

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 LONG REACH TOP

167,000 LB. COUNTERWEIGHT

360 DEGREE RATING

CHART SUPPLEMENTS BOOM CAPACITY CHART NO. 7736-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.

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. 172612, JIB ASSEMBLY NO. 170429, NO. 173165 OR NO. 172693, WIRE ROPE SPECIFICATION CHART NO. 7581-B 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 MPH	BOOM LENGTH FEET	JIB LENGTH FEET
30	190 - 210	---
25	220 - 250	---
20	260 - 330	---
25	190 - 210	40 - 80
20	220 - 280	40 - 60
20	220 - 250	80
15	260 - 270	80
25	190 - 200	100 - 120
20	210 - 250	100 - 120
15	260	100 - 120

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
330'	---	310'	---	290'	---
320'	---	300'	---	280'	---
310'	---	290'	---	270'	---
300'	---	280'	40'	260'	60'
290'	---	270'	60'	250'	80'
280'	60'	260'	100'	240'	100'
270'	80'	250'	120'	230'	120'
260'	120'				
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. UPPER BOOM POINT CANNOT BE USED ON 330' 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	
190	45	81.3	236.9	100,000*b							45
	50	80.1	236.0	98,000*b							50
	55	78.8	235.0	94,500*b	80.6	233.8	75,500*b				55
	60	77.6	233.9	91,100*b	79.4	232.7	73,600*b				60
	65	76.3	232.7	88,100*b	78.1	231.5	71,800*b	79.9	228.7	57,000*	65
	70	75.0	231.3	85,300*b	76.8	230.1	70,100*b	78.6	227.4	56,100*	70
	75	73.7	229.8	82,600*b	75.5	228.6	68,600*b	77.3	225.8	54,800*	75
	80	72.4	228.2	75,500b	74.2	227.0	67,100*	76.0	224.2	53,400*	80
	85	71.1	226.5	69,300b	72.9	225.2	65,700*	74.6	222.4	52,000*	85
	90	69.8	224.6	63,800b	71.6	223.4	64,400*	73.3	220.5	50,800*	90
	95	68.5	222.6	59,000b	70.2	221.4	60,200	71.9	218.5	49,600*	95
	100	67.1	220.5	54,700b	68.9	219.2	55,800	70.6	216.3	48,500*	100
	105	65.8	218.2	50,900b	67.5	216.9	51,900	69.2	214.0	47,400*	105
	110	64.4	215.8	47,500b	66.1	214.5	48,400	67.8	211.6	46,400*	110
	115	63.0	213.2	44,400	64.7	211.9	45,300	66.4	208.9	45,500*	115
	120	61.6	210.5	41,600	63.3	209.2	42,400	64.9	206.2	43,200	120
	125	60.2	207.6	39,000	61.9	206.3	39,800	63.5	203.2	40,500	125
	130	58.8	204.6	36,700	60.4	203.2	37,400	62.0	200.1	38,100	130
	140	55.8	197.9	32,500	57.4	196.5	33,200	59.0	193.3	33,700	140
	150	52.7	190.5	29,000	54.3	189.0	29,500	55.8	185.6	30,000	150
	160	49.5	182.2	25,900	51.1	180.6	26,400	52.5	177.1	26,800	160
	170	46.1	172.8	23,200	47.7	171.2	23,600	49.0	167.4	24,000	170
	180	42.5	162.3	20,800	44.1	160.5	21,200	45.3	156.5	21,500	180
	190	38.7	150.2	18,700	40.2	148.3	19,000				190
	200	34.4	136.3	16,800	35.9	134.2	17,100				200
	210	29.7	119.7	15,100							210
200	50	80.5	246.2	99,300*b							50
	55	79.3	245.3	95,700*b							55
	60	78.1	244.2	92,500*b	79.8	243.0	74,200*b				60
	65	76.9	243.0	89,400*b	78.6	241.8	72,500*b	80.3	239.0	57,300*	65
	70	75.7	241.7	86,600*b	77.4	240.5	70,800*b	79.1	237.7	56,400*	70
	75	74.4	240.3	82,100b	76.1	239.0	69,300*b	77.8	236.3	55,500*	75
	80	73.2	238.7	74,900b	74.9	237.5	67,800*	76.6	234.7	54,100*	80
	85	71.9	237.1	68,600b	73.6	235.8	66,500*	75.3	233.0	52,700*	85
	90	70.7	235.3	63,200b	72.4	234.1	64,500	74.0	231.2	51,500*	90
	95	69.4	233.4	58,300b	71.1	232.1	59,600	72.7	229.3	50,300*	95
	100	68.1	231.4	54,100b	69.8	230.1	55,200	71.4	227.2	49,200*	100
	105	66.9	229.2	50,300b	68.5	227.9	51,300	70.1	225.0	48,100*	105
	110	65.6	226.9	46,800b	67.2	225.6	47,800	68.8	222.7	47,100*	110
	115	64.2	224.5	43,700b	65.9	223.2	44,700	67.5	220.2	45,600	115
	120	62.9	221.9	40,900	64.5	220.6	41,800	66.1	217.6	42,600	120
	125	61.6	219.2	38,300	63.2	217.8	39,200	64.7	214.8	39,900	125
	130	60.2	216.3	36,000	61.8	214.9	36,800	63.3	211.8	37,500	130
	140	57.4	210.0	31,800	59.0	208.6	32,500	60.5	205.4	33,100	140
	150	54.5	203.1	28,300	56.1	201.6	28,900	57.5	198.3	29,400	150
	160	51.5	195.3	25,200	53.1	193.8	25,700	54.4	190.3	26,200	160
	170	48.4	186.6	22,500	49.9	185.0	23,000	51.2	181.4	23,400	170
	180	45.1	176.9	20,100	46.6	175.2	20,500	47.8	171.4	20,900	180
	190	41.6	166.0	18,000	43.0	164.2	18,400	44.2	160.1	18,600	190
	200	37.8	153.6	16,100	39.2	151.6	16,400				200
	210	33.7	139.3	14,400	35.0	137.1	14,700				210
	220	29.0	122.3	12,900							220

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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	
210	50	80.9	256.4	99,900*b							50
	55	79.7	255.4	96,900*b							55
	60	78.6	254.4	93,700*b	80.2	253.2	74,800*b				60
	65	77.4	253.3	90,700*b	79.1	252.1	73,100*b	80.7	249.3	57,500*	65
	70	76.2	252.0	87,900*b	77.9	250.8	71,500*b	79.5	248.0	56,700*	70
	75	75.1	250.7	81,800b	76.7	249.4	70,000*b	78.3	246.7	55,900*	75
	80	73.9	249.2	74,600b	75.5	248.0	68,500*b	77.1	245.2	54,700*	80
	85	72.7	247.6	68,300b	74.3	246.4	67,200*	75.9	243.6	53,400*	85
	90	71.5	245.9	62,800b	73.1	244.7	64,200	74.7	241.8	52,100*	90
	95	70.3	244.1	58,000b	71.9	242.9	59,300	73.5	240.0	51,000*	95
	100	69.1	242.2	53,700b	70.7	240.9	54,900	72.2	238.0	49,900*	100
	105	67.8	240.1	49,900b	69.4	238.8	51,000	71.0	235.9	48,800*	105
	110	66.6	237.9	46,500b	68.2	236.6	47,500	69.7	233.7	47,800*	110
	115	65.3	235.6	43,400b	66.9	234.3	44,400	68.4	231.3	45,300	115
	120	64.1	233.2	40,600b	65.6	231.8	41,500	67.2	228.8	42,400	120
	125	62.8	230.6	38,000	64.4	229.2	38,900	65.8	226.2	39,700	125
	130	61.5	227.8	35,700	63.1	226.5	36,500	64.5	223.4	37,200	130
	140	58.9	221.9	31,500	60.4	220.5	32,200	61.8	217.4	32,900	140
	150	56.1	215.3	28,000	57.7	213.9	28,600	59.0	210.6	29,200	150
	160	53.3	208.1	24,900	54.8	206.6	25,400	56.2	203.2	25,900	160
	170	50.4	200.0	22,200	51.9	198.4	22,700	53.2	194.9	23,100	170
	180	47.3	191.0	19,800	48.8	189.3	20,200	50.0	185.6	20,600	180
	190	44.1	180.9	17,700	45.5	179.2	18,100	46.7	175.3	18,400	190
	200	40.7	169.7	15,800	42.1	167.8	16,100	43.2	163.6	16,400	200
	210	37.0	156.9	14,100	38.4	154.9	14,400				210
	220	33.0	142.2	12,600	34.2	139.9	12,800				220
	230	28.4	124.7	11,200							230
220	55	80.1	265.6	90,000*b							55
	60	79.0	264.6	90,000*b	80.6	263.4	75,400*b				60
	65	77.9	263.5	88,600b	79.5	262.3	73,700*b				65
	70	76.8	262.3	78,900b	78.4	261.1	72,100*b	80.0	258.3	57,000*	70
	75	75.6	261.0	70,800b	77.2	259.8	70,600*b	78.8	257.0	56,200*	75
	80	74.5	259.6	63,900b	76.1	258.4	66,000b	77.6	255.6	55,300*	80
	85	73.4	258.1	57,900b	74.9	256.9	59,900	76.5	254.0	54,000*	85
	90	72.2	256.5	52,600b	73.8	255.2	54,500	75.3	252.4	52,800*	90
	95	71.1	254.8	48,000b	72.6	253.5	49,700	74.1	250.6	51,500	95
	100	69.9	252.9	43,900b	71.4	251.6	45,500	73.0	248.7	47,100	100
	105	68.7	250.9	40,200b	70.3	249.7	41,800	71.8	246.7	43,300	105
	110	67.5	248.9	37,000b	69.1	247.6	38,400	70.6	244.6	39,800	110
	115	66.3	246.6	34,000b	67.9	245.3	35,300	69.3	242.4	36,600	115
	120	65.1	244.3	31,300b	66.7	243.0	32,500	68.1	240.0	33,800	120
	125	63.9	241.8	28,800b	65.4	240.5	30,000	66.9	237.5	31,200	125
	130	62.7	239.2	26,600	64.2	237.9	27,700	65.6	234.8	28,800	130
	140	60.2	233.6	22,600	61.7	232.2	23,600	63.1	229.1	24,500	140
	150	57.6	227.4	19,200	59.1	226.0	20,100	60.4	222.7	20,900	150
	160	55.0	220.5	16,200	56.4	219.0	17,000	57.7	215.7	17,700	160
	170	52.2	212.9	13,600	53.6	211.4	14,300	54.9	207.9	15,000	170
	180	49.4	204.5	11,400	50.8	202.9	12,000	52.0	199.3	12,500	180
	190	46.4	195.2	9,300	47.8	193.5	9,900	48.9	189.7	10,400	190
	200	43.2	184.9	7,500	44.6	183.1	8,000	45.7	179.1	8,400	200
	210	39.9	173.3	5,900	41.2	171.4	6,300				210
	220	36.3	160.1	4,400	37.5	158.1	4,800				220

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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	
230	55	80.5	275.8	90,000*b							55
	60	79.4	274.8	90,000*b	81.0	273.6	75,900*b				60
	65	78.4	273.8	87,800b	79.9	272.6	74,300*b				65
	70	77.3	272.6	78,200b	78.8	271.4	72,700*b	80.3	268.6	57,200*	70
	75	76.2	271.4	70,000b	77.7	270.2	71,200*b	79.2	267.3	56,500*	75
	80	75.1	270.0	63,100b	76.6	268.8	65,400b	78.1	266.0	55,700*	80
	85	74.0	268.6	57,100b	75.5	267.3	59,200b	77.0	264.5	54,600*	85
	90	72.9	267.0	51,800b	74.4	265.8	53,800	75.9	262.9	53,400*	90
	95	71.8	265.4	47,200b	73.3	264.1	49,000	74.8	261.2	50,800	95
	100	70.7	263.6	43,100b	72.2	262.3	44,800	73.6	259.4	46,500	100
	105	69.5	261.7	39,400b	71.0	260.4	41,000	72.5	257.5	42,600	105
	110	68.4	259.7	36,200b	69.9	258.4	37,700	71.3	255.5	39,100	110
	115	67.3	257.6	33,200b	68.7	256.3	34,600	70.2	253.3	36,000	115
	120	66.1	255.4	30,500b	67.6	254.0	31,800	69.0	251.0	33,100	120
	125	65.0	253.0	28,000b	66.4	251.7	29,300	67.8	248.6	30,500	125
	130	63.8	250.5	25,800b	65.2	249.2	26,900	66.6	246.1	28,100	130
	140	61.4	245.2	21,800	62.8	243.8	22,800	64.2	240.7	23,800	140
	150	58.9	239.2	18,400	60.4	237.8	19,300	61.7	234.6	20,200	150
	160	56.4	232.7	15,400	57.8	231.3	16,200	59.1	228.0	17,000	160
	170	53.8	225.6	12,800	55.2	224.1	13,600	56.5	220.7	14,300	170
	180	51.2	217.7	10,500	52.5	216.1	11,200	53.7	212.6	11,800	180
	190	48.4	209.0	8,500	49.7	207.4	9,100	50.9	203.7	9,600	190
	200	45.4	199.4	6,700	46.8	197.7	7,200	47.9	193.8	7,700	200
	210	42.4	188.7	5,100	43.7	186.9	5,500	44.7	182.8	5,900	210
	220				40.4	174.8	4,000				220
240	55	80.8	286.0	90,000*b							55
	60	79.8	285.0	90,000*b							60
	65	78.8	284.0	87,000b	80.2	282.8	74,800*b				65
	70	77.7	282.9	77,300b	79.2	281.7	73,300*b	80.7	278.9	57,500*	70
	75	76.7	281.7	69,200b	78.2	280.5	71,700b	79.6	277.7	56,700*	75
	80	75.6	280.4	62,200b	77.1	279.2	64,600b	78.6	276.3	56,000*	80
	85	74.6	279.0	56,200b	76.0	277.8	58,400b	77.5	274.9	55,100*	85
	90	73.5	277.5	50,900b	75.0	276.3	53,000	76.4	273.4	53,900*	90
	95	72.5	275.9	46,300b	73.9	274.6	48,200	75.3	271.8	50,100	95
	100	71.4	274.2	42,200b	72.8	272.9	44,000	74.2	270.0	45,800	100
	105	70.3	272.4	38,500b	71.7	271.1	40,200	73.1	268.2	41,900	105
	110	69.2	270.5	35,200b	70.6	269.2	36,800	72.0	266.3	38,400	110
	115	68.1	268.5	32,300b	69.5	267.1	33,700	70.9	264.2	35,200	115
	120	67.0	266.3	29,600b	68.4	265.0	30,900	69.8	262.0	32,300	120
	125	65.9	264.1	27,100b	67.3	262.7	28,400	68.7	259.7	29,700	125
	130	64.8	261.7	24,800b	66.2	260.3	26,100	67.5	257.3	27,300	130
	140	62.5	256.6	20,800	63.9	255.2	22,000	65.2	252.1	23,000	140
	150	60.2	250.9	17,400	61.5	249.5	18,400	62.8	246.4	19,400	150
	160	57.8	244.7	14,500	59.1	243.3	15,400	60.4	240.0	16,200	160
	170	55.3	238.0	11,900	56.7	236.5	12,700	57.9	233.1	13,400	170
	180	52.8	230.5	9,600	54.1	229.0	10,300	55.3	225.5	11,000	180
	190	50.2	222.3	7,600	51.5	220.7	8,200	52.6	217.1	8,800	190
	200	47.4	213.3	5,700	48.7	211.7	6,300	49.8	207.9	6,800	200
	210	44.6	203.4	4,100	45.8	201.7	4,600	46.9	197.7	5,000	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 LONG REACH 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	
250	60	80.2	295.2	90,000*b							60
	65	79.2	294.2	86,500b	80.6	293.0	75,300*b				65
	70	78.2	293.2	76,800b	79.6	291.9	73,800*b				70
	75	77.2	292.0	68,700b	78.6	290.8	71,300b	80.0	287.9	57,000*	75
	80	76.1	290.8	61,700b	77.6	289.5	64,100b	79.0	286.7	56,300*	80
	85	75.1	289.4	55,700b	76.5	288.1	57,900b	77.9	285.3	55,600*	85
	90	74.1	288.0	50,400b	75.5	286.7	52,500b	76.9	283.8	54,500*	90
	95	73.1	286.4	45,800b	74.5	285.2	47,800	75.9	282.3	49,700	95
	100	72.0	284.8	41,700b	73.4	283.5	43,500	74.8	280.6	45,400	100
	105	71.0	283.0	38,000b	72.4	281.8	39,800	73.8	278.8	41,500	105
	110	70.0	281.2	34,700b	71.3	279.9	36,400	72.7	277.0	37,900	110
	115	68.9	279.3	31,800b	70.3	277.9	33,300	71.6	275.0	34,800	115
	120	67.8	277.2	29,000b	69.2	275.9	30,500	70.6	272.9	31,900	120
	125	66.8	275.0	26,600b	68.1	273.7	27,900	69.5	270.7	29,300	125
	130	65.7	272.8	24,300b	67.1	271.4	25,600	68.4	268.4	26,900	130
	140	63.5	267.9	20,300	64.9	266.5	21,500	66.2	263.4	22,600	140
	150	61.3	262.5	16,900	62.6	261.1	18,000	63.9	257.9	18,900	150
	160	59.0	256.6	14,000	60.3	255.1	14,900	61.6	251.9	15,800	160
	170	56.7	250.1	11,400	58.0	248.7	12,200	59.2	245.3	13,000	170
	180	54.3	243.1	9,100	55.6	241.5	9,800	56.7	238.1	10,500	180
	190	51.8	235.3	7,100	53.1	233.8	7,700	54.2	230.2	8,300	190
	200	49.2	226.9	5,200	50.5	225.3	5,900	51.6	221.6	6,400	200
	210				47.8	215.9	4,200	48.8	212.1	4,600	210
260	60	80.5	305.4	90,000*b							60
	65	79.5	304.4	85,600b	80.9	303.2	75,800*b				65
	70	78.6	303.4	76,000b	79.9	302.2	74,300*b				70
	75	77.6	302.3	67,800b	79.0	301.0	70,600b	80.3	298.2	57,200*	75
	80	76.6	301.1	60,800b	78.0	299.8	63,400b	79.4	297.0	56,500*	80
	85	75.6	299.8	54,800b	77.0	298.5	57,200b	78.4	295.7	55,900*	85
	90	74.6	298.4	49,500b	76.0	297.1	51,700b	77.4	294.2	54,000	90
	95	73.7	296.9	44,900b	75.0	295.6	47,000	76.4	292.7	49,000	95
	100	72.7	295.3	40,800b	74.0	294.0	42,700	75.3	291.1	44,600	100
	105	71.7	293.6	37,100b	73.0	292.4	38,900	74.3	289.4	40,700	105
	110	70.7	291.9	33,800b	72.0	290.6	35,500	73.3	287.6	37,200	110
	115	69.6	290.0	30,900b	71.0	288.7	32,500	72.3	285.7	34,000	115
	120	68.6	288.0	28,100b	70.0	286.7	29,700	71.2	283.7	31,100	120
	125	67.6	285.9	25,700b	68.9	284.6	27,100	70.2	281.6	28,500	125
	130	66.6	283.8	23,400b	67.9	282.4	24,800	69.2	279.4	26,100	130
	140	64.5	279.1	19,400b	65.8	277.7	20,600	67.0	274.6	21,800	140
	150	62.3	273.9	16,000	63.6	272.5	17,100	64.9	269.4	18,100	150
	160	60.2	268.3	13,000	61.4	266.8	14,000	62.6	263.6	14,900	160
	170	57.9	262.1	10,400	59.2	260.6	11,300	60.4	257.4	12,200	170
	180	55.6	255.4	8,100	56.9	253.9	9,000	58.0	250.5	9,700	180
	190	53.3	248.0	6,100	54.5	246.5	6,900	55.6	243.0	7,500	190
	200	50.9	240.1	4,300	52.1	238.5	5,000	53.2	234.9	5,500	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 LONG REACH 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.	POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	JIB CAPACITY POUNDS	
270	60	80.8	315.5	90,000*b							60
	65	79.9	314.6	84,900b							65
	70	78.9	313.6	75,200b	80.3	312.4	74,700*b				70
	75	78.0	312.5	67,000b	79.3	311.3	69,900b	80.7	308.4	57,400*	75
	80	77.0	311.4	60,000b	78.4	310.1	62,700b	79.7	307.3	56,800*	80
	85	76.1	310.1	54,000b	77.4	308.9	56,500b	78.7	306.0	56,100*	85
	90	75.1	308.8	48,800b	76.5	307.5	51,000b	77.8	304.6	53,300	90
	95	74.2	307.3	44,100b	75.5	306.1	46,200b	76.8	303.2	48,400	95
	100	73.2	305.8	40,000b	74.5	304.5	42,000	75.8	301.6	44,000	100
	105	72.3	304.2	36,300b	73.6	302.9	38,200	74.9	300.0	40,100	105
	110	71.3	302.5	33,000b	72.6	301.2	34,800	73.9	298.3	36,500	110
	115	70.3	300.7	30,000b	71.6	299.4	31,700	72.9	296.4	33,300	115
	120	69.3	298.8	27,300b	70.6	297.5	28,900	71.9	294.5	30,400	120
	125	68.4	296.8	24,900b	69.6	295.5	26,300	70.9	292.5	27,800	125
	130	67.4	294.7	22,600b	68.6	293.3	24,000	69.9	290.3	25,400	130
	140	65.3	290.2	18,600b	66.6	288.8	19,900	67.8	285.7	21,100	140
	150	63.3	285.2	15,200	64.6	283.8	16,300	65.8	280.7	17,400	150
	160	61.2	279.8	12,200	62.5	278.4	13,200	63.6	275.2	14,200	160
	170	59.1	273.9	9,600	60.3	272.5	10,600	61.5	269.2	11,400	170
	180	56.9	267.5	7,300	58.1	266.0	8,200	59.2	262.7	9,000	180
	190	54.7	260.5	5,300	55.9	259.0	6,100	57.0	255.6	6,800	190
	200				53.6	251.4	4,200	54.6	247.8	4,800	200
280	65	80.2	324.8	83,100*b							65
	70	79.3	323.8	74,300b	80.6	322.6	75,200*b				70
	75	78.4	322.8	66,200b	79.7	321.5	69,100b	81.0	318.7	57,600*	75
	80	77.5	321.7	59,200b	78.7	320.4	61,900b	80.0	317.5	57,000*	80
	85	76.5	320.4	53,100b	77.8	319.2	55,700b	79.1	316.3	56,300*	85
	90	75.6	319.1	47,900b	76.9	317.9	50,200b	78.2	315.0	52,600	90
	95	74.7	317.8	43,200b	76.0	316.5	45,400b	77.2	313.6	47,700	95
	100	73.8	316.3	39,100b	75.0	315.0	41,200	76.3	312.1	43,300	100
	105	72.8	314.7	35,400b	74.1	313.4	37,400	75.4	310.5	39,300	105
	110	71.9	313.1	32,100b	73.2	311.8	34,000	74.4	308.8	35,800	110
	115	71.0	311.3	29,100b	72.2	310.0	30,900	73.5	307.1	32,600	115
	120	70.0	309.5	26,400b	71.3	308.2	28,100	72.5	305.2	29,700	120
	125	69.1	307.6	23,900b	70.3	306.2	25,500	71.5	303.2	27,000	125
	130	68.1	305.5	21,700b	69.3	304.2	23,100	70.6	301.2	24,600	130
	140	66.2	301.2	17,700b	67.4	299.8	19,000	68.6	296.8	20,300	140
	150	64.2	296.4	14,200b	65.4	295.0	15,400	66.6	291.9	16,600	150
	160	62.2	291.2	11,300	63.4	289.8	12,400	64.5	286.7	13,400	160
	170	60.1	285.6	8,700	61.4	284.1	9,700	62.5	280.9	10,600	170
	180	58.1	279.4	6,400	59.3	278.0	7,300	60.3	274.7	8,100	180
	190	55.9	272.8	4,300	57.1	271.3	5,200	58.2	267.9	5,900	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 LONG REACH 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	55	80.8	255.1	73,500*b							55
	60	79.6	254.1	72,300*b							60
	65	78.4	253.0	71,100*	80.9	250.9	59,800*				65
	70	77.3	251.7	70,000*	79.7	249.6	59,100*				70
	75	76.1	250.4	68,900*	78.5	248.3	58,400*				75
	80	74.9	248.9	67,900*	77.3	246.8	57,700*	79.8	242.5	39,900*	80
	85	73.7	247.3	66,900*	76.1	245.2	57,100*	78.6	240.9	38,900*	85
	90	72.5	245.6	65,100	74.9	243.5	56,500*	77.3	239.1	38,000*	90
	95	71.3	243.8	60,200	73.7	241.6	55,900*	76.1	237.3	37,100*	95
	100	70.1	241.9	55,900	72.5	239.7	55,400*	74.8	235.3	36,200*	100
	105	68.9	239.8	52,100	71.2	237.6	53,500	73.6	233.2	35,500*	105
	110	67.6	237.6	48,600	70.0	235.4	49,900	72.3	230.9	34,700*	110
	115	66.4	235.3	45,500	68.7	233.1	46,700	71.0	228.5	34,000*	115
	120	65.1	232.8	42,600	67.4	230.6	43,800	69.7	226.0	33,300*	120
	125	63.8	230.2	40,000	66.1	228.0	41,100	68.4	223.3	32,700*	125
	130	62.5	227.5	37,600	64.8	225.2	38,700	67.0	220.5	32,100*	130
	140	59.9	221.6	33,400	62.1	219.2	34,400	64.3	214.3	30,900*	140
	150	57.1	215.0	29,800	59.4	212.5	30,700	61.5	207.5	29,900*	150
	160	54.3	207.7	26,700	56.5	205.1	27,500	58.5	199.9	28,100	160
	170	51.4	199.6	24,000	53.6	196.9	24,600	55.5	191.5	25,200	170
	180	48.3	190.6	21,600	50.5	187.8	22,200	52.3	182.1	22,700	180
	190	45.1	180.5	19,500	47.2	177.6	19,900	48.9	171.5	20,400	190
	200	41.7	169.2	17,500	43.7	166.0	18,000				200
	210	38.0	156.4	15,800	39.9	152.9	16,200				210
	220	33.9	141.6	14,200	35.7	137.8	14,500				220
	230	29.3	124.1	12,800							230
200	60	80.0	264.3	72,700*b							60
	65	78.9	263.2	71,600*							65
	70	77.8	262.0	70,500*	80.1	259.9	59,300*				70
	75	76.6	260.7	69,400*	79.0	258.6	58,600*				75
	80	75.5	259.3	67,100	77.8	257.2	58,000*	80.2	252.9	40,200*	80
	85	74.4	257.8	61,000	76.7	255.7	57,400*	79.0	251.3	39,300*	85
	90	73.2	256.2	55,700	75.5	254.0	56,800*	77.8	249.7	38,400*	90
	95	72.1	254.4	51,000	74.4	252.3	53,300	76.7	247.9	37,500*	95
	100	70.9	252.6	46,800	73.2	250.4	49,000	75.5	246.0	36,700*	100
	105	69.7	250.6	43,100	72.0	248.4	45,100	74.2	244.0	35,900*	105
	110	68.5	248.5	39,800	70.8	246.3	41,700	73.0	241.8	35,100*	110
	115	67.3	246.3	36,800	69.6	244.1	38,500	71.8	239.5	34,400*	115
	120	66.1	244.0	34,000	68.4	241.7	35,700	70.5	237.1	33,800*	120
	125	64.9	241.5	31,500	67.1	239.2	33,100	69.3	234.6	33,100*	125
	130	63.7	238.9	29,200	65.9	236.6	30,700	68.0	231.9	32,200	130
	140	61.2	233.3	25,200	63.3	230.9	26,500	65.4	226.1	27,800	140
	150	58.6	227.0	21,700	60.7	224.6	22,900	62.8	219.6	24,000	150
	160	55.9	220.1	18,700	58.1	217.6	19,800	60.0	212.5	20,700	160
	170	53.2	212.5	16,100	55.3	209.9	17,000	57.1	204.6	17,900	170
	180	50.3	204.1	13,800	52.4	201.4	14,600	54.2	195.8	15,300	180
	190	47.3	194.8	11,700	49.3	191.9	12,400	51.0	186.1	13,100	190
	200	44.2	184.4	9,800	46.1	181.4	10,500	47.7	175.1	11,000	200
	210	40.8	172.8	8,200	42.7	169.5	8,700				210
	220	37.2	159.6	6,700	39.0	156.1	7,100				220
	230	33.2	144.4	5,300	34.9	140.5	5,600				230
	240	28.7	126.5	4,000							240

MANITOWOC ENGINEERING CO.

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LIFTCRANE JIB CAPACITIES

MEETS
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M-250

NEW YORK CITY CODE

JIB NO. 132 WITH 20' STRUT ON

BOOM NO. 44 WITH LONG REACH 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.	POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	JIB CAPACITY POUNDS	
210	60	80.4	274.5	73,100*b							60
	65	79.3	273.5	72,000*b							65
	70	78.2	272.3	70,900*	80.5	270.2	59,500*				70
	75	77.1	271.1	69,900*	79.4	268.9	58,900*				75
	80	76.1	269.7	66,600	78.3	267.6	58,200*	80.6	263.2	40,600*	80
	85	75.0	268.3	60,500	77.2	266.1	57,700*	79.5	261.8	39,600*	85
	90	73.9	266.7	55,200	76.1	264.5	57,100*	78.3	260.1	38,700*	90
	95	72.7	265.0	50,500	75.0	262.9	52,900	77.2	258.4	37,900*	95
	100	71.6	263.3	46,400	73.8	261.1	48,600	76.0	256.6	37,100*	100
	105	70.5	261.4	42,700	72.7	259.2	44,700	74.9	254.7	36,300*	105
	110	69.4	259.4	39,300	71.6	257.1	41,300	73.7	252.6	35,600*	110
	115	68.2	257.3	36,300	70.4	255.0	38,100	72.5	250.4	34,900*	115
	120	67.1	255.0	33,600	69.2	252.8	35,300	71.3	248.1	34,200*	120
	125	65.9	252.7	31,100	68.1	250.4	32,700	70.1	245.7	33,600*	125
	130	64.7	250.2	28,800	66.9	247.9	30,300	68.9	243.2	31,800	130
	140	62.3	244.8	24,700	64.5	242.4	26,100	66.5	237.6	27,400	140
	150	59.9	238.9	21,300	62.0	236.5	22,500	63.9	231.5	23,700	150
	160	57.4	232.4	18,300	59.4	229.9	19,400	61.3	224.8	20,400	160
	170	54.8	225.2	15,600	56.8	222.6	16,600	58.6	217.3	17,500	170
	180	52.1	217.3	13,300	54.1	214.6	14,200	55.9	209.1	15,000	180
	190	49.3	208.6	11,200	51.3	205.8	12,000	52.9	200.0	12,700	190
	200	46.4	198.9	9,400	48.3	196.0	10,100	49.9	190.0	10,700	200
	210	43.3	188.3	7,700	45.1	185.1	8,300	46.6	178.7	8,800	210
	220	40.0	176.3	6,200	41.8	172.9	6,700				220
	230	36.4	162.8	4,800	38.2	159.1	5,300				230
220	60	80.7	284.7	73,400*b							60
	65	79.7	283.7	72,300*b							65
	70	78.7	282.6	71,300*	80.8	280.5	59,700*				70
	75	77.6	281.4	70,300*	79.8	279.2	59,100*				75
	80	76.6	280.1	65,800	78.7	277.9	58,500*	80.9	273.6	40,900*	80
	85	75.5	278.7	59,700	77.7	276.5	57,900*	79.8	272.1	40,000*	85
	90	74.4	277.2	54,400	76.6	275.0	57,100	78.8	270.6	39,100*	90
	95	73.4	275.6	49,700	75.5	273.4	52,200	77.7	269.0	38,200*	95
	100	72.3	273.9	45,500	74.4	271.7	47,900	76.6	267.2	37,400*	100
	105	71.2	272.1	41,800	73.3	269.8	44,000	75.5	265.3	36,700*	105
	110	70.1	270.2	38,500	72.3	267.9	40,500	74.3	263.4	36,000*	110
	115	69.0	268.1	35,500	71.1	265.9	37,400	73.2	261.3	35,300*	115
	120	67.9	266.0	32,700	70.0	263.7	34,500	72.1	259.1	34,600*	120
	125	66.8	263.7	30,200	68.9	261.4	31,900	70.9	256.8	33,600	125
	130	65.7	261.3	27,900	67.8	259.0	29,500	69.8	254.3	31,100	130
	140	63.4	256.2	23,900	65.5	253.9	25,300	67.4	249.1	26,700	140
	150	61.1	250.6	20,400	63.1	248.2	21,700	65.0	243.2	22,900	150
	160	58.7	244.4	17,400	60.7	241.9	18,600	62.5	236.8	19,700	160
	170	56.2	237.6	14,700	58.2	235.0	15,800	60.0	229.8	16,800	170
	180	53.7	230.1	12,400	55.6	227.5	13,400	57.4	222.1	14,200	180
	190	51.1	221.9	10,300	53.0	219.2	11,200	54.6	213.6	12,000	190
	200	48.3	212.9	8,500	50.2	210.1	9,300	51.8	204.2	9,900	200
	210	45.5	203.0	6,800	47.3	200.0	7,500	48.8	193.8	8,100	210
	220	42.4	192.0	5,300	44.2	188.8	5,900				220
	230				40.9	176.3	4,400				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 LONG REACH 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.	POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	JIB CAPACITY POUNDS	
2 3 0	65	80.1	293.9	72,700* ^b							65
	70	79.1	292.9	71,700* ^b							70
	75	78.0	291.7	70,700*	80.2	289.5	59,300*				75
	80	77.0	290.4	65,100	79.1	288.3	58,700*				80
	85	76.0	289.1	59,000	78.1	286.9	58,100*	80.2	282.5	40,300*	85
	90	75.0	287.6	53,700	77.1	285.4	56,500	79.2	281.0	39,400*	90
	95	74.0	286.1	49,000	76.0	283.9	51,600	78.1	279.4	38,600*	95
	100	72.9	284.5	44,800	75.0	282.2	47,200	77.1	277.7	37,800*	100
	105	71.9	282.7	41,100	74.0	280.5	43,400	76.0	276.0	37,100*	105
	110	70.8	280.9	37,700	72.9	278.6	39,900	74.9	274.1	36,300*	110
	115	69.8	278.9	34,700	71.8	276.7	36,700	73.8	272.1	35,700*	115
	120	68.7	276.9	31,900	70.8	274.6	33,900	72.8	270.0	35,000*	120
	125	67.7	274.7	29,400	69.7	272.4	31,200	71.7	267.7	33,000	125
	130	66.6	272.4	27,100	68.6	270.1	28,900	70.5	265.4	30,500	130
	140	64.4	267.5	23,100	66.4	265.2	24,600	68.3	260.4	26,100	140
	150	62.2	262.1	19,600	64.1	259.7	21,000	66.0	254.8	22,300	150
	160	59.9	256.2	16,600	61.8	253.7	17,800	63.7	248.7	19,000	160
	170	57.5	249.7	13,900	59.5	247.2	15,100	61.2	242.0	16,100	170
	180	55.1	242.7	11,600	57.0	240.0	12,600	58.8	234.7	13,600	180
	190	52.7	234.9	9,500	54.5	232.2	10,500	56.2	226.7	11,300	190
2 4 0	200	50.1	226.5	7,700	51.9	223.7	8,500	53.5	217.9	9,200	200
	210	47.4	217.2	6,000	49.2	214.2	6,800	50.7	208.2	7,400	210
	220	44.6	207.0	4,500	46.4	203.9	5,200	47.8	197.5	5,700	220
	65	80.4	304.1	73,000* ^b							65
	70	79.4	303.1	72,000* ^b							70
	75	78.4	302.0	71,100*	80.5	299.8	59,500*				75
	80	77.5	300.8	64,300	79.5	298.6	58,900*				80
	85	76.5	299.5	58,200	78.5	297.3	58,300*	80.6	292.8	40,600*	85
	90	75.5	298.1	52,800	77.5	295.9	55,800	79.6	291.4	39,700*	90
	95	74.5	296.6	48,100	76.5	294.4	50,900	78.5	289.9	38,900*	95
	100	73.5	295.0	43,900	75.5	292.8	46,500	77.5	288.2	38,200*	100
	105	72.5	293.3	40,200	74.5	291.1	42,600	76.5	286.5	37,400*	105
	110	71.5	291.5	36,800	73.5	289.3	39,100	75.5	284.7	36,700*	110
	115	70.5	289.7	33,800	72.5	287.4	36,000	74.4	282.8	36,000*	115
	120	69.5	287.7	31,100	71.4	285.4	33,100	73.4	280.8	35,100	120
	125	68.4	285.6	28,500	70.4	283.3	30,500	72.3	278.6	32,400	125
	130	67.4	283.4	26,200	69.4	281.1	28,100	71.3	276.4	29,800	130
	140	65.3	278.7	22,200	67.2	276.3	23,800	69.1	271.6	25,400	140
	150	63.2	273.5	18,700	65.1	271.1	20,200	66.9	266.2	21,600	150
	160	61.0	267.9	15,700	62.9	265.4	17,000	64.7	260.4	18,300	160
	170	58.8	261.7	13,000	60.6	259.2	14,200	62.4	254.1	15,400	170
	180	56.5	255.0	10,700	58.3	252.4	11,800	60.0	247.1	12,800	180
	190	54.1	247.7	8,600	55.9	245.0	9,600	57.6	239.5	10,500	190
	200	51.7	239.7	6,800	53.5	236.9	7,700	55.1	231.2	8,500	200
	210	49.2	230.9	5,100	50.9	228.0	5,900	52.4	222.2	6,600	210
	220				48.3	218.4	4,300	49.7	212.2	4,900	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 LONG REACH 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.	POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	JIB CAPACITY POUNDS	
250	65	80.7	314.3	73,400*b							65
	70	79.8	313.3	72,400*b							70
	75	78.8	312.2	70,900	80.8	310.0	59,600*				75
	80	77.9	311.0	63,800	79.9	308.9	59,100*				80
	85	76.9	309.8	57,700	78.9	307.6	58,500*	80.9	303.1	40,900*	85
	90	76.0	308.4	52,300	77.9	306.2	55,400	79.9	301.7	40,000*	90
	95	75.0	307.0	47,600	77.0	304.8	50,500	78.9	300.3	39,200*	95
	100	74.1	305.5	43,400	76.0	303.2	46,100	77.9	298.7	38,500*	100
	105	73.1	303.9	39,700	75.0	301.6	42,200	77.0	297.1	37,700*	105
	110	72.1	302.2	36,400	74.1	299.9	38,700	76.0	295.3	37,000*	110
	115	71.2	300.4	33,300	73.1	298.1	35,500	75.0	293.5	36,400*	115
	120	70.2	298.4	30,600	72.1	296.2	32,600	74.0	291.5	34,700	120
	125	69.2	296.4	28,000	71.1	294.1	30,000	72.9	289.5	32,000	125
	130	68.2	294.3	25,700	70.1	292.0	27,600	71.9	287.3	29,500	130
	140	66.2	289.8	21,700	68.0	287.4	23,400	69.9	282.7	25,000	140
	150	64.1	284.9	18,200	66.0	282.4	19,700	67.7	277.6	21,200	150
	160	62.0	279.4	15,200	63.9	277.0	16,500	65.6	272.0	17,900	160
	170	59.9	273.5	12,500	61.7	271.0	13,800	63.4	265.9	15,000	170
	180	57.7	267.1	10,200	59.5	264.5	11,300	61.2	259.3	12,400	180
	190	55.5	260.1	8,100	57.2	257.5	9,200	58.8	252.1	10,100	190
	200	53.2	252.5	6,300	54.9	249.8	7,200	56.5	244.3	8,000	200
	210	50.8	244.3	4,600	52.5	241.5	5,400	54.0	235.7	6,200	210
	220							51.4	226.3	4,500	220
260	70	80.1	323.5	72,700*b							70
	75	79.2	322.5	70,100b							75
	80	78.3	321.3	63,000	80.2	319.1	59,200*				80
	85	77.4	320.1	56,900	79.3	317.9	58,700*				85
	90	76.4	318.8	51,500	78.3	316.6	54,700	80.2	312.1	40,300*	90
	95	75.5	317.4	46,800	77.4	315.2	49,800	79.3	310.7	39,500*	95
	100	74.6	316.0	42,600	76.5	313.7	45,400	78.3	309.2	38,800*	100
	105	73.6	314.4	38,900	75.5	312.1	41,500	77.4	307.6	38,100*	105
	110	72.7	312.7	35,500	74.6	310.5	38,000	76.4	305.9	37,400*	110
	115	71.8	311.0	32,500	73.6	308.7	34,800	75.5	304.1	36,700*	115
	120	70.8	309.2	29,700	72.7	306.9	31,900	74.5	302.2	34,100	120
	125	69.9	307.2	27,200	71.7	304.9	29,300	73.5	300.2	31,300	125
	130	68.9	305.2	24,900	70.7	302.9	26,800	72.5	298.1	28,800	130
	140	67.0	300.8	20,800	68.8	298.5	22,600	70.5	293.7	24,300	140
	150	65.0	296.1	17,300	66.8	293.7	18,900	68.5	288.8	20,500	150
	160	63.0	290.9	14,300	64.8	288.4	15,700	66.5	283.5	17,100	160
	170	60.9	285.2	11,600	62.7	282.7	13,000	64.4	277.6	14,200	170
	180	58.8	279.1	9,300	60.6	276.5	10,500	62.2	271.3	11,600	180
	190	56.7	272.4	7,200	58.4	269.8	8,300	60.0	264.4	9,300	190
	200	54.5	265.2	5,400	56.2	262.5	6,400	57.7	257.0	7,300	200
	210				53.9	254.5	4,600	55.4	248.9	5,400	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 LONG REACH 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	
270	70	80.4	333.7	60,000* ^b							70
	75	79.5	332.7	60,000* ^b							75
	80	78.6	331.6	60,000*	80.5	329.4	58,900*				80
	85	77.7	330.4	56,200	79.6	328.2	57,400*				85
	90	76.8	329.2	50,800	78.7	326.9	54,100	80.5	322.4	40,600*	90
	95	76.0	327.8	46,100	77.8	325.6	49,100	79.6	321.0	39,800*	95
	100	75.1	326.4	41,900	76.9	324.1	44,700	78.7	319.6	39,100*	100
	105	74.2	324.9	38,100	76.0	322.6	40,800	77.8	318.0	38,400*	105
	110	73.2	323.3	34,700	75.1	321.0	37,300	76.9	316.4	37,700*	110
	115	72.3	321.6	31,700	74.1	319.3	34,100	75.9	314.7	36,500	115
	120	71.4	319.8	28,900	73.2	317.5	31,200	75.0	312.8	33,500	120
	125	70.5	317.9	26,400	72.3	315.6	28,600	74.1	310.9	30,700	125
	130	69.6	316.0	24,100	71.4	313.7	26,100	73.1	308.9	28,200	130
	140	67.7	311.8	20,000	69.5	309.4	21,900	71.2	304.6	23,700	140
	150	65.8	307.2	16,500	67.6	304.8	18,200	69.2	299.9	19,800	150
	160	63.9	302.2	13,500	65.6	299.7	15,000	67.3	294.8	16,500	160
	170	61.9	296.8	10,800	63.6	294.3	12,200	65.2	289.2	13,500	170
	180	59.9	290.9	8,500	61.6	288.3	9,800	63.2	283.2	11,000	180
	190	57.9	284.5	6,400	59.5	281.9	7,600	61.1	276.6	8,600	190
	200	55.8	277.6	4,600	57.4	274.9	5,600	58.9	269.5	6,600	200
	210							56.7	261.8	4,700	210
280	70	80.7	343.9	60,000* ^b							70
	75	79.8	342.9	60,000* ^b							75
	80	79.0	341.8	60,000*	80.8	339.6	57,100*				80
	85	78.1	340.7	55,300	79.9	338.4	56,500*				85
	90	77.2	339.5	50,000	79.0	337.2	53,400	80.8	332.7	40,900*	90
	95	76.4	338.2	45,200	78.2	335.9	48,400	80.0	331.4	40,100*	95
	100	75.5	336.8	41,000	77.3	334.5	44,000	79.1	329.9	39,400*	100
	105	74.6	335.3	37,300	76.4	333.0	40,100	78.2	328.4	38,700*	105
	110	73.8	333.8	33,900	75.5	331.5	36,500	77.3	326.9	38,000*	110
	115	72.9	332.1	30,800	74.6	329.8	33,300	76.4	325.2	35,900	115
	120	72.0	330.4	28,100	73.7	328.1	30,400	75.5	323.4	32,800	120
	125	71.1	328.6	25,500	72.8	326.3	27,800	74.6	321.6	30,000	125
	130	70.2	326.7	23,200	71.9	324.4	25,400	73.6	319.7	27,500	130
	140	68.4	322.7	19,100	70.1	320.3	21,100	71.8	315.5	23,000	140
	150	66.6	318.2	15,600	68.3	315.8	17,400	69.9	311.0	19,100	150
	160	64.7	313.4	12,600	66.4	311.0	14,200	68.0	306.0	15,700	160
	170	62.8	308.2	9,900	64.5	305.7	11,400	66.1	300.7	12,800	170
	180	60.9	302.5	7,600	62.5	300.0	8,900	64.1	294.9	10,200	180
	190	58.9	296.4	5,500	60.6	293.8	6,700	62.1	288.6	7,900	190
	200				58.5	287.1	4,800	60.0	281.8	5,800	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 LONG REACH 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.	POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	JIB CAPACITY POUNDS	BOOM ANG. DEG.	POINT ELEV. FEET	JIB CAPACITY POUNDS	
190	65	79.9	273.4	51,400*							65
	70	78.8	272.2	50,500*							70
	75	77.7	271.0	49,700*	80.8	268.4	44,500*				75
	80	76.7	269.6	48,900*	79.7	267.0	43,800*				80
	85	75.6	268.2	48,200*	78.6	265.5	43,300*				85
	90	74.5	266.6	47,400*	77.5	264.0	42,700*	80.5	258.6	32,000*	90
	95	73.3	264.9	46,700*	76.3	262.3	42,200*	79.4	256.9	31,200*	95
	100	72.2	263.2	46,000*	75.2	260.5	41,600*	78.2	255.1	30,400*	100
	105	71.1	261.3	44,900	74.1	258.6	41,100*	77.1	253.1	29,700*	105
	110	70.0	259.3	41,500	72.9	256.5	40,600*	75.9	251.0	29,000*	110
	115	68.8	257.1	38,500	71.8	254.4	40,100*	74.7	248.8	28,400*	115
	120	67.7	254.9	35,800	70.6	252.1	37,800	73.5	246.5	27,800*	120
	125	66.5	252.5	33,200	69.4	249.8	35,200	72.3	244.1	27,200*	125
	130	65.3	250.1	30,900	68.2	247.2	32,800	71.1	241.5	26,700*	130
	140	62.9	244.7	26,900	65.8	241.8	28,500	68.6	235.9	25,600*	140
	150	60.5	238.8	23,400	63.3	235.8	24,900	66.0	229.8	24,700*	150
	160	58.0	232.2	20,300	60.8	229.2	21,700	63.4	223.0	23,000	160
	170	55.4	225.1	17,700	58.1	221.9	18,900	60.7	215.5	20,000	170
	180	52.7	217.1	15,400	55.4	213.9	16,400	57.9	207.2	17,400	180
	190	49.9	208.4	13,300	52.6	205.0	14,200	54.9	198.0	15,100	190
	200	46.9	198.8	11,400	49.6	195.2	12,300	51.8	187.8	13,000	200
	210	43.9	188.1	9,700	46.4	184.3	10,500	48.6	176.4	11,100	210
	220	40.6	176.1	8,200	43.1	172.0	8,900				220
	230	37.0	162.6	6,800	39.4	158.1	7,400				230
	240	33.1	147.0	5,600	35.4	142.0	6,000				240
	250	28.7	128.6	4,400							250
200	65	80.3	283.6	51,700*							65
	70	79.2	282.5	50,800*							70
	75	78.2	281.3	50,000*							75
	80	77.1	280.0	49,300*	80.1	277.3	44,000*				80
	85	76.1	278.6	48,500*	79.0	275.9	43,500*				85
	90	75.0	277.1	47,800*	77.9	274.4	42,900*	80.9	269.0	32,200*	90
	95	74.0	275.5	47,100*	76.8	272.8	42,400*	79.8	267.4	31,500*	95
	100	72.9	273.8	46,400*	75.8	271.1	41,900*	78.7	265.6	30,700*	100
	105	71.8	272.0	44,100	74.7	269.2	41,400*	77.6	263.7	30,000*	105
	110	70.7	270.0	40,700	73.6	267.3	40,900*	76.4	261.7	29,400*	110
	115	69.6	268.0	37,700	72.5	265.2	40,000	75.3	259.6	28,700*	115
	120	68.5	265.9	34,900	71.3	263.1	37,100	74.2	257.4	28,100*	120
	125	67.4	263.6	32,400	70.2	260.8	34,500	73.0	255.1	27,600*	125
	130	66.3	261.2	30,100	69.1	258.4	32,100	71.8	252.6	27,000*	130
	140	64.0	256.1	26,000	66.8	253.2	27,800	69.5	247.3	26,000*	140
	150	61.6	250.5	22,500	64.4	247.5	24,100	67.0	241.5	25,100*	150
	160	59.3	244.2	19,500	62.0	241.2	20,900	64.6	235.0	22,300	160
	170	56.8	237.4	16,800	59.5	234.3	18,100	62.0	227.9	19,300	170
	180	54.3	230.0	14,500	56.9	226.7	15,600	59.3	220.1	16,700	180
	190	51.6	221.8	12,400	54.2	218.4	13,400	56.6	211.5	14,400	190
	200	48.9	212.8	10,500	51.5	209.3	11,500	53.7	202.0	12,300	200
	210	46.0	202.8	8,800	48.5	199.1	9,700	50.7	191.5	10,400	210
	220	43.0	191.8	7,300	45.4	187.9	8,000	47.4	179.8	8,700	220
	230	39.8	179.5	5,900	42.1	175.3	6,600				230
	240	36.3	165.6	4,700	38.6	161.0	5,200				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 LONG REACH 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	80.6	293.8	52,000*							65
	70	79.6	292.7	51,100*							70
	75	78.6	291.6	50,400*							75
	80	77.6	290.3	49,600*	80.4	287.6	44,200*				80
	85	76.6	289.0	48,900*	79.4	286.3	43,700*				85
	90	75.6	287.5	48,200*	78.4	284.8	43,100*				90
	95	74.5	286.0	47,500*	77.3	283.3	42,600*	80.2	277.8	31,700*	95
	100	73.5	284.3	46,800*	76.3	281.6	42,100*	79.1	276.1	31,000*	100
	105	72.5	282.6	43,600	75.2	279.9	41,600*	78.0	274.3	30,300*	105
	110	71.4	280.8	40,300	74.2	278.0	41,100*	76.9	272.4	29,700*	110
	115	70.4	278.8	37,200	73.1	276.0	39,600	75.9	270.4	29,000*	115
	120	69.3	276.7	34,500	72.0	273.9	36,700	74.8	268.3	28,400*	120
	125	68.2	274.6	31,900	70.9	271.7	34,100	73.7	266.0	27,900*	125
	130	67.1	272.3	29,600	69.9	269.4	31,700	72.5	263.7	27,300*	130
	140	65.0	267.4	25,500	67.6	264.5	27,400	70.3	258.6	26,300*	140
	150	62.7	262.0	22,000	65.4	259.0	23,700	68.0	253.0	25,300	150
	160	60.4	256.1	19,000	63.1	253.0	20,500	65.6	246.9	22,000	160
	170	58.1	249.6	16,400	60.7	246.5	17,700	63.2	240.1	19,000	170
	180	55.7	242.5	14,000	58.3	239.3	15,200	60.7	232.8	16,400	180
	190	53.2	234.8	11,900	55.7	231.5	13,000	58.1	224.7	14,100	190
	200	50.6	226.3	10,100	53.1	222.9	11,100	55.4	215.8	12,000	200
	210	48.0	217.0	8,400	50.4	213.4	9,300	52.5	206.0	10,100	210
	220	45.1	206.8	6,900	47.5	203.0	7,700	49.6	195.2	8,300	220
	230	42.2	195.5	5,500	44.5	191.4	6,200	46.4	183.1	6,700	230
	240	39.0	182.9	4,200	41.3	178.5	4,800				240
220	65	80.9	304.0	52,200*							65
	70	80.0	303.0	51,400*							70
	75	79.0	301.8	50,600*							75
	80	78.0	300.6	49,900*	80.7	297.9	44,400*				80
	85	77.0	299.3	49,200*	79.8	296.6	43,900*				85
	90	76.0	297.9	48,500*	78.8	295.2	43,300*				90
	95	75.1	296.5	47,800*	77.8	293.7	42,800*	80.5	288.2	32,000*	95
	100	74.1	294.9	46,600	76.8	292.1	42,300*	79.5	286.6	31,300*	100
	105	73.1	293.2	42,800	75.7	290.4	41,800*	78.5	284.8	30,600*	105
	110	72.1	291.4	39,500	74.7	288.6	41,400*	77.4	283.0	30,000*	110
	115	71.0	289.5	36,400	73.7	286.7	39,000	76.4	281.1	29,300*	115
	120	70.0	287.6	33,600	72.7	284.7	36,000	75.3	279.0	28,800*	120
	125	69.0	285.5	31,100	71.6	282.6	33,400	74.3	276.9	28,200*	125
	130	68.0	283.3	28,800	70.6	280.4	31,000	73.2	274.6	27,700*	130
	140	65.9	278.6	24,700	68.5	275.7	26,600	71.0	269.7	26,700*	140
	150	63.7	273.4	21,200	66.3	270.4	23,000	68.8	264.4	24,700	150
	160	61.5	267.8	18,200	64.1	264.7	19,700	66.5	258.5	21,300	160
	170	59.3	261.6	15,500	61.8	258.5	16,900	64.2	252.1	18,300	170
	180	57.0	254.8	13,100	59.5	251.6	14,500	61.8	245.1	15,700	180
	190	54.7	247.5	11,100	57.1	244.2	12,200	59.4	237.5	13,400	190
	200	52.2	239.5	9,200	54.7	236.1	10,300	56.8	229.1	11,300	200
	210	49.7	230.8	7,500	52.1	227.2	8,500	54.2	219.9	9,400	210
	220	47.1	221.2	6,000	49.4	217.5	6,900	51.4	209.9	7,600	220
	230	44.3	210.7	4,600	46.6	206.8	5,400	48.5	198.7	6,000	230
	240				43.6	194.9	4,000				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 LONG REACH 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	
230	70	80.3	313.2	51,700*							70
	75	79.4	312.1	50,900*							75
	80	78.4	310.9	50,200*							80
	85	77.5	309.7	49,500*	80.1	306.9	44,000*				85
	90	76.5	308.3	48,800*	79.1	305.6	43,500*				90
	95	75.6	306.9	48,100*	78.2	304.1	43,000*	80.8	298.6	32,200*	95
	100	74.6	305.4	45,900	77.2	302.6	42,500*	79.8	297.0	31,500*	100
	105	73.6	303.7	42,100	76.2	301.0	42,100*	78.9	295.3	30,900*	105
	110	72.7	302.0	38,700	75.2	299.2	41,600*	77.9	293.6	30,200*	110
	115	71.7	300.2	35,700	74.3	297.4	38,300	76.8	291.7	29,600*	115
	120	70.7	298.3	32,900	73.3	295.5	35,400	75.8	289.7	29,000*	120
	125	69.7	296.3	30,400	72.3	293.5	32,800	74.8	287.7	28,500*	125
	130	68.7	294.2	28,000	71.3	291.3	30,300	73.8	285.5	28,000*	130
	140	66.7	289.7	23,900	69.2	286.8	26,000	71.7	280.8	27,000*	140
	150	64.6	284.7	20,400	67.1	281.7	22,300	69.6	275.7	24,100	150
	160	62.5	279.3	17,400	65.0	276.3	19,100	67.4	270.1	20,700	160
	170	60.4	273.4	14,700	62.9	270.3	16,200	65.2	264.0	17,700	170
	180	58.2	267.0	12,400	60.7	263.8	13,800	62.9	257.3	15,100	180
	190	56.0	260.0	10,300	58.4	256.7	11,500	60.6	250.0	12,700	190
	200	53.7	252.4	8,400	56.0	249.0	9,600	58.2	242.1	10,600	200
	210	51.3	244.1	6,700	53.6	240.6	7,800	55.7	233.5	8,700	210
	220	48.8	235.1	5,200	51.1	231.5	6,100	53.1	224.0	7,000	220
	230				48.5	221.5	4,600	50.4	213.7	5,400	230
240	70	80.6	323.4	51,900*							70
	75	79.7	322.3	51,200*							75
	80	78.8	321.2	50,500*							80
	85	77.9	320.0	49,800*	80.4	317.2	44,200*				85
	90	76.9	318.7	49,100*	79.5	315.9	43,700*				90
	95	76.0	317.3	48,400*	78.6	314.5	43,200*				95
	100	75.1	315.8	45,100	77.6	313.0	42,700*	80.2	307.4	31,800*	100
	105	74.2	314.3	41,300	76.7	311.5	42,300*	79.2	305.8	31,100*	105
	110	73.2	312.6	37,900	75.7	309.8	40,900	78.3	304.1	30,500*	110
	115	72.3	310.9	34,800	74.8	308.0	37,700	77.3	302.3	29,900*	115
	120	71.3	309.0	32,100	73.8	306.2	34,700	76.3	300.4	29,300*	120
	125	70.4	307.1	29,500	72.9	304.2	32,000	75.3	298.4	28,800*	125
	130	69.4	305.1	27,200	71.9	302.2	29,600	74.3	296.3	28,200*	130
	140	67.5	300.7	23,100	69.9	297.8	25,200	72.3	291.8	27,300*	140
	150	65.5	295.9	19,600	67.9	292.9	21,500	70.3	286.9	23,500	150
	160	63.5	290.7	16,500	65.9	287.7	18,300	68.2	281.5	20,000	160
	170	61.4	285.1	13,800	63.8	282.0	15,500	66.1	275.7	17,000	170
	180	59.3	278.9	11,500	61.7	275.7	13,000	63.9	269.3	14,400	180
	190	57.2	272.2	9,400	59.5	269.0	10,700	61.7	262.4	12,000	190
	200	55.0	265.0	7,500	57.3	261.7	8,700	59.4	254.8	9,900	200
	210	52.7	257.2	5,800	55.0	253.7	6,900	57.1	246.7	8,000	210
	220	50.4	248.7	4,300	52.7	245.1	5,300	54.6	237.8	6,200	220
	230							52.1	228.0	4,600	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 LONG REACH 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	
250	70	80.9	333.6	52,100*							70
	75	80.0	332.6	51,400*							75
	80	79.1	331.5	50,700*							80
	85	78.2	330.3	50,000*	80.7	327.5	44,300*				85
	90	77.3	329.0	49,400*	79.8	326.2	43,800*				90
	95	76.4	327.7	48,700*	78.9	324.9	43,400*				95
	100	75.6	326.3	44,600	78.0	323.4	42,900*	80.5	317.8	32,000*	100
	105	74.6	324.7	40,800	77.1	321.9	42,500*	79.6	316.2	31,300*	105
	110	73.7	323.1	37,400	76.2	320.3	40,500	78.6	314.6	30,700*	110
	115	72.8	321.5	34,300	75.3	318.6	37,200	77.7	312.8	30,100*	115
	120	71.9	319.7	31,600	74.3	316.8	34,300	76.8	311.0	29,600*	120
	125	71.0	317.8	29,000	73.4	314.9	31,600	75.8	309.1	29,000*	125
	130	70.1	315.9	26,700	72.5	312.9	29,200	74.9	307.1	28,500*	130
	140	68.2	311.7	22,600	70.6	308.7	24,800	72.9	302.7	27,000	140
	150	66.3	307.1	19,100	68.7	304.1	21,100	71.0	298.0	23,100	150
	160	64.4	302.0	16,000	66.7	299.0	17,800	69.0	292.8	19,700	160
	170	62.4	296.6	13,300	64.7	293.5	15,000	66.9	287.2	16,700	170
	180	60.4	290.7	11,000	62.7	287.5	12,500	64.9	281.1	14,000	180
	190	58.3	284.3	8,900	60.6	281.1	10,300	62.7	274.5	11,600	190
	200	56.2	277.4	7,000	58.5	274.1	8,300	60.6	267.3	9,500	200
	210	54.1	269.9	5,300	56.3	266.5	6,500	58.3	259.6	7,600	210
	220				54.1	258.3	4,900	56.0	251.1	5,800	220
	230							53.6	242.0	4,200	230
260	75	80.3	342.8	51,700*							75
	80	79.4	341.7	51,000*							80
	85	78.6	340.6	50,300*							85
	90	77.7	339.3	49,700*	80.1	336.5	44,000*				90
	95	76.9	338.0	48,000	79.2	335.2	43,500*				95
	100	76.0	336.7	43,800	78.4	333.8	43,100*	80.8	328.1	32,200*	100
	105	75.1	335.2	40,000	77.5	332.3	42,600*	79.9	326.6	31,600*	105
	110	74.2	333.6	36,600	76.6	330.8	39,800	79.0	325.0	31,000*	110
	115	73.4	332.0	33,500	75.7	329.1	36,600	78.1	323.3	30,400*	115
	120	72.5	330.3	30,700	74.8	327.4	33,600	77.2	321.6	29,800*	120
	125	71.6	328.5	28,200	73.9	325.6	30,900	76.3	319.7	29,300*	125
	130	70.7	326.6	25,900	73.0	323.7	28,400	75.3	317.8	28,800*	130
	140	68.9	322.5	21,700	71.2	319.6	24,100	73.5	313.6	26,400	140
	150	67.0	318.1	18,200	69.3	315.1	20,300	71.6	309.0	22,400	150
	160	65.2	313.3	15,100	67.5	310.2	17,100	69.7	304.1	19,000	160
	170	63.3	308.0	12,500	65.5	304.9	14,200	67.7	298.6	16,000	170
	180	61.4	302.4	10,100	63.6	299.2	11,700	65.7	292.8	13,300	180
	190	59.4	296.2	8,000	61.6	293.0	9,500	63.7	286.5	10,900	190
	200	57.4	289.6	6,100	59.6	286.3	7,500	61.6	279.6	8,800	200
	210	55.3	282.5	4,400	57.5	279.1	5,700	59.5	272.2	6,900	210
	220				55.3	271.3	4,000	57.3	264.2	5,100	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 LONG REACH 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	
2 7 0	75	80.6	353.0	51,900*							75
	80	79.8	351.9	51,200*							80
	85	78.9	350.8	50,500*							85
	90	78.1	349.6	49,900*	80.4	346.8	44,100*				90
	95	77.2	348.4	47,300	79.6	345.5	43,700*				95
	100	76.4	347.0	43,100	78.7	344.2	43,200*				100
	105	75.5	345.6	39,300	77.9	342.8	42,800*	80.2	337.0	31,800*	105
	110	74.7	344.1	35,900	77.0	341.2	39,200	79.3	335.4	31,200*	110
	115	73.8	342.5	32,800	76.1	339.6	35,900	78.5	333.8	30,600*	115
	120	73.0	340.9	30,000	75.3	338.0	33,000	77.6	332.1	30,100*	120
	125	72.1	339.1	27,400	74.4	336.2	30,300	76.7	330.3	29,500*	125
	130	71.3	337.3	25,100	73.5	334.4	27,800	75.8	328.4	29,000*	130
	140	69.5	333.4	21,000	71.8	330.4	23,400	74.0	324.4	25,800	140
	150	67.7	329.1	17,400	70.0	326.1	19,600	72.2	320.0	21,900	150
	160	65.9	324.4	14,400	68.2	321.4	16,400	70.3	315.2	18,400	160
	170	64.1	319.4	11,700	66.3	316.3	13,500	68.4	310.0	15,400	170
	180	62.3	313.9	9,300	64.4	310.8	11,000	66.5	304.4	12,700	180
	190	60.4	308.0	7,200	62.5	304.8	8,800	64.6	298.3	10,300	190
	200	58.4	301.7	5,300	60.6	298.4	6,800	62.6	291.7	8,100	200
	210				58.6	291.5	5,000	60.5	284.6	6,200	210
	220							58.4	277.0	4,400	220

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 LONG REACH 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	
190	65	80.9	293.9	41,100*							65
	70	79.9	292.8	40,400*							70
	75	78.9	291.6	39,800*							75
	80	77.9	290.4	39,100*							80
	85	76.9	289.0	38,500*	80.4	286.2	34,400*				85
	90	75.8	287.6	37,900*	79.4	284.7	33,900*				90
	95	74.8	286.0	37,300*	78.3	283.1	33,300*				95
	100	73.8	284.4	36,700*	77.3	281.5	32,700*				100
	105	72.7	282.6	36,100*	76.2	279.7	32,200*	80.1	274.0	25,500*	105
	110	71.7	280.8	35,500*	75.2	277.9	31,700*	79.0	272.2	24,900*	110
	115	70.6	278.9	35,000*	74.1	275.9	31,200*	77.9	270.2	24,300*	115
	120	69.6	276.8	34,500*	73.0	273.8	30,700*	76.8	268.1	23,800*	120
	125	68.5	274.6	33,700	72.0	271.6	30,200*	75.7	265.8	23,200*	125
	130	67.4	272.4	31,400	70.9	269.3	29,700*	74.6	263.5	22,700*	130
	140	65.2	267.4	27,300	68.7	264.3	28,800*	72.3	258.5	21,800*	140
	150	63.0	262.0	23,800	66.4	258.9	25,700	70.0	252.9	20,900*	150
	160	60.7	256.1	20,800	64.1	252.9	22,500	67.7	246.8	20,200*	160
	170	58.4	249.7	18,100	61.7	246.3	19,700	65.2	240.2	19,400*	170
	180	56.0	242.6	15,800	59.3	239.2	17,200	62.7	232.8	18,700	180
	190	53.5	234.8	13,700	56.8	231.3	15,000	60.1	224.8	16,300	190
	200	50.9	226.4	11,800	54.1	222.7	13,000	57.4	216.0	14,200	200
	210	48.2	217.1	10,200	51.4	213.2	11,200	54.6	206.3	12,300	210
	220	45.4	206.9	8,600	48.5	202.8	9,600	51.6	195.5	10,500	220
	230	42.5	195.6	7,200	45.5	191.3	8,100	48.5	183.6	8,900	230
	240	39.3	183.0	6,000	42.3	178.3	6,700				240
	250	35.9	168.7	4,800	38.8	163.7	5,400				250
	260				34.9	146.8	4,200				260
200	70	80.2	303.0	40,700*							70
	75	79.3	301.9	40,000*							75
	80	78.3	300.7	39,400*							80
	85	77.3	299.4	38,800*	80.7	296.5	34,500*				85
	90	76.3	298.0	38,200*	79.7	295.1	34,000*				90
	95	75.3	296.5	37,600*	78.7	293.6	33,500*				95
	100	74.3	294.9	37,000*	77.7	292.0	33,000*				100
	105	73.3	293.2	36,400*	76.7	290.3	32,400*	80.5	284.5	25,700*	105
	110	72.3	291.5	35,900*	75.7	288.5	31,900*	79.4	282.7	25,100*	110
	115	71.3	289.6	35,300*	74.7	286.6	31,400*	78.4	280.8	24,500*	115
	120	70.3	287.6	34,800*	73.7	284.6	31,000*	77.3	278.8	24,000*	120
	125	69.3	285.5	32,900	72.6	282.5	30,500*	76.3	276.6	23,500*	125
	130	68.2	283.3	30,600	71.6	280.3	30,000*	75.2	274.4	23,000*	130
	140	66.1	278.6	26,500	69.4	275.5	28,700	73.0	269.6	22,100*	140
	150	64.0	273.5	23,000	67.3	270.3	25,000	70.8	264.3	21,200*	150
	160	61.8	267.8	19,900	65.1	264.6	21,700	68.5	258.4	20,400*	160
	170	59.6	261.6	17,300	62.8	258.3	18,900	66.2	252.1	19,700*	170
	180	57.3	254.9	14,900	60.5	251.5	16,400	63.8	245.1	18,100	180
	190	54.9	247.6	12,800	58.1	244.0	14,200	61.4	237.5	15,700	190
	200	52.5	239.6	11,000	55.6	235.9	12,200	58.8	229.2	13,500	200
	210	50.0	230.8	9,300	53.1	227.0	10,400	56.2	220.1	11,600	210
	220	47.3	221.3	7,800	50.4	217.3	8,800	53.4	210.1	9,800	220
	230	44.6	210.8	6,400	47.6	206.6	7,300	50.5	199.0	8,200	230
	240	41.7	199.2	5,100	44.6	194.7	5,900	47.4	186.7	6,700	240
	250				41.4	181.5	4,600				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 LONG REACH 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	80.6	313.2	40,900*							70
	75	79.6	312.1	40,300*							75
	80	78.7	311.0	39,600*							80
	85	77.7	309.7	39,000*							85
	90	76.8	308.4	38,400*	80.1	305.4	34,200*				90
	95	75.8	306.9	37,800*	79.1	304.0	33,700*				95
	100	74.9	305.4	37,300*	78.2	302.4	33,200*				100
	105	73.9	303.8	36,700*	77.2	300.8	32,700*	80.8	294.9	25,900*	105
	110	72.9	302.1	36,200*	76.2	299.1	32,200*	79.8	293.2	25,300*	110
	115	71.9	300.3	35,700*	75.2	297.2	31,700*	78.8	291.3	24,800*	115
	120	71.0	298.4	35,000	74.2	295.3	31,200*	77.8	289.4	24,200*	120
	125	70.0	296.4	32,400	73.2	293.3	30,700*	76.7	287.4	23,700*	125
	130	69.0	294.3	30,100	72.2	291.2	30,300*	75.7	285.2	23,200*	130
	140	66.9	289.7	26,000	70.2	286.6	28,300	73.6	280.6	22,300*	140
	150	64.9	284.8	22,500	68.1	281.6	24,600	71.5	275.5	21,500*	150
	160	62.8	279.4	19,500	66.0	276.1	21,300	69.3	269.9	20,700*	160
	170	60.7	273.4	16,800	63.8	270.1	18,500	67.1	263.8	20,000*	170
	180	58.5	267.0	14,400	61.6	263.6	16,000	64.9	257.2	17,700	180
	190	56.2	260.0	12,400	59.3	256.5	13,800	62.5	250.0	15,400	190
	200	53.9	252.4	10,500	57.0	248.8	11,800	60.1	242.1	13,200	200
	210	51.6	244.2	8,800	54.6	240.4	10,000	57.6	233.5	11,300	210
	220	49.1	235.2	7,300	52.1	231.3	8,400	55.0	224.1	9,500	220
	230	46.5	225.3	5,900	49.4	221.2	6,900	52.3	213.8	7,900	230
	240	43.8	214.6	4,600	46.7	210.2	5,500	49.5	202.5	6,400	240
	250				43.7	198.1	4,200	46.4	189.9	5,000	250
220	70	80.8	323.4	41,100*							70
	75	79.9	322.4	40,500*							75
	80	79.0	321.2	39,900*							80
	85	78.1	320.0	39,300*							85
	90	77.2	318.7	38,700*	80.4	315.7	34,300*				90
	95	76.3	317.3	38,100*	79.5	314.3	33,900*				95
	100	75.3	315.9	37,600*	78.5	312.8	33,400*				100
	105	74.4	314.3	37,000*	77.6	311.3	32,900*				105
	110	73.5	312.7	36,500*	76.7	309.6	32,400*	80.1	303.6	25,500*	110
	115	72.5	310.9	36,000*	75.7	307.8	31,900*	79.2	301.9	25,000*	115
	120	71.6	309.1	34,200	74.7	306.0	31,400*	78.2	300.0	24,500*	120
	125	70.6	307.1	31,600	73.8	304.0	31,000*	77.2	298.0	24,000*	125
	130	69.7	305.1	29,300	72.8	302.0	30,500*	76.2	295.9	23,500*	130
	140	67.7	300.7	25,200	70.8	297.6	27,600	74.2	291.5	22,600*	140
	150	65.7	296.0	21,700	68.8	292.7	23,900	72.2	286.6	21,700*	150
	160	63.7	290.8	18,600	66.8	287.5	20,600	70.1	281.3	21,000*	160
	170	61.7	285.1	16,000	64.7	281.8	17,800	68.0	275.4	19,800	170
	180	59.6	279.0	13,600	62.6	275.5	15,300	65.8	269.1	17,100	180
	190	57.5	272.3	11,500	60.5	268.8	13,000	63.6	262.2	14,700	190
	200	55.3	265.1	9,600	58.2	261.4	11,000	61.3	254.8	12,500	200
	210	53.0	257.2	7,900	55.9	253.5	9,200	58.9	246.6	10,600	210
	220	50.7	248.7	6,400	53.6	244.8	7,600	56.5	237.8	8,800	220
	230	48.2	239.5	5,000	51.1	235.4	6,100	53.9	228.1	7,200	230
	240				48.5	225.1	4,700	51.3	217.5	5,700	240
	250							48.5	205.9	4,300	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 LONG REACH 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	
230	75	80.2	332.6	40,700*							75
	80	79.4	331.5	40,100*							80
	85	78.5	330.3	39,500*							85
	90	77.6	329.1	38,900*	80.7	326.0	34,500*				90
	95	76.7	327.7	38,400*	79.8	324.7	34,000*				95
	100	75.8	326.3	37,800*	78.9	323.2	33,600*				100
	105	74.9	324.8	37,300*	78.0	321.7	33,100*				105
	110	74.0	323.2	36,800*	77.1	320.1	32,600*	80.5	314.1	25,700*	110
	115	73.1	321.5	36,200	76.2	318.4	32,100*	79.5	312.4	25,200*	115
	120	72.2	319.7	33,400	75.2	316.6	31,700*	78.6	310.6	24,700*	120
	125	71.2	317.9	30,900	74.3	314.7	31,200*	77.6	308.6	24,200*	125
	130	70.3	315.9	28,600	73.4	312.7	30,800*	76.7	306.6	23,700*	130
	140	68.4	311.7	24,400	71.5	308.5	27,000	74.7	302.4	22,800*	140
	150	66.5	307.1	20,900	69.5	303.9	23,200	72.8	297.7	22,000*	150
	160	64.6	302.1	17,900	67.6	298.8	20,000	70.8	292.5	21,200*	160
	170	62.6	296.7	15,200	65.6	293.3	17,100	68.7	286.9	19,200	170
	180	60.6	290.8	12,800	63.6	287.3	14,600	66.7	280.9	16,500	180
	190	58.6	284.4	10,700	61.5	280.9	12,400	64.5	274.3	14,100	190
	200	56.5	277.5	8,900	59.4	273.9	10,300	62.4	267.2	12,000	200
	210	54.3	270.0	7,200	57.2	266.3	8,500	60.1	259.4	10,000	210
	220	52.1	261.9	5,600	54.9	258.1	6,900	57.8	251.0	8,200	220
	230	49.8	253.2	4,200	52.6	249.2	5,400	55.4	241.9	6,600	230
	240				50.2	239.5	4,000	52.9	232.0	5,100	240
240	75	80.5	342.8	40,900*							75
	80	79.7	341.7	40,300*							80
	85	78.8	340.6	39,700*							85
	90	78.0	339.4	39,200*	81.0	336.3	34,600*				90
	95	77.1	338.1	38,600*	80.1	335.0	34,200*				95
	100	76.2	336.7	38,100*	79.2	333.6	33,700*				100
	105	75.3	335.2	37,600*	78.4	332.1	33,300*				105
	110	74.5	333.7	37,000*	77.5	330.6	32,800*	80.8	324.5	25,900*	110
	115	73.6	332.1	35,400	76.6	328.9	32,300*	79.8	322.8	25,400*	115
	120	72.7	330.3	32,600	75.7	327.2	31,900*	78.9	321.1	24,900*	120
	125	71.8	328.5	30,100	74.8	325.4	31,400*	78.0	319.2	24,400*	125
	130	70.9	326.6	27,700	73.9	323.5	30,700	77.1	317.3	23,900*	130
	140	69.1	322.6	23,600	72.1	319.4	26,300	75.2	313.2	23,000*	140
	150	67.3	318.1	20,100	70.2	314.9	22,500	73.3	308.6	22,200*	150
	160	65.4	313.3	17,000	68.3	310.0	19,200	71.4	303.7	21,500*	160
	170	63.5	308.1	14,300	66.4	304.7	16,400	69.5	298.3	18,600	170
	180	61.6	302.4	12,000	64.5	299.0	13,800	67.5	292.5	15,900	180
	190	59.6	296.3	9,900	62.5	292.8	11,600	65.4	286.2	13,500	190
	200	57.6	289.7	8,000	60.4	286.1	9,600	63.3	279.4	11,300	200
	210	55.6	282.5	6,300	58.3	278.8	7,700	61.2	272.0	9,300	210
	220	53.4	274.8	4,800	56.2	271.0	6,100	59.0	264.0	7,500	220
	230				54.0	262.6	4,600	56.7	255.4	5,900	230
	240							54.4	246.0	4,400	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 LONG REACH 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	
250	75	80.8	353.0	41,100*							75
	80	80.0	352.0	40,500*							80
	85	79.1	350.9	39,900*							85
	90	78.3	349.7	39,400*							90
	95	77.5	348.4	38,800*	80.4	345.3	34,300*				95
	100	76.6	347.1	38,300*	79.6	344.0	33,900*				100
	105	75.8	345.7	37,800*	78.7	342.5	33,400*				105
	110	74.9	344.2	37,300*	77.8	341.0	33,000*				110
	115	74.1	342.6	34,900	77.0	339.4	32,500*	80.2	333.3	25,600*	115
	120	73.2	340.9	32,100	76.1	337.7	32,100*	79.3	331.6	25,100*	120
	125	72.4	339.2	29,600	75.2	336.0	31,700*	78.4	329.8	24,600*	125
	130	71.5	337.3	27,200	74.4	334.1	30,300	77.5	327.9	24,100*	130
	140	69.7	333.4	23,100	72.6	330.2	25,900	75.7	323.9	23,300*	140
	150	68.0	329.1	19,600	70.8	325.8	22,100	73.9	319.5	22,400*	150
	160	66.2	324.5	16,500	69.0	321.1	18,800	72.0	314.8	21,300	160
	170	64.3	319.4	13,800	67.2	316.0	15,900	70.1	309.6	18,300	170
	180	62.5	314.0	11,400	65.3	310.5	13,400	68.2	304.0	15,500	180
	190	60.6	308.1	9,300	63.4	304.6	11,100	66.3	297.9	13,100	190
	200	58.7	301.7	7,500	61.4	298.1	9,100	64.3	291.4	10,900	200
	210	56.7	294.9	5,800	59.4	291.2	7,300	62.2	284.4	8,900	210
	220	54.7	287.5	4,200	57.4	283.7	5,600	60.1	276.7	7,100	220
	230				55.3	275.7	4,100	57.9	268.5	5,500	230
	240							55.7	259.7	4,000	240
260	80	80.3	362.2	40,700*							80
	85	79.5	361.1	40,100*							85
	90	78.6	360.0	39,600*							90
	95	77.8	358.7	39,100*	80.7	355.6	34,400*				95
	100	77.0	357.4	38,500*	79.9	354.3	34,000*				100
	105	76.2	356.1	38,000*	79.0	352.9	33,600*				105
	110	75.4	354.6	37,200	78.2	351.4	33,200*				110
	115	74.5	353.1	34,100	77.4	349.9	32,700*	80.4	343.7	25,700*	115
	120	73.7	351.5	31,300	76.5	348.3	32,300*	79.6	342.0	25,200*	120
	125	72.9	349.8	28,800	75.7	346.6	31,900*	78.7	340.3	24,800*	125
	130	72.0	348.0	26,400	74.8	344.8	29,600	77.9	338.5	24,300*	130
	140	70.3	344.2	22,300	73.1	340.9	25,200	76.1	334.6	23,500*	140
	150	68.6	340.0	18,700	71.4	336.7	21,400	74.4	330.4	22,700*	150
	160	66.9	335.5	15,700	69.6	332.2	18,100	72.6	325.8	20,800	160
	170	65.1	330.7	13,000	67.9	327.3	15,200	70.8	320.8	17,600	170
	180	63.3	325.4	10,600	66.0	321.9	12,700	68.9	315.4	14,900	180
	190	61.5	319.7	8,500	64.2	316.2	10,400	67.0	309.6	12,400	190
	200	59.6	313.6	6,600	62.3	310.0	8,400	65.1	303.3	10,200	200
	210	57.8	307.1	4,900	60.4	303.4	6,500	63.1	296.5	8,300	210
	220				58.4	296.2	4,900	61.1	289.2	6,400	220
	230							59.1	281.4	4,800	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 LONG REACH 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	80.5	313.4	32,800*							70
	75	79.5	312.3	32,100*							75
	80	78.6	311.1	31,500*							80
	85	77.7	309.9	30,800*							85
	90	76.7	308.5	30,100*	81.0	306.0	24,300*				90
	95	75.7	307.1	29,500*	80.0	304.6	23,800*				95
	100	74.8	305.6	28,800*	79.0	303.1	23,300*				100
	105	73.8	304.0	28,200*	78.1	301.4	22,800*				105
	110	72.8	302.2	27,600*	77.1	299.7	22,300*				110
	115	71.9	300.4	27,000*	76.1	297.9	21,800*	80.3	291.4	18,500*	115
	120	70.9	298.5	26,400*	75.1	296.0	21,400*	79.2	289.4	18,200*	120
	125	69.9	296.5	25,800*	74.1	294.0	20,900*	78.2	287.4	17,800*	125
	130	68.9	294.4	25,200*	73.1	291.9	20,500*	77.2	285.2	17,500*	130
	140	66.9	289.9	24,100*	71.1	287.4	19,700*	75.1	280.6	16,900*	140
	150	64.8	284.9	23,000*	69.0	282.5	18,900*	73.0	275.5	16,300*	150
	160	62.7	279.5	20,900	66.9	277.0	18,100*	70.8	269.9	15,700*	160
	170	60.6	273.6	18,300	64.7	271.1	17,500*	68.6	263.9	15,200*	170
	180	58.4	267.2	16,000	62.5	264.7	16,800*	66.3	257.2	14,700*	180
	190	56.2	260.2	13,900	60.3	257.7	15,600	64.0	250.0	14,200*	190
	200	53.9	252.6	12,000	57.9	250.1	13,600	61.6	242.2	13,800*	200
	210	51.5	244.4	10,400	55.5	241.8	11,800	59.1	233.6	13,100	210
	220	49.0	235.4	8,800	53.0	232.7	10,100	56.5	224.2	11,300	220
	230	46.5	225.6	7,500	50.4	222.8	8,700	53.8	213.9	9,700	230
	240	43.8	214.8	6,200	47.7	212.0	7,300	50.9	202.5	8,200	240
	250	40.9	202.9	5,000	44.8	200.0	6,000	47.9	189.9	6,800	250
	260	37.9	189.7	4,000	41.7	186.6	4,800	44.6	175.8	5,500	260
200	70	80.8	323.6	33,000*							70
	75	79.9	322.5	32,400*							75
	80	79.0	321.4	31,700*							80
	85	78.0	320.2	31,100*							85
	90	77.1	318.9	30,400*							90
	95	76.2	317.5	29,800*	80.3	314.9	23,900*				95
	100	75.3	316.0	29,200*	79.4	313.5	23,500*				100
	105	74.3	314.5	28,600*	78.4	311.9	23,000*				105
	110	73.4	312.8	27,900*	77.5	310.3	22,500*				110
	115	72.5	311.1	27,300*	76.5	308.5	22,100*	80.6	301.9	18,600*	115
	120	71.5	309.2	26,800*	75.6	306.7	21,600*	79.6	300.0	18,300*	120
	125	70.6	307.3	26,200*	74.6	304.8	21,200*	78.6	298.0	18,000*	125
	130	69.6	305.3	25,600*	73.7	302.7	20,700*	77.6	295.9	17,600*	130
	140	67.7	300.9	24,500*	71.7	298.4	19,900*	75.6	291.5	17,000*	140
	150	65.7	296.2	23,100	69.7	293.6	19,200*	73.6	286.6	16,400*	150
	160	63.7	291.0	20,100	67.7	288.4	18,400*	71.5	281.2	15,900*	160
	170	61.6	285.3	17,500	65.6	282.7	17,700*	69.4	275.4	15,400*	170
	180	59.5	279.2	15,100	63.5	276.6	17,100*	67.2	269.1	14,900*	180
	190	57.4	272.5	13,000	61.4	269.9	14,900	65.0	262.2	14,400*	190
	200	55.2	265.3	11,200	59.1	262.6	12,800	62.7	254.7	14,000*	200
	210	52.9	257.4	9,500	56.9	254.8	11,000	60.4	246.6	12,400	210
	220	50.6	248.9	8,000	54.5	246.2	9,400	57.9	237.8	10,700	220
	230	48.2	239.7	6,600	52.0	236.9	7,900	55.4	228.1	9,000	230
	240	45.7	229.6	5,300	49.5	226.7	6,500	52.7	217.5	7,500	240
	250	43.0	218.6	4,200	46.8	215.6	5,200	49.9	205.9	6,100	250
	260				43.9	203.3	4,100	46.9	192.9	4,800	260

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 LONG REACH 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	
210	75	80.2	332.8	32,600*							75
	80	79.3	331.7	32,000*							80
	85	78.4	330.5	31,300*							85
	90	77.5	329.2	30,700*							90
	95	76.6	327.9	30,100*	80.6	325.2	24,100*				95
	100	75.7	326.5	29,500*	79.7	323.8	23,600*				100
	105	74.8	325.0	28,900*	78.8	322.3	23,200*				105
	110	73.9	323.4	28,300*	77.9	320.7	22,700*				110
	115	73.0	321.7	27,700*	77.0	319.0	22,300*	80.9	312.3	18,700*	115
	120	72.1	319.9	27,100*	76.1	317.3	21,800*	79.9	310.5	18,400*	120
	125	71.2	318.0	26,500*	75.1	315.4	21,400*	79.0	308.6	18,100*	125
	130	70.2	316.1	26,000*	74.2	313.5	21,000*	78.0	306.6	17,800*	130
	140	68.4	311.9	24,900*	72.3	309.3	20,200*	76.1	302.3	17,200*	140
	150	66.5	307.3	22,700	70.4	304.7	19,400*	74.1	297.6	16,600*	150
	160	64.5	302.3	19,600	68.4	299.7	18,700*	72.2	292.5	16,000*	160
	170	62.6	296.8	17,000	66.5	294.2	18,000*	70.1	286.9	15,500*	170
	180	60.6	290.9	14,600	64.4	288.3	16,700	68.0	280.8	15,000*	180
	190	58.5	284.6	12,500	62.4	281.9	14,500	65.9	274.2	14,600*	190
	200	56.4	277.7	10,700	60.2	275.0	12,400	63.7	267.1	14,100	200
	210	54.3	270.2	9,000	58.1	267.5	10,600	61.5	259.4	12,100	210
220	220	52.1	262.1	7,500	55.8	259.4	9,000	59.2	251.0	10,300	220
	230	49.8	253.4	6,100	53.5	250.6	7,500	56.8	241.9	8,700	230
	240	47.4	243.9	4,800	51.1	241.0	6,100	54.3	231.9	7,200	240
	250				48.6	230.6	4,800	51.6	221.1	5,800	250
	260							48.9	209.1	4,500	260
	75	80.5	343.0	32,800*							75
	80	79.6	341.9	32,200*							80
	85	78.8	340.8	31,600*							85
	90	77.9	339.5	31,000*							90
	95	77.0	338.2	30,400*	80.9	335.6	24,300*				95
	100	76.2	336.9	29,800*	80.0	334.2	23,800*				100
	105	75.3	335.4	29,200*	79.2	332.7	23,300*				105
	110	74.4	333.9	28,600*	78.3	331.2	22,900*				110
	115	73.5	332.2	28,000*	77.4	329.6	22,400*				115
	120	72.6	330.5	27,500*	76.5	327.8	22,000*	80.3	321.0	18,500*	120
	125	71.8	328.7	26,900*	75.6	326.0	21,600*	79.4	319.1	18,200*	125
	130	70.9	326.8	26,400*	74.7	324.2	21,200*	78.4	317.2	17,900*	130
	140	69.0	322.8	25,300*	72.9	320.1	20,400*	76.6	313.1	17,300*	140
	150	67.2	318.3	21,800	71.0	315.7	19,600*	74.7	308.5	16,700*	150
	160	65.4	313.5	18,800	69.1	310.8	18,900*	72.7	303.6	16,200*	160
	170	63.5	308.3	16,100	67.2	305.6	18,300*	70.8	298.2	15,700*	170
	180	61.5	302.6	13,800	65.3	299.9	16,000	68.8	292.4	15,200*	180
	190	59.6	296.5	11,700	63.3	293.8	13,700	66.8	286.1	14,800*	190
	200	57.6	289.9	9,800	61.3	287.2	11,700	64.7	279.3	13,400	200
	210	55.5	282.7	8,200	59.2	280.0	9,900	62.5	271.9	11,500	210
	220	53.4	275.0	6,600	57.1	272.3	8,200	60.3	263.9	9,700	220
	230	51.2	266.7	5,200	54.9	263.9	6,700	58.1	255.3	8,000	230
	240	49.0	257.7	4,000	52.6	254.9	5,300	55.7	245.9	6,500	240
	250				50.2	245.0	4,100	53.2	235.7	5,100	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 LONG REACH 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	
230	75	80.7	353.2	32,900*							75
	80	79.9	352.1	32,400*							80
	85	79.1	351.0	31,800*							85
	90	78.2	349.8	31,200*							90
	95	77.4	348.6	30,600*							95
	100	76.6	347.2	30,000*	80.3	344.5	23,900*				100
	105	75.7	345.8	29,500*	79.5	343.1	23,500*				105
	110	74.9	344.3	28,900*	78.6	341.6	23,000*				110
	115	74.0	342.7	28,300*	77.8	340.0	22,600*				115
	120	73.2	341.1	27,800*	76.9	338.4	22,200*	80.6	331.4	18,600*	120
	125	72.3	339.3	27,200*	76.0	336.6	21,800*	79.7	329.6	18,300*	125
	130	71.4	337.5	26,700*	75.1	334.8	21,400*	78.8	327.8	18,000*	130
	140	69.7	333.6	24,600	73.4	330.9	20,600*	77.0	323.8	17,400*	140
	150	67.9	329.3	21,100	71.6	326.6	19,900*	75.2	319.4	16,900*	150
	160	66.1	324.6	18,100	69.8	321.9	19,200*	73.3	314.6	16,300*	160
	170	64.3	319.6	15,400	67.9	316.9	17,900	71.4	309.4	15,800*	170
	180	62.4	314.1	13,000	66.1	311.4	15,300	69.5	303.8	15,400*	180
	190	60.5	308.3	10,900	64.2	305.5	13,100	67.5	297.8	14,900*	190
	200	58.6	301.9	9,100	62.2	299.2	11,100	65.5	291.2	12,900	200
	210	56.6	295.1	7,400	60.2	292.3	9,200	63.5	284.2	10,900	210
	220	54.6	287.7	5,900	58.2	284.9	7,600	61.4	276.6	9,100	220
	230	52.5	279.8	4,500	56.1	276.9	6,000	59.2	268.4	7,400	230
	240				53.9	268.4	4,700	57.0	259.5	5,900	240
	250							54.7	249.9	4,500	250
240	80	80.2	362.3	32,600*							80
	85	79.4	361.3	32,000*							85
	90	78.6	360.1	31,400*							90
	95	77.8	358.9	30,900*							95
	100	76.9	357.6	30,300*	80.6	354.8	24,100*				100
	105	76.1	356.2	29,700*	79.8	353.4	23,600*				105
	110	75.3	354.8	29,200*	78.9	352.0	23,200*				110
	115	74.5	353.2	28,600*	78.1	350.5	22,800*				115
	120	73.6	351.6	28,100*	77.3	348.9	22,400*	80.8	341.8	18,700*	120
	125	72.8	349.9	27,500*	76.4	347.2	22,000*	80.0	340.1	18,400*	125
	130	72.0	348.2	27,000*	75.6	345.4	21,600*	79.1	338.3	18,100*	130
	140	70.3	344.4	23,800	73.9	341.6	20,800*	77.4	334.4	17,500*	140
	150	68.6	340.2	20,300	72.1	337.5	20,100*	75.6	330.2	17,000*	150
	160	66.8	335.7	17,200	70.4	333.0	19,400*	73.8	325.6	16,500*	160
	170	65.1	330.8	14,500	68.6	328.1	17,200	72.0	320.6	16,000*	170
	180	63.3	325.6	12,200	66.8	322.8	14,600	70.2	315.2	15,500*	180
	190	61.5	319.9	10,100	65.0	317.1	12,400	68.3	309.4	14,500	190
	200	59.6	313.8	8,200	63.1	311.0	10,300	66.4	303.1	12,300	200
	210	57.7	307.2	6,500	61.2	304.4	8,500	64.4	296.3	10,300	210
	220	55.8	300.2	5,000	59.2	297.3	6,800	62.4	289.0	8,400	220
	230				57.2	289.7	5,300	60.3	281.2	6,800	230
	240							58.2	272.7	5,300	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 LONG REACH 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	
250	80	80.5	372.5	32,800*							80
	85	79.7	371.5	32,200*							85
	90	78.9	370.4	31,700*							90
	95	78.1	369.2	31,100*							95
	100	77.3	367.9	30,600*	80.9	365.1	24,200*				100
	105	76.5	366.6	30,000*	80.1	363.8	23,800*				105
	110	75.7	365.2	29,400*	79.3	362.4	23,400*				110
	115	74.9	363.7	28,900*	78.4	360.9	23,000*				115
	120	74.1	362.1	28,400*	77.6	359.3	22,600*				120
	125	73.3	360.5	27,900*	76.8	357.7	22,200*	80.3	350.6	18,500*	125
	130	72.5	358.8	27,300*	76.0	356.0	21,800*	79.4	348.8	18,200*	130
	140	70.8	355.1	23,300	74.3	352.3	21,000*	77.8	345.1	17,700*	140
	150	69.2	351.1	19,800	72.7	348.3	20,300*	76.0	341.0	17,100*	150
	160	67.5	346.7	16,700	71.0	343.9	19,600*	74.3	336.5	16,600*	160
	170	65.8	342.0	14,000	69.3	339.2	16,800	72.6	331.7	16,100*	170
	180	64.1	336.9	11,700	67.5	334.1	14,200	70.8	326.5	15,700*	180
	190	62.3	331.5	9,600	65.7	328.6	11,900	69.0	320.8	14,100	190
	200	60.5	325.6	7,700	63.9	322.7	9,900	67.1	314.8	11,900	200
	210	58.7	319.3	6,000	62.1	316.4	8,000	65.2	308.3	9,900	210
	220	56.8	312.5	4,500	60.2	309.6	6,300	63.3	301.3	8,100	220
	230				58.3	302.3	4,800	61.3	293.8	6,400	230
	240							59.3	285.7	4,900	240
260	80	80.7	382.7	32,900*							80
	85	80.0	381.7	32,400*							85
	90	79.2	380.6	31,900*							90
	95	78.4	379.5	31,300*							95
	100	77.6	378.3	30,800*							100
	105	76.9	377.0	30,200*	80.3	374.1	23,900*				105
	110	76.1	375.6	29,700*	79.6	372.7	23,500*				110
	115	75.3	374.1	29,200*	78.8	371.3	23,100*				115
	120	74.5	372.6	28,700*	78.0	369.8	22,700*				120
	125	73.7	371.0	28,100*	77.2	368.2	22,300*	80.6	361.0	18,600*	125
	130	73.0	369.4	26,600	76.4	366.5	22,000*	79.7	359.3	18,300*	130
	140	71.4	365.8	22,500	74.8	362.9	21,200*	78.1	355.6	17,800*	140
	150	69.7	361.9	18,900	73.2	359.1	20,500*	76.4	351.7	17,200*	150
	160	68.1	357.7	15,900	71.5	354.8	19,000	74.8	347.4	16,700*	160
	170	66.5	353.1	13,200	69.8	350.3	16,100	73.1	342.7	16,300*	170
	180	64.8	348.2	10,800	68.2	345.3	13,500	71.3	337.6	15,800*	180
	190	63.1	342.9	8,700	66.5	340.0	11,200	69.6	332.2	13,500	190
	200	61.4	337.2	6,800	64.7	334.4	9,100	67.8	326.4	11,300	200
	210	59.6	331.1	5,100	62.9	328.2	7,300	66.0	320.1	9,200	210
	220				61.1	321.7	5,600	64.1	313.4	7,400	220
	230				59.3	314.7	4,100	62.2	306.2	5,700	230
	240							60.3	298.5	4,200	240