*	170
	180	59.9	279.1	11,500	63.8	276.7	14,000	67.4	269.6	15,000*	180
	190	57.7	272.5	9,400	61.6	270.0	11,700	65.2	262.7	13,700	190
	200	55.5	265.2	7,500	59.4	262.8	9,600	62.9	255.2	11,500	200
	210	53.3	257.4	5,800	57.1	254.9	7,700	60.5	247.1	9,400	210
	220	50.9	248.9	4,300	54.7	246.3	6,000	58.1	238.3	7,600	220
	230				52.3	237.0	4,500	55.6	228.7	5,900	230
	240							52.9	218.1	4,300	240
210	75	80.5	332.7	32,600*							75
	80	79.6	331.6	32,000*							80
	85	78.7	330.5	31,400*							85
	90	77.8	329.2	30,800*							90
	95	76.9	327.9	30,200*	80.9	325.4	24,200*				95
	100	76.0	326.4	29,600*	80.0	323.9	23,800*				100
	105	75.1	324.9	29,000*	79.0	322.4	23,300*				105
	110	74.2	323.3	28,400*	78.1	320.8	22,800*				110
	115	73.3	321.7	27,800*	77.2	319.2	22,400*				115
	120	72.4	319.9	27,200*	76.3	317.4	21,900*	80.1	310.9	18,600*	120
	130	70.5	316.1	26,100*	74.4	313.6	21,100*	78.2	307.0	17,900*	130
	140	68.7	311.9	22,700	72.5	309.4	20,300*	76.3	302.7	17,300*	140
	150	66.8	307.3	19,100	70.6	304.8	19,500*	74.3	298.0	16,700*	150
	160	64.8	302.3	16,000	68.7	299.8	18,800*	72.3	292.9	16,200*	160
	170	62.9	296.8	13,300	66.7	294.3	16,100	70.3	287.3	15,600*	170
	180	60.9	290.9	11,000	64.7	288.4	13,500	68.2	281.3	15,200*	180
	190	58.8	284.5	8,900	62.6	282.0	11,200	66.1	274.7	13,400	190
	200	56.7	277.6	7,000	60.5	275.1	9,100	63.9	267.6	11,100	200
	210	54.6	270.2	5,200	58.3	267.6	7,200	61.7	259.9	9,000	210
	220				56.1	259.5	5,500	59.4	251.5	7,200	220
	230				53.8	250.7	4,000	57.0	242.4	5,500	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE JIB CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

120 FOOT JIB

BOOM LGTH. FEET	JIB OPER. RAD. FEET	5 DEGREE OFFSET			15 DEGREE OFFSET			30 DEGREE OFFSET			JIB OPER. RAD. FEET
		BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	JIB POINT ELEV. FEET	JIB CAPACITY POUNDS	
220	75	80.8	342.9	32,800*							75
	80	79.9	341.9	32,300*							80
	85	79.1	340.7	31,600*							85
	90	78.2	339.5	31,000*							90
	95	77.3	338.2	30,400*							95
	100	76.5	336.8	29,900*	80.3	334.3	23,900*				100
	105	75.6	335.4	29,300*	79.4	332.8	23,500*				105
	110	74.7	333.8	28,700*	78.5	331.3	23,000*				110
	115	73.8	332.2	28,100*	77.6	329.7	22,600*				115
	120	72.9	330.5	27,600*	76.7	327.9	22,100*	80.4	321.4	18,700*	120
	130	71.1	326.8	26,000	74.9	324.3	21,300*	78.6	317.6	18,000*	130
	140	69.3	322.7	21,800	73.1	320.2	20,500*	76.7	313.5	17,400*	140
	150	67.5	318.3	18,200	71.2	315.8	19,800*	74.8	308.9	16,900*	150
	160	65.6	313.5	15,200	69.4	310.9	18,300	72.9	304.0	16,300*	160
	170	63.8	308.2	12,500	67.5	305.7	15,300	71.0	298.7	15,800*	170
	180	61.8	302.6	10,100	65.5	300.0	12,700	69.0	292.8	15,200	180
	190	59.9	296.5	7,900	63.5	293.9	10,400	66.9	286.5	12,700	190
	200	57.9	289.8	6,000	61.5	287.3	8,300	64.8	279.7	10,400	200
	210	55.8	282.7	4,300	59.4	280.1	6,400	62.7	272.4	8,400	210
	220				57.3	272.4	4,700	60.5	264.4	6,500	220
	230							58.2	255.8	4,800	230
230	80	80.2	352.1	32,500*							80
	85	79.4	351.0	31,900*							85
	90	78.5	349.8	31,300*							90
	95	77.7	348.6	30,700*							95
	100	76.9	347.2	30,100*	80.6	344.6	24,100*				100
	105	76.0	345.8	29,500*	79.7	343.2	23,600*				105
	110	75.2	344.3	29,000*	78.8	341.7	23,200*				110
	115	74.3	342.7	28,400*	78.0	340.1	22,800*				115
	120	73.4	341.1	27,900*	77.1	338.5	22,300*	80.7	331.8	18,800*	120
	130	71.7	337.5	25,200	75.4	334.9	21,500*	78.9	328.2	18,200*	130
	140	70.0	333.6	21,000	73.6	331.0	20,700*	77.1	324.2	17,600*	140
	150	68.2	329.3	17,400	71.8	326.7	20,000*	75.3	319.8	17,000*	150
	160	66.4	324.6	14,300	70.0	322.0	17,600	73.5	315.0	16,500*	160
	170	64.6	319.6	11,600	68.2	317.0	14,700	71.6	309.9	16,000*	170
	180	62.7	314.1	9,200	66.3	311.5	12,000	69.7	304.3	14,700	180
	190	60.8	308.2	7,100	64.4	305.6	9,700	67.7	298.2	12,100	190
	200	58.9	301.9	5,200	62.5	299.3	7,600	65.7	291.7	9,800	200
	210				60.5	292.4	5,700	63.7	284.7	7,700	210
	220				58.4	285.0	4,000	61.6	277.1	5,900	220
	230							59.4	268.9	4,100	230