

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

CAPACITIES FOR VARIOUS BOOM LENGTHS, BOOM ANGLES, LUFFING JIB LENGTHS, AND LUFFING JIB OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD FOR BOOM AND LUFFING JIB LENGTH COMBINATIONS THRU 250' AND NEW YORK CITY CRITERIA OF 1.4 FACTOR APPLIED TO TOTAL MACHINE MOMENT FOR BOOM AND LUFFING JIB LENGTH COMBINATIONS 260' ON UP. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*). CAPACITIES INDICATED BY (b) REQUIRE 4,800 LB. MINIMUM BLOCK WEIGHT.

UPPER LUFFING JIB POINT CAPACITY FOR LIFTCRANE SERVICE WITH SINGLE PART WHIP LINE IS 30,000 LBS. IN ALL CASES, UPPER LUFFING JIB POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR MAIN LUFFING JIB CAPACITIES.

200' BOOM LENGTH REQUIRES 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 LUFFING JIB POINT SHEAVES, IS CONSIDERED PART OF LUFFING JIB LOAD. BOOM AND LUFFING 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. DURING OPERATION, BOOM MUST BE MAINTAINED AT ONE OF THE SELECTED ANGLES SHOWN IN CHART. REFER TO LUFFING JIB ASSEMBLY NO. 172894 OR NO. 174308, WIRE ROPE SPECIFICATION CHART NO. 7638-A, LUFFING JIB RAISING PROCEDURE CHART NO. 7604-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 WHEN WIND IS ABOVE OPERATING CONDITIONS STATED AND LOWERING BOOM AND LUFFING JIB TO GROUND WHEN WIND IS ABOVE 50 MPH. REFER TO MAXIMUM ALLOWABLE WIND CONDITIONS CHART NO. 7656-A.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE WITH BOOM AND LUFFING JIB WITHIN ANGLE RANGE SHOWN IN CAPACITY CHART. REFER TO MAXIMUM ALLOWABLE TRAVEL SPECIFICATION CHART NO. 7678-A.

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. LUFFING JIB ANGLE IS ANGLE BETWEEN HORIZONTAL AND CENTERLINE OF LUFFING JIB BUTT AND INSERTS, AND IS AN INDICATION OF OPERATING RADIUS. IN ALL CASES, OPERATING RADIUS SHALL GOVERN CAPACITY. LUFFING JIB POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF LUFFING 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, 10 PART LUFFING JIB HOIST REEVING, TWO 1-1/2" LUFFING JIB PENDANTS AND BACKSTAYS, 207,000 LB. CRANE COUNTERWEIGHT, AND TWO 30,000 LB. CARBODY COUNTERWEIGHTS.

FOR WINDS GREATER THAN 15 MPH, DO NOT OPERATE LUFFING JIB LENGTHS ABOVE THE FOLLOWING LUFFING JIB ANGLES OR LUFFING JIB MAY COME OVER BACKWARDS WITH ONLY THE LOAD BLOCK.

LUFFING JIB LENGTH - FEET	MAXIMUM LUFFING JIB ANGLE
70 - 120	65 DEGREES
130 - 200	70 DEGREES

WIND LIMITS DURING OPERATION					
BASED ON WIND VELOCITY MEASURED AT 100 FT. ELEVATION WITH VELOCITY FACTOR FOR SUBURBAN AREAS, CITY OUTSKIRTS, AND ROLLING TERRAIN					
25 MPH MAXIMUM WIND VELOCITY		20 MPH MAXIMUM WIND VELOCITY		15 MPH MAXIMUM WIND VELOCITY	
BOOM LENGTH	LUFFING JIB LENGTH	BOOM LENGTH	LUFFING JIB LENGTH	BOOM LENGTH	LUFFING JIB LENGTH
FEET	FEET	FEET	FEET	FEET	FEET
80 - 100	70 - 200	110 - 120	190 - 200	170 - 180	190 - 200
110 - 120	70 - 180	130 - 140	170 - 200	190	160 - 200
130 - 140	70 - 160	150 - 160	160 - 200	200	160 - 170
150 - 160	70 - 150	170 - 180	150 - 180		
170 - 180	70 - 140	190 - 200	120 - 150		
190 - 200	70 - 110				

CONSULT CHART NO. 7745-A FOR LIFTING OFF MAIN BOOM POINT WITH LUFFING JIB ATTACHED.

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NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

80 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
36	69.9	155.4	180,000*b																			36
38	68.1	154.6	174,000*b																			38
40	66.3	153.7	166,800*b																			40
45	61.7	151.2	150,600*b	68.2	154.0	173,500*b																45
50	56.9	148.1	132,700*b	63.7	151.7	156,800*b	67.6	153.0	170,300*b													50
55	51.8	144.4	117,400*	59.0	148.8	142,600*b	63.0	150.6	154,200*b													55
60	46.3	139.9	104,200*	54.0	145.4	124,000*	58.3	147.6	139,500*b													60
65	40.2	134.4	93,500*	48.7	141.2	109,500*	53.3	144.1	121,700*	60.2	147.2	132,100b										65
70	33.2	127.4	84,700*	42.9	136.2	97,900*	47.9	139.8	107,700*	55.3	143.9	120,300										70
75	24.4	117.9	77,200*	36.3	129.9	88,300*	42.0	134.6	96,400*	50.1	140.0	110,300	57.1	142.9	107,500							75
80	9.3	100.1	65,200*	28.5	121.7	80,300*	35.3	128.1	87,100*	44.4	135.2	100,600*	52.0	139.2	99,100							80
85				17.5	109.3	73,500*	27.1	119.5	79,300*	38.0	129.2	90,600*	46.5	134.7	91,900							85
90							15.2	105.8	72,600*	30.6	121.6	82,200*	40.4	129.3	85,600	48.3	133.4	83,400				90
95										20.7	110.7	75,200*	33.5	122.3	80,000	42.4	128.3	77,900				95
100													24.7	113.0	75,000	35.8	121.9	73,100	44.0	126.3	71,200	100
105													10.2	96.0	70,400	27.8	113.5	68,700	37.6	120.3	67,000	105
110																16.4	100.5	64,800	30.1	112.5	63,200	110
115																			20.0	101.3	59,700	115

80 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
36	72.5	166.1	177,500*b																			36
38	71.0	165.4	170,100*b																			38
40	69.4	164.6	163,200*b																			40
45	65.5	162.4	148,000*b																			45
50	61.5	159.9	134,700*	67.2	162.7	153,800*b																50
55	57.3	156.8	118,000*	63.3	160.3	140,200*b	66.6	161.7	151,400*b													55
60	52.9	153.2	104,800*	59.1	157.5	124,800*	62.6	159.2	138,200*b													60
65	48.2	148.9	94,000*	54.8	154.1	110,200*	58.5	156.3	122,400*													65
70	43.1	143.9	85,100*	50.2	150.2	98,400*	54.1	152.9	108,300*	60.2	155.9	119,800										70
75	37.4	137.8	77,600*	45.3	145.5	88,700*	49.5	148.8	96,900*	55.9	152.6	109,900										75
80	30.9	130.2	71,200*	40.0	139.9	80,700*	44.6	144.0	87,500*	51.4	148.8	101,100*	57.5	151.6	98,600							80
85	22.7	119.8	65,600*	33.9	133.0	73,800*	39.1	138.2	79,600*	46.6	144.3	91,000*	53.1	148.0	91,400							85
90	8.6	100.8	56,200*	26.5	124.1	67,900*	32.9	131.1	72,900*	41.3	139.0	82,600*	48.4	143.8	85,200							90
95				16.3	110.7	62,800*	25.3	121.7	67,100*	35.4	132.4	75,500*	43.3	138.8	79,600	49.9	142.3	77,500				95
100							14.1	107.0	62,100*	28.5	124.1	69,400*	37.7	132.7	74,700	44.9	137.6	72,700				100
105										19.3	112.3	64,100*	31.2	125.1	70,200	39.5	131.9	68,400	46.3	135.5	66,500	105
110													23.1	115.0	65,900*	33.4	124.9	64,500	41.0	130.1	62,800	110
115													9.5	96.8	61,000*	25.9	115.8	60,900	35.1	123.5	59,300	115
120																15.2	101.7	57,700	28.0	115.0	56,200	120
125																			18.6	102.9	53,300	125

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207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

80 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
36	74.5	176.5	173,000*																			36
38	73.2	175.9	166,200*																			38
40	71.8	175.3	159,600*																			40
45	68.4	173.4	145,000*																			45
50	64.9	171.1	132,600*	69.9	173.5	150,800*																50
55	61.3	168.5	118,500*	66.4	171.5	137,800*																55
60	57.6	165.5	105,200*	62.9	169.0	125,300*	65.9	170.4	135,900*													60
65	53.7	161.9	94,300*	59.2	166.1	110,600*	62.4	167.9	122,900*													65
70	49.6	157.9	85,300*	55.4	162.8	98,800*	58.7	165.0	108,700*													70
75	45.2	153.1	77,800*	51.4	159.0	89,000*	54.8	161.6	97,200*	60.1	164.5	109,500										75
80	40.5	147.6	71,300*	47.2	154.6	80,900*	50.8	157.7	87,700*	56.4	161.3	101,000										80
85	35.2	141.0	65,800*	42.6	149.4	74,000*	46.5	153.2	79,800*	52.4	157.6	91,300*	57.8	160.3	91,000							85
90	29.1	132.7	60,900*	37.5	143.3	68,100*	41.8	147.9	73,100*	48.2	153.4	82,800*	53.9	156.8	84,800							90
95	21.3	121.7	56,600*	31.8	135.8	62,900*	36.7	141.6	67,300*	43.7	148.4	75,700*	49.8	152.7	79,200							95
100	8.0	101.5	48,900*	24.9	126.3	58,400*	30.9	133.9	62,200*	38.8	142.5	69,500*	45.4	148.0	74,300	51.1	151.2	72,300				100
105				15.3	112.0	54,400*	23.7	123.8	57,800*	33.3	135.5	64,200*	40.7	142.5	69,900	46.8	146.7	68,000				105
110							13.2	108.1	53,800*	26.8	126.5	59,500*	35.4	135.9	66,000	42.2	141.5	64,100	48.0	144.6	62,400	110
115										18.2	113.9	55,400*	29.3	127.8	61,200*	37.1	135.3	60,600	43.5	139.5	59,000	115
120													21.7	116.9	56,900*	31.4	127.7	57,500	38.5	133.6	55,900	120
125													8.9	97.5	53,000*	24.3	117.9	54,500	33.0	126.4	53,000	125
130																14.3	103.0	51,800	26.4	117.4	50,400	130
135																			17.5	104.4	48,000	135

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BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

80 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	74.9	186.4	157,100*																			38
40	73.7	185.8	153,700*																			40
45	70.7	184.1	141,900*																			45
50	67.6	182.1	130,000*																			50
55	64.4	179.8	118,700*	68.9	182.3	135,100*																55
60	61.2	177.2	105,200*	65.8	180.2	124,300*																60
65	57.9	174.1	94,300*	62.6	177.7	110,700*	65.3	179.1	122,900*													65
70	54.4	170.7	85,300*	59.3	174.8	98,800*	62.1	176.6	108,800*													70
75	50.7	166.8	77,700*	55.9	171.5	89,000*	58.8	173.6	97,200*													75
80	46.9	162.3	71,200*	52.3	167.8	80,800*	55.4	170.3	87,700*	60.1	173.2	100,500										80
85	42.8	157.1	65,600*	48.6	163.6	73,900*	51.8	166.5	79,700*	56.7	170.0	91,300*										85
90	38.3	151.1	60,700*	44.6	158.7	68,000*	48.0	162.2	73,000*	53.2	166.4	82,800*	58.0	168.9	84,300							90
95	33.3	144.0	56,400*	40.3	153.1	62,800*	43.9	157.2	67,200*	49.5	162.3	75,600*	54.5	165.5	78,800							95
100	27.5	135.2	52,600*	35.5	146.5	58,200*	39.6	151.5	62,100*	45.6	157.6	69,400*	50.9	161.6	73,900							100
105	20.2	123.5	49,200*	30.1	138.5	54,200*	34.7	144.7	57,600*	41.3	152.2	64,100*	47.0	157.1	69,500	52.0	160.0	67,500				105
110	7.6	102.1	42,800*	23.6	128.3	50,700*	29.2	136.5	53,700*	36.7	145.9	59,400*	42.9	152.0	65,500	48.3	155.7	63,700				110
115				14.5	113.2	47,400*	22.5	125.8	50,200*	31.5	138.3	55,200*	38.5	146.0	61,000*	44.3	150.8	60,200				115
120							12.5	109.2	47,000*	25.3	128.8	51,600*	33.5	138.9	56,700*	39.9	145.2	57,000	45.3	148.8	55,400	120
125										17.2	115.4	48,200*	27.7	130.2	52,900*	35.1	138.5	54,100	41.1	143.3	52,600	125
130													20.5	118.7	49,400*	29.7	130.4	51,500	36.4	136.9	50,000	130
135													8.4	98.2	46,300*	23.0	119.9	49,000	31.2	129.2	47,600	135
140																13.5	104.1	46,700	24.9	119.6	45,400	140
145																			16.6	105.8	43,300	145

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LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

80 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	75.2	196.2	145,700*																			40
45	72.5	194.7	138,300*																			45
50	69.7	192.9	127,100*																			50
55	66.9	190.9	117,300*	70.9	193.0	132,000*																55
60	64.0	188.5	108,300*	68.1	191.1	121,800*																60
65	61.1	185.8	97,000*	65.3	188.9	112,800*	67.7	190.1	120,400*													65
70	58.1	182.8	87,600*	62.4	186.3	101,600*	64.9	187.8	111,700*													70
75	54.9	179.4	79,800*	59.4	183.5	91,500*	61.9	185.2	100,000*													75
80	51.6	175.6	73,100*	56.3	180.2	83,000*	58.9	182.3	90,100*													80
85	48.2	171.3	67,300*	53.1	176.6	75,900*	55.8	179.0	81,900*	60.1	181.8	92,700										85
90	44.5	166.4	62,300*	49.7	172.5	69,700*	52.6	175.3	74,900*	57.0	178.7	85,000*										90
95	40.7	160.8	57,900*	46.1	167.9	64,400*	49.2	171.2	68,900*	53.9	175.2	77,600*										95
100	36.4	154.4	54,000*	42.4	162.6	59,700*	45.6	166.4	63,700*	50.5	171.2	71,200*	55.0	174.2	73,400							100
105	31.7	146.8	50,500*	38.3	156.6	55,600*	41.8	161.1	59,100*	47.0	166.7	65,700*	51.7	170.4	69,000							105
110	26.2	137.5	47,300*	33.8	149.6	51,900*	37.6	154.9	55,000*	43.3	161.6	60,900*	48.3	166.1	65,100	52.8	168.8	63,200				110
115	19.2	125.1	44,400*	28.6	141.1	48,600*	33.1	147.7	51,400*	39.3	155.8	56,600*	44.7	161.3	61,500	49.4	164.7	59,700				115
120	7.2	102.6	35,800*	22.5	130.3	45,700*	27.8	138.9	48,200*	34.9	149.0	52,800*	40.8	155.7	58,100*	45.9	160.0	56,600				120
125				13.8	114.4	42,900*	21.4	127.7	45,300*	30.0	141.0	49,500*	36.6	149.3	54,200*	42.1	154.7	53,700	46.8	157.9	52,100	125
130							11.9	110.2	42,600*	24.1	130.9	46,400*	31.9	141.8	50,700*	38.0	148.6	51,100	43.1	152.8	49,500	130
135										16.3	116.8	43,600*	26.4	132.6	47,500*	33.4	141.5	48,600	39.1	146.9	47,200	135
140													19.5	120.4	44,600*	28.2	132.9	46,400	34.7	140.1	45,000	140
145													8.0	98.8	42,000*	21.9	121.8	44,200	29.7	131.9	42,900	145
150																12.9	105.2	42,200	23.7	121.7	41,000	150
155																			15.8	107.2	39,200	155

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

80 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.0	205.2	130,000*																			45
50	71.5	203.5	124,200*																			50
55	69.0	201.7	114,900*																			55
60	66.4	199.6	106,600*	70.1	201.8	119,300*																60
65	63.7	197.2	96,700*	67.5	199.8	110,700*																65
70	61.0	194.5	87,300*	64.9	197.6	101,300*	67.1	198.8	109,700*													70
75	58.2	191.5	79,400*	62.2	195.0	91,200*	64.5	196.5	99,700*													75
80	55.3	188.1	72,700*	59.4	192.1	82,700*	61.8	193.9	89,800*													80
85	52.4	184.4	66,900*	56.6	188.9	75,500*	59.0	191.0	81,600*	62.8	193.3	92,200										85
90	49.3	180.2	61,900*	53.7	185.4	69,400*	56.2	187.7	74,600*	60.1	190.5	84,700*										90
95	46.0	175.6	57,500*	50.6	181.4	64,000*	53.2	184.1	68,500*	57.3	187.4	77,200*										95
100	42.5	170.3	53,500*	47.4	177.0	59,300*	50.1	180.1	63,300*	54.4	183.9	70,800*										100
105	38.8	164.4	50,000*	44.0	172.0	55,200*	46.9	175.5	58,700*	51.4	180.0	65,300*	55.5	182.9	68,500							105
110	34.8	157.6	46,900*	40.5	166.4	51,500*	43.5	170.5	54,600*	48.2	175.7	60,500*	52.5	179.2	64,600							110
115	30.3	149.5	44,000*	36.6	159.9	48,200*	39.9	164.7	51,000*	44.9	170.9	56,200*	49.4	175.1	61,100							115
120	25.0	139.7	41,500*	32.3	152.5	45,300*	35.9	158.2	47,800*	41.4	165.4	52,400*	46.1	170.4	57,700*	50.4	173.6	56,100				120
125	18.4	126.7	39,100*	27.4	143.5	42,600*	31.6	150.5	44,900*	37.6	159.2	49,100*	42.7	165.2	53,800*	47.2	169.1	53,200				125
130	6.9	103.2	31,600*	21.5	132.2	40,100*	26.6	141.3	42,200*	33.4	152.0	46,000*	39.0	159.3	50,300*	43.8	164.1	50,600	48.0	166.9	49,000	130
135				13.1	115.5	37,800*	20.4	129.4	39,800*	28.7	143.5	43,200*	34.9	152.5	47,100*	40.2	158.4	48,200	44.7	162.0	46,700	135
140							11.4	111.1	37,500*	23.1	132.9	40,700*	30.4	144.5	44,200*	36.3	151.9	45,900	41.1	156.5	44,500	140
145										15.6	118.1	38,400*	25.2	134.8	41,600*	31.9	144.3	43,800	37.3	150.3	42,500	145
150													18.6	122.0	39,300*	27.0	135.3	41,900	33.1	143.0	40,600	150
155													7.6	99.4	37,100*	20.9	123.7	40,000*	28.4	134.4	38,800	155
160																12.3	106.2	37,800*	22.7	123.6	37,200	160
165																			15.0	108.5	35,600	165

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

80 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.3	215.6	122,000*																			45
50	73.0	214.1	117,000*																			50
55	70.6	212.4	112,200*																			55
60	68.3	210.5	104,700*																			60
65	65.9	208.3	96,600*	69.3	210.6	108,600*																65
70	63.4	205.9	87,200*	66.9	208.6	101,300*																70
75	60.9	203.2	79,400*	64.5	206.2	91,100*	66.6	207.5	99,700*													75
80	58.4	200.2	72,600*	62.0	203.7	82,600*	64.1	205.2	89,800*													80
85	55.7	196.8	66,800*	59.5	200.8	75,400*	61.6	202.5	81,500*													85
90	53.0	193.2	61,800*	56.9	197.6	69,300*	59.1	199.6	74,500*	62.6	202.0	84,600*										90
95	50.1	189.1	57,300*	54.2	194.1	63,900*	56.5	196.4	68,400*	60.1	199.2	77,200*										95
100	47.2	184.6	53,400*	51.4	190.2	59,200*	53.8	192.9	63,200*	57.5	196.1	70,800*										100
105	44.1	179.7	49,900*	48.5	185.9	55,100*	50.9	188.9	58,600*	54.8	192.6	65,200*										105
110	40.8	174.1	46,700*	45.4	181.2	51,400*	48.0	184.6	54,500*	52.1	188.9	60,400*	55.8	191.6	64,400							110
115	37.2	167.8	43,900*	42.2	175.9	48,100*	45.0	179.7	50,900*	49.2	184.7	56,100*	53.1	188.0	60,800							115
120	33.4	160.6	41,300*	38.8	169.9	45,100*	41.7	174.3	47,600*	46.2	180.0	52,300*	50.3	184.0	57,600							120
125	29.0	152.1	39,000*	35.1	163.1	42,400*	38.2	168.2	44,700*	43.0	174.9	48,900*	47.3	179.5	53,700*	51.2	182.4	53,000				125
130	24.0	141.8	36,800*	31.0	155.2	40,000*	34.5	161.3	42,100*	39.6	169.1	45,900*	44.2	174.5	50,100*	48.2	178.1	50,300				130
135	17.6	128.3	34,800*	26.3	145.8	37,700*	30.3	153.2	39,600*	36.0	162.5	43,100*	40.9	169.0	47,000*	45.2	173.3	47,900				135
140	6.6	103.7	28,100*	20.6	134.0	35,700*	25.5	143.5	37,400*	32.0	154.9	40,600*	37.4	162.7	44,100*	42.0	167.9	45,700	46.0	171.2	44,300	140
145				12.6	116.6	33,700*	19.6	131.2	35,400*	27.5	146.0	38,300*	33.5	155.5	41,500*	38.5	161.9	43,600	42.8	166.0	42,300	145
150							10.9	112.1	33,500*	22.1	134.8	36,200*	29.2	147.1	39,100*	34.8	155.1	41,700	39.4	160.2	40,400	150
155										15.0	119.4	34,200*	24.2	136.9	37,000*	30.6	147.1	39,900*	35.8	153.5	38,700	155
160													17.9	123.5	34,900*	25.9	137.6	37,600*	31.8	145.9	37,000	160
165													7.3	100.0	33,100*	20.1	125.4	35,600*	27.2	136.8	35,500	165
170																11.8	107.2	33,700*	21.8	125.6	34,000	170
175																			14.4	109.7	32,700	175

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

80 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.2	224.5	108,600*																			50
55	72.1	223.0	104,300*																			55
60	69.9	221.2	100,200*																			60
65	67.7	219.2	95,400*	70.8	221.3	103,000*																65
70	65.5	217.0	87,500*	68.7	219.4	98,900*																70
75	63.2	214.5	79,500*	66.4	217.3	91,400*																75
80	60.9	211.8	72,700*	64.2	214.9	82,800*	66.1	216.2	90,100*													80
85	58.5	208.8	66,800*	61.9	212.3	75,500*	63.8	213.9	81,700*													85
90	56.0	205.5	61,700*	59.5	209.5	69,300*	61.5	211.2	74,500*													90
95	53.5	201.9	57,200*	57.1	206.3	63,800*	59.1	208.3	68,400*	62.4	210.6	77,300*										95
100	50.9	198.0	53,200*	54.6	202.8	59,100*	56.7	205.1	63,100*	60.1	207.8	70,800*										100
105	48.2	193.6	49,700*	52.0	199.1	54,900*	54.2	201.6	58,400*	57.7	204.7	65,200*										105
110	45.4	188.9	46,500*	49.4	194.9	51,200*	51.6	197.7	54,300*	55.2	201.4	60,300*										110
115	42.4	183.6	43,600*	46.6	190.3	47,800*	49.0	193.5	50,700*	52.7	197.6	55,900*	56.1	200.3	60,300							115
120	39.2	177.7	41,000*	43.7	185.2	44,800*	46.2	188.9	47,400*	50.0	193.6	52,100*	53.6	196.8	57,100							120
125	35.8	171.0	38,600*	40.6	179.6	42,100*	43.2	183.7	44,400*	47.3	189.1	48,700*	51.0	192.8	53,500*							125
130	32.1	163.4	36,500*	37.3	173.3	39,700*	40.1	178.0	41,800*	44.4	184.1	45,600*	48.3	188.5	49,900*	51.8	191.3	49,800				130
135	27.9	154.6	34,500*	33.7	166.1	37,400*	36.8	171.6	39,300*	41.4	178.7	42,800*	45.5	183.7	46,700*	49.2	187.1	47,400				135
140	23.1	143.9	32,600*	29.8	157.9	35,300*	33.2	164.3	37,100*	38.1	172.5	40,300*	42.5	178.4	43,800*	46.4	182.4	45,200				140
145	16.9	129.7	30,900*	25.3	148.1	33,400*	29.1	155.8	35,000*	34.6	165.6	38,000*	39.3	172.6	41,200*	43.4	177.3	43,200	47.1	180.3	41,700	145
150	6.3	104.2	25,000*	19.8	135.7	31,600*	24.5	145.7	33,100*	30.8	157.7	35,900*	35.9	166.0	38,800*	40.3	171.6	41,300	44.2	175.3	39,900	150
155				12.1	117.6	30,000*	18.9	132.8	31,400*	26.4	148.3	33,900*	32.2	158.4	36,600*	37.0	165.3	39,500	41.2	169.8	38,200	155
160							10.5	112.9	29,700*	21.3	136.7	32,100*	28.1	149.6	34,600*	33.4	158.1	37,300*	37.9	163.6	36,500	160
165										14.4	120.7	30,400*	23.3	139.0	32,800*	29.5	149.7	35,300*	34.4	156.6	35,000	165
170													17.2	125.0	31,000*	24.9	139.8	33,400*	30.6	148.6	33,600	170
175													7.0	100.6	29,400*	19.3	127.1	31,600*	26.2	139.1	32,300	175
180																11.3	108.2	29,900*	20.9	127.4	31,000	180
185																			13.9	110.9	29,700	185

MANITOWOC ENGINEERING CO.

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WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

80 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.3	234.9	103,900*																			50
55	73.3	233.5	100,300*																			55
60	71.3	231.8	96,600*																			60
65	69.3	230.0	93,200*																			65
70	67.2	227.9	87,700*	70.1	230.1	95,600*																70
75	65.1	225.7	80,300*	68.1	228.2	90,900*																75
80	63.0	223.2	73,400*	66.0	226.0	83,700*	67.8	227.2	90,200*													80
85	60.8	220.5	67,400*	63.9	223.6	76,300*	65.7	225.0	82,500*													85
90	58.6	217.5	62,200*	61.7	221.0	69,900*	63.6	222.5	75,300*													90
95	56.3	214.2	57,700*	59.5	218.1	64,400*	61.4	219.9	69,100*													95
100	54.0	210.7	53,700*	57.3	215.0	59,600*	59.2	217.0	63,700*	62.3	219.3	71,400*										100
105	51.5	206.8	50,100*	55.0	211.6	55,400*	56.9	213.8	59,000*	60.1	216.5	65,700*										105
110	49.0	202.6	46,800*	52.6	207.8	51,600*	54.6	210.3	54,800*	57.8	213.4	60,800*										110
115	46.4	198.0	43,900*	50.1	203.8	48,200*	52.2	206.5	51,100*	55.5	210.1	56,400*										115
120	43.7	192.9	41,200*	47.6	199.3	45,100*	49.8	202.4	47,700*	53.2	206.4	52,500*	56.4	209.0	56,700							120
125	40.9	187.3	38,800*	44.9	194.5	42,300*	47.2	197.9	44,700*	50.7	202.4	49,000*	54.0	205.5	53,700							125
130	37.8	181.1	36,500*	42.1	189.1	39,800*	44.5	193.0	42,000*	48.2	198.1	45,900*	51.6	201.6	50,200*							130
135	34.5	174.1	34,500*	39.1	183.2	37,500*	41.7	187.5	39,400*	45.6	193.3	43,000*	49.1	197.4	47,000*	52.4	200.1	47,000				135
140	31.0	166.2	32,500*	36.0	176.5	35,300*	38.7	181.5	37,100*	42.8	188.1	40,400*	46.5	192.8	44,000*	49.9	196.0	44,800				140
145	26.9	157.0	30,800*	32.5	169.1	33,400*	35.5	174.8	35,000*	39.9	182.3	38,000*	43.8	187.8	41,300*	47.4	191.5	42,700				145
150	22.3	145.8	29,100*	28.7	160.5	31,500*	32.0	167.1	33,100*	36.8	175.9	35,800*	41.0	182.2	38,900*	44.7	186.6	40,800				150
155	16.4	131.1	26,700*	24.4	150.2	29,800*	28.1	158.3	31,300*	33.4	168.6	33,800*	37.9	176.0	36,600*	41.9	181.2	39,000	45.4	184.5	37,700	155
160	6.1	104.7	20,900*	19.1	137.4	28,200*	23.7	147.8	29,600*	29.7	160.3	32,000*	34.7	169.1	34,500*	38.9	175.2	37,300*	42.6	179.2	36,100	160
165				11.7	118.6	26,000*	18.2	134.4	28,000*	25.5	150.6	30,200*	31.1	161.2	32,600*	35.7	168.5	35,200*	39.7	173.4	34,600	165
170							10.1	113.8	26,100*	20.5	138.5	28,600*	27.1	152.0	30,800*	32.3	161.0	33,200*	36.6	166.9	33,200	170
175										13.9	121.9	27,000*	22.5	140.9	29,200*	28.4	152.2	31,400*	33.2	159.6	31,800	175
180													16.6	126.5	27,600*	24.0	141.9	29,700*	29.5	151.3	30,600	180
185													6.7	101.2	26,000*	18.7	128.7	28,000*	25.2	141.4	29,400	185
190																10.9	109.1	26,500*	20.2	129.1	28,200	190
195																			13.4	112.1	26,900*	195

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

80 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.4	243.9	94,100*																			55
60	72.5	242.4	90,900*																			60
65	70.6	240.7	87,700*																			65
70	68.7	238.8	84,700*																			70
75	66.8	236.7	79,800*	69.5	238.9	86,800*																75
80	64.8	234.4	72,900*	67.6	236.9	83,200*																80
85	62.8	231.9	66,900*	65.6	234.7	75,800*	67.3	235.9	82,000*													85
90	60.8	229.1	61,700*	63.7	232.3	69,400*	65.4	233.7	74,800*													90
95	58.7	226.2	57,200*	61.6	229.7	63,900*	63.4	231.2	68,500*													95
100	56.5	222.9	53,100*	59.6	226.8	59,100*	61.3	228.5	63,200*													100
105	54.4	219.4	49,500*	57.5	223.7	54,800*	59.3	225.6	58,400*	62.1	228.0	65,200*										105
110	52.1	215.6	46,300*	55.3	220.3	51,100*	57.1	222.5	54,300*	60.1	225.1	60,300*										110
115	49.8	211.5	43,400*	53.1	216.6	47,700*	55.0	219.0	50,500*	58.0	222.1	55,900*										115
120	47.4	207.0	40,800*	50.8	212.6	44,600*	52.7	215.3	47,200*	55.8	218.8	52,000*										120
125	44.9	202.1	38,300*	48.4	208.3	41,900*	50.4	211.3	44,200*	53.6	215.2	48,500*	56.6	217.7	53,200*							125
130	42.3	196.8	36,100*	46.0	203.6	39,400*	48.1	206.9	41,500*	51.4	211.3	45,400*	54.4	214.2	49,800*							130
135	39.5	190.9	34,000*	43.4	198.5	37,000*	45.6	202.1	39,000*	49.0	207.0	42,600*	52.2	210.4	46,500*							135
140	36.6	184.4	32,100*	40.7	192.8	34,900*	43.0	196.9	36,700*	46.6	202.4	40,000*	49.9	206.3	43,500*	52.9	208.8	44,300				140
145	33.4	177.1	30,400*	37.8	186.6	32,900*	40.3	191.2	34,600*	44.0	197.4	37,600*	47.5	201.9	40,900*	50.6	204.8	42,200				145
150	29.9	168.9	28,700*	34.8	179.7	31,100*	37.4	184.9	32,600*	41.4	191.9	35,400*	45.0	197.0	38,400*	48.2	200.5	40,300				150
155	26.1	159.3	27,200*	31.5	171.9	29,400*	34.3	177.9	30,800*	38.6	185.8	33,400*	42.4	191.7	36,200*	45.8	195.7	38,600				155
160	21.5	147.7	25,700*	27.8	162.9	27,800*	30.9	169.9	29,200*	35.6	179.1	31,500*	39.6	185.8	34,100*	43.2	190.6	36,800*	46.4	193.6	35,600	160
165	15.8	132.5	23,600*	23.6	152.3	26,300*	27.2	160.7	27,600*	32.3	171.5	29,800*	36.7	179.3	32,200*	40.5	184.9	34,700*	43.9	188.5	34,100	165
170	5.9	105.2	18,300*	18.5	139.0	24,900*	22.9	149.8	26,100*	28.7	162.9	28,200*	33.5	172.1	30,400*	37.6	178.6	32,800*	41.2	183.0	32,700	170
175				11.3	119.6	23,000*	17.6	135.9	24,700*	24.7	152.7	26,700*	30.1	163.9	28,800*	34.5	171.6	30,900*	38.4	176.9	31,400	175
180							9.8	114.6	23,100*	19.9	140.2	25,300*	26.2	154.4	27,200*	31.2	163.8	29,300*	35.4	170.1	30,100	180
185										13.4	123.0	23,900*	21.7	142.9	25,800*	27.5	154.7	27,700*	32.1	162.5	28,900	185
190													16.1	127.8	24,400*	23.2	143.9	26,200*	28.5	153.8	27,800	190
195													6.5	101.7	23,000*	18.0	130.3	24,800*	24.4	143.5	26,600*	195
200																10.6	110.0	23,400*	19.5	130.9	25,100*	200
205																			12.9	113.2	23,800*	205

MANITOWOC ENGINEERING CO.

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M-250 SERIES 2

NEW YORK CITY CODE
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BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

80 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.3	254.3	87,400*																			55
60	73.6	252.9	84,500*																			60
65	71.8	251.3	81,600*																			65
70	70.0	249.5	78,800*																			70
75	68.2	247.5	76,200*	70.8	249.6	80,600*																75
80	66.4	245.4	73,100*	69.0	247.7	78,000*																80
85	64.5	243.1	67,300*	67.2	245.7	75,000*																85
90	62.6	240.5	62,000*	65.3	243.4	69,800*	66.9	244.6	74,400*													90
95	60.7	237.8	57,400*	63.4	241.0	64,200*	65.0	242.4	69,000*													95
100	58.7	234.8	53,300*	61.5	238.3	59,300*	63.2	239.9	63,500*													100
105	56.7	231.6	49,600*	59.6	235.4	55,000*	61.2	237.2	58,700*													105
110	54.7	228.1	46,400*	57.6	232.3	51,200*	59.3	234.3	54,400*	62.0	236.6	60,500*										110
115	52.6	224.4	43,400*	55.6	229.0	47,700*	57.3	231.1	50,700*	60.1	233.8	56,100*										115
120	50.4	220.4	40,700*	53.5	225.4	44,600*	55.3	227.8	47,300*	58.1	230.8	52,100*										120
125	48.2	216.0	38,200*	51.4	221.5	41,800*	53.2	224.1	44,200*	56.1	227.5	48,600*										125
130	45.9	211.3	36,000*	49.2	217.2	39,300*	51.0	220.1	41,400*	54.0	223.9	45,400*	56.8	226.4	49,800*							130
135	43.5	206.1	33,900*	46.9	212.7	36,900*	48.8	215.9	38,900*	51.9	220.1	42,500*	54.8	223.0	46,500*							135
140	40.9	200.5	32,000*	44.5	207.7	34,800*	46.5	211.2	36,600*	49.7	215.9	39,900*	52.7	219.2	43,500*							140
145	38.3	194.4	30,200*	42.0	202.3	32,800*	44.1	206.2	34,500*	47.4	211.5	37,500*	50.5	215.2	40,800*							145
150	35.4	187.6	28,600*	39.4	196.4	31,000*	41.6	200.8	32,500*	45.1	206.6	35,300*	48.3	210.9	38,300*	51.2	213.7	40,000				150
155	32.4	180.0	27,000*	36.7	189.9	29,300*	39.0	194.8	30,700*	42.6	201.3	33,300*	46.0	206.1	36,100*	49.0	209.4	38,300				155
160	29.0	171.5	25,600*	33.7	182.7	27,700*	36.2	188.2	29,000*	40.1	195.6	31,400*	43.5	201.0	34,000*	46.7	204.8	36,600				160
165	25.3	161.5	24,200*	30.5	174.6	26,200*	33.2	180.9	27,500*	37.3	189.2	29,700*	41.0	195.4	32,100*	44.3	199.8	34,600*	47.3	202.6	33,800	165
170	20.9	149.5	23,000*	26.9	165.3	24,800*	30.0	172.6	26,000*	34.4	182.2	28,100*	38.4	189.3	30,300*	41.8	194.4	32,600*	45.0	197.8	32,400	170
175	15.3	133.8	21,000*	22.9	154.3	23,500*	26.4	163.1	24,600*	31.3	174.3	26,600*	35.5	182.6	28,600*	39.2	188.5	30,800*	42.5	192.5	31,100	175
180	5.7	105.7	16,200*	17.9	140.5	22,300*	22.2	151.8	23,300*	27.8	165.4	25,200*	32.5	175.0	27,100*	36.4	181.9	29,100*	39.9	186.7	29,800	180
185				10.9	120.5	20,500*	17.1	137.4	22,100*	23.9	154.9	23,800*	29.1	166.5	25,600*	33.5	174.6	27,600*	37.2	180.3	28,700	185
190							9.5	115.4	20,700*	19.2	141.9	22,600*	25.4	156.6	24,300*	30.2	166.5	26,100*	34.3	173.2	27,600	190
195										13.0	124.1	21,300*	21.1	144.7	23,000*	26.6	157.1	24,700*	31.1	165.3	26,400*	195
200													15.6	129.2	21,800*	22.5	145.9	23,400*	27.6	156.2	25,000*	200
205													6.3	102.2	20,500*	17.5	131.8	22,100*	23.7	145.6	23,700*	205
210																10.2	110.9	20,900*	18.9	132.5	22,400*	210
215																			12.5	114.2	21,200*	215

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80 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.5	263.3	79,400*																			60
65	72.9	261.8	76,800*																			65
70	71.2	260.1	74,300*																			70
75	69.5	258.3	71,300*																			75
80	67.8	256.3	68,200*	70.2	258.4	73,100*																80
85	66.0	254.1	65,200*	68.5	256.5	70,000*																85
90	64.3	251.8	61,500*	66.8	254.4	67,000*																90
95	62.5	249.2	56,900*	65.0	252.1	63,700*	66.5	253.4	66,400*													95
100	60.7	246.5	52,700*	63.3	249.6	58,800*	64.8	251.0	62,900*													100
105	58.8	243.5	49,100*	61.5	247.0	54,500*	63.0	248.5	58,100*													105
110	56.9	240.3	45,800*	59.6	244.1	50,600*	61.2	245.9	53,900*													110
115	55.0	236.9	42,900*	57.7	241.0	47,200*	59.3	242.9	50,100*	61.9	245.3	52,400										115
120	53.0	233.2	40,200*	55.8	237.7	44,100*	57.5	239.8	46,700*	60.1	242.5	49,300										120
125	51.0	229.2	37,800*	53.9	234.1	41,300*	55.5	236.5	43,700*	58.2	239.4	46,500										125
130	48.9	225.0	35,500*	51.9	230.3	38,800*	53.6	232.9	41,000*	56.3	236.2	43,900										130
135	46.7	220.4	33,400*	49.8	226.1	36,500*	51.6	229.0	38,400*	54.4	232.6	41,600	57.0	235.1	39,300							135
140	44.5	215.4	31,500*	47.7	221.7	34,300*	49.5	224.8	36,100*	52.4	228.9	39,400*	55.1	231.7	37,200							140
145	42.2	210.0	29,800*	45.5	216.9	32,300*	47.3	220.3	34,000*	50.3	224.8	37,000*	53.1	228.0	35,200							145
150	39.7	204.2	28,100*	43.2	211.7	30,500*	45.1	215.4	32,100*	48.2	220.4	34,800*	51.1	224.0	33,400							150
155	37.1	197.8	26,600*	40.8	206.1	28,800*	42.8	210.2	30,300*	46.0	215.7	32,800*	49.0	219.8	31,800	51.7	222.5	29,900				155
160	34.4	190.7	25,200*	38.3	199.9	27,200*	40.4	204.5	28,600*	43.7	210.6	31,000*	46.8	215.2	30,200	49.6	218.3	28,400				160
165	31.4	182.9	23,800*	35.6	193.1	25,800*	37.9	198.2	27,000*	41.4	205.1	29,200*	44.6	210.3	28,700	47.5	213.8	27,000				165
170	28.2	174.0	22,600*	32.7	185.7	24,400*	35.2	191.4	25,600*	38.9	199.1	27,600*	42.2	204.9	27,400	45.3	209.0	25,600				170
175	24.5	163.7	21,400*	29.6	177.3	23,100*	32.3	183.8	24,200*	36.2	192.5	26,100*	39.8	199.1	26,100	43.0	203.8	24,400	45.9	206.9	22,800	175
180	20.3	151.3	20,200*	26.1	167.6	21,900*	29.1	175.2	22,900*	33.4	185.2	24,700*	37.2	192.7	24,900	40.6	198.1	23,200	43.6	201.8	21,700	180
185	14.9	135.1	18,500*	22.2	156.3	20,700*	25.6	165.3	21,700*	30.4	177.0	23,400*	34.5	185.7	23,700	38.1	191.9	22,100	41.2	196.2	20,600	185
190	5.5	106.1	14,100*	17.4	142.1	19,600*	21.5	153.7	20,500*	27.0	167.8	22,200*	31.5	177.8	22,600	35.4	185.1	21,100	38.7	190.2	19,600	190
195				10.6	121.4	18,000*	16.6	138.8	19,400*	23.2	156.9	21,000*	28.3	169.0	21,600	32.5	177.6	20,100	36.1	183.6	18,700	195
200							9.2	116.2	18,200*	18.7	143.6	19,900*	24.7	158.8	20,600	29.3	169.1	19,200	33.3	176.2	17,800	200
205										12.6	125.2	18,800*	20.4	146.5	19,600	25.9	159.3	18,300	30.2	168.0	16,900	205
210													15.1	130.5	18,700	21.9	147.8	17,400	26.8	158.6	16,100	210
215													6.1	102.7	17,800	17.0	133.3	16,500	23.0	147.7	15,300	215
220																9.9	111.7	15,700	18.4	134.1	14,500	220
225																			12.2	115.3	13,800	225

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360 DEGREE RATING

80 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.4	273.7	74,900*																			60
65	73.8	272.2	72,300*																			65
70	72.2	270.7	69,600*																			70
75	70.6	269.0	66,800*																			75
80	69.0	267.1	63,900*																			80
85	67.4	265.0	61,200*	69.7	267.2	65,500*																85
90	65.7	262.8	58,300*	68.1	265.3	62,700*																90
95	64.1	260.4	55,600*	66.4	263.1	60,000*	67.8	264.2	62,100*													95
100	62.4	257.9	52,300*	64.8	260.8	57,200*	66.2	262.1	59,400*													100
105	60.6	255.1	48,600*	63.1	258.3	54,000*	64.5	259.7	56,800*													105
110	58.9	252.2	45,300*	61.4	255.6	50,100*	62.8	257.2	53,400*													110
115	57.1	249.0	42,400*	59.6	252.8	46,700*	61.1	254.5	49,600*													115
120	55.3	245.6	39,700*	57.9	249.7	43,600*	59.4	251.6	46,200*	61.8	253.9	48,700										120
125	53.4	241.9	37,300*	56.1	246.4	40,800*	57.6	248.5	43,200*	60.1	251.1	45,900										125
130	51.5	238.0	35,000*	54.2	242.9	38,300*	55.8	245.2	40,500*	58.3	248.1	43,400										130
135	49.5	233.9	33,000*	52.3	239.1	36,000*	53.9	241.6	38,000*	56.5	244.8	41,000										135
140	47.5	229.4	31,100*	50.4	235.0	33,800*	52.0	237.8	35,700*	54.7	241.4	38,800	57.2	243.8	36,600							140
145	45.4	224.6	29,300*	48.4	230.7	31,900*	50.1	233.7	33,500*	52.8	237.6	36,500*	55.3	240.4	34,700							145
150	43.2	219.4	27,700*	46.3	226.0	30,000*	48.1	229.3	31,600*	50.9	233.7	34,400*	53.5	236.8	32,900							150
155	41.0	213.8	26,100*	44.2	221.0	28,400*	46.0	224.6	29,800*	48.9	229.4	32,300*	51.6	232.9	31,200							155
160	38.6	207.7	24,700*	42.0	215.6	26,800*	43.9	219.5	28,100*	46.8	224.8	30,500*	49.6	228.7	29,600	52.2	231.3	27,800				160
165	36.1	201.0	23,400*	39.6	209.7	25,300*	41.6	214.0	26,600*	44.7	219.9	28,800*	47.6	224.2	28,200	50.2	227.2	26,400				165
170	33.4	193.7	22,100*	37.2	203.3	23,900*	39.3	208.0	25,100*	42.5	214.6	27,200*	45.5	219.4	26,800	48.2	222.8	25,100				170
175	30.5	185.6	20,900*	34.6	196.3	22,700*	36.8	201.6	23,800*	40.2	208.8	25,700*	43.3	214.3	25,500	46.2	218.1	23,800				175
180	27.4	176.4	19,800*	31.8	188.5	21,500*	34.2	194.5	22,500*	37.8	202.5	24,300*	41.1	208.7	24,300	44.0	213.1	22,700	46.7	216.0	21,100	180
185	23.9	165.8	18,800*	28.8	179.8	20,300*	31.4	186.6	21,300*	35.2	195.7	23,000*	38.7	202.6	23,200	41.8	207.6	21,600	44.6	211.0	20,000	185
190	19.7	153.0	17,800*	25.4	169.9	19,200*	28.3	177.7	20,100*	32.5	188.1	21,700*	36.2	196.0	22,100	39.5	201.7	20,500	42.4	205.7	19,000	190
195	14.5	136.4	16,100*	21.6	158.2	18,200*	24.9	167.5	19,100*	29.5	179.7	20,600*	33.5	188.7	21,100	37.0	195.3	19,600	40.1	199.9	18,100	195
200	5.3	106.5	12,100*	16.9	143.5	17,200*	20.9	155.5	18,000*	26.3	170.1	19,500*	30.6	180.6	20,100	34.4	188.2	18,600	37.7	193.6	17,200	200
205				10.3	122.3	15,800*	16.1	140.2	17,100*	22.6	158.9	18,400*	27.5	171.4	19,100	31.6	180.4	17,700	35.1	186.7	16,400	205
210							8.9	116.9	16,000*	18.2	145.1	17,400*	24.0	160.9	18,300	28.5	171.6	16,900	32.3	179.1	15,500	210
215										12.3	126.3	16,500*	19.9	148.2	17,400	25.2	161.6	16,100	29.4	170.6	14,800	215
220													14.7	131.8	16,600	21.3	149.7	15,300	26.1	160.9	14,000	220
225													5.9	103.2	15,700	16.5	134.7	14,500	22.3	149.6	13,300	225
230																9.6	112.5	13,800	17.9	135.7	12,600	230
235																			11.8	116.3	11,900	235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

80 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.6	282.7	67,000*																			65
70	73.1	281.2	64,800*																			70
75	71.6	279.5	62,100*																			75
80	70.1	277.8	59,400*																			80
85	68.6	275.8	56,700*	70.8	277.9	60,700*																85
90	67.0	273.8	54,000*	69.2	276.0	58,100*																90
95	65.4	271.5	51,400*	67.7	274.0	55,400*																95
100	63.9	269.1	48,800*	66.1	271.8	52,800*	67.4	273.0	54,900*													100
105	62.2	266.5	46,300*	64.5	269.5	50,200*	65.9	270.8	52,400*													105
110	60.6	263.8	44,000*	62.9	267.0	47,700*	64.3	268.4	49,800*													110
115	58.9	260.8	41,700*	61.3	264.3	45,300*	62.7	265.9	47,400*													115
120	57.2	257.7	39,100*	59.7	261.4	43,100*	61.1	263.2	45,000*													120
125	55.5	254.3	36,700*	58.0	258.4	40,300*	59.4	260.3	42,700*	61.7	262.6	45,300										125
130	53.8	250.7	34,500*	56.3	255.1	37,700*	57.7	257.2	39,900*	60.1	259.8	42,700										130
135	51.9	246.8	32,400*	54.5	251.6	35,400*	56.0	253.9	37,400*	58.4	256.8	40,400										135
140	50.1	242.7	30,500*	52.7	247.8	33,300*	54.2	250.3	35,100*	56.7	253.5	38,200										140
145	48.2	238.4	28,800*	50.9	243.9	31,400*	52.5	246.6	33,000*	54.9	250.1	36,000*	57.3	252.5	34,000							145
150	46.2	233.7	27,200*	49.0	239.6	29,600*	50.6	242.5	31,100*	53.2	246.4	33,800*	55.6	249.1	32,200							150
155	44.2	228.6	25,700*	47.1	235.0	27,900*	48.7	238.2	29,300*	51.3	242.5	31,900*	53.8	245.5	30,600							155
160	42.1	223.2	24,200*	45.1	230.2	26,300*	46.8	233.6	27,600*	49.5	238.3	30,000*	52.0	241.7	29,000							160
165	39.9	217.4	22,900*	43.0	224.9	24,800*	44.8	228.7	26,100*	47.6	233.8	28,300*	50.2	237.6	27,600	52.6	240.1	25,700				165
170	37.6	211.1	21,700*	40.8	219.3	23,500*	42.7	223.4	24,600*	45.6	229.0	26,700*	48.3	233.2	26,200	50.8	236.1	24,400				170
175	35.1	204.2	20,500*	38.6	213.2	22,200*	40.5	217.7	23,300*	43.5	223.9	25,200*	46.3	228.5	24,900	48.9	231.8	23,200				175
180	32.5	196.6	19,400*	36.2	206.6	21,000*	38.2	211.5	22,000*	41.4	218.3	23,800*	44.3	223.5	23,700	46.9	227.2	22,000				180
185	29.7	188.3	18,300*	33.7	199.3	19,800*	35.8	204.8	20,800*	39.1	212.4	22,500*	42.2	218.1	22,600	44.9	222.3	20,900	47.4	225.0	19,400	185
190	26.7	178.8	17,300*	31.0	191.3	18,800*	33.3	197.4	19,700*	36.8	205.9	21,300*	40.0	212.3	21,500	42.8	217.0	19,900	45.5	220.2	18,400	190
195	23.2	167.9	16,400*	28.0	182.3	17,800*	30.5	189.3	18,600*	34.3	198.8	20,100*	37.7	206.0	20,500	40.7	211.4	18,900	43.4	215.0	17,400	195
200	19.2	154.7	15,500*	24.8	172.1	16,800*	27.6	180.2	17,600*	31.7	191.0	19,000*	35.2	199.2	19,500	38.4	205.2	18,000	41.2	209.5	16,500	200
205	14.1	137.6	14,000*	21.0	160.0	15,900*	24.2	169.7	16,700*	28.8	182.3	18,000*	32.6	191.6	18,600	36.0	198.5	17,100	39.0	203.5	15,700	205
210	5.2	107.0	10,300*	16.5	145.0	15,000*	20.4	157.3	15,700*	25.6	172.4	17,000*	29.8	183.3	17,700	33.5	191.2	16,300	36.7	196.9	14,900	210
215				10.1	123.1	13,700*	15.7	141.6	14,800*	22.0	160.8	16,100*	26.8	173.8	16,800	30.8	183.2	15,500	34.2	189.8	14,100	215
220							8.7	117.7	13,900*	17.7	146.7	15,200*	23.4	163.0	16,000	27.8	174.1	14,700	31.5	181.9	13,400	220
225										12.0	127.3	14,300*	19.4	149.9	15,300	24.5	163.7	14,000	28.6	173.2	12,700	225
230													14.3	133.0	14,500	20.7	151.5	13,200	25.4	163.2	12,000	230
235													5.8	103.7	13,700*	16.1	136.1	12,600	21.8	151.5	11,400	235
240																9.4	113.3	11,900	17.4	137.2	10,700	240
245																			11.5	117.3	10,100	245

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

90 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	68.4	164.8	175,400*b																			38
40	66.6	163.9	168,500*b																			40
45	62.1	161.4	152,900*b	69.3	164.4	177,800*b																45
50	57.3	158.3	135,100*b	64.8	162.2	161,000*b																50
55	52.2	154.7	118,400*	60.2	159.5	146,800*b	64.6	161.3	159,700*b													55
60	46.7	150.2	105,000*	55.3	156.2	128,100*b	60.0	158.6	145,900*b													60
65	40.7	144.8	94,200*	50.1	152.2	112,800*	55.0	155.3	127,400*	62.6	158.3	130,900b										65
70	33.7	137.9	85,300*	44.4	147.4	100,500*	49.8	151.3	112,200*	57.9	155.3	119,200b										70
75	25.1	128.7	77,700*	38.0	141.5	90,500*	44.1	146.4	100,000*	52.8	151.8	109,300										75
80	11.1	112.3	70,000*	30.6	133.9	82,200*	37.7	140.4	90,100*	47.4	147.4	100,800	55.5	151.2	97,800							80
85				20.7	122.9	75,100*	30.2	132.7	81,800*	41.4	142.1	93,400	50.3	147.3	90,700							85
90							20.1	121.5	74,800*	34.6	135.5	86,400*	44.7	142.5	84,500	52.8	146.1	81,900				90
95										26.3	126.6	78,700*	38.4	136.7	78,900	47.4	141.7	76,600				95
100										13.6	112.0	72,100*	31.0	129.1	74,000	41.5	136.4	71,900				100
105													21.3	118.4	69,600	34.7	129.8	67,600	44.0	135.0	65,600	105
110																26.3	120.9	63,700	37.6	129.0	61,900	110
115																13.7	106.4	60,200	30.1	121.2	58,500	115
120																			20.0	110.0	55,400	120

90 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	71.2	175.5	171,400*b																			38
40	69.7	174.7	164,700*b																			40
45	65.8	172.6	149,800*b																			45
50	61.8	170.0	136,200*b	68.2	173.2	157,800*b																50
55	57.6	167.0	119,100*	64.2	170.9	144,200*b	68.0	172.3	156,600*b													55
60	53.2	163.4	105,600*	60.2	168.2	128,900*	64.1	170.0	143,200*b													60
65	48.5	159.2	94,700*	55.9	164.9	113,400*	60.0	167.2	128,200*													65
70	43.5	154.3	85,700*	51.4	161.1	101,100*	55.7	164.0	112,800*	62.3	167.0	118,700b										70
75	37.9	148.2	78,100*	46.6	156.6	90,900*	51.2	160.1	100,600*	58.1	164.0	108,800										75
80	31.4	140.7	71,600*	41.3	151.3	82,500*	46.3	155.6	90,500*	53.8	160.5	100,400										80
85	23.4	130.7	66,000*	35.4	144.7	75,400*	41.1	150.2	82,200*	49.1	156.4	93,000	56.1	159.9	90,200							85
90	10.3	113.1	60,300*	28.5	136.4	69,300*	35.1	143.6	75,100*	44.1	151.5	86,600	51.6	156.1	84,000							90
95				19.3	124.6	64,000*	28.1	135.2	69,100*	38.6	145.7	79,000*	46.8	151.7	78,500							95
100							18.8	123.1	63,800*	32.3	138.4	72,400*	41.6	146.4	73,700	49.1	150.7	71,400				100
105										24.5	128.8	66,700*	35.7	139.9	69,300	44.1	145.8	67,200				105
110										12.7	113.0	61,700*	28.8	131.7	65,300	38.6	140.0	63,300	46.3	144.2	61,400	110
115													19.8	120.2	61,700	32.3	132.7	59,900	41.0	138.7	58,000	115
120																24.5	123.1	56,700	35.1	132.1	55,000	120
125																12.8	107.5	53,700	28.0	123.7	52,200	125
130																			18.6	111.6	49,600	130

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

90 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
36	74.7	186.6	172,600*b																			36
38	73.4	186.0	167,300*b																			38
40	72.1	185.4	160,900*b																			40
45	68.7	183.5	146,700*b																			45
50	65.2	181.3	134,400*	70.7	183.9	154,500*b																50
55	61.6	178.7	119,600*	67.3	181.9	141,500*b																55
60	57.9	175.7	106,000*	63.8	179.6	129,500*	67.1	181.0	140,700*b													60
65	54.0	172.2	95,000*	60.1	176.8	113,900*	63.6	178.7	128,700*													65
70	49.9	168.2	85,900*	56.4	173.6	101,400*	60.0	175.9	113,300*													70
75	45.5	163.5	78,300*	52.4	169.9	91,200*	56.2	172.7	100,900*	62.0	175.7	108,400										75
80	40.8	158.0	71,800*	48.2	165.7	82,800*	52.2	169.0	90,800*	58.3	172.7	100,000										80
85	35.6	151.5	66,100*	43.7	160.7	75,600*	48.0	164.7	82,400*	54.5	169.3	92,700										85
90	29.5	143.4	61,200*	38.8	154.8	69,500*	43.5	159.6	75,300*	50.4	165.3	86,300	56.5	168.6	83,600							90
95	22.0	132.6	56,900*	33.3	147.7	64,100*	38.6	153.7	69,200*	46.1	160.7	79,200*	52.6	164.9	78,100							95
100	9.6	113.9	52,400*	26.8	138.8	59,500*	33.0	146.6	63,900*	41.4	155.3	72,600*	48.4	160.7	73,300							100
105				18.1	126.2	55,300*	26.4	137.5	59,300*	36.3	149.0	66,900*	43.9	155.8	68,900	50.4	159.6	66,700				105
110							17.6	124.6	55,200*	30.3	141.1	61,900*	39.1	149.9	65,000	46.1	155.0	63,000				110
115										23.0	130.8	57,500*	33.6	142.9	61,500	41.5	149.7	59,500	48.0	153.2	57,600	115
120										11.9	114.0	53,600*	27.1	134.1	58,200	36.3	143.3	56,400	43.5	148.2	54,600	120
125													18.6	121.8	55,300	30.4	135.4	53,500	38.5	142.3	51,800	125
130																23.1	125.1	50,900	33.0	135.1	49,300	130
135																12.0	108.5	48,400	26.4	126.0	46,900	135
140																			17.5	113.1	44,700	140

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

90 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	75.1	196.5	156,700*																			38
40	73.9	195.9	153,300*																			40
45	70.9	194.2	143,400*																			45
50	67.8	192.3	131,800*																			50
55	64.7	190.0	119,700*	69.7	192.7	138,600*																55
60	61.4	187.4	106,100*	66.6	190.7	127,700*																60
65	58.1	184.4	95,000*	63.4	188.2	114,000*	66.4	189.8	127,200*													65
70	54.6	180.9	85,900*	60.1	185.5	101,500*	63.2	187.3	113,400*													70
75	51.0	177.0	78,200*	56.7	182.3	91,200*	60.0	184.5	101,000*													75
80	47.2	172.6	71,600*	53.2	178.7	82,700*	56.6	181.4	90,800*	61.8	184.3	99,500										80
85	43.1	167.5	66,000*	49.5	174.6	75,500*	53.0	177.7	82,400*	58.5	181.4	92,200										85
90	38.6	161.5	61,100*	45.6	169.9	69,300*	49.3	173.6	75,200*	55.1	178.0	85,800										90
95	33.7	154.5	56,700*	41.3	164.5	64,000*	45.4	168.9	69,100*	51.4	174.2	79,200*	56.9	177.3	77,600							95
100	27.9	145.9	52,900*	36.7	158.2	59,300*	41.1	163.4	63,800*	47.6	169.8	72,500*	53.4	173.7	72,800							100
105	20.8	134.4	49,400*	31.5	150.6	55,200*	36.5	157.0	59,100*	43.6	164.8	66,700*	49.7	169.6	68,500							105
110	9.1	114.7	45,800*	25.3	141.0	51,500*	31.2	149.4	55,000*	39.2	158.9	61,700*	45.8	165.0	64,600	51.5	168.5	62,400				110
115				17.2	127.7	48,200*	25.0	139.7	51,400*	34.3	152.1	57,300*	41.5	159.6	61,100	47.7	164.1	59,000				115
120							16.7	126.1	48,100*	28.7	143.7	53,400*	36.9	153.3	57,800	43.6	159.1	55,900				120
125										21.8	132.7	49,900*	31.8	145.8	54,900	39.2	153.3	53,100	45.3	157.4	51,300	125
130										11.2	115.0	46,800*	25.7	136.4	51,800*	34.3	146.4	50,500	41.1	152.0	48,800	130
135													17.6	123.3	48,400*	28.7	138.0	48,100	36.4	145.6	46,500	135
140																21.8	127.0	45,800	31.2	137.9	44,300	140
145																11.3	109.4	43,700	24.9	128.2	42,300	145
150																			16.6	114.5	40,400	150

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

90 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	75.4	206.3	145,000*																			40
45	72.7	204.8	138,500*																			45
50	69.9	203.0	128,600*																			50
55	67.1	201.0	119,000*																			55
60	64.3	198.7	109,200*	68.8	201.5	125,000*																60
65	61.3	196.0	97,700*	66.0	199.4	115,900*																65
70	58.3	193.0	88,200*	63.1	196.9	104,400*	65.9	198.5	115,600*													70
75	55.1	189.7	80,300*	60.1	194.1	93,800*	63.0	196.0	103,900*													75
80	51.9	185.9	73,500*	57.0	191.0	85,000*	60.0	193.2	93,400*													80
85	48.4	181.6	67,700*	53.8	187.5	77,500*	56.9	190.1	84,600*	61.7	193.0	91,700										85
90	44.8	176.8	62,600*	50.5	183.5	71,200*	53.7	186.5	77,200*	58.6	190.0	85,400										90
95	40.9	171.2	58,200*	47.0	179.0	65,600*	50.4	182.5	70,900*	55.5	186.7	79,800										95
100	36.7	164.9	54,200*	43.3	173.9	60,800*	46.9	178.0	65,400*	52.3	183.0	74,400*	57.2	186.0	72,300							100
105	32.0	157.4	50,700*	39.3	168.1	56,600*	43.1	172.9	60,600*	48.9	178.8	68,500*	54.0	182.5	68,000							105
110	26.6	148.2	47,500*	34.9	161.3	52,800*	39.1	167.0	56,400*	45.3	174.0	63,300*	50.7	178.5	64,100							110
115	19.8	136.2	44,600*	30.0	153.2	49,400*	34.7	160.2	52,700*	41.4	168.6	58,800*	47.2	174.1	60,600	52.3	177.3	58,500				115
120	8.6	115.4	38,500*	24.1	143.2	46,400*	29.7	152.0	49,300*	37.3	162.3	54,800*	43.5	169.0	57,400	48.9	173.1	55,400				120
125				16.3	129.1	43,600*	23.8	141.8	46,300*	32.6	155.0	51,200*	39.5	163.2	54,500	45.3	168.3	52,600				125
130							15.9	127.4	43,500*	27.3	146.1	48,000*	35.1	156.5	51,800	41.4	162.9	50,000	46.8	166.6	48,300	130
135										20.7	134.5	45,100*	30.2	148.5	49,300	37.3	156.7	47,600	43.1	161.4	46,000	135
140										10.7	115.9	42,400*	24.4	138.5	46,600*	32.7	149.3	45,400	39.1	155.5	43,900	140
145													16.8	124.7	43,800*	27.3	140.4	43,400	34.7	148.7	41,900	145
150																20.8	128.9	41,400	29.7	140.6	40,000	150
155																10.8	110.3	39,600	23.7	130.3	38,300	155
160																			15.8	115.8	36,600	160

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

90 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.2	215.3	129,400*																			45
50	71.7	213.7	124,000*																			50
55	69.1	211.8	116,500*																			55
60	66.5	209.7	108,400*	70.7	212.2	122,200*																60
65	63.9	207.3	97,400*	68.1	210.3	113,700*																65
70	61.2	204.7	87,900*	65.5	208.1	104,100*	68.0	209.4	113,400*													70
75	58.4	201.7	80,000*	62.8	205.6	93,500*	65.4	207.2	103,600*													75
80	55.5	198.4	73,200*	60.1	202.8	84,600*	62.7	204.7	93,000*													80
85	52.6	194.7	67,300*	57.3	199.7	77,200*	60.0	201.9	84,300*													85
90	49.5	190.5	62,200*	54.4	196.2	70,800*	57.2	198.7	76,900*	61.5	201.6	84,900										90
95	46.2	185.9	57,800*	51.4	192.3	65,300*	54.2	195.2	70,500*	58.8	198.7	79,300										95
100	42.8	180.7	53,800*	48.2	188.0	60,400*	51.2	191.4	65,000*	55.9	195.4	74,000*										100
105	39.1	174.8	50,300*	44.9	183.2	56,200*	48.1	187.0	60,200*	52.9	191.8	68,100*	57.4	194.7	67,500							105
110	35.1	168.1	47,100*	41.4	177.7	52,400*	44.7	182.1	56,000*	49.9	187.7	62,900*	54.5	191.2	63,600							110
115	30.6	160.1	44,200*	37.5	171.5	49,000*	41.2	176.7	52,200*	46.6	183.1	58,400*	51.5	187.4	60,100							115
120	25.4	150.5	41,600*	33.4	164.3	46,000*	37.4	170.4	48,900*	43.2	178.0	54,400*	48.4	183.1	56,900	53.0	186.1	54,900				120
125	18.9	137.8	39,200*	28.6	155.8	43,200*	33.2	163.2	45,800*	39.6	172.2	50,800*	45.0	178.2	54,000	49.9	182.0	52,100				125
130	8.2	116.1	34,100*	23.0	145.2	40,700*	28.4	154.6	43,100*	35.6	165.6	47,600*	41.5	172.8	51,400	46.7	177.4	49,500				130
135				15.6	130.4	38,400*	22.7	143.8	40,600*	31.2	157.8	44,600*	37.7	166.7	48,900	43.2	172.3	47,200	48.0	175.6	45,500	135
140							15.1	128.7	38,300*	26.1	148.4	42,000*	33.6	159.5	46,200*	39.6	166.5	45,000	44.7	170.7	43,300	140
145										19.8	136.2	39,600*	28.9	151.1	43,400*	35.6	159.9	42,900	41.1	165.2	41,400	145
150										10.2	116.7	37,400*	23.3	140.6	40,900*	31.2	152.1	41,000	37.3	158.9	39,500	150
155													16.0	126.1	38,600*	26.1	142.7	39,200	33.1	151.7	37,800	155
160																19.9	130.6	37,600	28.4	143.1	36,200	160
165																10.3	111.2	35,900	22.7	132.3	34,700	165
170																			15.0	117.1	33,200	170

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

90 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.4	225.6	120,000*																			45
50	73.1	224.2	115,300*																			50
55	70.8	222.5	110,600*																			55
60	68.5	220.6	105,800*																			60
65	66.1	218.4	98,200*	69.9	221.0	110,200*																65
70	63.6	216.0	88,500*	67.5	219.0	103,700*																70
75	61.1	213.3	80,400*	65.1	216.8	94,200*	67.4	218.1	103,400*													75
80	58.5	210.4	73,600*	62.6	214.2	85,200*	65.0	215.9	93,800*													80
85	55.9	207.1	67,600*	60.1	211.5	77,600*	62.5	213.3	84,800*													85
90	53.2	203.4	62,500*	57.5	208.4	71,100*	60.0	210.5	77,300*													90
95	50.3	199.4	57,900*	54.8	204.9	65,500*	57.4	207.4	70,900*	61.4	210.3	79,000										95
100	47.4	195.0	53,900*	52.1	201.1	60,600*	54.7	204.0	65,300*	58.9	207.4	74,100										100
105	44.3	190.0	50,400*	49.2	197.0	56,300*	51.9	200.2	60,500*	56.2	204.1	68,400*										105
110	41.0	184.5	47,200*	46.2	192.3	52,500*	49.1	196.0	56,200*	53.5	200.5	63,200*	57.6	203.3	63,300							110
115	37.5	178.2	44,300*	43.0	187.1	49,100*	46.0	191.3	52,400*	50.7	196.5	58,600*	55.0	199.9	59,900							115
120	33.6	171.1	41,700*	39.6	181.3	46,000*	42.9	186.1	49,000*	47.8	192.2	54,500*	52.2	196.2	56,700							120
125	29.3	162.7	39,300*	36.0	174.8	43,200*	39.5	180.3	45,900*	44.7	187.3	50,900*	49.3	192.0	53,800							125
130	24.4	152.6	37,100*	32.0	167.2	40,700*	35.8	173.7	43,100*	41.4	181.8	47,600*	46.3	187.4	51,100	50.7	190.9	49,300				130
135	18.1	139.4	35,000*	27.5	158.2	38,400*	31.8	166.0	40,600*	37.9	175.7	44,700*	43.2	182.2	48,700	47.8	186.5	46,900				135
140	7.9	116.7	30,500*	22.1	147.1	36,300*	27.2	157.0	38,300*	34.1	168.6	42,000*	39.8	176.5	46,200*	44.7	181.6	44,700				140
145				14.9	131.7	34,300*	21.8	145.7	36,200*	29.9	160.5	39,600*	36.2	169.9	43,400*	41.4	176.1	42,700	46.0	179.9	41,100	145
150							14.5	130.0	34,200*	25.0	150.6	37,400*	32.2	162.4	40,900*	38.0	170.0	40,800	42.8	174.7	39,300	150
155										19.0	137.9	35,400*	27.7	153.5	38,600*	34.2	163.0	39,100	39.4	168.8	37,600	155
160										9.8	117.5	33,400*	22.4	142.5	36,400*	29.9	154.8	37,400	35.8	162.2	36,000	160
165													15.4	127.4	34,500*	25.1	145.0	35,900	31.8	154.5	34,500	165
170																19.0	132.2	34,400	27.2	145.5	33,100	170
175																9.8	112.0	33,000	21.8	134.2	31,800	175
180																			14.4	118.4	30,500	180

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

90 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.4	234.6	108,100*																			50
55	72.2	233.1	104,000*																			55
60	70.1	231.3	100,000*																			60
65	67.9	229.3	96,200*																			65
70	65.6	227.1	88,100*	69.2	229.8	99,700*																70
75	63.4	224.7	80,000*	67.0	227.8	93,800*																75
80	61.0	222.0	73,100*	64.7	225.5	84,800*	66.9	226.9	93,400*													80
85	58.6	219.0	67,200*	62.4	222.9	77,200*	64.6	224.6	84,400*													85
90	56.2	215.8	62,000*	60.1	220.1	70,700*	62.3	222.0	76,900*													90
95	53.7	212.2	57,500*	57.7	217.0	65,100*	60.0	219.2	70,400*													95
100	51.1	208.3	53,500*	55.2	213.6	60,200*	57.6	216.1	64,900*	61.3	219.0	73,600										100
105	48.4	204.0	49,900*	52.7	209.9	55,900*	55.1	212.7	60,000*	58.9	216.0	68,000*										105
110	45.6	199.2	46,700*	50.0	205.9	52,100*	52.5	209.0	55,700*	56.5	212.8	62,700*										110
115	42.6	193.9	43,800*	47.3	201.4	48,600*	49.9	204.9	51,900*	54.0	209.3	58,100*	57.8	212.0	59,400							115
120	39.4	188.1	41,200*	44.4	196.4	45,600*	47.1	200.4	48,500*	51.4	205.4	54,000*	55.3	208.6	56,200							120
125	36.1	181.5	38,800*	41.4	190.9	42,800*	44.3	195.4	45,400*	48.7	201.1	50,400*	52.8	205.0	53,300							125
130	32.4	174.0	36,600*	38.1	184.8	40,200*	41.2	189.9	42,700*	45.9	196.4	47,200*	50.2	200.9	50,700							130
135	28.2	165.3	34,600*	34.6	177.9	37,900*	38.0	183.7	40,100*	43.0	191.2	44,200*	47.4	196.4	48,200	51.4	199.7	46,400				135
140	23.5	154.7	32,700*	30.8	169.9	35,800*	34.5	176.8	37,800*	39.8	185.5	41,600*	44.5	191.5	45,800*	48.7	195.4	44,200				140
145	17.4	140.9	31,000*	26.4	160.6	33,900*	30.6	168.8	35,700*	36.5	179.0	39,200*	41.5	186.1	43,000*	45.9	190.7	42,200				145
150	7.6	117.3	27,000*	21.3	149.0	32,100*	26.2	159.3	33,800*	32.8	171.6	36,900*	38.3	180.0	40,400*	43.0	185.5	40,300	47.1	188.9	38,800	150
155				14.4	132.9	30,400*	21.0	147.6	32,000*	28.8	163.0	34,900*	34.8	173.1	38,100*	39.9	179.8	38,600	44.2	184.0	37,100	155
160							14.0	131.2	30,300*	24.1	152.7	33,000*	31.0	165.2	36,000*	36.5	173.3	37,000	41.2	178.4	35,500	160
165										18.3	139.5	31,300*	26.7	155.9	34,000*	32.9	165.9	35,400	37.9	172.3	34,000	165
170										9.4	118.3	29,600*	21.5	144.4	32,200*	28.8	157.4	34,000	34.4	165.3	32,700	170
175													14.8	128.7	30,500*	24.1	147.1	32,600	30.6	157.3	31,300	175
180																18.3	133.8	31,300	26.2	147.8	30,100	180
185																9.5	112.8	29,700*	20.9	136.0	28,900	185
190																			13.9	119.6	27,800	190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

90 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.4	245.0	103,300*																			50
55	73.5	243.6	99,700*																			55
60	71.4	241.9	96,300*																			60
65	69.4	240.1	93,000*																			65
70	67.4	238.1	89,100*	70.6	240.5	95,800*																70
75	65.3	235.8	80,800*	68.6	238.6	92,700*																75
80	63.1	233.4	73,800*	66.5	236.5	85,700*																80
85	61.0	230.7	67,800*	64.4	234.1	78,000*	66.4	235.6	85,300*													85
90	58.7	227.7	62,600*	62.3	231.6	71,400*	64.3	233.2	77,700*													90
95	56.5	224.5	58,000*	60.1	228.8	65,700*	62.2	230.7	71,100*													95
100	54.1	220.9	53,900*	57.8	225.7	60,700*	60.0	227.9	65,500*													100
105	51.7	217.1	50,300*	55.5	222.4	56,400*	57.7	224.8	60,500*	61.2	227.6	68,600*										105
110	49.2	212.9	47,100*	53.2	218.7	52,500*	55.4	221.4	56,200*	59.0	224.7	63,300*										110
115	46.6	208.3	44,100*	50.7	214.7	49,000*	53.1	217.7	52,300*	56.7	221.5	58,600*										115
120	43.9	203.3	41,500*	48.2	210.4	45,900*	50.6	213.7	48,900*	54.4	218.0	54,500*	57.9	220.7	55,700							120
125	41.1	197.7	39,100*	45.6	205.6	43,100*	48.1	209.4	45,800*	52.0	214.2	50,800*	55.7	217.4	52,800							125
130	38.0	191.5	36,800*	42.8	200.4	40,500*	45.4	204.6	43,000*	49.5	210.0	47,500*	53.3	213.7	50,200							130
135	34.8	184.6	34,800*	39.9	194.6	38,200*	42.7	199.3	40,400*	47.0	205.5	44,500*	50.9	209.8	47,800							135
140	31.2	176.8	32,900*	36.8	188.2	36,000*	39.7	193.5	38,100*	44.3	200.5	41,800*	48.3	205.4	45,500	52.0	208.5	43,800				140
145	27.2	167.7	31,100*	33.4	180.9	34,100*	36.6	187.1	36,000*	41.4	195.0	39,400*	45.7	200.7	43,300*	49.5	204.4	41,700				145
150	22.6	156.7	29,400*	29.7	172.6	32,200*	33.2	179.8	34,000*	38.4	189.0	37,200*	42.9	195.5	40,700*	47.0	199.8	39,900				150
155	16.8	142.3	27,400*	25.5	162.8	30,500*	29.5	171.4	32,100*	35.2	182.1	35,100*	40.0	189.7	38,300*	44.3	194.8	38,100				155
160	7.3	117.9	22,700*	20.5	150.8	28,800*	25.3	161.5	30,400*	31.7	174.4	33,200*	36.9	183.3	36,200*	41.4	189.4	36,500	45.4	193.1	35,000	160
165				13.9	134.1	27,200*	20.3	149.3	28,700*	27.8	165.5	31,400*	33.6	176.1	34,200*	38.4	183.3	35,000	42.6	187.9	33,600	165
170							13.5	132.3	27,100*	23.2	154.8	29,700*	29.9	167.9	32,300*	35.2	176.5	33,600	39.7	182.1	32,200	170
175										17.6	141.0	28,000*	25.7	158.2	30,500*	31.7	168.8	32,200	36.6	175.6	30,900	175
180										9.0	119.1	26,500*	20.8	146.3	28,900*	27.8	159.8	30,900	33.2	168.3	29,700	180
185													14.3	129.9	27,300*	23.3	149.1	29,700*	29.5	159.9	28,500	185
190																17.7	135.4	28,000*	25.2	150.0	27,400	190
195																9.1	113.6	26,500*	20.2	137.8	26,300	195
200																			13.4	120.7	25,300	200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

90 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.5	254.0	93,600*																			55
60	72.6	252.5	90,500*																			60
65	70.8	250.8	87,400*																			65
70	68.8	248.9	84,500*																			70
75	66.9	246.8	80,300*	70.0	249.3	87,000*																75
80	64.9	244.5	73,300*	68.1	247.4	84,300*																80
85	62.9	242.0	67,300*	66.1	245.2	77,500*	68.0	246.5	83,800*													85
90	60.9	239.3	62,100*	64.1	242.8	70,900*	66.0	244.3	77,100*													90
95	58.8	236.4	57,500*	62.1	240.2	65,200*	64.1	241.9	70,600*													95
100	56.7	233.2	53,400*	60.1	237.4	60,200*	62.0	239.3	65,000*													100
105	54.5	229.7	49,800*	58.0	234.4	55,800*	60.0	236.5	60,000*													105
110	52.3	225.9	46,500*	55.8	231.1	52,000*	57.9	233.4	55,700*	61.1	236.3	62,800*										110
115	49.9	221.8	43,600*	53.6	227.5	48,500*	55.7	230.1	51,800*	59.1	233.4	58,100*										115
120	47.5	217.3	40,900*	51.4	223.6	45,400*	53.5	226.5	48,300*	57.0	230.2	54,000*										120
125	45.1	212.5	38,500*	49.0	219.3	42,500*	51.2	222.6	45,200*	54.8	226.7	50,300*										125
130	42.4	207.2	36,300*	46.6	214.7	40,000*	48.9	218.3	42,400*	52.5	223.0	47,000*	55.9	226.1	49,700							130
135	39.7	201.3	34,300*	44.0	209.7	37,600*	46.5	213.7	39,900*	50.2	218.9	44,000*	53.7	222.5	47,300							135
140	36.8	194.9	32,400*	41.4	204.2	35,500*	43.9	208.7	37,600*	47.8	214.5	41,300*	51.5	218.6	45,000							140
145	33.6	187.7	30,700*	38.6	198.1	33,500*	41.2	203.1	35,400*	45.4	209.7	38,900*	49.1	214.4	42,700*	52.6	217.3	41,200				145
150	30.2	179.5	29,100*	35.5	191.4	31,700*	38.4	197.0	33,500*	42.8	204.5	36,600*	46.7	209.8	40,200*	50.2	213.2	39,400				150
155	26.4	170.0	27,500*	32.3	183.8	30,000*	35.4	190.3	31,600*	40.0	198.7	34,600*	44.2	204.8	37,800*	47.9	208.8	37,600				155
160	21.9	158.6	26,000*	28.7	175.2	28,400*	32.1	182.6	30,000*	37.1	192.3	32,700*	41.5	199.3	35,700*	45.4	204.0	36,000				160
165	16.3	143.8	24,200*	24.7	165.0	26,900*	28.5	173.9	28,400*	34.0	185.2	30,900*	38.7	193.2	33,700*	42.8	198.8	34,500	46.4	202.3	33,100	165
170	7.1	118.5	20,000*	19.8	152.5	25,500*	24.5	163.7	26,800*	30.6	177.2	29,300*	35.7	186.5	31,800*	40.1	193.0	33,100	43.9	197.2	31,700	170
175				13.4	135.3	24,100*	19.6	151.1	25,400*	26.8	167.9	27,700*	32.5	179.0	30,100*	37.2	186.6	31,700	41.2	191.7	30,400	175
180							13.0	133.5	24,000*	22.5	156.7	26,200*	28.9	170.4	28,500*	34.0	179.5	30,500	38.4	185.6	29,200	180
185										17.1	142.5	24,800*	24.9	160.4	27,000*	30.7	171.5	29,300*	35.4	178.8	28,000	185
190										8.7	119.8	23,400*	20.1	148.0	25,500*	26.9	162.2	27,700*	32.1	171.2	26,900	190
195													13.8	131.1	24,100*	22.5	151.1	26,200*	28.5	162.5	25,900	195
200																17.1	136.9	24,800*	24.4	152.2	24,900	200
205																8.8	114.3	23,400*	19.5	139.5	24,000	205
210																			12.9	121.8	23,000	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

90 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.5	264.4	86,800*																			55
60	73.7	263.0	84,000*																			60
65	71.9	261.4	81,300*																			65
70	70.1	259.6	78,600*																			70
75	68.3	257.7	76,000*																			75
80	66.5	255.5	73,100*	69.4	258.1	78,300*																80
85	64.7	253.2	67,700*	67.6	256.1	75,500*																85
90	62.8	250.7	62,400*	65.8	253.9	71,300*	67.5	255.2	75,100*													90
95	60.8	248.0	57,700*	63.9	251.5	65,500*	65.7	253.0	71,100*													95
100	58.9	245.0	53,600*	62.0	248.9	60,500*	63.8	250.6	65,300*													100
105	56.9	241.8	49,900*	60.1	246.1	56,000*	61.9	248.0	60,300*													105
110	54.8	238.4	46,600*	58.1	243.0	52,100*	60.0	245.2	55,800*	63.0	247.6	55,300										110
115	52.7	234.7	43,600*	56.1	239.8	48,600*	58.0	242.1	51,900*	61.1	244.9	52,000										115
120	50.6	230.7	40,900*	54.0	236.2	45,400*	56.0	238.8	48,400*	59.1	242.0	48,900										120
125	48.3	226.3	38,500*	51.9	232.4	42,500*	53.9	235.2	45,300*	57.1	238.9	46,200										125
130	46.0	221.6	36,200*	49.7	228.2	39,900*	51.8	231.4	42,400*	55.1	235.4	43,700										130
135	43.6	216.5	34,200*	47.4	223.7	37,600*	49.6	227.2	39,800*	53.0	231.8	41,300	56.2	234.7	38,800							135
140	41.1	210.9	32,300*	45.1	218.9	35,400*	47.3	222.7	37,500*	50.8	227.8	39,200	54.1	231.2	36,700							140
145	38.4	204.8	30,500*	42.6	213.6	33,400*	45.0	217.9	35,300*	48.6	223.5	37,200	52.0	227.4	34,800							145
150	35.6	198.1	28,900*	40.1	207.8	31,600*	42.5	212.6	33,300*	46.3	218.8	35,300	49.8	223.3	33,100	53.0	226.1	30,800				150
155	32.6	190.6	27,400*	37.3	201.5	29,900*	39.9	206.8	31,500*	43.9	213.8	33,600	47.5	218.8	31,400	50.9	222.1	29,300				155
160	29.3	182.1	25,900*	34.4	194.5	28,300*	37.2	200.4	29,800*	41.4	208.3	32,000	45.2	214.0	29,900	48.6	217.8	27,800				160
165	25.5	172.3	24,500*	31.3	186.6	26,800*	34.3	193.3	28,200*	38.8	202.2	30,500	42.8	208.7	28,400	46.3	213.1	26,400				165
170	21.2	160.5	23,200*	27.8	177.6	25,400*	31.1	185.4	26,700*	36.0	195.6	29,100*	40.2	203.0	27,100	43.9	208.1	25,200	47.3	211.3	23,300	170
175	15.8	145.1	21,600*	23.9	167.1	24,000*	27.7	176.4	25,300*	33.0	188.2	27,600*	37.5	196.6	25,800	41.4	202.6	24,000	45.0	206.4	22,100	175
180	6.8	119.1	17,800*	19.2	154.2	22,800*	23.7	165.8	24,000*	29.7	179.8	26,100*	34.6	189.7	24,600	38.8	196.6	22,800	42.5	201.1	21,100	180
185				13.0	136.4	21,500*	19.0	152.7	22,700*	26.0	170.2	24,700*	31.5	181.8	23,500	36.0	189.9	21,700	39.9	195.3	20,000	185
190							12.6	134.5	21,500*	21.8	158.7	23,400*	28.0	172.9	22,400	33.0	182.5	20,700	37.2	188.9	19,100	190
195										16.5	143.9	22,200*	24.1	162.5	21,400	29.7	174.2	19,700	34.3	181.9	18,100	195
200										8.5	120.5	20,900*	19.5	149.7	20,400	26.0	164.5	18,800	31.1	174.0	17,300	200
205													13.4	132.3	19,400	21.8	153.0	17,900	27.6	164.9	16,400	205
210																16.6	138.3	17,100	23.7	154.3	15,600	210
215																8.5	115.0	16,200	18.9	141.2	14,900	215
220																			12.5	122.9	14,100	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

90 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.6	273.4	79,000*																			60
65	73.0	271.9	76,500*																			65
70	71.3	270.2	74,000*																			70
75	69.6	268.4	71,300*																			75
80	67.9	266.4	68,200*	70.6	268.8	73,500*																80
85	66.2	264.3	65,300*	68.9	266.9	70,400*																85
90	64.4	261.9	61,800*	67.2	264.8	67,500*																90
95	62.6	259.4	57,200*	65.5	262.6	64,700*	67.1	264.0	67,200*													95
100	60.8	256.6	53,000*	63.7	260.2	59,900*	65.4	261.7	64,500*													100
105	59.0	253.7	49,300*	61.9	257.6	55,500*	63.6	259.3	59,700*													105
110	57.1	250.5	46,000*	60.1	254.8	51,500*	61.8	256.7	55,300*													110
115	55.1	247.1	43,100*	58.2	251.7	48,000*	60.0	253.8	51,400*	62.8	256.3	51,300										115
120	53.2	243.4	40,400*	56.3	248.4	44,900*	58.1	250.8	47,900*	61.0	253.6	48,300										120
125	51.1	239.5	37,900*	54.4	244.9	42,000*	56.2	247.5	44,700*	59.2	250.7	45,600										125
130	49.0	235.3	35,700*	52.4	241.2	39,400*	54.3	244.0	41,900*	57.3	247.5	43,000										130
135	46.9	230.7	33,600*	50.3	237.1	37,000*	52.3	240.2	39,300*	55.4	244.2	40,700										135
140	44.7	225.7	31,700*	48.2	232.7	34,900*	50.2	236.1	36,900*	53.4	240.5	38,600	56.4	243.4	36,100							140
145	42.3	220.4	30,000*	46.0	228.0	32,900*	48.1	231.7	34,800*	51.4	236.6	36,600	54.5	239.9	34,200							145
150	39.9	214.6	28,400*	43.7	222.9	31,000*	45.9	227.0	32,800*	49.3	232.4	34,700	52.5	236.2	32,400							150
155	37.3	208.2	26,900*	41.4	217.4	29,300*	43.6	221.9	31,000*	47.2	227.9	33,000	50.4	232.1	30,800							155
160	34.6	201.2	25,400*	38.9	211.4	27,800*	41.3	216.3	29,300*	44.9	223.0	31,400	48.3	227.8	29,200	51.4	230.9	27,100				160
165	31.6	193.4	24,100*	36.2	204.8	26,300*	38.8	210.3	27,700*	42.6	217.7	29,900	46.1	223.1	27,800	49.3	226.7	25,800				165
170	28.4	184.6	22,800*	33.4	197.5	24,900*	36.1	203.7	26,200*	40.2	211.9	28,500	43.9	218.0	26,500	47.2	222.2	24,500				170
175	24.8	174.5	21,600*	30.4	189.3	23,600*	33.3	196.3	24,900*	37.6	205.7	27,100*	41.5	212.5	25,200	44.9	217.3	23,300				175
180	20.6	162.3	20,500*	27.0	180.0	22,400*	30.2	188.1	23,600*	34.9	198.7	25,700*	39.0	206.5	24,000	42.6	212.0	22,200	45.9	215.6	20,400	180
185	15.3	146.5	19,000*	23.2	169.2	21,200*	26.9	178.8	22,300*	32.0	191.1	24,300*	36.4	199.9	22,900	40.2	206.3	21,100	43.6	210.4	19,400	185
190	6.6	119.6	15,600*	18.7	155.8	20,100*	23.0	167.8	21,100*	28.8	182.4	23,000*	33.6	192.7	21,800	37.7	200.0	20,100	41.2	204.9	18,400	190
195				12.6	137.5	19,000*	18.4	154.3	20,000*	25.3	172.4	21,800*	30.5	184.6	20,800	34.9	193.1	19,100	38.7	198.8	17,500	195
200							12.3	135.6	18,900*	21.2	160.5	20,600*	27.2	175.3	19,800	32.0	185.4	18,200	36.1	192.2	16,600	200
205										16.1	145.3	19,500*	23.4	164.6	18,900	28.8	176.7	17,300	33.3	184.9	15,800	205
210										8.2	121.2	18,400*	18.9	151.4	18,000	25.3	166.8	16,500	30.2	176.7	15,000	210
215													13.0	133.4	17,200	21.2	154.9	15,700	26.8	167.3	14,300	215
220																16.1	139.7	14,900	23.0	156.3	13,500	220
225																8.3	115.7	14,100	18.4	142.8	12,800	225
230																			12.2	123.9	12,100	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

90 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.5	283.7	74,200*																			60
65	73.9	282.3	72,000*																			65
70	72.3	280.8	69,400*																			70
75	70.7	279.1	66,700*																			75
80	69.1	277.2	63,900*																			80
85	67.5	275.2	61,200*	70.1	277.6	65,800*																85
90	65.8	273.0	58,500*	68.5	275.7	63,200*																90
95	64.2	270.6	55,800*	66.8	273.6	60,500*																95
100	62.5	268.0	52,500*	65.2	271.3	57,800*	66.8	272.7	60,200*													100
105	60.8	265.3	48,800*	63.5	268.9	55,000*	65.1	270.4	57,600*													105
110	59.0	262.4	45,500*	61.8	266.2	51,100*	63.4	268.0	54,800*													110
115	57.2	259.2	42,600*	60.1	263.4	47,500*	61.7	265.3	50,900*													115
120	55.4	255.8	39,900*	58.3	260.4	44,400*	60.0	262.5	47,400*	62.7	265.0	47,700										120
125	53.5	252.2	37,400*	56.5	257.1	41,500*	58.2	259.5	44,200*	61.0	262.3	45,000										125
130	51.6	248.3	35,200*	54.7	253.7	38,900*	56.4	256.2	41,400*	59.2	259.3	42,500										130
135	49.7	244.2	33,100*	52.8	249.9	36,500*	54.6	252.7	38,800*	57.4	256.2	40,100										135
140	47.7	239.7	31,200*	50.9	246.0	34,400*	52.7	249.0	36,400*	55.6	252.9	38,000										140
145	45.6	234.9	29,500*	48.9	241.7	32,400*	50.8	245.0	34,300*	53.8	249.3	36,000	56.6	252.1	33,600							145
150	43.4	229.7	27,900*	46.8	237.1	30,500*	48.8	240.7	32,300*	51.9	245.4	34,200	54.8	248.7	31,800							150
155	41.1	224.2	26,400*	44.7	232.2	28,800*	46.7	236.1	30,500*	49.9	241.3	32,500	52.9	245.0	30,200							155
160	38.8	218.1	24,900*	42.5	226.8	27,300*	44.6	231.1	28,800*	47.9	236.9	30,900	51.0	241.0	28,700							160
165	36.3	211.5	23,600*	40.2	221.1	25,800*	42.4	225.8	27,200*	45.8	232.1	29,400	49.0	236.7	27,200	51.9	239.7	25,200				165
170	33.6	204.3	22,400*	37.8	214.8	24,400*	40.1	220.0	25,700*	43.7	227.0	28,000	46.9	232.1	25,900	49.9	235.6	23,900				170
175	30.7	196.2	21,200*	35.2	208.0	23,200*	37.7	213.7	24,400*	41.4	221.5	26,600*	44.8	227.2	24,600	47.9	231.2	22,700				175
180	27.6	187.1	20,100*	32.5	200.4	22,000*	35.1	206.8	23,100*	39.1	215.5	25,200*	42.6	221.9	23,500	45.8	226.4	21,600				180
185	24.1	176.6	19,000*	29.5	192.0	20,800*	32.4	199.3	21,900*	36.6	209.0	23,800*	40.3	216.2	22,300	43.7	221.3	20,500	46.7	224.6	18,800	185
190	20.0	164.0	18,000*	26.3	182.4	19,700*	29.4	190.8	20,700*	33.9	201.8	22,600*	37.9	210.0	21,300	41.4	215.8	19,500	44.6	219.7	17,800	190
195	14.9	147.7	16,600*	22.6	171.2	18,600*	26.1	181.1	19,600*	31.1	193.8	21,400*	35.4	203.1	20,300	39.1	209.8	18,600	42.4	214.3	16,900	195
200	6.4	120.2	13,500*	18.2	157.4	17,600*	22.4	169.8	18,600*	28.0	184.9	20,300*	32.6	195.6	19,300	36.6	203.3	17,700	40.1	208.6	16,000	200
205				12.3	138.5	16,600*	17.9	155.9	17,600*	24.6	174.6	19,200*	29.7	187.2	18,400	34.0	196.1	16,800	37.7	202.3	15,200	205
210							11.9	136.6	16,600*	20.6	162.3	18,100*	26.4	177.7	17,500	31.1	188.2	16,000	35.1	195.4	14,400	210
215										15.6	146.7	17,200*	22.8	166.6	16,700	28.0	179.2	15,200	32.3	187.8	13,700	215
220										8.0	121.9	16,200*	18.4	153.0	15,900	24.6	168.9	14,400	29.4	179.3	13,000	220
225													12.6	134.5	15,100	20.6	156.7	13,700	26.1	169.6	12,300	225
230																15.6	141.1	13,000	22.3	158.3	11,600	230
235																8.1	116.4	12,300	17.9	144.3	11,000	235
240																			11.8	125.0	10,400	240

MANITOWOC ENGINEERING CO.

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

90 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.7	292.7	66,200*																			65
70	73.2	291.3	64,500*																			70
75	71.7	289.7	62,000*																			75
80	70.2	287.9	59,300*																			80
85	68.7	286.0	56,700*																			85
90	67.1	283.9	54,000*	69.6	286.4	58,500*																90
95	65.6	281.7	51,500*	68.1	284.4	56,000*																95
100	64.0	279.3	49,000*	66.5	282.3	53,400*	68.0	283.6	55,600*													100
105	62.4	276.7	46,500*	64.9	280.0	50,900*	66.4	281.4	53,100*													105
110	60.7	274.0	44,200*	63.3	277.5	48,400*	64.8	279.1	50,700*													110
115	59.1	271.0	41,900*	61.7	274.9	46,000*	63.3	276.6	48,200*													115
120	57.4	267.9	39,300*	60.1	272.1	43,600*	61.6	274.0	45,900*													120
125	55.6	264.5	36,900*	58.4	269.0	40,900*	60.0	271.2	43,600*	62.6	273.7	44,300										125
130	53.9	260.9	34,600*	56.7	265.8	38,300*	58.3	268.1	40,800*	60.9	270.9	41,800										130
135	52.1	257.1	32,600*	54.9	262.4	36,000*	56.6	264.9	38,200*	59.3	268.0	39,500										135
140	50.2	253.0	30,700*	53.2	258.7	33,800*	54.9	261.4	35,900*	57.6	264.9	37,400										140
145	48.3	248.7	28,900*	51.3	254.8	31,800*	53.1	257.7	33,700*	55.9	261.6	35,400										145
150	46.4	244.0	27,300*	49.5	250.6	30,000*	51.3	253.8	31,700*	54.1	258.0	33,600	56.8	260.8	31,200							150
155	44.3	239.0	25,800*	47.6	246.1	28,300*	49.4	249.6	29,900*	52.3	254.2	31,800	55.0	257.4	29,500							155
160	42.2	233.6	24,400*	45.6	241.3	26,700*	47.5	245.1	28,200*	50.5	250.2	30,200	53.3	253.7	28,000							160
165	40.0	227.8	23,100*	43.5	236.2	25,200*	45.5	240.3	26,700*	48.6	245.8	28,800	51.4	249.8	26,600							165
170	37.7	221.5	21,900*	41.4	230.6	23,900*	43.4	235.1	25,200*	46.6	241.2	27,400	49.6	245.6	25,300	52.3	248.5	23,200				170
175	35.3	214.7	20,700*	39.1	224.6	22,600*	41.3	229.6	23,800*	44.6	236.3	26,000*	47.6	241.2	24,000	50.5	244.5	22,000				175
180	32.7	207.2	19,600*	36.8	218.2	21,400*	39.0	223.6	22,600*	42.5	230.9	24,600*	45.7	236.4	22,800	48.6	240.1	20,900				180
185	29.9	198.9	18,600*	34.3	211.1	20,300*	36.7	217.1	21,400*	40.3	225.2	23,300*	43.6	231.3	21,700	46.6	235.5	19,900				185
190	26.9	189.5	17,600*	31.6	203.2	19,200*	34.2	209.9	20,200*	38.0	219.0	22,000*	41.5	225.7	20,700	44.6	230.6	18,900	47.4	233.7	17,100	190
195	23.5	178.7	16,600*	28.8	194.5	18,200*	31.5	202.1	19,200*	35.6	212.2	20,900*	39.3	219.8	19,700	42.5	225.2	17,900	45.5	228.9	16,200	195
200	19.5	165.7	15,700*	25.6	184.6	17,200*	28.6	193.3	18,200*	33.1	204.8	19,800*	36.9	213.3	18,700	40.3	219.5	17,000	43.4	223.7	15,400	200
205	14.5	149.0	14,400*	22.0	173.1	16,300*	25.4	183.4	17,200*	30.3	196.5	18,700*	34.4	206.2	17,800	38.0	213.3	16,200	41.2	218.1	14,600	205
210	6.3	120.7	11,600*	17.7	159.0	15,400*	21.8	171.7	16,200*	27.3	187.3	17,700*	31.8	198.5	17,000	35.6	206.5	15,300	39.0	212.1	13,800	210
215				11.9	139.5	14,500*	17.5	157.4	15,300*	23.9	176.7	16,800*	28.9	189.8	16,100	33.1	199.1	14,600	36.7	205.6	13,100	215
220							11.6	137.6	14,400*	20.0	164.1	15,800*	25.8	180.0	15,300	30.3	190.9	13,800	34.2	198.5	12,300	220
225										15.2	148.0	14,900*	22.2	168.5	14,600	27.3	181.7	13,100	31.5	190.6	11,700	225
230										7.8	122.5	14,000*	17.9	154.5	13,800	23.9	171.1	12,400	28.6	181.8	11,000	230
235													12.3	135.5	13,100	20.1	158.4	11,800	25.4	171.9	10,400	235
240																15.2	142.4	11,100	21.8	160.2	9,800	240
245																7.8	117.1	10,400	17.4	145.8	9,200	245
250																			11.5	125.9	8,600	250

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

100 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	68.7	174.9	175,800*b																			38
40	66.9	174.0	169,100*b																			40
45	62.4	171.6	153,900*b																			45
50	57.6	168.6	136,700*b	65.9	172.7	164,200*b																50
55	52.5	164.9	119,500*	61.3	170.1	149,900*b	66.2	172.0	164,100*b													55
60	47.1	160.5	105,900*	56.5	167.0	132,500*b	61.6	169.4	148,500b													60
65	41.1	155.2	94,900*	51.4	163.2	116,200*	56.8	166.3	133,600*b													65
70	34.2	148.5	85,900*	45.8	158.6	103,300*	51.7	162.6	117,000*	60.4	166.6	118,000b										70
75	25.8	139.4	78,200*	39.7	153.0	92,800*	46.1	158.0	104,000*	55.5	163.4	108,100										75
80	12.6	124.1	71,700*	32.5	145.9	84,100*	40.0	152.5	93,400*	50.3	159.4	99,800										80
85				23.5	136.0	76,700*	33.0	145.5	84,600*	44.6	154.7	92,500	53.9	159.4	89,300							85
90				6.3	115.8	70,400*	24.1	135.9	77,100*	38.3	148.8	86,100	48.6	155.3	83,200							90
95							8.4	117.5	70,700*	30.9	141.2	80,500	42.8	150.2	77,800	52.0	154.5	75,100				95
100										21.2	130.5	75,400*	36.2	143.9	73,000	46.5	150.0	70,500				100
105													28.2	135.6	68,600	40.5	144.6	66,300				105
110													17.1	123.0	64,600	33.5	137.7	62,500	44.0	143.6	60,400	110
115																24.8	128.3	59,100	37.6	137.6	57,100	115
120																10.4	111.5	55,800	30.1	129.9	54,100	120
125																			20.0	118.6	51,300	125

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

100 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	71.5	185.6	171,700*b																			38
40	70.0	184.9	165,200*b																			40
45	66.1	182.8	150,700*b																			45
50	62.1	180.2	137,500*b	69.1	183.6	160,700*b																50
55	57.9	177.2	120,200*	65.2	181.4	147,100*b																55
60	53.5	173.7	106,500*	61.2	178.8	133,300*b	65.4	180.7	147,300*b													60
65	48.9	169.5	95,400*	56.9	175.7	116,900*	61.4	178.1	133,600													65
70	43.8	164.6	86,200*	52.5	172.0	103,800*	57.2	175.0	117,800*													70
75	38.3	158.7	78,600*	47.8	167.7	93,200*	52.8	171.4	104,500*	60.3	175.3	107,700										75
80	31.9	151.3	72,000*	42.7	162.6	84,500*	48.1	167.1	93,800*	56.1	172.1	99,300										80
85	24.0	141.5	66,400*	36.9	156.4	77,100*	43.0	162.0	84,900*	51.6	168.3	92,100										85
90	11.7	125.1	61,400*	30.3	148.6	70,700*	37.3	155.9	77,500*	46.8	163.8	85,700	54.7	168.2	82,700							90
95				21.9	138.0	65,200*	30.7	148.2	71,100*	41.5	158.5	80,100	50.1	164.2	77,300							95
100				5.8	116.2	60,400*	22.4	137.8	65,500*	35.7	152.0	75,200	45.2	159.5	72,500							100
105							7.8	118.1	60,700*	28.8	143.8	69,600*	39.8	153.9	68,200	48.4	159.1	65,800				105
110										19.7	132.2	64,200*	33.7	146.9	64,400	43.3	154.1	62,100				110
115													26.3	138.0	60,800	37.7	148.0	58,700	46.3	152.8	56,600	115
120													15.9	124.4	57,600	31.2	140.5	55,600	41.0	147.4	53,600	120
125																23.1	130.3	52,700	35.1	140.8	50,900	125
130																9.7	112.3	50,000	28.0	132.3	48,300	130
135																			18.6	120.2	46,000	135

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

100 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	73.6	196.1	167,300*b																			38
40	72.3	195.5	161,200*b																			40
45	68.9	193.6	147,400*b																			45
50	65.4	191.5	135,600*b																			50
55	61.9	188.9	120,700*	68.1	192.4	144,200*b																55
60	58.1	185.9	106,900*	64.6	190.1	133,000*																60
65	54.3	182.5	95,700*	61.0	187.4	117,400*	64.8	189.4	133,200													65
70	50.2	178.5	86,500*	57.3	184.4	104,200*	61.2	186.7	118,300*													70
75	45.9	173.8	78,800*	53.4	180.8	93,600*	57.5	183.7	104,900*													75
80	41.2	168.4	72,200*	49.3	176.7	84,700*	53.6	180.2	94,100*	60.3	183.9	98,900										80
85	36.0	162.0	66,500*	44.9	171.9	77,300*	49.5	176.1	85,200*	56.5	180.8	91,700										85
90	30.0	154.0	61,500*	40.1	166.3	70,900*	45.1	171.3	77,700*	52.6	177.1	85,400										90
95	22.6	143.5	57,200*	34.7	159.5	65,400*	40.3	165.7	71,200*	48.4	172.8	79,800	55.3	176.9	76,900							95
100	11.0	126.0	53,300*	28.5	151.1	60,600*	35.0	159.1	65,700*	43.9	167.9	74,800	51.3	173.1	72,100							100
105				20.6	139.7	56,300*	28.9	150.8	60,800*	39.0	162.1	69,700*	47.0	168.6	67,900							105
110				5.5	116.6	52,500*	21.1	139.7	56,600*	33.5	155.0	64,400*	42.5	163.4	64,000	49.8	168.0	61,600				110
115							7.3	118.7	52,700*	27.0	146.2	59,700*	37.4	157.3	60,500	45.4	163.3	58,300				115
120										18.5	133.8	55,500*	31.7	149.8	57,300	40.7	157.8	55,200	48.0	161.9	53,200	120
125													24.7	140.1	54,400	35.4	151.2	52,400	43.5	156.9	50,500	125
130													15.0	125.6	51,700	29.4	143.1	49,800	38.5	150.9	48,000	130
135																21.7	132.2	47,400	33.0	143.8	45,700	135
140																9.1	113.0	45,100	26.4	134.7	43,600	140
145																			17.5	121.7	41,600	145

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

100 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	75.3	206.6	156,000*b																			38
40	74.1	206.0	152,800*b																			40
45	71.1	204.3	143,900*b																			45
50	68.0	202.4	132,600*																			50
55	64.9	200.1	120,800*	70.4	203.1	141,000*b																55
60	61.7	197.6	106,900*	67.3	201.1	130,400*																60
65	58.3	194.6	95,700*	64.2	198.8	117,500*	67.5	200.4	130,600*													65
70	54.9	191.2	86,500*	60.9	196.1	104,300*	64.4	198.1	118,400*													70
75	51.3	187.3	78,700*	57.6	193.0	93,500*	61.1	195.4	105,000*													75
80	47.4	182.9	72,100*	54.1	189.6	84,700*	57.8	192.4	94,100*													80
85	43.4	177.9	66,400*	50.4	185.6	77,200*	54.3	188.9	85,100*	60.2	192.6	91,200										85
90	38.9	172.0	61,400*	46.5	181.0	70,800*	50.6	185.0	77,600*	56.9	189.5	84,900										90
95	34.0	165.0	57,000*	42.4	175.8	65,200*	46.8	180.4	71,100*	53.3	185.9	79,300										95
100	28.4	156.5	53,100*	37.9	169.7	60,400*	42.6	175.3	65,500*	49.6	181.8	74,400	55.8	185.6	71,600							100
105	21.4	145.4	49,700*	32.8	162.5	56,100*	38.2	169.2	60,700*	45.7	177.1	69,600*	52.2	181.9	67,300							105
110	10.4	126.9	46,500*	27.0	153.5	52,400*	33.1	162.1	56,400*	41.5	171.7	64,200*	48.5	177.6	63,500							110
115				19.5	141.4	49,000*	27.3	153.2	52,600*	36.9	165.4	59,500*	44.5	172.8	60,100	50.9	176.9	57,700				115
120				5.1	117.0	45,800*	20.0	141.4	49,200*	31.7	157.9	55,400*	40.1	167.1	56,900	47.1	172.4	54,700				120
125							6.9	119.2	46,000*	25.6	148.5	51,700*	35.4	160.5	54,000	42.9	167.3	51,900				125
130										17.5	135.3	48,400*	30.0	152.5	51,400	38.5	161.3	49,400	45.3	166.1	47,400	130
135													23.4	142.2	48,900	33.5	154.3	47,000	41.1	160.6	45,200	135
140													14.2	126.9	46,600	27.8	145.6	44,800	36.4	154.2	43,100	140
145																20.6	134.0	42,800	31.2	146.6	41,100	145
150																8.6	113.7	40,800	24.9	136.9	39,300	150
155																			16.6	123.2	37,600	155

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

100 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	75.6	216.4	144,200*																			40
45	72.9	214.9	138,000*																			45
50	70.1	213.2	129,300*																			50
55	67.3	211.1	119,900*																			55
60	64.5	208.8	110,100*	69.5	211.9	127,200*																60
65	61.5	206.2	98,400*	66.7	209.8	118,400*																65
70	58.5	203.2	88,900*	63.8	207.5	107,300*	66.9	209.1	118,700*													70
75	55.4	199.9	80,800*	60.8	204.8	96,200*	64.0	206.7	108,000*													75
80	52.1	196.1	74,000*	57.8	201.7	87,000*	61.0	204.1	96,800*													80
85	48.7	191.9	68,100*	54.6	198.3	79,200*	58.0	201.0	87,500*													85
90	45.1	187.1	63,000*	51.3	194.4	72,600*	54.8	197.6	79,700*	60.2	201.3	84,400										90
95	41.2	181.6	58,500*	47.9	190.1	66,900*	51.5	193.8	73,000*	57.2	198.1	78,800										95
100	37.0	175.4	54,500*	44.2	185.1	61,900*	48.1	189.5	67,200*	54.0	194.6	73,900										100
105	32.4	167.9	50,900*	40.3	179.5	57,600*	44.4	184.6	62,200*	50.6	190.7	69,500	56.2	194.3	66,900							105
110	27.0	158.9	47,700*	36.0	173.0	53,700*	40.5	179.0	57,800*	47.2	186.2	65,600	53.0	190.7	63,000							110
115	20.3	147.1	44,800*	31.2	165.3	50,200*	36.3	172.5	53,900*	43.4	181.1	61,000*	49.6	186.6	59,600							115
120	9.9	127.7	40,100*	25.7	155.8	47,100*	31.5	164.9	50,400*	39.5	175.3	56,800*	46.0	181.9	56,400	51.8	185.7	54,200				120
125				18.5	143.0	44,300*	26.0	155.5	47,300*	35.1	168.6	53,000*	42.3	176.7	53,600	48.3	181.4	51,400				125
130				4.8	117.3	39,500*	19.0	143.0	44,400*	30.2	160.6	49,600*	38.2	170.6	50,900	44.7	176.6	48,900				130
135							6.5	119.7	41,400*	24.3	150.6	46,500*	33.7	163.5	48,500	40.8	171.1	46,600	46.8	175.2	44,700	135
140										16.7	136.7	43,700*	28.5	155.0	46,300	36.6	164.7	44,400	43.1	170.1	42,600	140
145													22.3	144.1	44,100	31.9	157.1	42,400	39.1	164.2	40,700	145
150													13.5	128.0	42,200	26.4	147.9	40,500	34.7	157.4	38,900	150
155																19.6	135.7	38,700	29.7	149.2	37,200	155
160																8.1	114.4	37,000	23.7	139.0	35,600	160
165																			15.8	124.5	34,100	165

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

100 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.4	225.4	128,700*																			45
50	71.9	223.8	123,500*																			50
55	69.3	222.0	117,300*																			55
60	66.7	219.9	109,300*																			60
65	64.1	217.5	98,100*	68.7	220.7	115,900*																65
70	61.4	214.9	88,500*	66.1	218.6	107,000*																70
75	58.6	211.9	80,500*	63.5	216.1	95,900*	66.3	217.8	107,800*													75
80	55.8	208.6	73,600*	60.8	213.4	86,700*	63.6	215.4	96,500*													80
85	52.8	204.9	67,700*	58.0	210.4	78,900*	60.9	212.7	87,200*													85
90	49.7	200.8	62,600*	55.1	207.0	72,300*	58.1	209.7	79,300*	62.9	212.7	83,900										90
95	46.5	196.2	58,100*	52.1	203.2	66,500*	55.3	206.4	72,600*	60.2	209.9	78,300										95
100	43.0	191.1	54,100*	49.0	199.0	61,600*	52.3	202.6	66,900*	57.4	206.8	73,400										100
105	39.4	185.3	50,500*	45.7	194.3	57,200*	49.2	198.4	61,800*	54.5	203.4	69,000										105
110	35.4	178.6	47,300*	42.2	189.0	53,300*	45.9	193.8	57,400*	51.5	199.5	65,100	56.5	203.0	62,500							110
115	30.9	170.7	44,400*	38.5	183.0	49,800*	42.4	188.5	53,500*	48.3	195.2	60,700*	53.6	199.4	59,100							115
120	25.8	161.2	41,800*	34.4	176.1	46,700*	38.7	182.5	50,000*	45.0	190.4	56,400*	50.5	195.4	55,900							120
125	19.4	148.8	39,400*	29.9	167.9	43,900*	34.7	175.7	46,900*	41.5	185.0	52,600*	47.3	191.0	53,100	52.5	194.5	50,900				125
130	9.4	128.5	35,400*	24.5	158.0	41,300*	30.1	167.6	44,000*	37.7	178.8	49,200*	44.0	186.0	50,500	49.4	190.4	48,400				130
135				17.7	144.6	38,900*	24.9	157.7	41,400*	33.5	171.6	46,100*	40.4	180.4	48,000	46.1	185.7	46,100				135
140				4.6	117.7	34,900*	18.2	144.6	39,100*	28.8	163.2	43,400*	36.5	173.9	45,800	42.7	180.5	43,900	48.0	184.2	42,100	140
145							6.2	120.2	36,600*	23.3	152.6	40,800*	32.2	166.4	43,700	39.0	174.6	41,900	44.7	179.4	40,100	145
150										15.9	138.1	38,500*	27.2	157.4	41,800	35.0	167.8	40,100	41.1	173.9	38,400	150
155													21.3	146.0	40,000	30.5	159.9	38,300	37.3	167.6	36,700	155
160													12.9	129.1	37,900*	25.3	150.1	36,700	33.1	160.4	35,100	160
165																18.7	137.4	35,100	28.4	151.7	33,700	165
170																7.7	115.0	33,600	22.7	141.0	32,300	170
175																			15.0	125.8	30,900	175

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

100 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.6	235.7	119,300*																			45
50	73.3	234.3	114,700*																			50
55	71.0	232.6	110,300*																			55
60	68.6	230.7	106,000*																			60
65	66.2	228.6	98,900*	70.5	231.4	110,500*																65
70	63.8	226.2	89,200*	68.1	229.5	105,700*																70
75	61.3	223.5	81,000*	65.7	227.3	96,600*																75
80	58.7	220.6	74,000*	63.2	224.8	87,200*	65.8	226.5	97,300*													80
85	56.1	217.3	68,000*	60.7	222.1	79,400*	63.4	224.1	87,800*													85
90	53.4	213.7	62,800*	58.1	219.1	72,600*	60.9	221.4	79,800*													90
95	50.6	209.7	58,300*	55.5	215.7	66,800*	58.3	218.4	73,000*	62.7	221.4	78,100										95
100	47.6	205.3	54,200*	52.8	212.0	61,800*	55.6	215.1	67,200*	60.2	218.6	73,200										100
105	44.5	200.4	50,600*	49.9	207.9	57,300*	52.9	211.4	62,100*	57.6	215.5	68,800										105
110	41.2	194.9	47,400*	46.9	203.4	53,400*	50.1	207.3	57,600*	54.9	212.1	64,900										110
115	37.7	188.7	44,500*	43.8	198.4	49,900*	47.1	202.8	53,600*	52.2	208.3	60,900*	56.8	211.7	58,800							115
120	33.9	181.6	41,800*	40.5	192.7	46,700*	44.0	197.8	50,100*	49.3	204.1	56,500*	54.1	208.2	55,700							120
125	29.7	173.4	39,400*	36.9	186.4	43,900*	40.7	192.2	46,900*	46.3	199.5	52,700*	51.3	204.3	52,800							125
130	24.8	163.4	37,200*	33.0	179.1	41,300*	37.1	185.9	44,100*	43.1	194.4	49,300*	48.4	200.0	50,200							130
135	18.6	150.5	35,200*	28.6	170.5	38,900*	33.2	178.7	41,500*	39.8	188.6	46,200*	45.4	195.2	47,800	50.3	199.3	45,800				135
140	9.0	129.2	31,600*	23.5	160.0	36,800*	28.9	170.2	39,100*	36.1	182.0	43,400*	42.1	189.9	45,600	47.3	194.8	43,700				140
145				17.0	146.0	34,800*	23.8	159.8	36,900*	32.2	174.5	40,800*	38.7	183.9	43,500	44.2	189.8	41,700				145
150				4.4	118.0	31,200*	17.4	146.1	34,900*	27.7	165.6	38,500*	35.0	177.1	41,600	40.9	184.3	39,800	46.0	188.5	38,100	150
155							6.0	120.7	32,800*	22.3	154.6	36,400*	30.8	169.2	39,800	37.4	178.0	38,100	42.8	183.3	36,500	155
160										15.3	139.4	34,400*	26.1	159.7	37,900*	33.5	170.8	36,500	39.4	177.5	34,900	160
165													20.4	147.8	35,800*	29.2	162.5	35,000	35.8	170.8	33,500	165
170													12.3	130.1	33,900*	24.2	152.3	33,600	31.8	163.2	32,100	170
175																17.9	138.9	32,200	27.2	154.2	30,800	175
180																7.4	115.6	30,900	21.8	142.9	29,600	180
185																			14.4	127.0	28,400	185

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

100 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.5	244.7	107,500*																			50
55	72.4	243.2	103,500*																			55
60	70.2	241.4	99,700*																			60
65	68.0	239.5	96,000*																			65
70	65.8	237.3	88,800*	69.7	240.2	100,000*																70
75	63.5	234.9	80,500*	67.5	238.2	96,300*																75
80	61.2	232.2	73,600*	65.3	236.0	86,800*	67.7	237.5	96,500*													80
85	58.8	229.2	67,600*	63.0	233.5	78,900*	65.4	235.2	87,400*													85
90	56.4	226.0	62,400*	60.7	230.7	72,200*	63.1	232.8	79,400*													90
95	53.9	222.5	57,800*	58.3	227.7	66,400*	60.8	230.0	72,600*													95
100	51.3	218.6	53,800*	55.8	224.4	61,300*	58.4	227.1	66,700*	62.5	230.0	72,700										100
105	48.6	214.3	50,200*	53.3	220.8	56,900*	56.0	223.8	61,600*	60.2	227.2	68,300										105
110	45.8	209.5	46,900*	50.7	216.8	53,000*	53.4	220.2	57,200*	57.8	224.2	64,400										110
115	42.8	204.3	44,000*	48.0	212.4	49,400*	50.8	216.2	53,200*	55.3	220.8	60,400*										115
120	39.7	198.5	41,400*	45.1	207.6	46,300*	48.1	211.8	49,600*	52.8	217.1	56,100*	57.0	220.4	55,200							120
125	36.3	192.0	39,000*	42.1	202.3	43,400*	45.3	207.0	46,500*	50.1	213.0	52,200*	54.5	216.9	52,300							125
130	32.6	184.5	36,800*	38.9	196.3	40,800*	42.3	201.7	43,600*	47.4	208.6	48,800*	52.0	213.1	49,700							130
135	28.5	175.9	34,700*	35.5	189.6	38,500*	39.1	195.8	41,000*	44.5	203.6	45,700*	49.3	208.9	47,300							135
140	23.8	165.5	32,900*	31.8	181.9	36,300*	35.7	189.1	38,600*	41.5	198.2	42,900*	46.5	204.3	45,100	51.0	208.1	43,100				140
145	17.9	152.0	31,100*	27.6	173.0	34,300*	32.0	181.5	36,500*	38.2	192.1	40,400*	43.6	199.2	43,100	48.3	203.8	41,200				145
150	8.7	129.9	28,000*	22.6	162.0	32,500*	27.8	172.6	34,500*	34.8	185.2	38,100*	40.5	193.6	41,200	45.5	199.0	39,300				150
155				16.3	147.5	30,800*	22.9	161.8	32,600*	30.9	177.3	35,900*	37.2	187.3	39,400	42.5	193.8	37,600	47.1	197.6	35,900	155
160				4.2	118.3	27,700*	16.8	147.6	30,900*	26.6	168.0	34,000*	33.6	180.1	37,400*	39.4	187.9	36,000	44.2	192.6	34,400	160
165							5.7	121.1	29,100*	21.5	156.5	32,200*	29.7	171.8	35,300*	36.0	181.3	34,500	41.2	187.1	33,000	165
170										14.7	140.7	30,500*	25.2	162.0	33,400*	32.3	173.7	33,100	37.9	180.9	31,600	170
175													19.7	149.5	31,700*	28.1	165.0	31,800	34.4	174.0	30,300	175
180													11.9	131.1	30,000*	23.3	154.3	30,500	30.6	165.9	29,100	180
185																17.3	140.4	29,300	26.2	156.5	28,000	185
190																7.1	116.2	28,100	20.9	144.7	26,900	190
195																			13.9	128.2	25,800	195

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

100 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.6	255.1	102,500*																			50
55	73.6	253.7	99,100*																			55
60	71.6	252.1	95,800*																			60
65	69.6	250.2	92,600*																			65
70	67.5	248.2	89,500*																			70
75	65.4	246.0	81,400*	69.1	249.0	92,900*																75
80	63.3	243.5	74,300*	67.0	246.9	87,700*																80
85	61.1	240.9	68,200*	64.9	244.7	79,700*	67.2	246.2	88,300*													85
90	58.9	237.9	62,900*	62.8	242.2	72,900*	65.1	243.9	80,200*													90
95	56.6	234.7	58,300*	60.6	239.4	67,000*	62.9	241.4	73,300*													95
100	54.3	231.2	54,200*	58.4	236.4	61,900*	60.7	238.7	67,300*													100
105	51.9	227.4	50,600*	56.1	233.1	57,400*	58.5	235.7	62,200*	62.4	238.7	67,800										105
110	49.4	223.2	47,300*	53.8	229.5	53,400*	56.2	232.5	57,600*	60.2	235.9	63,900										110
115	46.8	218.6	44,300*	51.3	225.7	49,800*	53.9	228.9	53,600*	57.9	232.8	60,300										115
120	44.1	213.6	41,700*	48.8	221.4	46,600*	51.5	225.0	50,000*	55.6	229.5	56,600*										120
125	41.3	208.1	39,200*	46.2	216.7	43,700*	49.0	220.8	46,800*	53.3	225.9	52,700*	57.2	229.1	51,800							125
130	38.2	202.0	37,000*	43.5	211.6	41,100*	46.4	216.2	43,900*	50.8	221.9	49,200*	54.9	225.6	49,200							130
135	35.0	195.1	34,900*	40.6	206.0	38,700*	43.6	211.1	41,300*	48.3	217.6	46,000*	52.5	221.9	46,900							135
140	31.5	187.4	33,100*	37.5	199.7	36,500*	40.8	205.5	38,900*	45.7	212.8	43,200*	50.1	217.8	44,700							140
145	27.5	178.4	31,300*	34.2	192.7	34,500*	37.7	199.2	36,700*	42.9	207.6	40,600*	47.5	213.4	42,600	51.7	216.9	40,700				145
150	23.0	167.5	29,700*	30.6	184.7	32,700*	34.4	192.2	34,700*	40.0	201.8	38,300*	44.8	208.5	40,700	49.2	212.7	38,900				150
155	17.3	153.5	27,900*	26.6	175.3	31,000*	30.9	184.3	32,800*	36.9	195.4	36,100*	42.0	203.1	38,900	46.6	208.1	37,200				155
160	8.3	130.6	24,000*	21.8	163.9	29,400*	26.8	175.0	31,100*	33.5	188.2	34,200*	39.1	197.2	37,300	43.8	203.1	35,600				160
165				15.8	148.8	27,800*	22.1	163.8	29,500*	29.8	180.0	32,300*	35.9	190.5	35,500*	41.0	197.5	34,100	45.4	201.8	32,500	165
170				4.1	118.7	23,800*	16.2	149.0	27,900*	25.7	170.3	30,700*	32.4	183.0	33,600*	37.9	191.3	32,700	42.6	196.5	31,100	170
175							5.5	121.6	25,100*	20.7	158.3	29,100*	28.6	174.4	31,800*	34.7	184.4	31,400	39.7	190.7	29,900	175
180										14.2	141.9	27,500*	24.3	164.1	30,200*	31.1	176.5	30,100	36.6	184.2	28,700	180
185													19.0	151.2	28,600*	27.1	167.4	28,900	33.2	176.9	27,500	185
190													11.4	132.1	27,000*	22.5	156.3	27,800	29.5	168.6	26,500	190
195																16.7	141.9	26,700	25.2	158.7	25,400	195
200																6.9	116.8	25,700	20.2	146.5	24,500	200
205																			13.4	129.4	23,500	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

100 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.7	264.1	92,900*																			55
60	72.8	262.6	90,000*																			60
65	70.9	260.9	87,000*																			65
70	69.0	259.0	84,200*																			70
75	67.0	257.0	80,900*	70.5	259.7	87,000*																75
80	65.1	254.7	73,800*	68.5	257.8	84,400*																80
85	63.1	252.2	67,700*	66.6	255.7	79,200*																85
90	61.0	249.5	62,400*	64.6	253.3	72,400*	66.7	254.9	76,500													90
95	59.0	246.6	57,800*	62.6	250.8	66,500*	64.7	252.6	71,100													95
100	56.8	243.4	53,700*	60.6	248.1	61,400*	62.7	250.1	66,400													100
105	54.7	239.9	50,000*	58.5	245.1	56,900*	60.7	247.4	61,700*													105
110	52.4	236.2	46,800*	56.4	241.8	52,900*	58.6	244.4	57,100*	62.2	247.4	54,600										110
115	50.1	232.1	43,800*	54.2	238.3	49,300*	56.5	241.1	53,100*	60.2	244.6	51,300										115
120	47.7	227.7	41,100*	51.9	234.5	46,100*	54.3	237.6	49,500*	58.1	241.5	48,300										120
125	45.2	222.8	38,700*	49.6	230.3	43,200*	52.0	233.8	46,300*	55.9	238.2	45,600										125
130	42.6	217.6	36,500*	47.2	225.8	40,600*	49.7	229.7	43,400*	53.7	234.6	43,100	57.4	237.7	40,100							130
135	39.9	211.8	34,400*	44.7	220.9	38,200*	47.3	225.2	40,700*	51.4	230.7	40,800	55.2	234.3	37,900							135
140	37.0	205.4	32,500*	42.0	215.5	36,000*	44.8	220.3	38,300*	49.1	226.5	38,700	53.0	230.7	35,900							140
145	33.9	198.2	30,800*	39.3	209.6	34,000*	42.2	214.9	36,100*	46.7	221.9	36,700	50.7	226.7	34,000							145
150	30.4	190.1	29,200*	36.3	203.0	32,200*	39.4	209.1	34,100*	44.1	216.9	34,900	48.4	222.3	32,300	52.2	225.7	29,800				150
155	26.6	180.7	27,700*	33.1	195.7	30,400*	36.5	202.5	32,300*	41.5	211.4	33,200	45.9	217.6	30,700	49.9	221.6	28,300				155
160	22.2	169.5	26,300*	29.6	187.3	28,800*	33.3	195.2	30,500*	38.7	205.4	31,600	43.3	212.5	29,200	47.5	217.2	26,900				160
165	16.7	155.0	24,700*	25.7	177.6	27,400*	29.8	187.0	28,900*	35.7	198.7	30,100	40.6	206.8	27,800	45.0	212.3	25,500				165
170	8.1	131.3	21,200*	21.1	165.8	26,000*	26.0	177.3	27,500*	32.4	191.1	28,700	37.8	200.6	26,500	42.4	207.0	24,300	46.4	210.9	22,200	170
175				15.2	150.1	24,600*	21.4	165.7	26,100*	28.9	182.5	27,400	34.7	193.7	25,200	39.6	201.1	23,100	43.9	205.9	21,100	175
180				3.9	119.0	21,100*	15.6	150.3	24,700*	24.8	172.4	26,100	31.4	185.8	24,000	36.7	194.7	22,000	41.2	200.3	20,000	180
185							5.3	122.0	22,300*	20.0	160.1	24,900	27.7	176.8	22,900	33.5	187.4	21,000	38.4	194.2	19,000	185
190										13.7	143.1	23,700	23.5	166.2	21,800	30.1	179.2	20,000	35.4	187.4	18,100	190
195													18.3	152.8	20,800	26.2	169.7	19,000	32.1	179.8	17,200	195
200													11.1	133.1	19,800	21.8	158.2	18,100	28.5	171.1	16,400	200
205																16.1	143.3	17,200	24.4	160.9	15,500	205
210																6.6	117.3	16,300	19.5	148.2	14,800	210
215																			12.9	130.5	14,000	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

100 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.6	274.5	86,200*																			55
60	73.8	273.1	83,500*																			60
65	72.1	271.5	80,900*																			65
70	70.3	269.7	78,300*																			70
75	68.5	267.8	75,800*																			75
80	66.6	265.7	73,100*	69.9	268.5	78,300*																80
85	64.8	263.4	68,100*	68.1	266.5	75,900*																85
90	62.9	260.9	62,700*	66.2	264.4	72,900*																90
95	61.0	258.2	58,000*	64.4	262.0	66,900*	66.3	263.6	70,700													95
100	59.0	255.2	53,800*	62.5	259.5	61,700*	64.5	261.3	66,000													100
105	57.0	252.1	50,100*	60.5	256.7	57,100*	62.6	258.8	61,700													105
110	55.0	248.6	46,800*	58.6	253.7	53,000*	60.7	256.0	57,300*													110
115	52.9	244.9	43,800*	56.6	250.5	49,400*	58.7	253.1	53,200*	62.1	256.0	50,900										115
120	50.7	240.9	41,100*	54.5	247.0	46,100*	56.7	249.8	49,600*	60.1	253.2	47,900										120
125	48.5	236.6	38,600*	52.4	243.3	43,200*	54.6	246.4	46,300*	58.2	250.2	45,200										125
130	46.2	231.9	36,400*	50.2	239.2	40,600*	52.5	242.6	43,400*	56.2	246.9	42,700										130
135	43.8	226.9	34,300*	48.0	234.8	38,100*	50.4	238.6	40,700*	54.1	243.4	40,400	57.6	246.4	37,500							135
140	41.3	221.3	32,400*	45.7	230.0	35,900*	48.1	234.2	38,300*	52.0	239.5	38,300	55.5	243.1	35,500							140
145	38.6	215.3	30,600*	43.2	224.9	33,900*	45.8	229.5	36,100*	49.8	235.4	36,300	53.5	239.4	33,700							145
150	35.8	208.6	29,000*	40.7	219.2	32,000*	43.4	224.3	34,000*	47.5	230.9	34,500	51.3	235.5	31,900							150
155	32.8	201.1	27,500*	38.0	213.0	30,300*	40.9	218.7	32,100*	45.2	226.1	32,800	49.1	231.3	30,300	52.7	234.5	27,900				155
160	29.5	192.7	26,100*	35.2	206.2	28,700*	38.2	212.5	30,400*	42.7	220.8	31,200	46.8	226.7	28,800	50.5	230.5	26,500				160
165	25.8	183.0	24,800*	32.1	198.5	27,200*	35.3	205.7	28,800*	40.2	215.1	29,800	44.4	221.7	27,400	48.3	226.2	25,200				165
170	21.5	171.4	23,500*	28.7	189.9	25,800*	32.3	198.1	27,300*	37.4	208.8	28,400	42.0	216.3	26,100	46.0	221.4	23,900				170
175	16.2	156.4	22,000*	24.9	179.8	24,500*	28.9	189.5	25,900*	34.6	201.8	27,000	39.4	210.4	24,900	43.6	216.3	22,800	47.3	220.0	20,700	175
180	7.8	132.0	18,900*	20.5	167.6	23,200*	25.2	179.6	24,600*	31.4	193.9	25,800	36.6	203.9	23,700	41.0	210.7	21,700	45.0	215.1	19,700	180
185				14.8	151.4	22,000*	20.7	167.5	23,300*	28.0	185.0	24,600	33.6	196.7	22,600	38.4	204.6	20,600	42.5	209.8	18,700	185
190				3.8	119.2	18,800*	15.1	151.6	22,000*	24.1	174.6	23,500	30.4	188.6	21,600	35.5	197.9	19,600	39.9	204.0	17,800	190
195							5.1	122.4	19,900*	19.4	161.8	22,400	26.8	179.2	20,600	32.5	190.3	18,700	37.2	197.6	16,900	195
200										13.3	144.2	21,400	22.7	168.2	19,600	29.2	181.8	17,800	34.3	190.5	16,000	200
205													17.8	154.3	18,700	25.4	172.0	16,900	31.1	182.6	15,200	205
210													10.7	134.0	17,800	21.1	160.1	16,100	27.6	173.6	14,500	210
215																15.6	144.6	15,300	23.7	162.9	13,700	215
220																6.4	117.8	14,500	18.9	149.8	13,000	220
225																			12.5	131.6	12,300	225

MANITOWOC ENGINEERING CO.

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

100 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.7	283.5	78,400*																			60
65	73.1	282.0	76,000*																			65
70	71.4	280.3	73,700*																			70
75	69.7	278.5	71,200*																			75
80	68.0	276.6	68,200*	71.0	279.1	73,500*																80
85	66.3	274.4	65,300*	69.3	277.3	70,800*																85
90	64.5	272.1	62,200*	67.6	275.3	68,000*																90
95	62.7	269.6	57,500*	65.9	273.1	65,200*	67.7	274.5	67,800*													95
100	60.9	266.8	53,300*	64.1	270.7	61,100*	66.0	272.4	65,200*													100
105	59.1	263.9	49,600*	62.3	268.2	56,500*	64.2	270.0	61,100*													105
110	57.2	260.7	46,300*	60.5	265.4	52,500*	62.4	267.4	56,800*													110
115	55.3	257.3	43,300*	58.7	262.4	48,800*	60.6	264.7	52,700*													115
120	53.3	253.7	40,600*	56.8	259.2	45,600*	58.8	261.7	49,100*	62.0	264.7	47,300										120
125	51.3	249.8	38,100*	54.8	255.7	42,700*	56.9	258.5	45,800*	60.1	261.9	44,600										125
130	49.2	245.6	35,800*	52.9	252.0	40,000*	54.9	255.1	42,800*	58.3	258.9	42,100										130
135	47.0	241.0	33,800*	50.8	248.0	37,600*	53.0	251.4	40,200*	56.4	255.6	39,800										135
140	44.8	236.1	31,900*	48.7	243.8	35,400*	50.9	247.4	37,700*	54.4	252.1	37,700	57.7	255.1	34,800							140
145	42.5	230.8	30,100*	46.6	239.1	33,400*	48.8	243.1	35,500*	52.4	248.3	35,700	55.8	251.8	33,000							145
150	40.1	225.0	28,500*	44.3	234.1	31,500*	46.7	238.5	33,500*	50.4	244.3	33,900	53.8	248.2	31,300							150
155	37.5	218.7	27,000*	42.0	228.7	29,800*	44.4	233.6	31,600*	48.3	239.9	32,200	51.8	244.3	29,700							155
160	34.8	211.7	25,500*	39.5	222.8	28,100*	42.1	228.2	29,900*	46.1	235.2	30,600	49.8	240.2	28,200							160
165	31.8	204.0	24,200*	36.9	216.4	26,700*	39.6	222.3	28,200*	43.8	230.1	29,200	47.6	235.7	26,800	51.1	239.4	24,500				165
170	28.6	195.3	23,000*	34.1	209.3	25,300*	37.1	215.9	26,700*	41.5	224.6	27,800	45.4	230.9	25,500	49.0	235.1	23,200				170
175	25.1	185.2	21,800*	31.1	201.3	24,000*	34.3	208.8	25,300*	39.0	218.6	26,500	43.1	225.7	24,200	46.8	230.5	22,100				175
180	20.9	173.2	20,700*	27.9	192.4	22,700*	31.3	200.9	24,000*	36.3	212.1	25,200	40.7	220.1	23,100	44.6	225.6	21,000				180
185	15.7	157.7	19,400*	24.2	181.9	21,600*	28.1	192.0	22,800*	33.5	204.8	24,100	38.2	213.9	22,000	42.3	220.2	20,000	45.9	224.2	18,000	185
190	7.6	132.6	16,500*	19.9	169.3	20,500*	24.4	181.7	21,700*	30.5	196.7	23,000	35.5	207.1	20,900	39.8	214.4	19,000	43.6	219.1	17,100	190
195				14.3	152.6	19,400*	20.1	169.3	20,500*	27.2	187.4	21,900	32.6	199.6	20,000	37.2	208.0	18,000	41.2	213.6	16,200	195
200				3.7	119.5	16,500*	14.7	152.9	19,400*	23.4	176.6	20,900	29.5	191.2	19,000	34.5	201.0	17,200	38.7	207.5	15,400	200
205							5.0	122.8	17,500*	18.9	163.4	19,900	26.1	181.5	18,100	31.5	193.2	16,300	36.1	200.9	14,600	205
210										12.9	145.3	19,000	22.1	170.1	17,300	28.3	184.3	15,500	33.3	193.5	13,800	210
215													17.3	155.8	16,400	24.7	174.1	14,700	30.2	185.3	13,100	215
220													10.4	134.9	15,600	20.5	161.9	14,000	26.8	175.9	12,400	220
225																15.2	145.9	13,300	23.0	165.0	11,700	225
230																6.2	118.3	12,500	18.4	151.4	11,100	230
235																			12.2	132.6	10,400	235

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360 DEGREE RATING

100 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.6	293.8	73,200*																			60
65	74.0	292.4	71,500*																			65
70	72.4	290.9	69,100*																			70
75	70.8	289.2	66,500*																			75
80	69.2	287.3	63,900*																			80
85	67.6	285.3	61,200*	70.5	288.0	66,100*																85
90	66.0	283.1	58,500*	68.9	286.1	63,600*																90
95	64.3	280.8	55,900*	67.2	284.0	61,000*																95
100	62.6	278.2	52,800*	65.6	281.8	58,400*	67.3	283.3	60,800*													100
105	60.9	275.5	49,100*	63.9	279.4	55,800*	65.7	281.1	58,400*													105
110	59.1	272.6	45,800*	62.2	276.8	52,000*	64.0	278.7	55,900*													110
115	57.3	269.4	42,800*	60.5	274.0	48,400*	62.3	276.1	52,200*													115
120	55.5	266.1	40,100*	58.7	271.1	45,100*	60.6	273.3	48,600*													120
125	53.7	262.5	37,600*	56.9	267.9	42,200*	58.8	270.4	45,300*	61.9	273.4	44,000										125
130	51.8	258.6	35,300*	55.1	264.5	39,500*	57.0	267.2	42,300*	60.1	270.5	41,500										130
135	49.8	254.5	33,300*	53.3	260.8	37,100*	55.2	263.8	39,700*	58.4	267.5	39,200										135
140	47.8	250.0	31,400*	51.3	256.9	34,900*	53.4	260.2	37,200*	56.6	264.3	37,100										140
145	45.7	245.2	29,600*	49.4	252.7	32,900*	51.4	256.2	35,000*	54.7	260.8	35,100	57.8	263.8	32,400							145
150	43.5	240.1	28,000*	47.3	248.2	31,000*	49.5	252.1	33,000*	52.9	257.1	33,300	56.0	260.5	30,700							150
155	41.3	234.6	26,500*	45.2	243.3	29,300*	47.5	247.6	31,100*	50.9	253.1	31,700	54.2	256.9	29,100							155
160	38.9	228.6	25,000*	43.1	238.1	27,600*	45.4	242.7	29,400*	49.0	248.9	30,100	52.3	253.1	27,600							160
165	36.4	222.0	23,700*	40.8	232.5	26,200*	43.2	237.5	27,700*	46.9	244.3	28,600	50.3	249.1	26,200							165
170	33.8	214.8	22,500*	38.4	226.3	24,800*	40.9	231.9	26,200*	44.8	239.4	27,200	48.3	244.7	24,900	51.6	248.2	22,600				170
175	31.0	206.8	21,300*	35.9	219.6	23,500*	38.5	225.8	24,900*	42.6	234.1	25,900	46.3	240.0	23,700	49.6	244.0	21,500				175
180	27.8	197.8	20,200*	33.2	212.3	22,200*	36.0	219.2	23,500*	40.3	228.3	24,700	44.1	235.0	22,500	47.6	239.5	20,400				180
185	24.4	187.4	19,200*	30.3	204.0	21,100*	33.3	211.8	22,300*	37.9	222.1	23,500	41.9	229.6	21,400	45.5	234.7	19,400				185
190	20.3	175.0	18,200*	27.1	194.8	20,000*	30.5	203.7	21,200*	35.3	215.3	22,400	39.6	223.7	20,400	43.3	229.6	18,400	46.7	233.3	16,500	190
195	15.3	159.1	17,000*	23.5	184.0	19,000*	27.3	194.5	20,100*	32.6	207.7	21,400	37.1	217.3	19,400	41.1	224.0	17,500	44.6	228.3	15,600	195
200	7.4	133.2	14,400*	19.3	171.0	18,000*	23.7	183.8	19,100*	29.7	199.3	20,400	34.5	210.2	18,500	38.7	217.9	16,600	42.4	223.0	14,800	200
205				13.9	153.8	17,000*	19.6	171.0	18,100*	26.4	189.8	19,500	31.7	202.5	17,600	36.2	211.3	15,800	40.1	217.2	14,000	205
210				3.5	119.8	14,400*	14.3	154.1	17,100*	22.7	178.6	18,600	28.7	193.7	16,800	33.5	204.0	15,000	37.7	210.9	13,200	210
215							4.8	123.2	15,400*	18.3	165.0	17,700	25.3	183.8	15,900	30.7	195.9	14,200	35.1	204.0	12,500	215
220										12.5	146.4	16,800*	21.5	172.0	15,200	27.5	186.8	13,500	32.3	196.4	11,800	220
225													16.8	157.3	14,400	24.0	176.3	12,800	29.4	187.9	11,200	225
230													10.1	135.7	13,700	19.9	163.6	12,100	26.1	178.3	10,600	230
235																14.7	147.2	11,400	22.3	166.9	10,000	235
240																6.0	118.8	10,800	17.9	153.0	9,400	240
245																			11.8	133.6	8,800	245

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

100 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.8	302.8	65,400*																			65
70	73.3	301.4	64,300*																			70
75	71.8	299.8	61,800*																			75
80	70.3	298.0	59,300*																			80
85	68.8	296.1	56,700*																			85
90	67.2	294.1	54,100*	70.0	296.8	58,900*																90
95	65.7	291.8	51,600*	68.4	294.9	56,400*																95
100	64.1	289.5	49,100*	66.9	292.8	53,900*																100
105	62.5	286.9	46,700*	65.3	290.5	51,400*	67.0	292.0	53,800*													105
110	60.8	284.2	44,300*	63.7	288.1	49,000*	65.4	289.8	51,400*													110
115	59.2	281.2	42,100*	62.1	285.5	46,600*	63.8	287.4	49,000*													115
120	57.5	278.1	39,500*	60.5	282.7	44,300*	62.2	284.8	46,700*													120
125	55.8	274.8	37,000*	58.8	279.7	41,600*	60.6	282.0	44,400*													125
130	54.0	271.2	34,800*	57.1	276.6	39,000*	58.9	279.0	41,800*	61.8	282.0	40,800										130
135	52.2	267.4	32,700*	55.4	273.2	36,500*	57.2	275.9	39,100*	60.1	279.2	38,600										135
140	50.4	263.3	30,800*	53.6	269.5	34,300*	55.5	272.5	36,700*	58.5	276.2	36,500										140
145	48.5	259.0	29,100*	51.8	265.7	32,300*	53.7	268.9	34,500*	56.7	273.0	34,500										145
150	46.5	254.3	27,400*	49.9	261.6	30,400*	51.9	265.1	32,400*	55.0	269.5	32,700	57.9	272.4	30,000							150
155	44.5	249.4	25,900*	48.0	257.2	28,700*	50.0	260.9	30,500*	53.2	265.9	31,000	56.2	269.1	28,400							155
160	42.4	244.0	24,500*	46.1	252.4	27,100*	48.1	256.6	28,800*	51.4	262.0	29,500	54.5	265.6	26,900							160
165	40.2	238.2	23,200*	44.0	247.4	25,600*	46.2	251.9	27,200*	49.5	257.8	28,000	52.7	261.9	25,500							165
170	37.9	232.0	21,900*	41.9	241.9	24,200*	44.1	246.8	25,700*	47.6	253.3	26,600	50.8	257.9	24,200							170
175	35.5	225.2	20,800*	39.7	236.1	22,900*	42.0	241.4	24,300*	45.6	248.5	25,300	49.0	253.6	23,000	52.0	257.0	20,800				175
180	32.9	217.7	19,700*	37.4	229.7	21,700*	39.8	235.6	23,000*	43.6	243.4	24,100	47.0	249.1	21,900	50.2	252.9	19,700				180
185	30.1	209.5	18,700*	34.9	222.8	20,600*	37.5	229.2	21,800*	41.5	237.9	22,900	45.0	244.2	20,800	48.3	248.5	18,700				185
190	27.1	200.2	17,700*	32.3	215.2	19,500*	35.1	222.3	20,600*	39.2	231.9	21,900	42.9	239.0	19,800	46.3	243.8	17,700				190
195	23.7	189.5	16,800*	29.5	206.7	18,500*	32.5	214.7	19,500*	36.9	225.4	20,800	40.8	233.3	18,800	44.3	238.8	16,800	47.4	242.3	14,900	195
200	19.8	176.7	15,900*	26.4	197.1	17,500*	29.7	206.3	18,500*	34.4	218.4	19,800	38.5	227.2	17,900	42.2	233.4	15,900	45.5	237.5	14,100	200
205	14.9	160.4	14,800*	22.9	186.0	16,600*	26.6	196.8	17,600*	31.8	210.6	18,900	36.1	220.5	17,000	40.0	227.6	15,100	43.4	232.3	13,300	205
210	7.2	133.8	12,400*	18.8	172.7	15,700*	23.1	185.8	16,700*	28.9	201.9	18,000	33.6	213.3	16,100	37.7	221.3	14,300	41.2	226.8	12,600	210
215				13.6	155.0	14,800*	19.1	172.6	15,800*	25.7	192.1	17,200	30.9	205.2	15,300	35.2	214.5	13,600	39.0	220.8	11,900	215
220				3.4	120.1	12,400*	13.9	155.4	14,900*	22.1	180.6	16,300	28.0	196.2	14,600	32.7	206.9	12,900	36.7	214.3	11,200	220
225							4.7	123.6	13,300*	17.9	166.6	15,500*	24.7	186.0	13,800	29.9	198.6	12,200	34.2	207.1	10,500	225
230										12.2	147.5	14,600*	20.9	173.8	13,100	26.8	189.2	11,500	31.5	199.3	9,900	230
235													16.4	158.7	12,400	23.4	178.3	10,900	28.6	190.5	9,300	235
240													9.8	136.6	11,800	19.4	165.3	10,200	25.4	180.5	8,800	240
245																14.4	148.4	9,600	21.8	168.9	8,200	245
250																5.9	119.3	9,000	17.4	154.5	7,600	250
255																			11.5	134.6	7,100	255

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

110 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	67.3	184.2	165,700*b																			40
45	62.7	181.8	154,500*b																			45
50	57.9	178.8	138,000*b	67.0	183.2	161,900*b																50
55	52.9	175.2	120,500*	62.5	180.7	151,700*b	67.8	182.6	161,500*b													55
60	47.5	170.9	106,700*	57.7	177.7	137,100*b	63.2	180.2	147,600b													60
65	41.5	165.6	95,600*	52.6	174.1	119,800*	58.5	177.3	133,200b													65
70	34.8	159.0	86,400*	47.2	169.7	106,200*	53.5	173.8	121,200	62.8	177.7	116,700b										70
75	26.4	150.2	78,700*	41.2	164.4	95,100*	48.1	169.6	108,200*	58.0	174.8	107,000b										75
80	13.9	135.7	72,100*	34.4	157.7	86,000*	42.2	164.4	96,800*	53.0	171.2	98,700										80
85				26.0	148.7	78,400*	35.6	158.0	87,400*	47.6	166.9	91,500	57.3	171.3	88,000b							85
90				13.0	133.7	71,800*	27.5	149.5	79,600*	41.7	161.6	85,200	52.3	167.6	81,900							90
95							15.8	136.2	72,900*	34.9	155.1	79,600	46.8	163.2	76,600							95
100										26.6	146.3	74,700	40.8	157.8	71,900	51.2	162.9	69,000				100
105										14.3	132.1	70,100	33.8	150.9	67,600	45.7	158.3	65,000				105
110													25.3	141.7	63,700	39.5	152.7	61,300				110
115													11.5	125.7	60,100	32.3	145.5	57,900	44.0	152.3	55,600	115
120																23.2	135.6	54,800	37.6	146.3	52,700	120
125																4.9	113.9	51,900	30.1	138.5	50,000	125
130																			20.0	127.3	47,500	130

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

110 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	70.2	195.0	160,400*b																			40
45	66.4	192.9	150,000*b																			45
50	62.4	190.4	138,900*b	70.1	194.0	156,900*b																50
55	58.2	187.5	121,200*	66.2	191.9	147,400*b																55
60	53.8	184.0	107,300*	62.2	189.4	138,000*b	66.8	191.3	147,100b													60
65	49.2	179.9	96,100*	58.0	186.4	120,500*	62.8	188.9	132,700b													65
70	44.2	175.0	86,800*	53.6	182.9	106,800*	58.7	186.0	120,800													70
75	38.7	169.1	79,000*	49.0	178.8	95,600*	54.3	182.6	108,800*	62.4	186.4	106,500b										75
80	32.4	161.9	72,400*	43.9	173.8	86,400*	49.7	178.5	97,300*	58.3	183.5	98,200										80
85	24.6	152.3	66,700*	38.4	167.9	78,700*	44.8	173.8	87,800*	53.9	180.0	91,000										85
90	13.0	136.8	61,700*	32.0	160.6	72,200*	39.3	168.0	79,900*	49.3	175.9	84,800	57.7	179.9	81,400							90
95				24.2	150.9	66,500*	33.1	161.0	73,200*	44.3	171.0	79,300	53.3	176.4	76,100							95
100				12.1	134.7	61,500*	25.6	151.7	67,400*	38.8	165.2	74,300	48.6	172.2	71,400							100
105							14.7	137.4	62,300*	32.5	158.0	69,900	43.6	167.2	67,200	52.4	171.8	64,400				105
110										24.8	148.5	65,900	38.0	161.2	63,300	47.6	167.4	60,800				110
115										13.3	133.2	61,900*	31.5	153.8	59,900	42.5	162.3	57,500				115
120													23.5	143.8	56,700	36.8	156.0	54,400	46.3	161.5	52,200	120
125													10.7	126.6	53,700	30.1	148.2	51,700	41.0	156.1	49,500	125
130																21.6	137.4	49,100	35.1	149.5	47,100	130
135																4.5	114.2	46,600	28.0	141.0	44,800	135
140																			18.6	128.9	42,700	140

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

110 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	73.9	206.2	159,300*b																			38
40	72.5	205.6	155,100*b																			40
45	69.1	203.8	145,500*b																			45
50	65.7	201.6	136,200*b																			50
55	62.1	199.1	121,700*	69.0	202.8	143,100*b																55
60	58.4	196.1	107,700*	65.5	200.6	135,000*b																60
65	54.6	192.7	96,400*	61.9	198.1	121,000*	66.1	200.1	132,300b													65
70	50.5	188.8	87,100*	58.2	195.1	107,200*	62.5	197.6	120,400													70
75	46.2	184.2	79,300*	54.4	191.6	96,000*	58.8	194.7	109,200*													75
80	41.5	178.8	72,600*	50.3	187.7	86,700*	55.0	191.3	97,600*	62.2	195.1	97,800										80
85	36.4	172.4	66,900*	46.0	183.1	78,900*	51.0	187.4	88,100*	58.5	192.1	90,600										85
90	30.4	164.6	61,900*	41.3	177.6	72,300*	46.7	182.9	80,100*	54.6	188.7	84,400										90
95	23.2	154.4	57,500*	36.1	171.2	66,600*	42.1	177.6	73,400*	50.6	184.8	78,900	57.9	188.6	75,700							95
100	12.2	137.8	53,500*	30.1	163.3	61,700*	37.0	171.4	67,500*	46.3	180.2	74,000	54.1	185.1	71,000							100
105				22.8	152.9	57,300*	31.1	163.8	62,400*	41.6	174.9	69,600	50.0	181.1	66,800							105
110				11.3	135.7	53,400*	24.1	153.9	58,000*	36.5	168.5	65,700	45.6	176.5	63,000							110
115							13.8	138.6	54,000*	30.6	160.7	62,000*	40.9	171.0	59,500	49.1	176.4	57,000				115
120										23.3	150.5	57,600*	35.7	164.5	56,400	44.7	171.6	54,000				120
125										12.5	134.2	53,700*	29.6	156.4	53,500	39.9	165.9	51,300	48.0	170.5	49,100	125
130													22.1	145.7	50,900	34.6	159.2	48,800	43.5	165.5	46,700	130
135													10.0	127.4	48,400	28.3	150.7	46,400	38.5	159.6	44,500	135
140																20.3	139.2	44,300	33.0	152.4	42,400	140
145																4.2	114.5	42,100	26.4	143.3	40,500	145
150																			17.5	130.4	38,600	150

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

110 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	75.5	216.6	153,400*																			38
40	74.3	216.1	149,600*																			40
45	71.3	214.5	140,700*																			45
50	68.3	212.5	132,600*																			50
55	65.1	210.3	121,900*																			55
60	61.9	207.7	107,800*	68.1	211.6	131,100*																60
65	58.6	204.8	96,400*	65.0	209.3	121,200*																65
70	55.1	201.4	87,000*	61.7	206.7	107,200*	65.5	208.8	120,000													70
75	51.5	197.6	79,200*	58.4	203.8	96,000*	62.3	206.2	109,300*													75
80	47.7	193.2	72,500*	54.9	200.4	86,700*	58.9	203.3	97,600*													80
85	43.6	188.2	66,700*	51.3	196.5	78,900*	55.5	200.0	88,100*	62.0	203.7	90,100										85
90	39.3	182.4	61,700*	47.5	192.1	72,200*	51.9	196.2	80,100*	58.6	200.8	83,900										90
95	34.4	175.6	57,300*	43.4	187.1	66,500*	48.1	191.9	73,200*	55.2	197.4	78,400										95
100	28.8	167.2	53,400*	39.0	181.2	61,500*	44.1	187.0	67,400*	51.6	193.6	73,500										100
105	21.9	156.3	49,900*	34.1	174.3	57,100*	39.8	181.3	62,300*	47.8	189.3	69,200	54.7	193.9	66,200							105
110	11.5	138.8	46,700*	28.5	165.8	53,200*	35.0	174.6	57,800*	43.7	184.3	65,200	51.1	190.0	62,400							110
115				21.5	154.8	49,800*	29.5	166.4	53,900*	39.3	178.5	61,700	47.2	185.6	59,000							115
120				10.7	136.6	46,600*	22.8	155.9	50,300*	34.5	171.6	57,500*	43.1	180.5	55,900	50.3	185.3	53,500				120
125							13.1	139.7	47,100*	28.9	163.3	53,500*	38.7	174.5	53,100	46.4	180.7	50,800				125
130										22.1	152.5	50,000*	33.8	167.5	50,500	42.3	175.5	48,300				130
135										11.8	135.2	46,900*	28.1	158.9	48,100	37.8	169.4	46,000	45.3	174.8	43,900	135
140													20.9	147.6	45,800	32.7	162.1	43,800	41.1	169.3	41,900	140
145													9.4	128.2	43,700	26.8	153.1	41,800	36.4	162.9	40,000	145
150																19.2	140.9	40,000	31.2	155.2	38,200	150
155																3.9	114.8	38,100	24.9	145.5	36,500	155
160																			16.6	131.8	34,900	160

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

110 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	75.8	226.5	142,000*																			40
45	73.1	225.0	135,000*																			45
50	70.3	223.3	127,600*																			50
55	67.5	221.3	120,500*																			55
60	64.7	219.0	111,000*	70.2	222.3	126,200*																60
65	61.7	216.4	99,200*	67.4	220.3	119,900*																65
70	58.7	213.5	89,500*	64.5	218.0	110,400*	67.8	219.7	119,500													70
75	55.6	210.1	81,300*	61.6	215.4	98,700*	65.0	217.4	109,500													75
80	52.3	206.4	74,400*	58.5	212.4	89,100*	62.1	214.9	100,400*													80
85	48.9	202.2	68,500*	55.4	209.1	81,000*	59.0	212.0	90,500*													85
90	45.3	197.5	63,300*	52.2	205.3	74,100*	55.9	208.7	82,200*	61.8	212.4	83,400										90
95	41.5	192.0	58,800*	48.8	201.1	68,200*	52.7	205.0	75,200*	58.8	209.5	77,900										95
100	37.3	185.8	54,700*	45.1	196.3	63,100*	49.3	200.9	69,100*	55.6	206.2	73,000										100
105	32.7	178.5	51,200*	41.3	190.9	58,600*	45.7	196.2	63,900*	52.4	202.4	68,700										105
110	27.4	169.6	47,900*	37.1	184.6	54,600*	41.9	190.9	59,300*	49.0	198.2	64,800	55.2	202.6	61,900							110
115	20.9	158.1	45,000*	32.5	177.2	51,000*	37.8	184.7	55,200*	45.4	193.5	61,200	51.9	198.8	58,600							115
120	10.9	139.7	39,900*	27.1	168.2	47,800*	33.3	177.6	51,600*	41.6	188.1	58,000	48.5	194.6	55,500							120
125				20.5	156.5	44,900*	28.0	168.9	48,300*	37.4	181.9	54,900*	44.9	189.7	52,600	51.3	194.2	50,300				125
130				10.2	137.4	41,300*	21.7	157.8	45,400*	32.8	174.6	51,300*	41.0	184.2	50,000	47.8	189.8	47,800				130
135							12.4	140.8	42,700*	27.5	165.7	48,100*	36.8	177.9	47,700	44.1	184.8	45,500				135
140										21.0	154.3	45,100*	32.1	170.4	45,400	40.2	179.2	43,400	46.8	183.9	41,400	140
145										11.2	136.2	42,500*	26.7	161.3	43,400	35.9	172.6	41,400	43.1	178.7	39,500	145
150													19.9	149.3	41,400	31.1	164.9	39,600	39.1	172.9	37,700	150
155													9.0	128.9	39,600	25.5	155.3	37,900	34.7	166.0	36,100	155
160																18.3	142.5	36,200	29.7	157.9	34,600	160
165																3.7	115.0	34,600	23.7	147.6	33,100	165
170																			15.8	133.2	31,700	170

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

110 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.5	235.4	126,800*																			45
50	72.0	233.9	121,900*																			50
55	69.5	232.1	117,100*																			55
60	66.9	230.0	109,900*																			60
65	64.3	227.7	98,900*	69.4	231.1	116,300*																65
70	61.6	225.1	89,100*	66.8	229.0	110,100*																70
75	58.8	222.1	81,000*	64.1	226.7	98,400*	67.2	228.4	109,000													75
80	56.0	218.8	74,100*	61.4	224.0	88,700*	64.6	226.1	100,100*													80
85	53.0	215.2	68,100*	58.7	221.1	80,700*	61.9	223.5	90,200*													85
90	49.9	211.1	62,900*	55.8	217.8	73,800*	59.1	220.6	81,900*													90
95	46.7	206.6	58,400*	52.9	214.1	67,900*	56.3	217.4	74,800*	61.6	221.1	77,400										95
100	43.3	201.5	54,300*	49.8	210.0	62,700*	53.3	213.8	68,800*	58.9	218.1	72,500										100
105	39.6	195.7	50,700*	46.5	205.5	58,200*	50.3	209.8	63,500*	56.0	214.9	68,200										105
110	35.7	189.0	47,500*	43.1	200.3	54,200*	47.1	205.3	58,900*	53.1	211.2	64,300										110
115	31.3	181.3	44,600*	39.4	194.5	50,600*	43.7	200.2	54,800*	50.0	207.1	60,800	55.6	211.3	58,000							115
120	26.2	171.9	42,000*	35.5	187.8	47,400*	40.0	194.5	51,200*	46.8	202.6	57,500	52.6	207.6	54,900							120
125	19.9	159.8	39,600*	31.0	180.0	44,500*	36.1	188.0	47,900*	43.3	197.5	54,500*	49.5	203.5	52,100							125
130	10.4	140.6	35,100*	25.9	170.5	41,900*	31.8	180.4	45,000*	39.7	191.7	50,900*	46.3	198.9	49,500	52.0	203.0	47,200				130
135				19.6	158.2	39,500*	26.8	171.3	42,300*	35.7	185.1	47,700*	42.8	193.7	47,200	48.9	198.8	44,900				135
140				9.7	138.2	36,400*	20.7	159.6	39,900*	31.3	177.4	44,700*	39.2	187.8	45,000	45.6	194.0	42,800				140
145							11.9	141.8	37,600*	26.3	168.1	42,100*	35.2	181.1	42,900	42.1	188.7	40,900	48.0	192.9	38,900	145
150										20.1	156.0	39,700*	30.7	173.2	41,000	38.4	182.7	39,100	44.7	188.0	37,200	150
155										10.7	137.1	37,400*	25.5	163.5	39,300	34.3	175.7	37,400	41.1	182.5	35,600	155
160													19.0	151.0	37,600	29.7	167.5	35,800	37.3	176.3	34,000	160
165													8.6	129.6	35,900	24.4	157.5	34,300	33.1	169.0	32,600	165
170																17.5	144.0	32,900	28.4	160.4	31,300	170
175																3.5	115.3	31,400	22.7	149.6	30,000	175
180																			15.0	134.5	28,800	180

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

110 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.8	245.8	117,400*																			45
50	73.5	244.4	113,100*																			50
55	71.1	242.7	108,900*																			55
60	68.8	240.9	104,900*																			60
65	66.4	238.7	99,700*	71.0	241.8	109,800*																65
70	64.0	236.4	89,800*	68.7	239.9	106,100*																70
75	61.5	233.7	81,500*	66.3	237.7	99,200*																75
80	58.9	230.8	74,400*	63.8	235.4	89,400*	66.7	237.2	100,100													80
85	56.3	227.5	68,400*	61.3	232.7	81,100*	64.2	234.8	90,900*													85
90	53.6	224.0	63,100*	58.8	229.8	74,200*	61.7	232.2	82,400*													90
95	50.8	220.0	58,500*	56.1	226.5	68,200*	59.2	229.3	75,200*													95
100	47.8	215.6	54,500*	53.4	222.9	62,900*	56.6	226.1	69,100*	61.5	229.7	72,300										100
105	44.7	210.7	50,800*	50.6	218.9	58,400*	53.9	222.6	63,800*	58.9	226.8	67,900										105
110	41.5	205.3	47,600*	47.7	214.5	54,300*	51.1	218.6	59,100*	56.3	223.6	64,000										110
115	38.0	199.1	44,700*	44.6	209.6	50,700*	48.2	214.3	55,000*	53.6	220.0	60,500										115
120	34.2	192.1	42,000*	41.3	204.1	47,500*	45.1	209.5	51,300*	50.8	216.0	57,300	56.0	220.0	54,700							120
125	30.0	184.0	39,600*	37.8	197.9	44,600*	41.9	204.1	48,000*	47.9	211.6	54,400	53.2	216.4	51,900							125
130	25.1	174.2	37,400*	34.0	190.9	41,900*	38.4	198.0	45,000*	44.8	206.8	51,000*	50.4	212.4	49,300							130
135	19.1	161.5	35,300*	29.8	182.7	39,500*	34.6	191.1	42,300*	41.5	201.3	47,700*	47.5	207.9	46,900	52.7	211.8	44,700				135
140	10.0	141.4	31,300*	24.9	172.7	37,300*	30.5	183.1	39,900*	38.1	195.2	44,800*	44.4	203.0	44,800	49.8	207.7	42,600				140
145				18.8	159.9	35,200*	25.7	173.5	37,600*	34.3	188.2	42,100*	41.1	197.5	42,700	46.8	203.1	40,700				145
150				9.3	139.0	32,600*	19.9	161.3	35,600*	30.1	180.1	39,700*	37.5	191.2	40,800	43.7	198.1	38,900				150
155							11.4	142.7	33,700*	25.2	170.3	37,500*	33.7	184.1	39,100	40.4	192.4	37,200	46.0	197.2	35,300	155
160										19.2	157.7	35,400*	29.4	175.8	37,400	36.8	186.0	35,600	42.8	192.0	33,800	160
165										10.2	137.9	33,500*	24.5	165.7	35,900	32.9	178.7	34,100	39.4	186.1	32,400	165
170													18.3	152.5	34,400	28.5	170.1	32,700	35.8	179.5	31,100	170
175													8.2	130.3	33,000	23.4	159.5	31,400	31.8	171.9	29,800	175
180																16.8	145.4	30,200	27.2	162.8	28,600	180
185																3.4	115.5	28,900	21.8	151.5	27,500	185
190																			14.4	135.7	26,400	190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

110 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.7	254.8	105,800*																			50
55	72.5	253.3	102,100*																			55
60	70.4	251.6	98,500*																			60
65	68.2	249.6	95,000*																			65
70	65.9	247.5	89,400*	70.3	250.6	99,300*																70
75	63.7	245.0	81,100*	68.1	248.6	96,100*																75
80	61.4	242.4	74,000*	65.8	246.5	89,000*																80
85	59.0	239.5	68,000*	63.6	244.0	80,700*	66.2	245.9	90,500*													85
90	56.5	236.2	62,700*	61.2	241.4	73,700*	63.9	243.5	82,000*													90
95	54.0	232.7	58,100*	58.9	238.4	67,700*	61.6	240.9	74,800*													95
100	51.5	228.8	54,000*	56.4	235.2	62,500*	59.2	238.0	68,700*													100
105	48.8	224.6	50,400*	53.9	231.6	57,900*	56.8	234.8	63,300*	61.4	238.4	67,400										105
110	46.0	219.9	47,100*	51.3	227.7	53,900*	54.3	231.3	58,600*	59.0	235.5	63,500										110
115	43.0	214.7	44,200*	48.6	223.5	50,200*	51.7	227.5	54,500*	56.6	232.2	60,000										115
120	39.9	208.9	41,500*	45.8	218.8	47,000*	49.1	223.2	50,800*	54.1	228.7	56,800										120
125	36.5	202.5	39,100*	42.9	213.5	44,100*	46.3	218.6	47,500*	51.5	224.8	53,900	56.2	228.7	51,300							125
130	32.9	195.1	36,900*	39.7	207.7	41,400*	43.3	213.5	44,600*	48.8	220.6	50,500*	53.7	225.1	48,800							130
135	28.8	186.6	34,900*	36.4	201.2	39,000*	40.2	207.8	41,900*	46.0	215.9	47,300*	51.1	221.2	46,400							135
140	24.2	176.3	33,000*	32.7	193.8	36,800*	36.9	201.4	39,400*	43.1	210.7	44,300*	48.4	216.9	44,300							140
145	18.4	163.1	31,200*	28.6	185.2	34,800*	33.3	194.1	37,200*	39.9	205.0	41,700*	45.6	212.2	42,200	50.6	216.5	40,100				145
150	9.6	142.2	27,700*	23.9	174.8	32,900*	29.3	185.8	35,100*	36.6	198.5	39,200*	42.6	206.9	40,400	47.9	212.2	38,300				150
155				18.1	161.4	31,200*	24.7	175.7	33,200*	33.0	191.2	37,000*	39.5	201.1	38,600	45.0	207.3	36,700				155
160				8.9	139.8	28,900*	19.1	163.0	31,500*	28.9	182.7	35,000*	36.1	194.5	37,000	42.0	202.0	35,100	47.1	206.3	33,300	160
165							11.0	143.7	29,800*	24.3	172.4	33,100*	32.4	187.0	35,400	38.8	196.0	33,600	44.2	201.3	31,900	165
170										18.5	159.3	31,300*	28.3	178.3	34,000	35.4	189.2	32,300	41.2	195.8	30,500	170
175										9.8	138.7	29,700*	23.6	167.8	32,600	31.7	181.5	31,000	37.9	189.6	29,300	175
180													17.6	154.1	31,100*	27.4	172.5	29,700	34.4	182.6	28,100	180
185													7.9	130.9	29,500*	22.5	161.5	28,600	30.6	174.6	27,000	185
190																16.1	146.8	27,400	26.2	165.1	26,000	190
195																3.2	115.7	26,300	20.9	153.4	25,000	195
200																			13.9	136.9	24,000	200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

110 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.7	265.2	100,700*																			50
55	73.7	263.8	97,600*																			55
60	71.7	262.2	94,500*																			60
65	69.7	260.4	91,400*																			65
70	67.6	258.4	88,500*																			70
75	65.6	256.2	81,900*	69.6	259.4	92,200*																75
80	63.4	253.7	74,800*	67.5	257.4	89,500*																80
85	61.3	251.0	68,600*	65.5	255.2	81,600*	67.9	256.8	82,200													85
90	59.1	248.1	63,300*	63.3	252.7	74,500*	65.8	254.6	76,200													90
95	56.8	244.9	58,600*	61.2	250.0	68,400*	63.7	252.2	70,900													95
100	54.5	241.4	54,500*	58.9	247.1	63,100*	61.5	249.5	66,200													100
105	52.1	237.6	50,800*	56.7	243.9	58,400*	59.3	246.6	61,900													105
110	49.6	233.5	47,500*	54.3	240.4	54,300*	57.0	243.5	58,100	61.3	247.0	54,100										110
115	47.0	229.0	44,500*	51.9	236.6	50,600*	54.7	240.0	54,700	59.1	244.1	50,900										115
120	44.3	224.0	41,800*	49.5	232.4	47,400*	52.3	236.3	51,200*	56.8	240.9	47,900										120
125	41.5	218.5	39,400*	46.9	227.8	44,400*	49.9	232.1	47,900*	54.5	237.4	45,200										125
130	38.5	212.4	37,100*	44.2	222.8	41,700*	47.3	227.7	44,900*	52.1	233.7	42,800	56.5	237.4	39,500							130
135	35.2	205.6	35,100*	41.3	217.3	39,300*	44.6	222.7	42,200*	49.6	229.5	40,500	54.2	233.9	37,400							135
140	31.7	197.9	33,200*	38.3	211.2	37,100*	41.8	217.3	39,700*	47.0	225.0	38,400	51.8	230.0	35,400							140
145	27.8	189.0	31,400*	35.1	204.4	35,000*	38.8	211.3	37,400*	44.4	220.0	36,500	49.3	225.9	33,600							145
150	23.3	178.4	29,800*	31.6	196.7	33,100*	35.6	204.6	35,300*	41.5	214.6	34,700	46.7	221.3	31,900	51.3	225.4	29,200				150
155	17.8	164.6	27,500*	27.6	187.7	31,400*	32.1	197.0	33,400*	38.5	208.5	33,000	44.0	216.2	30,300	48.8	221.1	27,700				155
160	9.3	143.0	23,700*	23.1	176.9	29,700*	28.3	188.3	31,600*	35.3	201.7	31,400	41.1	210.7	28,800	46.1	216.4	26,300				160
165				17.4	163.0	28,200*	23.9	177.8	30,000*	31.8	194.0	29,900	38.1	204.5	27,400	43.4	211.3	25,000				165
170				8.6	140.5	24,800*	18.5	164.6	28,500*	27.9	185.2	28,600	34.8	197.7	26,100	40.5	205.7	23,800	45.4	210.5	21,500	170
175							10.6	144.5	26,400*	23.4	174.5	27,200	31.3	189.8	24,900	37.5	199.4	22,600	42.6	205.2	20,400	175
180										17.9	160.9	26,000	27.3	180.7	23,700	34.2	192.3	21,500	39.7	199.4	19,400	180
185										9.5	139.5	24,700	22.7	169.8	22,600	30.5	184.3	20,500	36.6	192.9	18,400	185
190													17.0	155.5	21,600	26.5	174.9	19,500	33.2	185.6	17,500	190
195													7.6	131.6	20,500	21.7	163.4	18,600	29.5	177.2	16,700	195
200																15.6	148.2	17,700	25.2	167.4	15,800	200
205																3.1	115.9	16,700	20.2	155.1	15,000	205
210																			13.4	138.0	14,200	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

110 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.8	274.2	91,400*																			55
60	72.9	272.7	88,600*																			60
65	71.0	271.0	85,900*																			65
70	69.1	269.2	83,100*																			70
75	67.2	267.1	80,500*	70.9	270.1	86,300*																75
80	65.2	264.9	74,200*	69.0	268.2	83,800*																80
85	63.2	262.4	68,100*	67.1	266.1	81,100*																85
90	61.2	259.7	62,800*	65.1	263.9	74,000*	67.4	265.5	75,600													90
95	59.1	256.8	58,100*	63.1	261.4	67,900*	65.4	263.3	70,300													95
100	57.0	253.6	53,900*	61.1	258.7	62,500*	63.4	260.9	65,500													100
105	54.8	250.2	50,300*	59.0	255.7	57,900*	61.4	258.2	61,300													105
110	52.6	246.4	47,000*	56.9	252.6	53,800*	59.3	255.3	57,500													110
115	50.3	242.4	44,000*	54.7	249.1	50,100*	57.2	252.2	54,100	61.2	255.7	50,200										115
120	47.9	238.0	41,300*	52.5	245.4	46,800*	55.1	248.7	50,700*	59.1	252.8	47,300										120
125	45.4	233.2	38,800*	50.2	241.3	43,900*	52.8	245.0	47,400*	57.0	249.6	44,600										125
130	42.8	227.9	36,600*	47.8	236.9	41,200*	50.5	241.0	44,300*	54.9	246.2	42,100										130
135	40.1	222.2	34,500*	45.3	232.0	38,800*	48.2	236.7	41,600*	52.6	242.4	39,900	56.7	246.1	36,700							135
140	37.2	215.8	32,700*	42.7	226.8	36,500*	45.7	231.9	39,100*	50.3	238.4	37,800	54.5	242.6	34,700							140
145	34.1	208.7	30,900*	39.9	221.0	34,500*	43.1	226.7	36,900*	47.9	234.0	35,900	52.3	238.8	32,900							145
150	30.7	200.7	29,300*	37.0	214.6	32,600*	40.4	221.0	34,800*	45.5	229.2	34,100	50.0	234.7	31,200							150
155	26.9	191.4	27,800*	33.9	207.5	30,800*	37.5	214.7	32,900*	42.9	224.0	32,400	47.6	230.3	29,600	51.8	234.2	26,900				155
160	22.6	180.3	26,300*	30.5	199.4	29,200*	34.4	207.7	31,100*	40.1	218.2	30,800	45.1	225.5	28,200	49.5	230.0	25,600				160
165	17.2	166.1	24,300*	26.7	190.0	27,700*	31.1	199.8	29,500*	37.2	211.9	29,400	42.5	220.2	26,800	47.1	225.5	24,300				165
170	9.0	143.8	20,900*	22.3	178.8	26,300*	27.4	190.7	28,000*	34.1	204.8	28,000	39.7	214.3	25,500	44.6	220.6	23,100				170
175				16.9	164.4	25,000*	23.1	179.9	26,500*	30.8	196.8	26,700	36.8	207.9	24,300	42.0	215.2	21,900	46.4	219.6	19,700	175
180				8.3	141.2	22,000*	17.8	166.1	25,200*	27.0	187.5	25,400	33.7	200.7	23,100	39.2	209.2	20,900	43.9	214.5	18,700	180
185							10.2	145.4	23,400*	22.6	176.5	24,300	30.3	192.5	22,000	36.2	202.7	19,800	41.2	209.0	17,700	185
190										17.3	162.4	23,100	26.4	183.1	21,000	33.0	195.3	18,900	38.4	202.9	16,800	190
195										9.2	140.3	22,000	22.0	171.7	20,000	29.5	186.9	18,000	35.4	196.1	16,000	195
200													16.4	157.0	19,000	25.6	177.1	17,100	32.1	188.5	15,200	200
205													7.3	132.2	18,100	21.0	165.3	16,200	28.5	179.8	14,400	205
210																15.0	149.5	15,400	24.4	169.5	13,600	210
215																3.0	116.2	14,500	19.5	156.8	12,900	215
220																			12.9	139.1	12,200	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

110 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.7	284.6	84,700*																			55
60	73.9	283.2	82,200*																			60
65	72.2	281.6	79,700*																			65
70	70.4	279.9	77,300*																			70
75	68.6	277.9	74,900*																			75
80	66.8	275.8	72,500*	70.3	278.9	77,700*																80
85	64.9	273.6	68,500*	68.5	277.0	75,500*																85
90	63.0	271.1	63,100*	66.7	274.9	73,000*																90
95	61.1	268.4	58,300*	64.8	272.6	68,300*	67.0	274.3	69,800													95
100	59.2	265.4	54,100*	62.9	270.1	62,900*	65.1	272.0	65,100													100
105	57.2	262.3	50,400*	61.0	267.3	58,100*	63.2	269.5	60,900													105
110	55.1	258.9	47,000*	59.1	264.4	53,900*	61.3	266.9	57,100													110
115	53.0	255.2	44,000*	57.1	261.2	50,200*	59.4	264.0	53,700													115
120	50.9	251.2	41,300*	55.0	257.8	46,900*	57.4	260.8	50,600	61.1	264.4	46,900										120
125	48.7	246.9	38,800*	52.9	254.1	43,900*	55.4	257.4	47,400*	59.2	261.4	44,200										125
130	46.4	242.3	36,500*	50.8	250.1	41,200*	53.3	253.8	44,400*	57.2	258.3	41,700										130
135	44.0	237.2	34,400*	48.6	245.8	38,700*	51.1	249.9	41,600*	55.2	254.9	39,500										135
140	41.5	231.7	32,500*	46.2	241.2	36,400*	48.9	245.6	39,100*	53.1	251.2	37,400	56.9	254.8	34,300							140
145	38.8	225.7	30,800*	43.8	236.1	34,400*	46.6	241.0	36,800*	50.9	247.2	35,500	54.9	251.3	32,500							145
150	36.0	219.1	29,100*	41.3	230.6	32,500*	44.2	236.0	34,700*	48.7	243.0	33,700	52.8	247.6	30,800							150
155	33.0	211.7	27,600*	38.7	224.5	30,700*	41.7	230.5	32,800*	46.4	238.3	32,000	50.6	243.6	29,300							155
160	29.7	203.3	26,200*	35.9	217.8	29,100*	39.1	224.6	31,000*	44.0	233.3	30,500	48.4	239.3	27,800	52.4	243.0	25,200				160
165	26.1	193.7	24,800*	32.9	210.4	27,500*	36.3	218.0	29,300*	41.5	227.8	29,000	46.1	234.6	26,400	50.2	238.9	23,900				165
170	21.9	182.3	23,600*	29.6	202.0	26,100*	33.4	210.7	27,800*	38.9	221.8	27,600	43.7	229.5	25,100	47.9	234.5	22,700				170
175	16.6	167.6	21,700*	25.9	192.3	24,800*	30.1	202.5	26,300*	36.1	215.1	26,400	41.2	223.9	23,900	45.6	229.7	21,600				175
180	8.7	144.5	18,600*	21.6	180.7	23,500*	26.5	193.1	25,000*	33.1	207.8	25,100	38.5	217.8	22,800	43.2	224.6	20,500	47.3	228.6	18,300	180
185				16.3	165.8	22,400*	22.4	181.8	23,800*	29.8	199.5	24,000	35.7	211.1	21,700	40.6	218.9	19,500	45.0	223.7	17,400	185
190				8.1	141.8	19,600*	17.3	167.6	22,600*	26.2	189.9	22,900	32.6	203.6	20,700	37.9	212.7	18,500	42.5	218.4	16,500	190
195							9.9	146.2	20,900*	21.9	178.4	21,800	29.3	195.1	19,700	35.1	205.8	17,600	39.9	212.6	15,600	195
200										16.7	163.8	20,800	25.6	185.3	18,800	32.0	198.2	16,800	37.2	206.3	14,800	200
205										8.9	141.1	19,800	21.3	173.6	17,900	28.6	189.5	16,000	34.3	199.2	14,100	205
210													15.9	158.3	17,000	24.8	179.3	15,200	31.1	191.3	13,300	210
215													7.1	132.8	16,200	20.3	167.0	14,400	27.6	182.2	12,600	215
220																14.6	150.7	13,700	23.7	171.6	11,900	220
225																2.9	116.4	12,900	18.9	158.5	11,300	225
230																			12.5	140.2	10,600	230

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

110 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.9	293.6	77,100*																			60
65	73.2	292.1	74,900*																			65
70	71.5	290.5	72,600*																			70
75	69.8	288.7	70,400*																			75
80	68.1	286.7	67,700*																			80
85	66.4	284.6	64,900*	69.8	287.7	70,800*																85
90	64.6	282.2	62,200*	68.0	285.7	68,000*																90
95	62.9	279.7	57,800*	66.3	283.6	65,300*																95
100	61.1	277.0	53,600*	64.6	281.2	62,300*	66.6	283.0	64,500													100
105	59.2	274.1	49,800*	62.8	278.7	57,600*	64.8	280.7	60,300													105
110	57.3	271.0	46,500*	61.0	276.0	53,400*	63.1	278.2	56,500													110
115	55.4	267.6	43,500*	59.1	273.1	49,700*	61.3	275.5	53,100													115
120	53.4	264.0	40,700*	57.2	269.9	46,400*	59.4	272.6	50,000	62.9	275.7	46,200										120
125	51.4	260.1	38,200*	55.3	266.5	43,300*	57.5	269.5	46,900*	61.1	273.0	43,500										125
130	49.3	255.9	36,000*	53.3	262.9	40,600*	55.6	266.2	43,800*	59.2	270.1	41,100										130
135	47.2	251.3	33,900*	51.3	259.0	38,200*	53.7	262.6	41,100*	57.4	267.0	38,800										135
140	45.0	246.4	32,000*	49.2	254.8	35,900*	51.7	258.7	38,600*	55.4	263.6	36,800										140
145	42.7	241.2	30,200*	47.1	250.2	33,800*	49.6	254.5	36,300*	53.5	260.0	34,800	57.1	263.5	31,800							145
150	40.2	235.4	28,600*	44.9	245.3	31,900*	47.4	250.0	34,200*	51.5	256.1	33,100	55.2	260.1	30,100							150
155	37.7	229.1	27,100*	42.5	240.0	30,200*	45.2	245.2	32,200*	49.4	251.9	31,400	53.2	256.4	28,600							155
160	35.0	222.2	25,600*	40.1	234.2	28,500*	42.9	239.9	30,400*	47.2	247.4	29,900	51.2	252.5	27,100							160
165	32.1	214.6	24,300*	37.5	227.9	27,000*	40.5	234.3	28,800*	45.0	242.5	28,400	49.1	248.2	25,800	52.8	251.8	23,200				165
170	28.9	205.9	23,100*	34.8	221.0	25,600*	38.0	228.0	27,200*	42.7	237.2	27,000	46.9	243.6	24,500	50.8	247.8	22,000				170
175	25.3	196.0	21,900*	31.9	213.3	24,300*	35.3	221.2	25,800*	40.3	231.5	25,800	44.7	238.7	23,300	48.7	243.5	20,900				175
180	21.2	184.1	20,800*	28.7	204.6	23,000*	32.4	213.6	24,500*	37.7	225.2	24,500	42.4	233.4	22,200	46.5	238.8	19,800				180
185	16.2	169.0	19,100*	25.1	194.6	21,900*	29.2	205.1	23,200*	35.0	218.3	23,400	39.9	227.6	21,100	44.2	233.8	18,800				185
190	8.4	145.2	16,300*	21.0	182.6	20,800*	25.7	195.3	22,000*	32.1	210.7	22,300	37.4	221.2	20,100	41.9	228.4	17,900	45.9	232.9	15,700	190
195				15.9	167.2	19,700*	21.7	183.7	20,900*	28.9	202.0	21,300	34.6	214.2	19,100	39.4	222.5	17,000	43.6	227.8	14,900	195
200				7.8	142.5	17,200*	16.8	169.1	19,900*	25.4	192.1	20,300	31.7	206.5	18,200	36.8	216.0	16,100	41.2	222.2	14,100	200
205							9.6	147.1	18,400*	21.3	180.3	19,400	28.5	197.7	17,300	34.1	208.9	15,300	38.7	216.2	13,400	205
210										16.3	165.3	18,500	24.9	187.5	16,500	31.1	200.9	14,500	36.1	209.5	12,600	210
215										8.6	141.8	17,500	20.7	175.4	15,700	27.8	191.9	13,800	33.3	202.2	12,000	215
220													15.4	159.7	14,900	24.1	181.5	13,100	30.2	194.0	11,300	220
225													6.9	133.3	14,100	19.7	168.8	12,400	26.8	184.6	10,700	225
230																14.2	151.9	11,700	23.0	173.6	10,000	230
235																2.8	116.6	11,000	18.4	160.1	9,400	235
240																			12.2	141.3	8,800	240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

110 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.7	303.9	71,400*																			60
65	74.1	302.5	70,500*																			65
70	72.5	301.0	68,300*																			70
75	70.9	299.3	65,800*																			75
80	69.3	297.5	63,300*																			80
85	67.7	295.5	60,800*	70.9	298.3	65,800*																85
90	66.1	293.3	58,300*	69.3	296.5	63,500*																90
95	64.4	290.9	55,700*	67.6	294.5	61,000*																95
100	62.7	288.4	53,100*	66.0	292.3	58,600*	67.9	293.9	61,100*													100
105	61.0	285.7	49,300*	64.3	289.9	56,100*	66.3	291.7	58,700*													105
110	59.3	282.8	46,000*	62.6	287.4	52,900*	64.6	289.4	56,000													110
115	57.5	279.6	43,000*	60.9	284.7	49,200*	62.9	286.9	52,500													115
120	55.7	276.3	40,200*	59.2	281.7	45,900*	61.2	284.2	49,400													120
125	53.8	272.7	37,800*	57.4	278.6	42,900*	59.4	281.3	46,400*	62.7	284.4	42,900										125
130	51.9	268.9	35,500*	55.6	275.2	40,100*	57.7	278.2	43,300*	61.0	281.7	40,500										130
135	49.9	264.7	33,400*	53.7	271.6	37,700*	55.9	274.9	40,600*	59.3	278.8	38,200										135
140	47.9	260.3	31,500*	51.8	267.8	35,400*	54.0	271.3	38,100*	57.5	275.6	36,200										140
145	45.9	255.6	29,700*	49.9	263.7	33,300*	52.1	267.5	35,800*	55.7	272.3	34,300										145
150	43.7	250.5	28,100*	47.8	259.2	31,400*	50.2	263.4	33,700*	53.8	268.7	32,500	57.3	272.1	29,500							150
155	41.5	245.0	26,600*	45.8	254.5	29,700*	48.2	259.0	31,700*	51.9	264.9	30,800	55.4	268.8	28,000							155
160	39.1	239.0	25,100*	43.6	249.3	28,000*	46.1	254.3	29,900*	50.0	260.8	29,300	53.6	265.1	26,500							160
165	36.6	232.5	23,800*	41.3	243.8	26,500*	43.9	249.2	28,300*	48.0	256.4	27,800	51.7	261.3	25,200							165
170	34.0	225.3	22,600*	39.0	237.8	25,100*	41.7	243.8	26,800*	45.9	251.6	26,500	49.7	257.1	23,900							170
175	31.2	217.4	21,400*	36.5	231.2	23,800*	39.4	237.8	25,300*	43.7	246.5	25,200	47.7	252.7	22,700	51.3	256.6	20,300				175
180	28.1	208.4	20,300*	33.9	224.0	22,500*	36.9	221.4	24,000*	41.5	241.0	24,000	45.6	247.9	21,600	49.3	252.4	19,200				180
185	24.6	198.2	19,300*	31.0	216.1	21,400*	34.3	224.3	22,700*	39.2	235.0	22,900	43.4	242.7	20,500	47.3	247.9	18,200				185
190	20.6	185.9	18,300*	27.9	207.1	20,300*	31.5	216.5	21,600*	36.7	228.5	21,800	41.2	237.2	19,500	45.2	243.0	17,300				190
195	15.7	170.3	16,700*	24.4	196.7	19,200*	28.4	207.6	20,500*	34.0	221.4	20,800	38.8	231.1	18,600	43.0	237.8	16,400	46.7	242.0	14,300	195
200	8.2	145.9	14,100*	20.4	184.4	18,300*	25.0	197.6	19,400*	31.2	213.5	19,800	36.3	224.5	17,600	40.7	232.1	15,500	44.6	237.0	13,500	200
205				15.4	168.6	17,300*	21.1	185.6	18,400*	28.1	204.5	18,900	33.7	217.3	16,800	38.3	226.0	14,700	42.4	231.7	12,800	205
210				7.6	143.1	15,000*	16.3	170.5	17,500*	24.7	194.3	18,000	30.8	209.2	16,000	35.8	219.3	14,000	40.1	225.9	12,000	210
215							9.3	147.9	16,200*	20.7	182.1	17,100	27.7	200.1	15,200	33.1	211.9	13,200	37.7	219.6	11,400	215
220										15.8	166.6	16,300	24.2	189.7	14,400	30.2	203.6	12,500	35.1	212.7	10,700	220
225										8.4	142.5	15,500	20.1	177.2	13,700	27.0	194.3	11,900	32.3	205.1	10,100	225
230													15.0	161.0	13,000	23.4	183.5	11,200	29.4	196.6	9,500	230
235													6.7	133.9	12,200	19.2	170.4	10,600	26.1	186.9	8,900	235
240																13.8	153.1	10,000	22.3	175.6	8,400	240
245																2.7	116.8	9,300	17.9	161.7	7,800	245
250																			11.8	142.3	7,300	250

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

110 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.9	312.9	63,900*																			65
70	73.4	311.5	63,200*																			70
75	71.9	309.9	61,200*																			75
80	70.4	308.1	58,800*																			80
85	68.9	306.2	56,300*																			85
90	67.3	304.2	53,900*	70.3	307.2	58,800*																90
95	65.8	302.0	51,400*	68.8	305.3	56,400*																95
100	64.2	299.6	49,000*	67.3	303.2	54,100*																100
105	62.6	297.1	46,600*	65.7	301.0	51,700*	67.5	302.6	54,100*													105
110	60.9	294.3	44,300*	64.1	298.6	49,300*	65.9	300.4	51,900*													110
115	59.3	291.4	42,100*	62.5	296.1	46,900*	64.4	298.1	49,600*													115
120	57.6	288.3	39,700*	60.9	293.3	44,700*	62.8	295.5	47,300*													120
125	55.9	285.0	37,200*	59.2	290.4	42,300*	61.1	292.8	45,100*													125
130	54.1	281.4	34,900*	57.5	287.3	39,600*	59.5	289.9	42,800*	62.6	293.1	39,800										130
135	52.3	277.7	32,800*	55.8	283.9	37,100*	57.8	286.9	40,000*	61.0	290.3	37,600										135
140	50.5	273.6	30,900*	54.0	280.4	34,800*	56.1	283.5	37,500*	59.3	287.4	35,500										140
145	48.6	269.3	29,200*	52.2	276.6	32,800*	54.3	280.0	35,200*	57.6	284.3	33,600										145
150	46.6	264.7	27,500*	50.4	272.5	30,900*	52.5	276.3	33,100*	55.9	281.0	31,800										150
155	44.6	259.7	26,000*	48.5	268.2	29,100*	50.7	272.3	31,200*	54.2	277.5	30,200	57.4	280.8	27,300							155
160	42.5	254.4	24,600*	46.5	263.5	27,500*	48.8	268.0	29,400*	52.4	273.7	28,700	55.7	277.5	25,800							160
165	40.4	248.7	23,300*	44.5	258.6	25,900*	46.9	263.4	27,700*	50.5	269.6	27,200	53.9	273.9	24,500							165
170	38.1	242.4	22,000*	42.4	253.2	24,500*	44.9	258.5	26,200*	48.6	265.3	25,900	52.1	270.1	23,200							170
175	35.7	235.7	20,900*	40.2	247.5	23,200*	42.8	253.2	24,800*	46.7	260.7	24,600	50.3	266.0	22,000							175
180	33.1	228.3	19,800*	38.0	241.2	22,000*	40.6	247.5	23,400*	44.7	255.8	23,400	48.4	261.6	20,900	51.7	265.4	18,500				180
185	30.3	220.1	18,700*	35.5	234.5	20,800*	38.3	241.3	22,200*	42.6	250.4	22,300	46.4	257.0	19,900	49.9	261.3	17,500				185
190	27.3	210.9	17,800*	33.0	227.0	19,700*	35.9	234.6	21,000*	40.4	244.7	21,200	44.4	252.0	18,900	48.0	256.9	16,600				190
195	24.0	200.3	16,800*	30.2	218.8	18,700*	33.4	227.3	19,900*	38.1	238.5	20,200	42.3	246.6	17,900	46.0	252.2	15,700				195
200	20.1	187.7	16,000*	27.2	209.5	17,700*	30.7	219.2	18,900*	35.7	231.8	19,200	40.1	240.8	17,000	44.0	247.1	14,900	47.4	251.0	12,800	200
205	15.3	171.7	14,500*	23.8	198.8	16,800*	27.7	210.1	17,900*	33.1	224.4	18,300	37.8	234.5	16,200	41.8	241.6	14,100	45.5	246.2	12,000	205
210	8.0	146.6	12,200*	19.9	186.1	15,900*	24.4	199.7	17,000*	30.4	216.2	17,400	35.4	227.7	15,300	39.6	235.8	13,300	43.4	241.0	11,300	210
215				15.0	169.9	15,100*	20.6	187.4	16,100*	27.4	207.0	16,600	32.8	220.2	14,600	37.3	229.4	12,600	41.2	235.4	10,700	215
220				7.4	143.8	13,000*	15.9	171.9	15,200*	24.1	196.4	15,800	30.0	211.9	13,800	34.9	222.4	11,900	39.0	229.4	10,000	220
225							9.1	148.6	14,100*	20.2	183.9	15,000	27.0	202.5	13,100	32.2	214.8	11,200	36.7	222.9	9,400	225
230										15.4	168.0	14,300	23.6	191.8	12,400	29.4	206.3	10,600	34.2	215.8	8,800	230
235										8.2	143.2	13,500	19.6	178.9	11,700	26.3	196.7	10,000	31.5	207.9	8,300	235
240													14.6	162.2	11,100	22.8	185.5	9,400	28.6	199.1	7,700	240
245													6.5	134.4	10,400	18.7	172.1	8,800	25.4	189.2	7,200	245
250																13.4	154.3	8,200	21.8	177.5	6,700	250
255																2.6	117.0	7,600	17.4	163.2	6,200	255
260																			11.5	143.3	5,700	260

MANITOWOC ENGINEERING CO.

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



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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

120 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	67.6	194.3	165,800*b																			40
45	63.0	191.9	154,200*b																			45
50	58.3	189.0	139,400*b	68.1	193.7	163,600*b																50
55	53.3	185.5	121,600*	63.6	191.3	153,600*b																55
60	47.9	181.2	107,600*	58.9	188.4	142,100*b	64.8	191.0	146,500b													60
65	42.0	176.0	96,300*	53.9	185.0	123,600*	60.2	188.2	132,300b													65
70	35.3	169.5	87,000*	48.6	180.8	109,200*	55.3	184.9	120,400b													70
75	27.1	160.9	79,200*	42.8	175.7	97,600*	50.0	181.0	110,400	60.5	186.0	105,700b										75
80	15.2	147.2	72,500*	36.2	169.4	88,100*	44.4	176.2	100,500*	55.6	182.8	97,500b										80
85				28.2	161.2	80,200*	38.0	170.2	90,500*	50.4	178.9	90,400										85
90				17.1	148.6	73,400*	30.5	162.6	82,200*	44.8	174.2	84,200	55.8	179.6	80,500b							90
95							20.6	151.6	75,100*	38.5	168.3	78,700	50.6	175.7	75,300							95
100										31.2	160.9	73,800	45.0	171.0	70,600							100
105										21.6	150.3	69,400	38.7	165.2	66,400	50.4	171.3	63,500				105
110													31.4	157.8	62,700	44.7	166.6	59,900				110
115													21.9	147.3	59,200	38.4	160.7	56,600				115
120																31.1	153.3	53,600	44.0	160.9	51,200	120
125																21.4	142.6	50,900	37.6	154.9	48,600	125
130																			30.1	147.2	46,200	130
135																			20.0	135.9	43,900	135

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LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

120 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	70.5	205.1	160,100*b																			40
45	66.6	203.1	150,100*b																			45
50	62.7	200.6	138,900*b	71.0	204.4	158,200*b																50
55	58.5	197.7	122,300*	67.1	202.4	148,900*b																55
60	54.1	194.2	108,200*	63.2	200.0	139,500*b																60
65	49.5	190.2	96,800*	59.0	197.1	124,400*	64.2	199.6	131,800b													65
70	44.6	185.4	87,400*	54.7	193.7	109,800*	60.1	196.9	120,000													70
75	39.1	179.6	79,600*	50.1	189.8	98,100*	55.9	193.7	110,000													75
80	32.9	172.5	72,900*	45.2	185.0	88,500*	51.4	189.8	101,000*	60.5	194.7	97,000										80
85	25.3	163.1	67,100*	39.8	179.4	80,500*	46.5	185.4	90,900*	56.2	191.5	89,900										85
90	14.1	148.4	62,000*	33.7	172.5	73,700*	41.3	180.0	82,500*	51.7	187.7	83,700										90
95				26.3	163.5	67,800*	35.4	173.5	75,400*	46.9	183.3	78,300	56.3	188.3	74,800							95
100				15.9	149.9	62,700*	28.4	165.1	69,300*	41.7	178.0	73,400	51.8	184.5	70,100							100
105							19.2	153.3	64,000*	35.9	171.6	69,100	47.1	180.1	66,000							105
110										29.0	163.4	65,100	41.9	174.9	62,200	51.7	180.2	59,300				110
115										20.1	152.0	61,500	36.1	168.5	58,800	46.9	175.7	56,100				115
120													29.2	160.4	55,700	41.7	170.4	53,100				120
125													20.4	149.1	52,800	35.8	164.0	50,400	46.3	170.1	48,000	125
130																29.0	155.8	47,900	41.0	164.7	45,700	130
135																20.0	144.4	45,600	35.1	158.1	43,500	135
140																			28.0	149.7	41,500	140
145																			18.6	137.5	39,500	145

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

120 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	74.1	216.3	158,500*b																			38
40	72.8	215.7	154,600*b																			40
45	69.4	213.9	145,400*b																			45
50	65.9	211.8	136,000*b																			50
55	62.4	209.3	122,900*	69.8	213.2	144,300*b																55
60	58.7	206.3	108,600*	66.4	211.1	136,400*b																60
65	54.8	203.0	97,100*	62.8	208.6	124,900*	67.3	210.7	131,400b													65
70	50.8	199.0	87,700*	59.1	205.8	110,300*	63.8	208.3	119,600													70
75	46.5	194.5	79,800*	55.3	202.5	98,500*	60.1	205.6	109,600													75
80	41.9	189.2	73,000*	51.3	198.6	88,800*	56.3	202.4	101,100													80
85	36.7	182.9	67,200*	47.0	194.2	80,700*	52.4	198.7	91,200*	60.4	203.4	89,500										85
90	30.9	175.2	62,200*	42.5	189.0	73,900*	48.2	194.4	82,800*	56.6	200.2	83,300										90
95	23.7	165.2	57,700*	37.4	182.8	68,000*	43.7	189.4	75,600*	52.7	196.5	77,900										95
100	13.2	149.5	53,800*	31.7	175.3	62,800*	38.8	183.5	69,500*	48.5	192.3	73,100	56.7	197.0	69,700							100
105				24.7	165.7	58,300*	33.3	176.5	64,100*	44.1	187.4	68,700	52.8	193.3	65,500							105
110				15.0	151.2	54,300*	26.7	167.5	59,500*	39.2	181.6	64,800	48.6	189.1	61,800							110
115							18.1	154.9	55,300*	33.7	174.6	61,300	44.2	184.2	58,400	52.7	189.0	55,600				115
120										27.3	165.9	58,100	39.3	178.5	55,400	48.5	184.8	52,700				120
125										18.9	153.7	55,100	33.9	171.5	52,600	44.0	179.8	50,000				125
130													27.5	162.8	50,000	39.1	174.0	47,600	48.0	179.2	45,200	130
135													19.2	150.8	47,600	33.7	167.0	45,300	43.5	174.2	43,100	135
140																27.2	158.2	43,200	38.5	168.2	41,100	140
145																18.8	146.0	41,200	33.0	161.1	39,200	145
150																			26.4	152.0	37,500	150
155																			17.5	139.0	35,800	155

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

120 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	75.7	226.7	152,400*																			38
40	74.5	226.2	148,800*																			40
45	71.5	224.6	140,400*																			45
50	68.5	222.7	132,600*																			50
55	65.3	220.5	123,000*																			55
60	62.1	217.9	108,700*	68.9	222.0	132,200*																60
65	58.8	215.0	97,100*	65.7	219.8	124,400*																65
70	55.4	211.7	87,600*	62.5	217.3	110,400*	66.6	219.4	119,100													70
75	51.8	207.9	79,700*	59.2	214.4	98,500*	63.4	217.0	109,100													75
80	48.0	203.6	72,900*	55.8	211.2	88,800*	60.1	214.2	100,600													80
85	43.9	198.6	67,100*	52.2	207.4	80,600*	56.7	211.1	91,200*													85
90	39.6	192.8	62,000*	48.5	203.2	73,700*	53.2	207.4	82,700*	60.4	212.0	82,800										90
95	34.7	186.1	57,600*	44.5	198.3	67,800*	49.5	203.3	75,500*	57.0	208.9	77,400										95
100	29.2	177.8	53,600*	40.1	192.7	62,700*	45.5	198.6	69,300*	53.5	205.3	72,600										100
105	22.5	167.2	50,100*	35.4	186.0	58,100*	41.3	193.2	64,000*	49.8	201.3	68,300	57.1	205.7	65,000							105
110	12.5	150.6	46,900*	30.0	178.0	54,100*	36.7	186.9	59,300*	45.9	196.6	64,400	53.6	202.1	61,300							110
115				23.4	167.7	50,600*	31.5	179.3	55,200*	41.7	191.2	60,900	49.9	198.1	57,900							115
120				14.2	152.4	47,300*	25.3	169.7	51,500*	37.1	185.0	57,700	46.0	193.4	54,900							120
125							17.1	156.3	48,200*	31.9	177.5	54,700	41.8	188.1	52,100	49.7	193.7	49,500				125
130										25.8	168.2	51,800*	37.2	181.9	49,500	45.8	189.0	47,000				130
135										17.9	155.2	48,500*	32.1	174.4	47,200	41.6	183.7	44,800				135
140													26.0	165.1	45,000	37.0	177.4	42,700	45.3	183.4	40,500	140
145													18.1	152.3	42,900	31.8	169.9	40,800	41.1	178.0	38,700	145
150																25.8	160.5	39,000	36.4	171.6	36,900	150
155																17.8	147.5	37,200	31.2	163.9	35,300	155
160																			24.9	154.2	33,800	160
165																			16.6	140.5	32,400	165

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

120 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	76.0	236.5	140,800*																			40
45	73.3	235.1	134,500*																			45
50	70.5	233.4	127,400*																			50
55	67.7	231.4	120,300*																			55
60	64.9	229.2	111,900*	70.9	232.7	127,000*																60
65	61.9	226.6	99,900*	68.1	230.7	120,900*																65
70	58.9	223.7	90,100*	65.2	228.5	113,600*																70
75	55.8	220.4	81,900*	62.3	226.0	101,300*	66.0	228.1	108,600													75
80	52.6	216.7	74,900*	59.3	223.1	91,300*	63.1	225.7	100,100													80
85	49.2	212.5	68,900*	56.2	219.9	82,800*	60.1	222.9	92,800													85
90	45.6	207.8	63,600*	53.0	216.2	75,700*	57.0	219.7	84,900*													90
95	41.8	202.4	59,100*	49.6	212.1	69,600*	53.8	216.2	77,500*	60.3	220.7	76,900										95
100	37.6	196.3	55,000*	46.0	207.5	64,300*	50.5	212.2	71,100*	57.3	217.6	72,100										100
105	33.1	189.0	51,400*	42.3	202.2	59,600*	47.0	207.7	65,600*	54.1	214.1	67,800										105
110	27.8	180.3	48,200*	38.2	196.1	55,500*	43.3	202.6	60,800*	50.8	210.1	63,900	57.3	214.3	60,800							110
115	21.4	169.0	45,200*	33.7	189.1	51,900*	39.3	196.8	56,600*	47.3	205.7	60,400	54.2	210.9	57,400							115
120	11.9	151.6	40,700*	28.5	180.5	48,600*	34.9	190.0	52,800*	43.6	200.6	57,200	50.9	206.9	54,400							120
125				22.3	169.7	45,600*	29.9	182.0	49,400*	39.6	194.9	54,300	47.4	202.5	51,600							125
130				13.5	153.5	42,900*	24.1	171.9	46,400*	35.3	188.2	51,700	43.7	197.5	49,100	50.7	202.6	46,500				130
135							16.3	157.7	43,600*	30.4	180.2	49,200	39.7	191.7	46,700	47.2	198.1	44,300				135
140										24.6	170.3	46,600*	35.4	185.1	44,500	43.5	193.1	42,200				140
145										17.0	156.7	43,800*	30.5	177.1	42,500	39.6	187.3	40,300	46.8	192.5	38,100	145
150													24.8	167.3	40,600	35.2	180.6	38,500	43.1	187.4	36,500	150
155													17.3	153.8	38,900	30.3	172.6	36,900	39.1	181.5	34,900	155
160																24.5	162.7	35,300	34.7	174.7	33,400	160
165																16.9	149.0	33,800	29.7	166.5	32,000	165
170																			23.7	156.3	30,700	170
175																			15.8	141.8	29,400	175

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

120 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.7	245.5	125,900*																			45
50	72.2	244.0	121,100*																			50
55	69.7	242.2	116,700*																			55
60	67.1	240.2	110,000*																			60
65	64.5	237.9	99,600*	70.0	241.5	117,000*																65
70	61.8	235.2	89,800*	67.4	239.5	111,200*																70
75	59.0	232.3	81,500*	64.8	237.2	101,000*																75
80	56.2	229.1	74,500*	62.1	234.6	90,900*	65.5	236.8	99,600													80
85	53.2	225.5	68,500*	59.4	231.8	82,500*	62.8	234.3	92,300													85
90	50.1	221.4	63,300*	56.5	228.6	75,400*	60.1	231.5	84,600*													90
95	46.9	216.9	58,700*	53.6	225.0	69,200*	57.3	228.4	77,200*	63.0	232.1	76,300										95
100	43.5	211.8	54,600*	50.5	221.0	63,900*	54.4	224.9	70,800*	60.3	229.3	71,500										100
105	39.9	206.1	51,000*	47.3	216.5	59,200*	51.3	221.1	65,300*	57.5	226.3	67,300										105
110	36.0	199.5	47,700*	44.0	211.5	55,100*	48.2	216.8	60,400*	54.6	222.8	63,400										110
115	31.6	191.9	44,800*	40.4	205.9	51,400*	44.9	211.9	56,200*	51.6	219.0	59,900	57.6	223.0	56,900							115
120	26.6	182.7	42,200*	36.5	199.5	48,200*	41.3	206.4	52,400*	48.4	214.7	56,700	54.7	219.6	53,800							120
125	20.4	170.8	39,700*	32.2	192.0	45,200*	37.5	200.2	49,000*	45.1	209.9	53,900	51.7	215.8	51,100							125
130	11.4	152.5	35,900*	27.2	183.0	42,500*	33.3	193.0	46,000*	41.6	204.5	51,200	48.5	211.5	48,500							130
135				21.3	171.6	40,100*	28.6	184.5	43,200*	37.8	198.3	48,700	45.2	206.7	46,200	51.6	211.4	43,700				135
140				12.9	154.6	37,800*	23.0	173.9	40,700*	33.7	191.2	46,200*	41.7	201.3	44,100	48.4	207.1	41,700				140
145							15.5	159.1	38,400*	29.0	182.8	43,400*	37.9	195.2	42,100	45.1	202.3	39,800				145
150										23.5	172.4	40,900*	33.8	188.1	40,200	41.6	196.9	38,000	48.0	201.6	35,900	150
155										16.2	158.1	38,600*	29.1	179.7	38,400	37.8	190.7	36,300	44.7	196.7	34,300	155
160													23.7	169.4	36,800	33.6	183.6	34,800	41.1	191.2	32,800	160
165													16.5	155.2	35,200	29.0	175.2	33,300	37.3	184.9	31,500	165
170																23.4	164.7	32,000	33.1	177.7	30,200	170
175																16.1	150.4	30,600	28.4	169.1	28,900	175
180																			22.7	158.3	27,800	180
185																			15.0	143.1	26,600	185

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

120 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.9	255.9	116,400*																			45
50	73.6	254.5	112,300*																			50
55	71.3	252.9	108,300*																			55
60	68.9	251.0	104,500*																			60
65	66.6	248.9	100,400*																			65
70	64.1	246.5	90,400*	69.2	250.3	106,300*																70
75	61.6	243.9	82,000*	66.9	248.2	101,900*																75
80	59.1	241.0	74,900*	64.4	245.9	91,600*	67.5	247.8	99,400													80
85	56.5	237.8	68,800*	61.9	243.3	83,000*	65.1	245.5	92,000													85
90	53.8	234.2	63,500*	59.4	240.4	75,800*	62.6	243.0	84,600*													90
95	51.0	230.3	58,800*	56.8	237.2	69,600*	60.1	240.2	77,100*													95
100	48.0	225.9	54,700*	54.1	233.7	64,200*	57.5	237.1	70,700*	62.8	240.8	71,300										100
105	45.0	221.1	51,100*	51.3	229.8	59,400*	54.8	233.7	65,100*	60.3	238.0	67,000										105
110	41.7	215.7	47,800*	48.4	225.5	55,300*	52.1	229.9	60,300*	57.7	234.9	63,100										110
115	38.2	209.6	44,900*	45.4	220.8	51,600*	49.2	225.7	56,000*	55.0	231.5	59,700										115
120	34.5	202.7	42,200*	42.1	215.4	48,200*	46.2	221.1	52,300*	52.3	227.8	56,500	57.8	231.7	53,600							120
125	30.3	194.6	39,700*	38.7	209.4	45,200*	43.0	215.9	48,900*	49.4	223.6	53,600	55.1	228.3	50,800							125
130	25.5	184.9	37,500*	35.0	202.6	42,500*	39.6	210.1	45,800*	46.4	219.0	51,000	52.3	224.6	48,300							130
135	19.6	172.5	35,500*	30.8	194.7	40,100*	36.0	203.5	43,100*	43.3	213.9	48,500	49.5	220.4	46,000							135
140	10.9	153.4	32,000*	26.1	185.3	37,800*	32.0	195.9	40,600*	39.9	208.1	46,300*	46.5	215.8	43,800	52.2	220.2	41,400				140
145				20.4	173.3	35,700*	27.5	186.9	38,300*	36.3	201.6	43,500*	43.3	210.7	41,800	49.4	216.1	39,500				145
150				12.3	155.7	33,800*	22.1	175.8	36,200*	32.3	194.1	40,900*	40.0	205.0	40,000	46.4	211.4	37,800				150
155							14.9	160.4	34,200*	27.8	185.3	38,600*	36.4	198.5	38,300	43.2	206.3	36,100				155
160										22.5	174.4	36,500*	32.4	191.0	36,600	39.9	200.6	34,600	46.0	205.8	32,600	160
165										15.6	159.4	34,500*	28.0	182.2	35,100	36.2	194.0	33,200	42.8	200.6	31,200	165
170													22.7	171.4	33,700	32.3	186.5	31,800	39.4	194.8	29,900	170
175													15.8	156.6	32,300	27.8	177.7	30,500	35.8	188.2	28,700	175
180																22.5	166.7	29,300	31.8	180.5	27,600	180
185																15.5	151.7	28,100	27.2	171.5	26,500	185
190																			21.8	160.2	25,500	190
195																			14.4	144.4	24,500	195

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

120 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.8	264.9	105,000*																			50
55	72.7	263.4	101,500*																			55
60	70.5	261.7	97,900*																			60
65	68.3	259.8	94,600*																			65
70	66.1	257.6	90,000*	70.8	261.0	99,300*																70
75	63.8	255.2	81,600*	68.6	259.1	96,300*																75
80	61.5	252.6	74,500*	66.4	256.9	91,200*																80
85	59.1	249.7	68,400*	64.1	254.6	82,600*	67.0	256.5	81,900													85
90	56.7	246.5	63,100*	61.8	252.0	75,400*	64.7	254.2	75,900													90
95	54.2	243.0	58,400*	59.4	249.1	69,100*	62.4	251.7	70,600													95
100	51.6	239.1	54,300*	57.0	245.9	63,700*	60.1	248.9	65,900													100
105	49.0	234.9	50,600*	54.5	242.5	59,000*	57.7	245.8	61,700	62.6	249.4	57,100										105
110	46.2	230.2	47,300*	52.0	238.7	54,800*	55.2	242.4	58,000	60.3	246.7	53,500										110
115	43.2	225.1	44,400*	49.3	234.5	51,100*	52.7	238.7	54,600	57.9	243.6	50,400										115
120	40.1	219.3	41,700*	46.5	229.9	47,800*	50.0	234.6	51,500	55.4	240.2	47,500										120
125	36.8	212.9	39,300*	43.6	224.8	44,800*	47.3	230.1	48,600*	52.9	236.6	44,800	57.9	240.4	41,000							125
130	33.2	205.6	37,100*	40.5	219.1	42,100*	44.4	225.2	45,600*	50.2	232.5	42,400	55.5	237.0	38,800							130
135	29.1	197.2	35,000*	37.2	212.8	39,600*	41.3	219.7	42,800*	47.5	228.1	40,200	52.9	233.3	36,700							135
140	24.5	187.1	33,100*	33.6	205.6	37,300*	38.1	213.5	40,200*	44.6	223.1	38,100	50.3	229.3	34,800							140
145	18.9	174.2	31,400*	29.7	197.4	35,300*	34.6	206.6	37,900*	41.6	217.7	36,200	47.6	224.9	33,000	52.8	229.0	29,900				145
150	10.5	154.3	28,300*	25.1	187.5	33,400*	30.8	198.7	35,800*	38.4	211.6	34,400	44.7	220.0	31,300	50.2	225.0	28,300				150
155				19.7	175.1	31,600*	26.4	189.3	33,900*	34.9	204.8	32,700	41.7	214.5	29,800	47.4	220.5	26,900				155
160				11.9	156.7	29,900*	21.2	177.7	32,100*	31.1	196.9	31,200	38.5	208.5	28,300	44.6	215.6	25,500				160
165							14.3	161.6	30,400*	26.8	187.7	29,700	35.0	201.6	27,000	41.6	210.1	24,300	47.1	214.9	21,700	165
170										21.7	176.3	28,300	31.2	193.8	25,700	38.3	204.0	23,100	44.2	209.9	20,600	170
175										15.0	160.7	27,000	26.9	184.6	24,500	34.9	197.2	22,000	41.2	204.4	19,500	175
180													21.8	173.3	23,300	31.0	189.3	20,900	37.9	198.2	18,600	180
185													15.2	157.9	22,200	26.7	180.0	19,900	34.4	191.3	17,600	185
190																21.6	168.6	18,900	30.6	183.3	16,800	190
195																14.9	153.0	18,000	26.2	173.8	15,900	195
200																			20.9	162.0	15,100	200
205																			13.9	145.5	14,300	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

120 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.9	275.3	99,800*																			50
55	73.9	273.9	96,800*																			55
60	71.9	272.3	93,800*																			60
65	69.8	270.5	90,900*																			65
70	67.8	268.5	88,100*																			70
75	65.7	266.3	82,400*	70.1	269.8	92,000*																75
80	63.6	263.9	75,200*	68.0	267.8	89,500*																80
85	61.4	261.2	69,000*	66.0	265.6	83,500*																85
90	59.2	258.3	63,600*	63.8	263.3	76,100*	66.5	265.2	75,200													90
95	56.9	255.1	58,900*	61.7	260.6	69,800*	64.4	262.9	70,000													95
100	54.6	251.7	54,700*	59.5	257.7	64,300*	62.3	260.3	65,300													100
105	52.2	247.9	51,000*	57.2	254.6	59,500*	60.1	257.5	61,100													105
110	49.8	243.8	47,700*	54.9	251.2	55,300*	57.8	254.4	57,400	62.4	258.1	52,900										110
115	47.2	239.3	44,700*	52.5	247.4	51,500*	55.5	251.1	54,000	60.2	255.3	49,700										115
120	44.5	234.3	42,000*	50.1	243.4	48,100*	53.2	247.4	50,900	58.0	252.3	46,800										120
125	41.7	228.9	39,500*	47.5	238.9	45,100*	50.7	243.5	48,100	55.7	248.9	44,200										125
130	38.7	222.9	37,300*	44.8	234.0	42,400*	48.2	239.1	45,500	53.4	245.3	41,800										130
135	35.5	216.1	35,200*	42.0	228.7	39,900*	45.6	234.3	43,100*	50.9	241.4	39,500	55.8	245.7	36,000							135
140	32.0	208.5	33,300*	39.1	222.7	37,600*	42.8	229.1	40,500*	48.4	237.0	37,500	53.4	242.1	34,100							140
145	28.1	199.7	31,500*	35.9	216.1	35,500*	39.9	223.3	38,200*	45.8	232.3	35,600	51.0	238.2	32,300							145
150	23.7	189.2	29,900*	32.4	208.6	33,600*	36.8	216.9	36,000*	43.0	227.1	33,800	48.5	233.8	30,700							150
155	18.2	175.8	28,000*	28.6	199.9	31,800*	33.4	209.6	34,100*	40.1	221.4	32,200	45.8	229.1	29,200	50.9	233.8	26,200				155
160	10.1	155.2	24,300*	24.3	189.6	30,100*	29.7	201.3	32,200*	37.0	215.0	30,600	43.1	223.9	27,700	48.4	229.5	24,900				160
165				19.0	176.7	28,600*	25.5	191.5	30,600*	33.7	207.8	29,200	40.2	218.2	26,400	45.7	224.7	23,600				165
170				11.4	157.7	26,200*	20.5	179.5	29,000*	30.0	199.6	27,800	37.1	211.9	25,100	43.0	219.5	22,500				170
175							13.8	162.8	27,500*	25.8	189.9	26,500	33.8	204.7	23,900	40.1	213.8	21,400	45.4	219.1	18,900	175
180										20.9	178.1	25,300	30.1	196.5	22,800	37.0	207.4	20,300	42.6	213.9	17,900	180
185										14.5	161.9	24,100	26.0	186.9	21,700	33.6	200.2	19,300	39.7	208.0	17,000	185
190													21.1	175.1	20,700	29.9	192.0	18,400	36.6	201.6	16,100	190
195													14.7	159.2	19,700	25.8	182.3	17,500	33.2	194.3	15,300	195
200																20.9	170.4	16,600	29.5	185.9	14,500	200
205																14.4	154.2	15,800	25.2	176.0	13,800	205
210																			20.2	163.8	13,000	210
215																			13.4	146.7	12,300	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

120 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.9	284.3	89,300*																			55
60	73.0	282.8	86,700*																			60
65	71.2	281.1	84,100*																			65
70	69.2	279.3	81,500*																			70
75	67.3	277.3	79,000*																			75
80	65.4	275.0	75,500*	69.5	278.6	82,600*																80
85	63.4	272.6	69,200*	67.6	276.6	80,300*																85
90	61.3	269.9	63,700*	65.6	274.4	76,400*																90
95	59.3	267.0	58,900*	63.6	271.9	70,000*	66.1	273.9	69,300													95
100	57.1	263.8	54,700*	61.6	269.3	64,400*	64.1	271.6	64,700													100
105	55.0	260.4	50,900*	59.5	266.4	59,500*	62.1	269.0	60,500													105
110	52.7	256.7	47,500*	57.4	263.3	55,200*	60.1	266.2	56,700													110
115	50.4	252.7	44,500*	55.2	259.9	51,400*	58.0	263.1	53,400	62.3	266.8	49,000										115
120	48.1	248.3	41,800*	53.0	256.2	48,000*	55.8	259.8	50,300	60.2	264.0	46,100										120
125	45.6	243.5	39,300*	50.7	252.2	44,900*	53.6	256.2	47,500	58.1	260.9	43,500										125
130	43.0	238.3	37,000*	48.4	247.9	42,100*	51.3	252.3	44,900	56.0	257.6	41,100										130
135	40.3	232.6	34,900*	45.9	243.2	39,600*	49.0	248.1	42,500	53.8	254.1	38,900										135
140	37.4	226.3	33,000*	43.3	238.0	37,300*	46.6	243.4	40,200*	51.5	250.2	36,800	56.0	254.4	33,400							140
145	34.3	219.2	31,200*	40.6	232.4	35,200*	44.0	238.4	37,900*	49.2	246.0	34,900	53.8	250.9	31,600							145
150	30.9	211.3	29,500*	37.8	226.1	33,200*	41.4	232.9	35,700*	46.7	241.4	33,200	51.6	247.0	30,000							150
155	27.2	202.1	28,000*	34.7	219.2	31,400*	38.5	226.8	33,700*	44.2	236.4	31,500	49.2	242.8	28,500							155
160	22.9	191.2	26,600*	31.4	211.4	29,800*	35.5	220.1	31,900*	41.6	230.9	30,000	46.8	238.2	27,000	51.5	242.6	24,100				160
165	17.6	177.3	24,800*	27.7	202.4	28,200*	32.3	212.5	30,200*	38.8	224.9	28,600	44.3	233.2	25,700	49.2	238.4	22,900				165
170	9.8	156.0	21,500*	23.5	191.7	26,800*	28.7	203.9	28,600*	35.8	218.2	27,200	41.6	227.8	24,400	46.7	233.8	21,700				170
175				18.3	178.3	25,400*	24.6	193.7	27,100*	32.5	210.7	25,900	38.8	221.8	23,300	44.2	228.8	20,600				175
180				11.1	158.6	23,200*	19.8	181.2	25,800*	29.0	202.2	24,700	35.9	215.1	22,100	41.5	223.4	19,600	46.4	228.2	17,200	180
185							13.4	163.9	24,500*	25.0	192.2	23,600	32.6	207.6	21,100	38.7	217.3	18,600	43.9	223.2	16,300	185
190										20.2	179.9	22,500	29.1	199.1	20,100	35.7	210.6	17,700	41.2	217.6	15,400	190
195										14.0	163.1	21,400	25.1	189.1	19,100	32.5	203.1	16,800	38.4	211.5	14,600	195
200													20.4	176.9	18,200	29.0	194.6	16,000	35.4	204.8	13,800	200
205													14.2	160.4	17,300	24.9	184.5	15,200	32.1	197.1	13,100	205
210																20.2	172.2	14,400	28.5	188.4	12,400	210
215																13.9	155.4	13,600	24.4	178.2	11,700	215
220																			19.5	165.5	11,000	220
225																			12.9	147.8	10,400	225

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

120 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.8	294.6	83,900*																			55
60	74.1	293.3	81,500*																			60
65	72.3	291.7	79,200*																			65
70	70.5	290.0	76,900*																			70
75	68.7	288.1	74,600*																			75
80	66.9	286.0	72,300*	70.7	289.2	77,600*																80
85	65.0	283.7	68,900*	68.9	287.4	75,500*																85
90	63.2	281.2	63,400*	67.1	285.3	73,300*																90
95	61.2	278.6	58,600*	65.3	283.1	69,700*	67.6	284.9	68,900													95
100	59.3	275.6	54,400*	63.4	280.6	64,100*	65.8	282.7	64,200													100
105	57.3	272.5	50,600*	61.5	277.9	59,200*	63.9	280.3	60,100													105
110	55.3	269.1	47,200*	59.5	275.1	54,900*	62.0	277.7	56,300													110
115	53.2	265.5	44,200*	57.6	272.0	51,100*	60.1	274.8	53,000													115
120	51.0	261.5	41,500*	55.5	268.6	47,700*	58.1	271.8	49,900	62.1	275.4	45,700										120
125	48.8	257.2	39,000*	53.4	265.0	44,600*	56.1	268.5	47,100	60.2	272.6	43,100										125
130	46.5	252.6	36,700*	51.3	261.1	41,800*	54.0	264.9	44,500	58.2	269.6	40,700										130
135	44.1	247.6	34,600*	49.1	256.8	39,300*	51.9	261.1	42,100	56.2	266.3	38,500										135
140	41.6	242.1	32,700*	46.8	252.3	37,000*	49.7	257.0	39,900*	54.2	262.8	36,400										140
145	39.0	236.1	30,900*	44.4	247.3	34,900*	47.4	252.5	37,600*	52.0	259.0	34,600	56.3	263.1	31,200							145
150	36.2	229.6	29,200*	42.0	241.9	32,900*	45.1	247.6	35,400*	49.9	254.9	32,800	54.2	259.6	29,600							150
155	33.2	222.2	27,700*	39.3	236.0	31,100*	42.6	242.3	33,400*	47.6	250.4	31,200	52.1	255.8	28,100							155
160	30.0	214.0	26,300*	36.6	229.5	29,400*	40.1	236.6	31,600*	45.3	245.6	29,600	49.9	251.7	26,700							160
165	26.4	204.4	24,900*	33.6	222.2	27,900*	37.3	230.2	29,900*	42.8	240.3	28,200	47.7	247.2	25,300	52.0	251.4	22,500				165
170	22.2	193.1	23,700*	30.4	214.1	26,500*	34.4	223.2	28,300*	40.3	234.6	26,900	45.3	242.4	24,100	49.8	247.3	21,400				170
175	17.1	178.8	22,000*	26.8	204.8	25,100*	31.3	215.3	26,800*	37.5	228.3	25,600	42.9	237.2	22,900	47.6	242.9	20,300				175
180	9.5	156.8	19,100*	22.7	193.7	23,800*	27.8	206.4	25,500*	34.7	221.4	24,400	40.3	231.5	21,800	45.2	238.0	19,200				180
185				17.8	179.9	22,700*	23.9	195.8	24,200*	31.5	213.6	23,300	37.6	225.2	20,700	42.8	232.8	18,300	47.3	237.3	15,900	185
190				10.7	159.5	20,700*	19.2	182.9	23,000*	28.1	204.7	22,200	34.7	218.2	19,800	40.2	227.0	17,400	45.0	232.4	15,000	190
195							13.0	165.0	21,800*	24.2	194.3	21,200	31.6	210.5	18,800	37.5	220.7	16,500	42.5	227.1	14,200	195
200										19.6	181.6	20,200	28.2	201.6	17,900	34.6	213.8	15,700	39.9	221.3	13,500	200
205										13.5	164.3	19,200	24.3	191.3	17,100	31.5	206.0	14,900	37.2	214.9	12,700	205
210													19.8	178.7	16,200	28.1	197.1	14,100	34.3	207.9	12,000	210
215													13.8	161.6	15,400	24.2	186.7	13,400	31.1	199.9	11,400	215
220																19.6	173.9	12,700	27.6	190.9	10,700	220
225																13.5	156.6	12,000	23.7	180.3	10,100	225
230																			18.9	167.2	9,500	230
235																			12.5	148.9	8,900	235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

120 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.0	303.6	76,400*																			60
65	73.3	302.2	74,300*																			65
70	71.6	300.6	72,200*																			70
75	70.0	298.8	70,100*																			75
80	68.2	296.8	67,600*																			80
85	66.5	294.7	64,900*	70.2	298.1	70,700*																85
90	64.8	292.4	62,200*	68.5	296.1	68,300*																90
95	63.0	289.9	58,100*	66.7	294.0	65,700*																95
100	61.2	287.2	53,900*	65.0	291.8	63,200*	67.2	293.6	63,600													100
105	59.3	284.3	50,100*	63.2	289.3	58,700*	65.5	291.4	59,500													105
110	57.5	281.2	46,700*	61.4	286.6	54,400*	63.7	288.9	55,700													110
115	55.5	277.8	43,700*	59.6	283.7	50,600*	61.9	286.3	52,300													115
120	53.6	274.2	40,900*	57.7	280.6	47,100*	60.1	283.5	49,300													120
125	51.6	270.3	38,400*	55.8	277.3	44,100*	58.2	280.5	46,500	62.0	284.1	42,400										125
130	49.5	266.2	36,100*	53.8	273.7	41,300*	56.3	277.2	43,900	60.2	281.3	40,000										130
135	47.4	261.7	34,000*	51.8	269.9	38,700*	54.4	273.7	41,500	58.3	278.3	37,800										135
140	45.1	256.8	32,100*	49.8	265.7	36,400*	52.4	269.9	39,400*	56.4	275.0	35,800										140
145	42.8	251.5	30,300*	47.6	261.3	34,300*	50.3	265.8	37,000*	54.5	271.5	33,900										145
150	40.4	245.8	28,700*	45.4	256.5	32,400*	48.2	261.5	34,900*	52.5	267.8	32,200	56.5	271.8	28,900							150
155	37.9	239.6	27,200*	43.1	251.3	30,600*	46.0	256.8	32,900*	50.5	263.7	30,500	54.6	268.3	27,400							155
160	35.2	232.7	25,700*	40.7	245.6	28,900*	43.7	251.7	31,000*	48.4	259.4	29,000	52.6	264.6	26,000							160
165	32.3	225.1	24,400*	38.2	239.4	27,400*	41.4	246.1	29,300*	46.2	254.7	27,600	50.5	260.5	24,600							165
170	29.1	216.6	23,100*	35.5	232.7	25,900*	38.9	240.1	27,800*	43.9	249.6	26,200	48.4	256.2	23,400	52.5	260.2	20,600				170
175	25.6	206.7	22,000*	32.6	225.2	24,600*	36.2	233.5	26,300*	41.5	244.2	25,000	46.2	251.5	22,200	50.4	256.2	19,500				175
180	21.5	195.0	20,900*	29.5	216.7	23,300*	33.4	226.2	24,900*	39.1	238.2	23,800	44.0	246.5	21,100	48.3	251.8	18,500				180
185	16.6	180.2	19,400*	26.1	207.1	22,100*	30.4	218.0	23,700*	36.4	231.6	22,700	41.6	241.0	20,100	46.2	247.2	17,600				185
190	9.2	157.6	16,700*	22.1	195.7	21,000*	27.0	208.8	22,500*	33.6	224.4	21,600	39.1	235.0	19,100	43.9	242.1	16,700				190
195				17.3	181.4	20,000*	23.2	197.9	21,300*	30.6	216.3	20,600	36.5	228.5	18,200	41.5	236.6	15,800	45.9	241.5	13,500	195
200				10.4	160.4	18,200*	18.7	184.5	20,300*	27.3	207.1	19,600	33.7	221.3	17,300	39.0	230.6	15,000	43.6	236.4	12,700	200
205							12.6	166.1	19,200*	23.5	196.4	18,700	30.7	213.2	16,400	36.4	224.0	14,200	41.2	230.9	12,000	205
210										19.0	183.3	17,800	27.4	204.0	15,600	33.6	216.8	13,500	38.7	224.8	11,300	210
215										13.2	165.4	17,000	23.6	193.4	14,900	30.6	208.7	12,700	36.1	218.2	10,700	215
220													19.2	180.3	14,100	27.2	199.5	12,100	33.3	210.9	10,100	220
225													13.3	162.7	13,400	23.5	188.7	11,400	30.2	202.6	9,500	225
230																19.0	175.6	10,800	26.8	193.3	8,900	230
235																13.1	157.7	10,100				
240																			23.0	182.3	8,300	235
245																			18.4	168.8	7,800	240
																			12.2	149.9	7,200	245

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

120 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.8	314.0	70,400*																			60
65	74.2	312.6	69,700*																			65
70	72.6	311.1	67,800*																			70
75	71.1	309.4	65,500*																			75
80	69.5	307.6	63,200*																			80
85	67.8	305.6	60,700*																			85
90	66.2	303.4	58,300*	69.7	306.9	63,700*																90
95	64.5	301.1	55,800*	68.0	304.9	61,400*																95
100	62.8	298.6	53,400*	66.4	302.8	59,000*																100
105	61.1	295.9	49,600*	64.7	300.4	56,600*	66.8	302.3	58,900													105
110	59.4	293.0	46,200*	63.0	298.0	53,900*	65.2	300.1	55,100													110
115	57.6	289.9	43,200*	61.3	295.3	50,100*	63.5	297.6	51,800													115
120	55.8	286.5	40,400*	59.6	292.4	46,600*	61.8	295.0	48,700													120
125	53.9	283.0	37,900*	57.8	289.3	43,600*	60.1	292.2	45,900													125
130	52.0	279.1	35,600*	56.0	286.0	40,800*	58.3	289.1	43,300	61.9	292.8	39,400										130
135	50.1	275.0	33,500*	54.2	282.5	38,200*	56.5	285.9	41,000	60.2	290.0	37,200										135
140	48.1	270.6	31,600*	52.3	278.7	35,900*	54.7	282.4	38,800	58.4	286.9	35,200										140
145	46.0	265.9	29,800*	50.3	274.6	33,800*	52.8	278.7	36,500*	56.6	283.7	33,300										145
150	43.9	260.8	28,200*	48.3	270.3	31,900*	50.9	274.7	34,400*	54.8	280.3	31,600										150
155	41.6	255.4	26,700*	46.3	265.6	30,100*	48.9	270.4	32,400*	52.9	276.6	29,900	56.7	280.5	26,800							155
160	39.3	249.4	25,200*	44.1	260.5	28,400*	46.8	265.8	30,500*	51.0	272.6	28,400	54.9	277.0	25,300							160
165	36.8	242.9	23,900*	41.9	255.1	26,900*	44.7	260.9	28,800*	49.0	268.3	27,000	53.0	273.3	24,000							165
170	34.2	235.8	22,700*	39.6	249.2	25,400*	42.5	255.6	27,300*	47.0	263.8	25,700	51.1	269.4	22,800							170
175	31.4	227.9	21,500*	37.1	242.8	24,100*	40.2	249.8	25,800*	44.9	258.9	24,400	49.1	265.1	21,600	52.9	269.0	18,900				175
180	28.3	219.1	20,400*	34.5	235.8	22,800*	37.8	243.5	24,400*	42.7	253.6	23,200	47.0	260.6	20,500	51.0	265.0	17,900				180
185	24.9	208.9	19,300*	31.7	228.0	21,600*	35.2	236.7	23,200*	40.4	247.9	22,100	44.9	255.7	19,500	49.0	260.8	16,900				185
190	21.0	196.9	18,400*	28.7	219.3	20,500*	32.5	229.1	22,000*	38.0	241.6	21,100	42.7	250.4	18,500	47.0	256.2	16,000				190
195	16.1	181.6	17,000*	25.3	209.3	19,500*	29.5	220.7	20,800*	35.4	234.8	20,100	40.4	244.7	17,600	44.8	251.3	15,200				195
200	8.9	158.3	14,500*	21.5	197.5	18,500*	26.3	211.1	19,800*	32.7	227.3	19,100	38.0	238.5	16,700	42.6	246.0	14,400	46.7	250.6	12,100	200
205				16.8	182.8	17,600*	22.6	199.9	18,800*	29.8	219.0	18,200	35.5	231.7	15,900	40.4	240.3	13,600	44.6	245.7	11,400	205
210				10.1	161.3	16,000*	18.1	186.1	17,800*	26.5	209.5	17,400	32.8	224.2	15,100	37.9	234.1	12,900	29.4	205.3	7,800	210
215							12.2	167.2	16,900*	22.9	198.4	16,500	29.9	215.9	14,300	35.4	227.2	12,200	40.1	234.5	10,100	215
220										18.5	184.9	15,700	26.6	206.4	13,600	32.7	219.7	11,500	37.7	228.2	9,500	220
225										12.8	166.5	14,900	23.0	195.4	12,900	29.7	211.3	10,900	35.1	221.4	8,900	225
230													18.7	182.0	12,200	26.5	201.8	10,200	32.3	213.8	8,300	230
235													13.0	163.8	11,500	22.8	190.7	9,600	28.8	200.3	7,200	235
240																18.5	177.2	9,000	26.1	195.6	7,200	240
245																12.7	158.8	8,500	22.3	184.3	6,700	245
250																			17.9	170.3	6,200	250
255																			11.8	150.9	5,700	255

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207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

120 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.0	323.0	63,000*																			65
70	73.5	321.6	62,400*																			70
75	72.0	320.0	60,900*																			75
80	70.5	318.3	58,600*																			80
85	69.0	316.4	56,300*																			85
90	67.4	314.3	53,900*	70.7	317.5	58,900*																90
95	65.9	312.1	51,500*	69.2	315.7	56,700*																95
100	64.3	309.8	49,100*	67.6	313.7	54,500*																100
105	62.7	307.3	46,800*	66.1	311.5	52,100*																105
110	61.1	304.5	44,500*	64.5	309.1	49,800*	66.5	311.1	52,500*													110
115	59.4	301.6	42,300*	62.9	306.6	47,500*	64.9	308.8	50,300*													115
120	57.7	298.5	39,900*	61.3	303.9	45,200*	63.3	306.3	48,000*													120
125	56.0	295.2	37,400*	59.6	301.1	43,000*	61.7	303.6	45,300													125
130	54.2	291.7	35,100*	57.9	298.0	40,200*	60.1	300.8	42,700													130
135	52.5	287.9	33,000*	56.2	294.7	37,700*	58.4	297.8	40,400	61.8	301.4	36,500										135
140	50.6	283.9	31,100*	54.5	291.2	35,400*	56.7	294.6	38,200	60.2	298.6	34,500										140
145	48.7	279.6	29,300*	52.7	287.5	33,300*	54.9	291.1	36,000*	58.5	295.6	32,600										145
150	46.8	275.0	27,600*	50.8	283.5	31,300*	53.2	287.4	33,800*	56.8	292.4	30,900										150
155	44.8	270.1	26,100*	49.0	279.2	29,500*	51.3	283.5	31,800*	55.1	289.0	29,300										155
160	42.7	264.8	24,700*	47.0	274.6	27,900*	49.5	279.3	30,000*	53.3	285.3	27,800	56.9	289.2	24,600							160
165	40.5	259.1	23,300*	45.0	269.7	26,300*	47.5	274.9	28,300*	51.5	281.4	26,400	55.1	285.8	23,300							165
170	38.2	252.9	22,100*	42.9	264.5	24,900*	45.6	270.1	26,700*	49.6	277.2	25,000	53.3	282.1	22,100							170
175	35.8	246.2	20,900*	40.8	258.8	23,500*	43.5	264.9	25,300*	47.7	272.8	23,800	51.5	278.2	20,900							175
180	33.3	238.8	19,800*	38.5	252.7	22,300*	41.4	259.4	23,900*	45.7	268.0	22,600	49.7	274.0	19,900							180
185	30.5	230.7	18,800*	36.1	246.1	21,100*	39.1	253.4	22,600*	43.7	262.9	21,500	47.7	269.6	18,800	51.5	273.9	16,200				185
190	27.6	221.5	17,800*	33.6	238.8	20,000*	36.8	246.9	21,400*	41.5	257.4	20,500	45.8	264.8	17,900	49.6	269.7	15,300				190
195	24.2	211.1	16,900*	30.9	230.8	18,900*	34.3	239.8	20,300*	39.3	251.4	19,500	43.7	259.7	16,900	47.7	265.2	14,500				195
200	20.4	198.7	16,000*	27.9	221.8	18,000*	31.6	232.0	19,200*	37.0	245.0	18,500	41.6	254.2	16,100	45.7	260.5	13,700				200
205	15.7	183.0	14,800*	24.7	211.5	17,000*	28.8	223.2	18,200*	34.5	237.9	17,600	39.4	248.3	15,200	43.6	255.3	12,900	47.4	259.7	10,700	205
210	8.7	159.1	12,500*	20.9	199.4	16,100*	25.6	213.3	17,300*	31.8	230.2	16,800	37.0	241.9	14,500	41.5	249.8	12,200	45.5	254.8	10,000	210
215				16.3	184.2	15,300*	22.0	201.8	16,400*	29.0	221.5	16,000	34.6	234.8	13,700	39.3	243.9	11,500	43.4	249.7	9,400	215
220				9.8	162.1	13,900*	17.7	187.6	15,500*	25.8	211.7	15,200	31.9	227.1	13,000	36.9	237.4	10,800	41.2	244.1	8,700	220
225							11.9	168.2	14,700*	22.3	200.3	14,400	29.1	218.5	12,300	34.5	230.4	10,200	39.0	238.1	8,200	225
230										18.0	186.4	13,700	25.9	208.7	11,600	31.8	222.6	9,600	36.7	231.6	7,600	230
235										12.5	167.6	13,000	22.4	197.4	11,000	29.0	213.9	9,000	34.2	224.4	7,100	235
240													18.2	183.5	10,400	25.8	204.1	8,400	31.5	216.6	6,600	240
245													12.6	164.9	9,700	22.2	192.7	7,900	28.6	207.8	6,100	245
250																18.0	178.8	7,300	25.4	197.8	5,600	250
255																12.4	159.9	6,800	21.8	186.2	5,100	255
260																			17.4	171.8	4,600	260
265																			11.5	151.9	4,200	265

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

130 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	67.9	204.5	165,500*b																			40
45	63.4	202.1	153,500*b																			45
50	58.6	199.2	140,900*b																			50
55	53.6	195.7	122,700*b																			55
60	48.3	191.5	108,500*	64.7	201.9	155,100*b	66.4	201.6	145,500b													60
65	42.4	186.4	97,000*	55.2	195.8	127,700*b	61.8	199.1	131,400b													65
70	35.8	180.0	87,600*	49.9	191.8	112,400*	57.0	196.0	119,600b													70
75	27.7	171.6	79,700*	44.2	187.0	100,300*	51.9	192.3	109,600	63.0	197.2	104,600b										75
80	16.3	158.5	73,000*	37.9	181.0	90,300*	46.4	187.8	101,100	58.2	194.2	96,500b										80
85				30.4	173.4	82,000*	40.3	182.3	93,700	53.2	190.7	89,400										85
90				20.4	162.3	74,900*	33.3	175.4	84,900*	47.8	186.4	83,300										90
95							24.5	165.9	77,400*	41.9	181.2	77,900	54.2	187.8	74,200							95
100							9.7	148.5	71,000*	35.1	174.6	73,000	48.9	183.7	69,600							100
105										27.0	166.0	68,700	43.1	178.7	65,500							105
110										14.9	152.1	64,700	36.5	172.5	61,700	49.5	179.7	58,700				110
115													28.7	164.3	58,300	43.8	174.8	55,500				115
120													17.9	152.1	55,200	37.4	168.8	52,600				120
125																29.8	160.9	49,900	44.0	169.6	47,400	125
130																19.5	149.5	47,400	37.6	163.6	45,100	130
135																			30.1	155.8	42,900	135
140																			20.0	144.6	40,900	140

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

130 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	70.8	215.2	159,600*b																			40
45	66.9	213.2	149,800*b																			45
50	62.9	210.8	138,600*b																			50
55	58.8	207.9	123,400*	68.1	212.8	150,000*b																55
60	54.5	204.5	109,100*	64.1	210.5	140,700*b																60
65	49.9	200.5	97,500*	60.0	207.8	128,500*b	65.6	210.3	130,900b													65
70	44.9	195.7	88,000*	55.8	204.5	113,100*	61.6	207.8	119,100b													70
75	39.5	190.0	80,100*	51.3	200.7	100,800*	57.4	204.7	109,200													75
80	33.3	183.0	73,300*	46.4	196.2	90,700*	53.0	201.1	100,700	62.6	205.8	95,900b										80
85	25.9	173.9	67,500*	41.2	190.8	82,300*	48.3	196.8	93,400	58.4	202.9	88,900										85
90	15.2	159.8	62,400*	35.3	184.2	75,300*	43.2	191.8	85,300*	54.1	199.4	82,800										90
95				28.3	175.9	69,200*	37.5	185.7	77,800*	49.5	195.4	77,400										95
100				19.0	163.9	63,900*	31.0	178.1	71,300*	44.5	190.5	72,600	54.9	196.6	69,000							100
105							22.9	167.9	65,800*	39.0	184.7	68,300	50.4	192.6	64,900							105
110							9.0	149.2	60,800*	32.7	177.6	64,400	45.5	188.0	61,200							110
115										25.1	168.2	60,900	40.1	182.4	57,900	51.0	188.6	54,900				115
120										13.8	153.3	57,600	34.0	175.5	54,900	46.1	184.1	52,000				120
125													26.8	166.7	52,100	40.8	178.6	49,400				125
130													16.7	153.5	49,400	34.8	171.9	47,000	46.3	178.8	44,500	130
135																27.8	163.4	44,700	41.0	173.4	42,400	135
140																18.2	151.1	42,600	35.1	166.8	40,400	140
145																			28.0	158.3	38,500	145
150																			18.6	146.2	36,800	150

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

130 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	73.0	225.8	153,700*b																			40
45	69.6	224.0	144,900*b																			45
50	66.2	221.9	135,400*b																			50
55	62.6	219.4	124,000*	70.6	223.6	145,000*b																55
60	58.9	216.6	109,500*	67.2	221.6	137,500*b																60
65	55.1	213.2	97,900*	63.7	219.2	128,200*																65
70	51.1	209.3	88,300*	60.0	216.4	113,600*	65.0	219.0	118,700b													70
75	46.8	204.8	80,300*	56.3	213.2	101,200*	61.4	216.4	108,800													75
80	42.2	199.6	73,500*	52.3	209.5	91,000*	57.7	213.4	100,300													80
85	37.1	193.4	67,600*	48.1	205.2	82,600*	53.8	209.9	93,000	62.3	214.5	88,500										85
90	31.3	185.8	62,500*	43.6	200.2	75,400*	49.7	205.8	85,500*	58.6	211.6	82,400										90
95	24.3	176.0	58,000*	38.7	194.4	69,300*	45.3	201.1	78,000*	54.8	208.2	77,000										95
100	14.2	161.0	54,000*	33.1	187.2	64,000*	40.6	195.5	71,500*	50.7	204.2	72,200										100
105				26.6	178.2	59,400*	35.3	188.9	65,900*	46.4	199.7	67,900	55.5	205.3	64,500							105
110				17.9	165.5	55,200*	29.2	180.7	61,000*	41.8	194.4	64,100	51.5	201.5	60,800							110
115							21.5	169.8	56,700*	36.6	188.1	60,600	47.3	197.1	57,500							115
120							8.4	149.9	52,900*	30.8	180.4	57,400	42.7	191.9	54,500	52.0	197.4	51,600				120
125										23.6	170.3	54,500	37.7	185.8	51,700	47.8	193.1	49,000				125
130										13.0	154.4	51,700	32.0	178.4	49,200	43.3	188.1	46,600				130
135													25.2	168.9	46,800	38.3	182.1	44,300	48.0	187.9	41,900	135
140													15.6	154.8	44,600	32.7	174.9	42,300	43.5	182.8	40,000	140
145																26.1	165.7	40,400	38.5	176.9	38,100	145
150																17.1	152.5	38,500	33.0	169.7	36,500	150
155																			26.4	160.7	34,900	155
160																			17.5	147.7	33,300	160

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

130 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	74.7	236.3	147,700*b																			40
45	71.7	234.7	139,700*b																			45
50	68.7	232.8	132,000*b																			50
55	65.6	230.6	123,100*																			55
60	62.3	228.1	109,600*	69.6	232.4	132,800*b																60
65	59.0	225.2	97,900*	66.5	230.3	125,400*																65
70	55.6	221.9	88,300*	63.3	227.9	113,700*	67.6	230.0	118,200													70
75	52.0	218.2	80,200*	60.0	225.1	101,200*	64.5	227.7	108,300													75
80	48.2	213.9	73,400*	56.6	221.9	91,000*	61.3	225.1	99,900													80
85	44.2	209.0	67,500*	53.1	218.3	82,500*	57.9	222.0	92,500													85
90	39.9	203.3	62,400*	49.4	214.2	75,300*	54.4	218.6	85,500*	62.1	223.1	81,800										90
95	35.1	196.6	57,900*	45.5	209.5	69,200*	50.8	214.7	77,900*	58.7	220.2	76,500										95
100	29.6	188.5	53,900*	41.2	204.0	63,900*	46.9	210.2	71,400*	55.3	216.9	71,700										100
105	23.0	178.0	50,400*	36.6	197.7	59,200*	42.8	205.0	65,800*	51.7	213.1	67,400										105
110	13.5	162.2	47,100*	31.4	190.1	55,100*	38.4	199.1	60,900*	47.9	208.8	63,600	56.0	214.0	60,200							110
115				25.2	180.5	51,400*	33.4	191.9	56,600*	43.9	203.8	60,100	52.4	210.3	56,900							115
120				16.9	166.9	48,100*	27.6	183.2	52,700*	39.5	198.0	57,000	48.7	206.1	53,900							120
125							20.3	171.5	49,300*	34.7	191.2	54,100	44.7	201.2	51,200	52.9	206.2	48,400				125
130							7.9	150.5	46,200*	29.1	182.9	51,400	40.4	195.6	48,700	49.1	202.1	46,000				130
135										22.3	172.2	48,900	35.6	189.1	46,400	45.2	197.3	43,800				135
140										12.3	155.4	46,600	30.3	181.1	44,200	40.9	191.8	41,800				140
145													23.8	171.0	42,200	36.3	185.4	39,900	45.3	192.1	37,600	145
150													14.8	156.1	40,300	31.0	177.7	38,100	41.1	186.6	35,900	150
155																24.7	167.9	36,400	36.4	180.2	34,300	155
160																16.2	153.9	34,800	31.2	172.5	32,900	160
165																			24.9	162.9	31,500	165
170																			16.6	149.1	30,200	170

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M-250 SERIES 2

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LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

130 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	73.5	245.2	133,700*																			45
50	70.7	243.5	126,900*																			50
55	67.9	241.6	119,800*																			55
60	65.1	239.3	112,300*																			60
65	62.1	236.8	100,700*	68.8	241.2	121,600*																65
70	59.1	233.9	90,700*	65.9	239.0	114,600*																70
75	56.0	230.6	82,400*	63.0	236.5	104,100*	67.0	238.7	107,800													75
80	52.8	227.0	75,300*	60.0	233.8	93,500*	64.1	236.4	99,400													80
85	49.4	222.8	69,300*	57.0	230.6	84,800*	61.1	233.7	92,100													85
90	45.8	218.1	64,000*	53.8	227.1	77,400*	58.1	230.7	85,700													90
95	42.0	212.8	59,400*	50.4	223.1	71,000*	55.0	227.3	80,000*	61.9	231.8	75,900										95
100	37.9	206.7	55,300*	46.9	218.6	65,500*	51.7	223.5	73,300*	58.9	228.9	71,200										100
105	33.4	199.6	51,600*	43.2	213.5	60,700*	48.2	219.2	67,500*	55.7	225.6	66,900										105
110	28.2	191.0	48,400*	39.2	207.6	56,500*	44.6	214.3	62,400*	52.5	221.9	63,100										110
115	21.9	179.9	45,400*	34.8	200.8	52,700*	40.7	208.8	58,000*	49.1	217.7	59,700	56.4	222.7	56,400							115
120	12.8	163.2	41,500*	29.8	192.7	49,300*	36.5	202.4	54,100*	45.5	213.0	56,500	53.1	219.1	53,400							120
125				23.9	182.6	46,300*	31.7	194.8	50,600*	41.7	207.6	53,700	49.8	215.0	50,700							125
130				16.1	168.3	43,500*	26.3	185.5	47,400*	37.6	201.4	51,000	46.2	210.4	48,200							130
135							19.3	173.2	44,500*	33.0	194.2	48,600	42.5	205.1	45,900	50.2	211.0	43,300				135
140							7.5	151.1	41,600*	27.7	185.4	46,300	38.4	199.1	43,800	46.7	206.4	41,200				140
145										21.3	174.1	44,200	33.9	192.1	41,800	42.9	201.3	39,400				145
150										11.7	156.4	42,200	28.8	183.7	39,900	38.9	195.4	37,600	46.8	201.2	35,400	150
155													22.6	173.0	38,200	34.5	188.5	36,000	43.1	196.1	33,800	155
160													14.1	157.3	36,500	29.5	180.3	34,500	39.1	190.2	32,400	160
165																23.5	170.0	33,000	34.7	183.4	31,000	165
170																15.4	155.2	31,600	29.7	175.2	29,800	170
175																			23.7	165.0	28,500	175
180																			15.8	150.5	27,400	180

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

130 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.9	255.6	124,800*																			45
50	72.4	254.1	120,300*																			50
55	69.8	252.3	116,000*																			55
60	67.3	250.3	109,700*																			60
65	64.6	248.0	100,400*	70.6	251.9	117,300*																65
70	62.0	245.4	90,400*	68.0	249.9	111,900*																70
75	59.2	242.5	82,000*	65.4	247.7	103,800*																75
80	56.4	239.3	75,000*	62.8	245.2	93,200*	66.4	247.5	98,900													80
85	53.4	235.7	68,900*	60.0	242.4	84,400*	63.8	245.1	91,600													85
90	50.4	231.7	63,600*	57.2	239.3	77,000*	61.0	242.4	85,200													90
95	47.2	227.2	59,000*	54.3	235.8	70,600*	58.3	239.4	79,600													95
100	43.8	222.2	54,900*	51.3	231.9	65,100*	55.4	236.0	72,900*	61.7	240.5	70,600										100
105	40.2	216.5	51,200*	48.1	227.6	60,300*	52.4	232.3	67,100*	59.0	237.6	66,400										105
110	36.2	210.0	48,000*	44.8	222.7	56,100*	49.3	228.2	62,000*	56.1	234.3	62,600										110
115	31.9	202.5	45,000*	41.3	217.3	52,300*	46.0	223.5	57,600*	53.2	230.7	59,200										115
120	27.0	193.4	42,300*	37.4	211.0	48,900*	42.6	218.3	53,700*	50.1	226.6	56,000	56.7	231.4	52,900							120
125	20.9	181.8	39,900*	33.3	203.8	45,900*	38.9	212.3	50,100*	46.9	222.1	53,200	53.7	227.8	50,100							125
130	12.2	164.3	36,600*	28.5	195.3	43,100*	34.8	205.5	47,000*	43.5	217.0	50,500	50.7	223.9	47,700							130
135				22.9	184.6	40,600*	30.3	197.5	44,100*	39.8	211.3	48,100	47.5	219.4	45,400							135
140				15.4	169.6	38,300*	25.1	187.7	41,500*	35.9	204.7	45,900	44.1	214.5	43,200	51.1	219.8	40,700				140
145							18.5	174.8	39,200*	31.5	197.0	43,800	40.6	208.9	41,300	47.9	215.5	38,800				145
150							7.2	151.7	36,800*	26.5	187.8	41,900	36.7	202.5	39,500	44.6	210.6	37,100				150
155										20.3	175.9	39,800*	32.4	195.0	37,700	41.0	205.1	35,500	48.0	210.2	33,200	155
160										11.2	157.3	37,500*	27.5	186.1	36,100	37.2	198.8	33,900	44.7	205.3	31,800	160
165													21.6	174.9	34,600	32.9	191.5	32,500	41.1	199.8	30,500	165
170													13.4	158.5	33,200	28.2	182.8	31,200	37.3	193.6	29,200	170
175																22.4	171.9	29,900	33.1	186.3	28,000	175
180																14.7	156.5	28,700	28.4	177.7	26,900	180
185																			22.7	166.9	25,800	185
190																			15.0	151.8	24,800	190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

130 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	73.8	264.6	111,400*																			50
55	71.5	263.0	107,600*																			55
60	69.1	261.1	103,900*																			60
65	66.7	259.0	100,400*																			65
70	64.3	256.7	91,100*	69.8	260.7	106,200*																70
75	61.8	254.1	82,600*	67.4	258.7	100,600																75
80	59.3	251.2	75,400*	65.0	256.4	92,400																80
85	56.6	248.0	69,200*	62.6	253.9	85,000*	65.9	256.2	81,500													85
90	53.9	244.5	63,800*	60.0	251.1	77,400*	63.5	253.7	75,600													90
95	51.2	240.6	59,200*	57.4	248.0	71,000*	61.0	251.0	70,400													95
100	48.2	236.2	55,000*	54.8	244.5	65,400*	58.4	248.1	65,700													100
105	45.2	231.4	51,300*	52.0	240.7	60,500*	55.8	244.8	61,600	61.6	249.1	56,600										105
110	41.9	226.1	48,000*	49.1	236.6	56,200*	53.0	241.1	57,900	59.0	246.2	53,200										110
115	38.5	220.0	45,100*	46.1	231.9	52,400*	50.2	237.1	54,500	56.4	243.0	50,000										115
120	34.7	213.2	42,400*	42.9	226.7	49,000*	47.2	232.6	51,400	53.7	239.4	47,200										120
125	30.6	205.2	39,900*	39.6	220.9	45,900*	44.1	227.6	48,600	50.9	235.5	44,600	56.9	240.1	40,500							125
130	25.9	195.7	37,700*	35.9	214.3	43,200*	40.8	222.0	46,000	48.0	231.1	42,200	54.2	236.6	38,300							130
135	20.1	183.5	35,600*	31.9	206.7	40,700*	37.3	215.7	43,700	44.9	226.3	40,000	51.5	232.7	36,300							135
140	11.7	165.3	32,600*	27.4	197.7	38,300*	33.4	208.5	41,400*	41.7	220.8	37,900	48.6	228.4	34,400							140
145				21.9	186.5	36,200*	29.1	200.1	39,000*	38.2	214.8	36,000	45.5	223.7	32,600	51.8	228.7	29,300				145
150				14.7	170.9	34,300*	24.1	189.9	36,900*	34.4	207.8	34,300	42.3	218.4	31,000	48.9	224.4	27,800				150
155							17.7	176.4	34,900*	30.2	199.7	32,600	38.9	212.4	29,500	45.9	219.8	26,400				155
160							6.9	152.3	32,800*	25.4	190.0	31,100	35.2	205.6	28,100	42.7	214.5	25,100				160
165										19.5	177.6	29,600	31.1	197.8	26,700	39.3	208.7	23,900	46.0	214.5	21,100	165
170										10.7	158.2	28,100	26.4	188.5	25,400	35.6	202.0	22,700	42.8	209.3	20,100	170
175													20.8	176.7	24,200	31.6	194.3	21,600	39.4	203.5	19,100	175
180													12.9	159.6	23,100	27.0	185.2	20,600	35.8	196.8	18,100	180
185																21.5	173.8	19,600	31.8	189.2	17,200	185
190																14.1	157.7	18,600	27.2	180.1	16,300	190
195																			21.8	168.9	15,500	195
200																			14.4	153.0	14,700	200

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

130 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.0	275.0	104,100*																			50
55	72.8	273.5	100,700*																			55
60	70.7	271.8	97,400*																			60
65	68.5	269.9	94,200*																			65
70	66.3	267.8	90,700*																			70
75	64.0	265.4	82,100*	69.1	269.5	96,200*																75
80	61.7	262.8	74,900*	66.9	267.4	91,800																80
85	59.3	259.9	68,800*	64.7	265.1	84,600*	67.7	267.1	80,900													85
90	56.9	256.7	63,400*	62.4	262.5	77,000*	65.5	264.9	75,000													90
95	54.4	253.2	58,700*	60.0	259.7	70,600*	63.2	262.4	69,700													95
100	51.8	249.4	54,600*	57.6	256.7	65,000*	60.9	259.7	65,100													100
105	49.1	245.2	50,900*	55.2	253.3	60,100*	58.5	256.7	61,000													105
110	46.4	240.6	47,600*	52.6	249.5	55,800*	56.1	253.4	57,200	61.5	257.8	52,400										110
115	43.4	235.4	44,600*	50.0	245.5	52,000*	53.5	249.9	53,900	59.1	254.9	49,300										115
120	40.3	229.8	41,900*	47.2	241.0	48,600*	50.9	245.9	50,800	56.7	251.7	46,500										120
125	37.0	223.4	39,400*	44.3	236.0	45,500*	48.2	241.6	48,000	54.2	248.2	43,900										125
130	33.4	216.2	37,200*	41.3	230.5	42,700*	45.4	236.8	45,500	51.6	244.3	41,500	57.2	248.7	37,600							130
135	29.4	207.8	35,100*	38.0	224.4	40,200*	42.4	231.5	43,100	48.9	240.1	39,300	54.7	245.3	35,500							135
140	24.9	197.9	33,200*	34.5	217.4	37,900*	39.3	225.6	40,900	46.1	235.4	37,300	52.1	241.5	33,700							140
145	19.3	185.2	31,500*	30.7	209.4	35,800*	35.9	219.0	38,700*	43.2	230.3	35,400	49.4	237.3	31,900							145
150	11.3	166.2	28,900*	26.3	200.0	33,800*	32.1	211.4	36,500*	40.1	224.5	33,600	46.7	232.8	30,300	52.4	237.5	27,100				150
155				21.1	188.4	32,000*	28.0	202.6	34,500*	36.7	218.1	32,000	43.8	227.7	28,800	49.8	233.4	25,700				155
160				14.2	172.1	30,300*	23.2	191.9	32,700*	33.1	210.8	30,500	40.7	222.1	27,400	47.0	228.8	24,400				160
165							17.1	177.8	31,000*	29.1	202.3	29,000	37.4	215.8	26,100	44.1	223.8	23,100				165
170							6.6	152.8	29,200*	24.4	192.2	27,700	33.8	208.7	24,800	41.1	218.3	22,000				170
175										18.8	179.2	26,400	29.9	200.5	23,600	37.8	212.1	20,900	47.1	223.6	19,300	175
180										10.3	159.1	25,100	25.4	190.7	22,500	34.3	205.1	19,900	44.2	218.6	18,300	180
185													20.0	178.4	21,400	30.4	197.0	18,900	41.2	213.1	17,400	185
190													12.4	160.6	20,400	26.0	187.5	18,000	37.9	206.9	16,500	190
195																20.7	175.6	17,100	34.4	199.9	15,600	195
200																13.6	158.9	16,200	30.6	191.9	14,800	200
205																			26.2	182.5	14,000	205
210																			20.9	170.7	13,300	210
																			13.9	154.2	12,600	210

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

130 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	76.0	285.4	98,700*																			50
55	74.0	284.0	95,900*																			55
60	72.0	282.4	93,100*																			60
65	70.0	280.6	90,300*																			65
70	67.9	278.7	87,700*																			70
75	65.8	276.5	83,000*	70.6	280.2	91,800*																75
80	63.7	274.1	75,700*	68.5	278.2	89,400*																80
85	61.6	271.4	69,400*	66.5	276.1	84,200																85
90	59.4	268.5	64,000*	64.4	273.8	77,800*	67.2	275.8	74,300													90
95	57.1	265.4	59,200*	62.2	271.2	71,200*	65.1	273.6	69,100													95
100	54.8	261.9	55,000*	60.0	268.4	65,600*	63.0	271.1	64,500													100
105	52.4	258.2	51,300*	57.8	265.3	60,600*	60.8	268.4	60,300													105
110	49.9	254.1	47,900*	55.5	262.0	56,300*	58.6	265.4	56,600													110
115	47.4	249.6	44,900*	53.1	258.3	52,400*	56.3	262.1	53,300	61.4	266.5	48,600										115
120	44.7	244.7	42,200*	50.7	254.3	48,900*	54.0	258.6	50,200	59.2	263.5	45,800										120
125	41.9	239.3	39,700*	48.1	250.0	45,800*	51.6	254.7	47,400	56.9	260.4	43,200										125
130	38.9	233.3	37,400*	45.5	245.2	43,000*	49.1	250.5	44,900	54.6	256.9	40,800										130
135	35.7	226.6	35,400*	42.7	239.9	40,500*	46.5	245.9	42,500	52.2	253.1	38,700	57.3	257.4	34,900							135
140	32.2	219.1	33,400*	39.8	234.1	38,100*	43.8	240.8	40,300	49.7	249.0	36,600	55.0	254.0	33,000							140
145	28.4	210.4	31,700*	36.7	227.7	36,000*	40.9	235.3	38,300	47.1	244.5	34,800	52.7	250.3	31,300							145
150	24.0	200.0	30,000*	33.3	220.4	34,000*	37.9	229.1	36,500	44.5	239.5	33,000	50.2	246.2	29,700							150
155	18.6	186.8	28,400*	29.6	212.1	32,200*	34.6	222.1	34,700*	41.6	234.1	31,400	47.6	241.8	28,200	53.0	246.2	25,000				155
160	10.9	167.1	24,800*	25.4	202.3	30,500*	31.0	214.2	32,900*	38.6	228.0	29,900	45.0	236.9	26,800	50.5	242.2	23,700				160
165				20.4	190.1	28,900*	27.0	205.0	31,100*	35.4	221.3	28,500	42.2	231.6	25,400	48.0	237.8	22,500				165
170				13.7	173.3	27,300*	22.4	193.9	29,500*	31.9	213.6	27,100	39.2	225.7	24,200	45.3	233.0	21,300				170
175							16.5	179.3	28,000*	28.1	204.8	25,900	36.1	219.1	23,000	42.5	227.8	20,300				175
180							6.4	153.3	25,200*	23.6	194.2	24,700	32.6	211.6	21,900	39.6	221.9	19,300	45.4	227.8	16,700	180
185										18.1	180.8	23,500	28.8	203.1	20,900	36.5	215.4	18,300	42.6	222.5	15,800	185
190										9.9	160.0	22,400	24.5	192.9	19,900	33.1	208.1	17,400	39.7	216.7	15,000	190
195													19.3	180.1	18,900	29.3	199.7	16,500	36.6	210.2	14,200	195
200													12.0	161.6	18,000	25.1	189.7	15,700	33.2	202.9	13,400	200
205																20.0	177.4	14,900	29.5	194.6	12,700	205
210																13.1	160.0	14,100	25.2	184.7	12,000	210
215																			20.2	172.5	11,300	215
220																			13.4	155.4	10,700	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

130 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.0	294.4	88,500*																			55
60	73.2	292.9	86,000*																			60
65	71.3	291.3	83,500*																			65
70	69.4	289.4	81,000*																			70
75	67.4	287.4	78,700*																			75
80	65.5	285.2	76,000*	70.0	289.0	82,400*																80
85	63.5	282.7	69,600*	68.0	287.0	80,200*																85
90	61.5	280.1	64,100*	66.1	284.8	77,400*																90
95	59.4	277.2	59,200*	64.1	282.5	71,500*	66.8	284.6	68,400													95
100	57.3	274.1	55,000*	62.1	279.9	65,700*	64.8	282.3	63,800													100
105	55.1	270.6	51,200*	60.0	277.1	60,700*	62.8	279.8	59,700													105
110	52.9	267.0	47,800*	57.9	274.0	56,200*	60.8	277.0	56,000													110
115	50.6	262.9	44,700*	55.8	270.7	52,300*	58.7	274.1	52,600													115
120	48.2	258.6	41,900*	53.6	267.1	48,800*	56.6	270.8	49,600	61.3	275.1	45,100										120
125	45.8	253.9	39,400*	51.3	263.2	45,600*	54.4	267.3	46,800	59.2	272.2	42,500										125
130	43.2	248.7	37,100*	48.9	258.9	42,800*	52.1	263.5	44,300	57.1	269.0	40,100										130
135	40.5	243.0	35,000*	46.5	254.3	40,200*	49.8	259.4	41,900	54.9	265.6	38,000										135
140	37.6	236.7	33,100*	44.0	249.3	37,800*	47.4	254.9	39,700	52.7	261.9	36,000	57.5	266.1	32,200							140
145	34.5	229.7	31,300*	41.3	243.7	35,700*	44.9	250.1	37,700	50.4	257.9	34,100	55.4	262.7	30,500							145
150	31.2	221.9	29,600*	38.5	237.6	33,700*	42.3	244.7	35,900	48.0	253.5	32,400	53.1	259.1	28,900							150
155	27.5	212.8	28,100*	35.5	230.9	31,800*	39.5	238.9	34,100	45.5	248.7	30,800	50.9	255.1	27,400							155
160	23.2	202.0	26,700*	32.2	223.3	30,200*	36.6	232.4	32,500*	43.0	243.5	29,300	48.5	250.8	26,000							160
165	18.0	188.4	25,200*	28.6	214.6	28,600*	33.4	225.1	30,800*	40.2	237.8	27,800	46.0	246.1	24,700	51.1	251.1	21,700				165
170	10.5	168.0	22,000*	24.6	204.4	27,100*	30.0	216.9	29,200*	37.3	231.4	26,500	43.5	241.0	23,500	48.8	246.8	20,600				170
175				19.7	191.9	25,700*	26.1	207.3	27,600*	34.2	224.4	25,300	40.8	235.3	22,400	46.3	242.2	19,500				175
180				13.2	174.4	24,300*	21.6	195.8	26,200*	30.9	216.4	24,100	37.9	229.1	21,300	43.8	237.1	18,500				180
185							15.9	180.6	24,900*	27.1	207.2	23,000	34.9	222.2	20,200	41.1	231.5	17,600	46.4	236.9	15,000	185
190							6.1	153.8	22,400*	22.8	196.3	21,900	31.6	214.5	19,300	38.3	225.4	16,700	43.9	231.8	14,200	190
195										17.5	182.3	20,800	27.9	205.5	18,300	35.3	218.6	15,800	41.2	226.3	13,400	195
200										9.6	160.8	19,800	23.7	195.0	17,400	32.0	210.9	15,000	38.4	220.2	12,700	200
205										18.6	181.8	16,600	18.6	181.8	16,600	28.4	202.2	14,300	35.4	213.4	12,000	205
210													11.6	162.6	15,700	24.3	191.9	13,500	32.1	205.8	11,300	210
215																19.3	179.1	12,800	28.5	197.1	10,700	215
220																12.6	161.1	12,100	24.4	186.8	10,000	220
225																			19.5	174.2	9,400	225
230																			12.9	156.5	8,800	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

130 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.9	304.7	83,000*																			55
60	74.2	303.3	80,800*																			60
65	72.4	301.8	78,600*																			65
70	70.6	300.1	76,400*																			70
75	68.8	298.2	74,100*																			75
80	67.0	296.1	72,000*																			80
85	65.2	293.9	69,300*	69.4	297.8	75,400*																85
90	63.3	291.4	63,800*	67.6	295.8	73,400*																90
95	61.4	288.7	58,900*	65.7	293.5	71,000*																95
100	59.4	285.9	54,700*	63.9	291.1	65,400*	66.4	293.3	63,400													100
105	57.5	282.7	50,900*	62.0	288.5	60,400*	64.5	291.0	59,300													105
110	55.4	279.4	47,500*	60.0	285.7	55,900*	62.7	288.4	55,600													110
115	53.3	275.7	44,400*	58.0	282.7	52,000*	60.7	285.7	52,200													115
120	51.2	271.8	41,600*	56.0	279.4	48,500*	58.8	282.7	49,200													120
125	49.0	267.5	39,100*	54.0	275.8	45,300*	56.8	279.5	46,400	61.2	283.8	42,100										125
130	46.7	262.9	36,800*	51.8	272.0	42,500*	54.7	276.1	43,900	59.3	280.9	39,800										130
135	44.3	258.0	34,700*	49.6	267.8	39,900*	52.6	272.3	41,500	57.3	277.7	37,600										135
140	41.8	252.5	32,800*	47.4	263.3	37,500*	50.5	268.3	39,400	55.2	274.3	35,600										140
145	39.2	246.6	31,000*	45.0	258.5	35,400*	48.2	263.9	37,400	53.2	270.7	33,700	57.7	274.8	30,100							145
150	36.4	240.0	29,300*	42.6	253.2	33,400*	45.9	259.2	35,500	51.0	266.7	32,000	55.6	271.4	28,500							150
155	33.5	232.8	27,800*	40.0	247.4	31,500*	43.5	254.1	33,800	48.8	262.4	30,400	53.6	267.8	27,000							155
160	30.2	224.6	26,400*	37.3	241.0	29,800*	41.0	248.5	32,200*	46.5	257.8	28,900	51.4	263.9	25,700							160
165	26.6	215.2	25,000*	34.4	234.0	28,300*	38.3	242.4	30,500*	44.1	252.8	27,500	49.2	259.7	24,400							165
170	22.5	204.0	23,800*	31.2	226.1	26,800*	35.5	235.6	28,800*	41.6	247.3	26,200	46.9	255.1	23,100	51.7	259.9	20,200				170
175	17.5	189.9	22,400*	27.7	217.1	25,400*	32.4	228.0	27,300*	39.0	241.3	24,900	44.6	250.2	22,000	49.5	255.7	19,200				175
180	10.2	168.9	19,500*	23.8	206.5	24,100*	29.1	219.5	25,900*	36.2	234.7	23,800	42.1	244.8	20,900	47.2	251.2	18,200				180
185				19.1	193.5	22,900*	25.3	209.5	24,600*	33.2	227.4	22,600	39.5	238.9	19,900	44.9	246.3	17,200				185
190				12.8	175.5	21,600*	21.0	197.6	23,400*	29.9	219.1	21,600	36.7	232.5	18,900	42.4	241.0	16,300	47.3	245.9	13,800	190
195							15.4	182.0	22,200*	26.3	209.5	20,600	33.8	225.3	18,000	39.8	235.2	15,500	45.0	241.1	13,100	195
200							5.9	154.3	20,000*	22.1	198.2	19,600	30.6	217.2	17,100	37.1	228.8	14,700	42.5	235.8	12,300	200
205										17.0	183.8	18,700	27.0	207.9	16,300	34.2	221.7	13,900	39.9	230.0	11,600	205
210										9.3	161.5	17,800	23.0	197.0	15,500	31.0	213.7	13,200	37.2	223.6	11,000	210
215													18.1	183.3	14,700	27.5	204.6	12,500	34.3	216.5	10,300	215
220													11.2	163.6	14,000	23.5	193.9	11,800	31.1	208.6	9,700	220
225																18.7	180.7	11,200	27.6	199.5	9,100	225
230																12.3	162.1	10,500	23.7	188.9	8,600	230
235																			18.9	175.8	8,000	235
240																			12.5	157.5	7,500	240

MANITOWOC ENGINEERING CO.

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

130 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.1	313.7	75,700*																			60
65	73.4	312.3	73,700*																			65
70	71.8	310.7	71,700*																			70
75	70.1	308.9	69,600*																			75
80	68.4	307.0	67,400*																			80
85	66.6	304.9	64,800*	70.6	308.4	70,500*																85
90	64.9	302.6	62,200*	68.9	306.6	68,600*																90
95	63.1	300.1	58,400*	67.2	304.5	66,000*																95
100	61.3	297.4	54,100*	65.4	302.3	63,600*	67.8	304.2	62,800													100
105	59.5	294.5	50,300*	63.6	299.8	59,800*	66.1	302.0	58,600													105
110	57.6	291.4	46,900*	61.9	297.2	55,400*	64.3	299.6	55,000													110
115	55.7	288.1	43,900*	60.0	294.4	51,500*	62.5	297.1	51,600													115
120	53.7	284.5	41,100*	58.2	291.3	47,900*	60.7	294.4	48,600													120
125	51.7	280.6	38,600*	56.3	288.1	44,800*	58.8	291.4	45,800	63.0	295.1	41,400										125
130	49.6	276.4	36,300*	54.3	284.5	41,900*	57.0	288.2	43,300	61.2	292.4	39,100										130
135	47.5	272.0	34,200*	52.3	280.8	39,300*	55.0	284.8	40,900	59.3	289.5	36,900										135
140	45.3	267.1	32,200*	50.3	276.7	37,000*	53.1	281.1	38,800	57.4	286.4	34,900										140
145	43.0	261.9	30,500*	48.1	272.3	34,800*	51.0	277.1	36,800	55.5	283.0	33,100										145
150	40.6	256.2	28,800*	46.0	267.6	32,800*	48.9	272.9	34,900	53.5	279.4	31,300	57.8	283.4	27,800							150
155	38.0	250.0	27,300*	43.7	262.5	31,000*	46.8	268.3	33,200	51.5	275.5	29,700	55.9	280.1	26,300							155
160	35.4	243.2	25,800*	41.3	257.0	29,300*	44.5	263.3	31,600	49.5	271.3	28,200	53.9	276.6	25,000							160
165	32.5	235.7	24,500*	38.8	250.9	27,700*	42.2	258.0	29,900*	47.3	266.8	26,800	51.9	272.7	23,700							165
170	29.3	227.2	23,200*	36.2	244.3	26,300*	39.7	252.1	28,300*	45.1	262.0	25,500	49.9	268.6	22,500							170
175	25.9	217.4	22,100*	33.4	237.0	24,900*	37.2	245.7	26,800*	42.8	256.7	24,300	47.7	264.2	21,300	52.2	268.7	18,400				175
180	21.8	205.9	20,900*	30.3	228.8	23,600*	34.4	238.7	25,400*	40.4	251.0	23,100	45.5	259.4	20,200	50.1	264.6	17,400				180
185	17.0	191.4	19,700*	26.9	219.5	22,400*	31.5	230.8	24,100*	37.8	244.8	22,000	43.2	254.2	19,200	48.0	260.2	16,500				185
190	9.9	169.7	17,100*	23.1	208.6	21,300*	28.2	222.0	22,900*	35.1	237.9	21,000	40.8	248.6	18,300	45.8	255.5	15,600				190
195				18.5	195.1	20,200*	24.6	211.7	21,700*	32.2	230.3	20,000	38.3	242.4	17,400	43.5	250.3	14,800				195
200				20.3	199.4	20,600*	20.3	199.4	20,600*	29.0	221.7	19,100	35.7	235.7	16,500	41.1	244.8	14,000	45.9	250.2	11,600	200
205				15.0	183.3	19,600*	15.0	183.3	19,600*	25.5	211.8	18,200	32.8	228.2	15,700	38.6	238.7	13,200	43.6	245.1	10,900	205
210				5.8	154.8	17,600*				21.5	200.1	17,300	29.7	219.8	14,900	36.0	232.0	12,500	41.2	239.5	10,200	210
215										16.5	185.2	16,500	26.2	210.3	14,100	33.2	224.7	11,800	38.7	233.5	9,600	215
220										9.0	162.3	15,600	22.3	199.0	13,400	30.1	216.4	11,200	36.1	226.9	9,000	220
225													17.5	184.9	12,700	26.7	207.0	10,600	33.3	219.5	8,400	225
230													10.9	164.5	12,000	22.8	195.9	9,900	30.2	211.3	7,900	230
235																18.2	182.3	9,300	26.8	201.9	7,400	235
240																11.9	163.1	8,700	23.0	191.0	6,800	240
245																			18.4	177.4	6,300	245
250																			12.2	158.6	5,800	250

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

130 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.9	324.1	69,300*																			60
65	74.3	322.7	68,700*																			65
70	72.8	321.2	67,400*																			70
75	71.2	319.5	65,200*																			75
80	69.6	317.7	62,900*																			80
85	67.9	315.7	60,600*																			85
90	66.3	313.6	58,200*	70.0	317.3	63,700*																90
95	64.6	311.3	55,800*	68.4	315.3	61,600*																95
100	63.0	308.8	53,400*	66.8	313.2	59,300*																100
105	61.2	306.1	49,800*	65.1	311.0	57,000*	67.4	312.9	58,100													105
110	59.5	303.2	46,400*	63.5	308.5	54,700*	65.7	310.7	54,400													110
115	57.7	300.1	43,400*	61.8	305.9	51,000*	64.1	308.3	51,000													115
120	55.9	296.8	40,600*	60.0	303.0	47,400*	62.4	305.8	48,000													120
125	54.1	293.2	38,100*	58.3	300.0	44,300*	60.7	303.0	45,200													125
130	52.2	289.4	35,800*	56.5	296.8	41,400*	58.9	300.1	42,700	62.8	303.8	38,400										130
135	50.2	285.3	33,700*	54.6	293.3	38,800*	57.1	296.9	40,400	61.1	301.1	36,300										135
140	48.2	281.0	31,700*	52.7	289.5	36,500*	55.3	293.5	38,200	59.3	298.2	34,300										140
145	46.2	276.3	30,000*	50.8	285.6	34,300*	53.4	289.9	36,200	57.6	295.1	32,400										145
150	44.0	271.2	28,300*	48.8	281.3	32,300*	51.5	286.0	34,400	55.8	291.7	30,700										150
155	41.8	265.7	26,800*	46.8	276.7	30,500*	49.6	281.8	32,700	53.9	288.2	29,100	57.9	292.1	25,700							155
160	39.4	259.8	25,300*	44.7	271.7	28,800*	47.5	277.3	31,000	52.0	284.3	27,700	56.1	288.8	24,300							160
165	37.0	253.4	24,000*	42.5	266.4	27,200*	45.4	272.5	29,400*	50.1	280.2	26,300	54.3	285.3	23,000							165
170	34.4	246.3	22,700*	40.2	260.6	25,800*	43.3	267.3	27,800*	48.0	275.8	25,000	52.4	281.5	21,800							170
175	31.6	238.5	21,600*	37.7	254.4	24,400*	41.0	261.7	26,300*	46.0	271.1	23,700	50.4	277.5	20,700							175
180	28.5	229.7	20,500*	35.2	247.5	23,100*	38.6	255.6	24,900*	43.8	266.0	22,600	48.4	273.1	19,600	52.6	277.5	16,800				180
185	25.1	219.7	19,400*	32.4	239.9	21,900*	36.1	249.0	23,600*	41.6	260.5	21,500	46.4	268.5	18,600	50.7	273.5	15,900				185
190	21.2	207.8	18,400*	29.5	231.4	20,800*	33.5	241.7	22,400*	39.2	254.6	20,400	44.2	263.5	17,700	48.7	269.2	15,000				190
195	16.5	192.8	17,300*	26.2	221.8	19,700*	30.6	233.6	21,200*	36.8	248.1	19,500	42.0	258.1	16,800	46.6	264.5	14,200				195
200	9.6	170.6	14,900*	22.5	210.6	18,700*	27.4	224.4	20,100*	34.1	241.0	18,500	39.7	252.2	15,900	44.5	259.6	13,400				200
205				18.0	196.7	17,800*	23.9	213.8	19,100*	31.3	233.1	17,600	37.3	245.8	15,100	42.3	254.2	12,600	46.7	259.3	10,300	205
210				12.1	177.6	16,700*				28.2	224.2	16,800	34.7	238.8	14,300	40.0	248.4	11,900	44.6	254.3	9,600	210
215							14.6	184.5	17,200*	24.8	214.0	16,000	31.9	231.1	13,600	37.6	242.1	11,300	42.4	249.0	9,000	215
220							5.6	155.2	15,400*	20.9	201.9	15,200	28.9	222.4	12,900	35.0	235.2	10,600	40.1	243.2	8,400	220
225										16.0	186.6	14,400	25.5	212.5	12,200	32.2	227.6	10,000	37.7	236.9	7,800	225
230										8.8	163.0	13,700	21.7	200.9	11,500	29.3	219.0	9,400	35.1	230.0	7,300	230
235													17.1	186.3	10,900	26.0	209.3	8,800	32.3	222.4	6,800	235
240													10.6	165.4	10,300	22.2	197.9	8,300	29.4	213.9	6,300	240
245																17.7	183.8	7,700	26.1	204.2	5,800	245
250																11.6	164.1	7,200	22.3	192.9	5,300	250
255																			17.9	179.0	4,900	255
260																			11.8	159.6	4,400	260

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

130 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.1	333.1	62,100*																			65
70	73.6	331.7	61,500*																			70
75	72.1	330.1	60,600*																			75
80	70.6	328.4	58,400*																			80
85	69.1	326.5	56,100*																			85
90	67.6	324.5	53,800*																			90
95	66.0	322.3	51,500*	69.6	326.1	56,900*																95
100	64.4	320.0	49,200*	68.0	324.1	54,800*																100
105	62.8	317.4	46,900*	66.5	321.9	52,600*																105
110	61.2	314.7	44,700*	64.9	319.6	50,300*	67.0	321.7	53,000*													110
115	59.5	311.8	42,500*	63.3	317.2	48,000*	65.5	319.4	50,400													115
120	57.8	308.8	40,100*	61.7	314.5	45,800*	63.9	317.0	47,400													120
125	56.1	305.5	37,500*	60.0	311.7	43,600*	62.3	314.4	44,600													125
130	54.4	301.9	35,200*	58.3	308.7	40,900*	60.6	311.7	42,100													130
135	52.6	298.2	33,100*	56.6	305.4	38,300*	59.0	308.7	39,700	62.7	312.5	35,600										135
140	50.7	294.2	31,200*	54.9	302.0	35,900*	57.3	305.6	37,600	61.0	309.8	33,600										140
145	48.9	289.9	29,400*	53.1	298.3	33,800*	55.5	302.2	35,600	59.4	306.9	31,800										145
150	46.9	285.3	27,700*	51.3	294.4	31,800*	53.8	298.6	33,800	57.7	303.8	30,100										150
155	44.9	280.4	26,200*	49.4	290.2	29,900*	52.0	294.8	32,000	56.0	300.4	28,500										155
160	42.8	275.1	24,800*	47.5	285.7	28,300*	50.1	290.7	30,400	54.2	296.9	27,000	58.0	300.8	23,600							160
165	40.7	269.5	23,400*	45.5	280.9	26,700*	48.2	286.3	28,900*	52.4	293.1	25,600	56.3	297.5	22,300							165
170	38.4	263.3	22,200*	43.5	275.7	25,200*	46.3	281.6	27,300*	50.6	289.1	24,300	54.6	294.0	21,100							170
175	36.0	256.7	21,000*	41.3	270.2	23,900*	44.2	276.6	25,800*	48.7	284.8	23,100	52.8	290.3	20,000							175
180	33.5	249.3	19,900*	39.1	264.2	22,600*	42.1	271.2	24,400*	46.7	280.2	21,900	50.9	286.3	18,900							180
185	30.7	241.3	18,900*	36.7	257.7	21,400*	39.9	265.4	23,000*	44.7	275.3	20,800	49.1	282.1	17,900	53.0	286.2	15,100				185
190	27.8	232.2	17,900*	34.2	250.6	20,300*	37.6	259.1	21,800*	42.6	269.9	19,800	47.1	277.5	17,000	51.2	282.3	14,300				190
195	24.5	221.8	17,000*	31.6	242.7	19,200*	35.2	252.2	20,700*	40.5	264.2	18,800	45.1	272.7	16,100	49.3	278.1	13,400				195
200	20.7	209.6	16,100*	28.7	234.0	18,200*	32.6	244.6	19,600*	38.2	258.1	17,900	43.1	267.4	15,300	47.4	273.6	12,700				200
205	16.1	194.2	15,100*	25.5	224.1	17,200*	29.8	236.2	18,600*	35.8	251.3	17,000	40.9	261.8	14,400	45.4	268.7	11,900				205
210	9.4	171.3	12,900*	21.9	212.5	16,400*	26.7	226.8	17,600*	33.2	244.0	16,200	38.6	255.7	13,700	43.3	263.6	11,200	47.4	268.3	8,900	210
215				17.6	198.2	15,500*	23.3	215.9	16,700*	30.5	235.8	15,400	36.3	249.1	12,900	41.2	258.0	10,600	45.5	263.5	8,200	215
220				11.8	178.6	14,600*	19.3	202.8	15,800*	27.5	226.6	14,600	33.7	241.9	12,200	38.9	252.0	9,900	43.4	258.3	7,700	220
225							14.2	185.8	15,000*	24.2	216.1	13,900	31.0	233.9	11,600	36.6	245.4	9,300	41.2	252.8	7,100	225
230							5.4	155.7	13,400*	20.3	203.7	13,200	28.1	224.9	10,900	34.1	238.3	8,700	39.0	246.8	6,600	230
235										15.6	187.9	12,500	24.9	214.7	10,300	31.4	230.4	8,200	36.7	240.2	6,100	235
240										8.5	163.8	11,800	21.1	202.7	9,700	28.5	221.6	7,600	34.2	233.1	5,600	240
245													16.6	187.8	9,100	25.3	211.5	7,100	31.5	225.2	5,100	245
250													10.3	166.3	8,500	21.6	199.8	6,600	28.6	216.5	4,600	250
255																17.2	185.3	6,100	25.4	206.5	4,200	255
260																11.3	165.1	5,600				260

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

140 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	63.7	212.3	152,200*																			45
50	59.0	209.4	140,800*																			50
55	54.0	206.0	123,800*	65.8	212.4	155,800*																55
60	48.7	201.8	109,400*	61.2	209.8	144,400*	67.9	212.3	144,500b													60
65	42.8	196.8	97,800*	56.4	206.6	132,000*	63.4	209.9	130,400b													65
70	36.3	190.5	88,200*	51.2	202.8	115,800*	58.7	207.0	118,700b													70
75	28.4	182.3	80,200*	45.7	198.2	103,000*	53.7	203.5	108,800b													75
80	17.3	169.8	73,400*	39.5	192.6	92,500*	48.4	199.3	100,400	60.7	205.5	95,200b										80
85				32.3	185.4	83,900*	42.5	194.2	93,100	55.8	202.2	88,300b										85
90				23.2	175.4	76,600*	35.9	187.8	86,600	50.6	198.4	82,200										90
95				5.1	153.9	69,400*	27.9	179.4	79,900*	45.0	193.7	76,900	57.6	199.6	72,700b							95
100							16.5	166.5	73,100*	38.8	187.9	72,100	52.5	196.0	68,200							100
105										31.4	180.5	67,800	47.1	191.6	64,200							105
110										22.0	170.1	63,900	41.1	186.3	60,600							110
115													34.2	179.5	57,300	48.7	188.1	54,100				115
120													25.8	170.5	54,200	42.9	183.0	51,200				120
125													12.6	155.2	51,400	36.3	176.8	48,600				125
130																28.4	168.6	46,200	44.0	178.3	43,600	130
135																17.4	156.1	43,900	37.6	172.3	41,500	135
140																			30.1	164.5	39,500	140
145																			20.0	153.3	37,700	145

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

140 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	67.2	223.4	148,300*b																			45
50	63.2	221.0	137,600*b																			50
55	59.1	218.1	124,600*b	69.0	223.3	150,300*b																55
60	54.8	214.7	110,000*	65.1	221.1	141,200*b																60
65	50.2	210.8	98,300*	61.1	218.4	131,400*b	67.0	221.0	129,900b													65
70	45.3	206.1	88,600*	56.8	215.3	116,500*	63.0	218.5	118,200b													70
75	39.9	200.4	80,600*	52.4	211.6	103,500*	58.9	215.7	108,400													75
80	33.8	193.5	73,700*	47.7	207.3	93,000*	54.5	212.3	100,000													80
85	26.4	184.6	67,900*	42.5	202.1	84,300*	49.9	208.3	92,700	60.6	214.1	87,700b										85
90	16.1	171.1	62,700*	36.8	195.9	76,900*	45.0	203.5	86,300	56.4	210.9	81,700										90
95				30.1	188.1	70,600*	39.6	197.8	80,200*	51.9	207.2	76,400										95
100				21.6	177.3	65,100*	33.4	190.8	73,500*	47.1	202.8	71,600	57.9	208.3	67,700							100
105				4.7	154.2	59,700*	26.0	181.7	67,600*	41.9	197.5	67,400	53.5	204.8	63,600							105
110							15.4	167.8	62,500*	36.1	191.2	63,600	48.9	200.6	60,000							110
115										29.3	183.1	60,100	43.8	195.7	56,800							115
120										20.5	171.8	56,900	38.3	189.8	53,800	50.2	197.0	50,700				120
125													31.9	182.4	51,000	45.3	192.3	48,100				125
130													24.0	172.6	48,500	39.9	186.7	45,700				130
135													11.7	156.2	46,100	33.8	179.8	43,500	46.3	187.5	40,900	135
140																26.5	170.9	41,500	41.0	182.0	39,000	140
145																16.2	157.5	39,500	35.1	175.4	37,200	145
150																			28.0	167.0	35,600	150
155																			18.6	154.9	34,000	155

MANITOWOC ENGINEERING CO.

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

140 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	73.2	235.9	152,500*b																			40
45	69.9	234.2	144,100*b																			45
50	66.4	232.1	134,400*b																			50
55	62.9	229.6	125,100*																			55
60	59.2	226.8	110,400*	68.0	232.0	136,800*b																60
65	55.4	223.4	98,600*	64.6	229.7	128,800*b																65
70	51.4	219.6	88,900*	60.9	227.1	117,000*	66.2	229.7	117,800b													70
75	47.1	215.2	80,800*	57.2	224.0	103,900*	62.7	227.2	108,000													75
80	42.5	210.0	73,900*	53.3	220.4	93,300*	59.0	224.3	99,500													80
85	37.5	203.9	68,000*	49.2	216.3	84,500*	55.2	221.0	92,300													85
90	31.8	196.4	62,900*	44.7	211.5	77,100*	51.1	217.1	85,900	60.5	222.8	81,200										90
95	24.9	186.8	58,300*	39.9	205.8	70,700*	46.9	212.6	80,300	56.8	219.6	75,900										95
100	15.2	172.4	54,300*	34.6	199.0	65,200*	42.3	207.4	73,600*	52.8	216.0	71,200										100
105				28.3	190.6	60,500*	37.2	201.2	67,800*	48.7	211.8	67,000										105
110				20.3	179.1	56,200*	31.4	193.7	62,700*	44.2	206.9	63,200	54.3	213.5	59,600							110
115				4.3	154.5	52,000*	24.4	183.9	58,200*	39.4	201.2	59,800	50.2	209.5	56,300							115
120							14.4	169.0	54,200*	33.9	194.2	56,600	45.9	204.9	53,400							120
125										27.5	185.5	53,700	41.2	199.5	50,700	51.4	205.9	47,600				125
130										19.2	173.5	51,100	36.0	193.0	48,200	47.1	201.4	45,300				130
135													30.0	185.1	45,900	42.6	196.3	43,100				135
140													22.6	174.6	43,700	37.5	190.1	41,100	48.0	196.5	38,500	140
145													11.0	157.1	41,700	31.8	182.7	39,200	43.5	191.5	36,800	145
150																24.9	173.1	37,500	38.5	185.6	35,100	150
155																15.2	158.8	35,800	33.0	178.4	33,600	155
160																			26.4	169.3	32,200	160
165																			17.5	156.4	30,800	165

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

140 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	75.0	246.4	145,200*																			40
45	72.0	244.8	137,700*																			45
50	68.9	243.0	130,200*																			50
55	65.8	240.8	121,800*																			55
60	62.6	238.3	111,200*	70.4	242.8	132,100*b																60
65	59.3	235.4	99,200*	67.3	240.8	125,200*																65
70	55.9	232.2	89,300*	64.1	238.4	117,500*																70
75	52.3	228.4	81,100*	60.8	235.7	104,600*	65.6	238.4	107,400													75
80	48.5	224.2	74,100*	57.5	232.7	93,800*	62.4	235.9	99,100													80
85	44.5	219.3	68,100*	54.0	229.2	84,900*	59.1	233.0	91,800													85
90	40.2	213.7	62,900*	50.3	225.2	77,300*	55.7	229.7	85,500													90
95	35.5	207.1	58,400*	46.4	220.6	70,900*	52.1	225.9	79,900	60.5	231.4	75,400										95
100	30.1	199.1	54,400*	42.3	215.4	65,400*	48.3	221.7	73,800*	57.1	228.3	70,700										100
105	23.5	188.9	50,700*	37.8	209.3	60,500*	44.3	216.8	67,900*	53.6	224.8	66,500										105
110	14.3	173.6	47,500*	32.7	202.0	56,200*	40.0	211.1	62,700*	49.9	220.7	62,700										110
115				26.8	193.0	52,400*	35.2	204.4	58,200*	46.0	216.1	59,300	54.9	222.3	55,700							115
120				19.2	180.8	49,000*	29.7	196.3	54,200*	41.8	210.8	56,200	51.3	218.4	52,800							120
125				4.1	154.8	45,700*	23.1	185.9	50,600*	37.2	204.5	53,300	47.4	214.0	50,100							125
130							13.6	170.2	47,400*	32.1	197.1	50,700	43.4	208.9	47,700	52.3	214.7	44,700				130
135										26.1	187.8	48,300	38.9	203.1	45,400	48.5	210.5	42,500				135
140										18.2	175.1	46,000	34.0	196.1	43,300	44.5	205.6	40,500				140
145													28.4	187.6	41,300	40.2	200.0	38,700				145
150													21.4	176.5	39,500	35.5	193.4	37,000	45.3	200.7	34,500	150
155													10.4	158.0	37,700	30.1	185.4	35,400	41.1	195.3	33,000	155
160																23.6	175.2	33,900	36.4	188.9	31,600	160
165																14.4	160.0	32,400	31.2	181.2	30,300	165
170																			24.9	171.5	29,000	170
175																			16.6	157.8	27,800	175

MANITOWOC ENGINEERING CO.

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WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

140 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	73.7	255.3	132,500*																			45
50	70.9	253.6	126,100*																			50
55	68.1	251.7	118,900*																			55
60	65.3	249.5	111,700*																			60
65	62.3	247.0	101,500*	69.4	251.6	121,200*																65
70	59.3	244.1	91,400*	66.6	249.5	115,000*																70
75	56.2	240.9	82,900*	63.7	247.1	107,000*	68.0	249.3	106,900													75
80	53.0	237.2	75,800*	60.8	244.4	95,900*	65.1	247.1	98,600													80
85	49.7	233.1	69,700*	57.7	241.3	86,800*	62.2	244.5	91,300													85
90	46.1	228.5	64,300*	54.6	237.9	79,100*	59.2	241.7	85,000													90
95	42.3	223.2	59,700*	51.3	234.0	72,500*	56.1	238.4	79,400													95
100	38.2	217.2	55,600*	47.8	229.7	66,800*	52.8	234.7	74,500	60.4	240.1	70,200										100
105	33.7	210.1	51,900*	44.1	224.7	61,800*	49.5	230.6	69,400*	57.4	237.0	66,000										105
110	28.6	201.6	48,600*	40.2	219.1	57,500*	45.9	225.9	64,100*	54.2	233.5	62,200										110
115	22.4	190.8	45,600*	35.9	212.5	53,600*	42.1	220.6	59,500*	50.9	229.6	58,800										115
120	13.6	174.8	42,300*	31.1	204.8	50,100*	38.0	214.6	55,400*	47.4	225.2	55,700	55.4	231.0	52,300							120
125				25.5	195.2	47,000*	33.5	207.4	51,700*	43.7	220.2	52,900	52.1	227.2	49,600							125
130				18.3	182.3	44,200*	28.3	198.8	48,500*	39.8	214.4	50,300	48.7	223.0	47,200							130
135				3.8	155.1	39,000*	22.0	187.8	45,500*	35.4	207.8	47,900	45.1	218.2	44,900	53.0	223.5	42,000				135
140							13.0	171.3	42,800*	30.5	199.8	45,600	41.2	212.7	42,800	49.7	219.4	40,000				140
145										24.8	190.0	43,600	37.0	206.4	40,900	46.1	214.8	38,200				145
150										17.3	176.6	41,600	32.4	199.0	39,100	42.3	209.5	36,500				150
155													27.0	190.0	37,400	38.3	203.5	34,900	46.8	209.9	32,500	155
160													20.3	178.2	35,800	33.8	196.4	33,400	43.1	204.7	31,100	160
165													9.9	158.8	34,200	28.6	187.9	32,000	39.1	198.9	29,800	165
170																22.4	177.1	30,700	34.7	192.0	28,600	170
175																13.7	161.2	29,400	29.7	183.9	27,400	175
180																			23.7	173.6	26,300	180
185																			15.8	159.1	25,200	185

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

140 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.1	265.7	123,500*																			45
50	72.6	264.2	119,300*																			50
55	70.0	262.5	115,200*																			55
60	67.5	260.5	108,900*																			60
65	64.8	258.2	101,200*																			65
70	62.1	255.6	91,000*	68.7	260.3	109,700																70
75	59.4	252.7	82,600*	66.1	258.2	100,200																75
80	56.6	249.5	75,400*	63.4	255.8	92,100	67.3	258.1	87,600													80
85	53.6	246.0	69,300*	60.7	253.1	85,100	64.7	255.8	80,900													85
90	50.6	242.0	63,900*	57.9	250.0	78,700*	62.0	253.2	75,000													90
95	47.4	237.6	59,300*	55.0	246.6	72,100*	59.2	250.3	69,800													95
100	44.0	232.6	55,100*	52.0	242.8	66,400*	56.4	247.1	65,200													100
105	40.4	226.9	51,500*	48.9	238.6	61,400*	53.5	243.5	61,100	60.4	248.8	55,700										105
110	36.5	220.5	48,200*	45.6	233.9	57,100*	50.4	239.5	57,400	57.6	245.7	52,300										110
115	32.2	213.0	45,200*	42.1	228.6	53,200*	47.2	235.0	54,100	54.7	242.3	49,200										115
120	27.3	204.1	42,500*	38.4	222.6	49,700*	43.8	230.0	51,000	51.7	238.4	46,300										120
125	21.4	192.7	40,100*	34.3	215.6	46,600*	40.2	224.3	48,200	48.6	234.2	43,800	55.8	239.7	39,400							125
130	13.0	175.9	37,200*	29.7	207.4	43,800*	36.3	217.8	45,700	45.3	229.4	41,400	52.8	236.0	37,200							130
135				24.4	197.4	41,200*	32.0	210.3	43,300	41.7	224.0	39,200	49.7	231.9	35,200							135
140				17.5	183.9	38,900*	27.0	201.2	41,100	38.0	217.9	37,200	46.5	227.3	33,400							140
145				3.6	155.3	34,500*	21.0	189.7	39,000	33.8	210.8	35,400	43.0	222.2	31,700	50.6	228.3	28,100				145
150							12.4	172.3	37,100	29.2	202.5	33,600	39.4	216.3	30,100	47.4	223.8	26,600				150
155										23.7	192.1	32,000	35.4	209.6	28,600	44.0	218.8	25,200				155
160										16.6	178.0	30,400	30.9	201.8	27,200	40.4	213.2	24,000				160
165													25.8	192.3	25,900	36.5	206.8	22,800				165
170													19.4	179.9	24,600	32.3	199.3	21,600	44.7	214.0	19,800	170
175													9.4	159.6	23,300	27.4	190.4	20,600	41.1	208.5	18,700	175
180																21.4	179.0	19,500	37.3	202.2	17,800	180
185																13.1	162.3	18,500	33.1	195.0	16,900	185
190																			28.4	186.4	16,000	190
195																			22.7	175.6	15,100	195
																			15.0	160.4	14,300	

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

140 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	73.9	274.7	110,400*																			50
55	71.6	273.1	106,700*																			55
60	69.3	271.3	103,300*																			60
65	66.9	269.2	99,800*																			65
70	64.5	266.9	91,700*	70.4	271.1	105,900*																70
75	62.0	264.3	83,100*	68.0	269.1	99,900																75
80	59.4	261.4	75,800*	65.6	266.9	91,700																80
85	56.8	258.2	69,600*	63.2	264.4	84,700	66.8	266.8	80,500													85
90	54.1	254.7	64,200*	60.7	261.7	78,600	64.3	264.5	74,600													90
95	51.3	250.8	59,500*	58.1	258.7	72,500*	61.8	261.9	69,500													95
100	48.4	246.5	55,300*	55.4	255.3	66,700*	59.3	259.0	64,900													100
105	45.4	241.8	51,600*	52.7	251.6	61,700*	56.7	255.8	60,800	62.9	260.2	55,300										105
110	42.2	236.5	48,300*	49.8	247.5	57,200*	54.0	252.3	57,100	60.4	257.4	51,900										110
115	38.7	230.5	45,300*	46.9	243.0	53,300*	51.2	248.3	53,700	57.8	254.4	48,800										115
120	35.0	223.7	42,500*	43.7	238.0	49,800*	48.3	244.0	50,700	55.1	251.0	46,000										120
125	30.9	215.8	40,100*	40.4	232.3	46,700*	45.2	239.2	47,900	52.4	247.2	43,400										125
130	26.2	206.4	37,800*	36.8	225.9	43,800*	42.0	233.9	45,400	49.5	243.1	41,100	56.1	248.4	36,900							130
135	20.5	194.5	35,700*	32.9	218.6	41,200*	38.5	227.9	43,000	46.5	238.5	38,900	53.4	244.8	34,900							135
140	12.5	177.0	33,200*	28.5	210.0	38,900*	34.8	221.0	40,900	43.4	233.4	36,900	50.6	240.8	33,100							140
145				23.4	199.4	36,700*	30.7	213.0	38,900	40.0	227.7	35,100	47.6	236.4	31,400							145
150				16.8	185.3	34,700*	25.9	203.5	37,000	36.4	221.2	33,400	44.5	231.5	29,800	51.4	237.1	26,300				150
155				3.5	155.6	30,900*	20.2	191.4	35,200	32.4	213.7	31,700	41.2	226.0	28,300	48.5	232.8	24,900				155
160							11.9	173.3	33,500	28.0	204.9	30,200	37.7	219.8	26,900	45.4	228.0	23,700				160
165										22.7	194.1	28,800	33.9	212.7	25,600	42.2	222.7	22,500				165
170										15.9	179.4	27,400	29.7	204.4	24,400	38.8	216.8	21,400				170
175													24.8	194.5	23,200	35.0	210.0	20,300	46.0	223.2	18,400	175
180													18.6	181.5	22,100	30.9	202.1	19,300	42.8	218.0	17,500	180
185													9.0	160.3	21,000	26.2	192.7	18,400	39.4	212.1	16,600	185
190																20.6	180.8	17,400	35.8	205.5	15,700	190
195																12.6	163.4	16,500	31.8	197.8	14,900	195
200																			27.2	188.8	14,100	200
205																			21.8	177.5	13,400	205
																			14.4	161.7	12,600	

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

140 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.1	285.1	103,000*																			50
55	73.0	283.6	99,800*																			55
60	70.8	281.9	96,700*																			60
65	68.6	280.0	93,600*																			65
70	66.4	277.9	90,600*																			70
75	64.2	275.6	82,700*	69.7	279.9	95,900*																75
80	61.8	272.9	75,400*	67.5	277.8	91,100																80
85	59.5	270.1	69,200*	65.2	275.6	84,100																85
90	57.1	266.9	63,800*	62.9	273.1	78,000	66.3	275.5	74,000													90
95	54.6	263.5	59,000*	60.6	270.4	72,000*	64.0	273.2	68,800													95
100	52.0	259.7	54,800*	58.2	267.4	66,300*	61.7	270.5	64,200													100
105	49.3	255.5	51,100*	55.8	264.0	61,200*	59.3	267.6	60,100													105
110	46.6	250.9	47,800*	53.2	260.4	56,800*	56.9	264.5	56,400	62.7	268.9	51,100										110
115	43.6	245.8	44,800*	50.6	256.4	52,900*	54.4	261.0	53,100	60.3	266.1	48,100										115
120	40.6	240.2	42,100*	47.9	252.0	49,400*	51.9	257.2	50,100	57.9	263.0	45,300										120
125	37.3	233.9	39,600*	45.0	247.2	46,200*	49.2	253.0	47,300	55.5	259.7	42,700										125
130	33.7	226.7	37,400*	42.0	241.8	43,400*	46.4	248.4	44,800	52.9	256.0	40,400										130
135	29.7	218.4	35,300*	38.9	235.8	40,800*	43.5	243.2	42,500	50.3	252.0	38,300	56.4	257.1	34,100							135
140	25.2	208.6	33,400*	35.4	229.1	38,400*	40.4	237.6	40,300	47.6	247.5	36,300	53.9	253.5	32,300							140
145	19.7	196.2	31,600*	31.7	221.4	36,300*	37.1	231.2	38,300	44.7	242.6	34,400	51.3	249.6	30,600							145
150	12.0	178.0	29,400*	27.4	212.4	34,300*	33.5	224.0	36,400	41.7	237.2	32,700	48.6	245.3	29,000							150
155				22.5	201.4	32,400*	29.5	215.7	34,700	38.5	231.2	31,100	45.8	240.6	27,600	52.0	245.9	24,100				155
160				16.1	186.7	30,700*	24.9	205.7	33,100	35.0	224.3	29,600	42.8	235.4	26,200	49.4	241.7	22,900				160
165				3.3	155.8	27,400*	19.4	193.1	31,500*	31.2	216.5	28,200	39.7	229.6	24,900	46.6	237.2	21,700				165
170							11.4	174.3	29,900*	26.9	207.3	26,900	36.3	223.1	23,700	43.7	232.1	20,600				170
175										21.9	196.0	25,600	32.6	215.6	22,600	40.6	226.4	19,600	47.1	232.2	16,700	175
180										15.3	180.7	24,400	28.5	207.0	21,500	37.3	220.1	18,600	44.2	227.3	15,800	180
185													23.8	196.6	20,500	33.7	213.0	17,700	41.2	221.7	14,900	185
190													17.9	183.1	19,500	29.8	204.7	16,800	37.9	215.6	14,200	190
195													8.7	161.0	18,500	25.3	194.9	15,900	34.4	208.6	13,400	195
200																19.8	182.5	15,100	30.6	200.6	12,700	200
205																12.1	164.4	14,300	26.2	191.1	12,000	205
210																			20.9	179.3	11,300	210
215																			13.9	162.9	10,600	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

140 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.2	294.1	94,900*																			55
60	72.2	292.5	92,300*																			60
65	70.1	290.7	89,700*																			65
70	68.1	288.8	87,100*																			70
75	66.0	286.6	83,600*																			75
80	63.9	284.2	76,200*	69.0	288.7	89,000*																80
85	61.7	281.6	69,800*	67.0	286.6	83,500																85
90	59.5	278.7	64,300*	64.9	284.3	77,400	68.0	286.4	73,300													90
95	57.3	275.6	59,500*	62.7	281.8	72,000	65.9	284.2	68,100													95
100	54.9	272.2	55,300*	60.6	279.0	66,900*	63.8	281.8	63,600													100
105	52.6	268.4	51,500*	58.3	276.0	61,800*	61.6	279.2	59,500													105
110	50.1	264.4	48,200*	56.1	272.7	57,300*	59.4	276.3	55,800													110
115	47.5	259.9	45,100*	53.7	269.2	53,300*	57.1	273.2	52,500	62.5	277.5	47,400										115
120	44.9	255.0	42,400*	51.3	265.3	49,700*	54.8	269.7	49,500	60.3	274.7	44,600										120
125	42.1	249.7	39,900*	48.8	261.0	46,500*	52.4	266.0	46,700	58.1	271.7	42,100										125
130	39.1	243.7	37,600*	46.2	256.3	43,700*	50.0	261.9	44,200	55.8	268.4	39,800										130
135	35.9	237.1	35,500*	43.4	251.2	41,100*	47.4	257.4	41,900	53.4	264.8	37,600										135
140	32.5	229.6	33,600*	40.5	245.5	38,700*	44.7	252.5	39,700	51.0	260.8	35,600	56.6	265.8	31,600							140
145	28.7	221.0	31,800*	37.5	239.3	36,500*	41.9	247.1	37,700	48.5	256.5	33,800	54.3	262.3	29,900							145
150	24.3	210.8	30,100*	34.2	232.2	34,500*	38.9	241.1	35,900	45.9	251.8	32,100	51.9	258.4	28,400							150
155	19.1	197.9	28,600*	30.5	224.2	32,600*	35.8	234.5	34,200	43.1	246.6	30,500	49.4	254.3	26,900							155
160	11.6	179.0	25,300*	26.5	214.8	30,900*	32.3	226.9	32,500	40.2	240.9	29,000	46.8	249.7	25,600	52.6	254.7	22,200				160
165				21.7	203.3	29,300*	28.5	218.2	31,000	37.1	234.5	27,600	44.1	244.7	24,300	50.1	250.6	21,000				165
170				15.6	188.1	27,800*	24.1	207.9	29,600	33.8	227.4	26,300	41.3	239.2	23,100	47.6	246.2	19,900				170
175				3.2	156.1	23,500*	18.7	194.8	28,200	30.1	219.2	25,100	38.3	233.1	22,000	44.9	241.3	18,900				175
180							11.0	175.2	26,900	26.0	209.6	23,900	35.0	226.2	20,900	42.1	236.0	17,900				180
185										21.1	197.9	22,800	31.5	218.5	19,900	39.1	230.0	17,000	45.4	236.4	14,300	185
190										14.7	182.0	21,700	27.5	209.4	18,900	36.0	223.4	16,200	42.6	231.2	13,500	190
195													23.0	198.6	18,000	32.5	215.9	15,300	39.7	225.4	12,700	195
200													17.3	184.6	17,100	28.7	207.3	14,500	36.6	218.9	12,000	200
205													8.4	161.7	16,200	24.4	197.1	13,800	33.2	211.6	11,300	205
210																19.1	184.2	13,100	29.5	203.2	10,700	210
215																11.6	165.4	12,300	25.2	193.3	10,100	215
220																			20.2	181.1	9,500	220
225																			13.4	164.0	8,800	225

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

140 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.2	304.5	87,600*																			55
60	73.3	303.0	85,200*																			60
65	71.4	301.4	82,800*																			65
70	69.5	299.6	80,500*																			70
75	67.6	297.5	78,200*																			75
80	65.6	295.3	76,000*	70.4	299.3	82,000*																80
85	63.6	292.9	70,000*	68.5	297.4	80,000*																85
90	61.6	290.3	64,500*	66.6	295.3	76,700																90
95	59.5	287.4	59,600*	64.6	293.0	71,400	67.5	295.2	67,500													95
100	57.4	284.3	55,300*	62.6	290.5	66,600	65.5	292.9	62,900													100
105	55.3	280.9	51,400*	60.5	287.7	61,800*	63.5	290.5	58,800													105
110	53.1	277.2	48,000*	58.4	284.7	57,300*	61.5	287.9	55,200													110
115	50.8	273.2	44,900*	56.3	281.4	53,200*	59.4	285.0	51,800													115
120	48.4	268.9	42,100*	54.1	277.9	49,600*	57.3	281.8	48,800	62.4	286.2	43,900										120
125	45.9	264.2	39,600*	51.9	274.1	46,400*	55.2	278.4	46,100	60.3	283.4	41,400										125
130	43.4	259.0	37,300*	49.5	269.9	43,400*	52.9	274.7	43,600	58.2	280.4	39,000										130
135	40.7	253.4	35,200*	47.1	265.4	40,800*	50.6	270.7	41,300	56.1	277.1	36,900										135
140	37.8	247.2	33,200*	44.6	260.4	38,400*	48.3	266.4	39,100	53.9	273.5	34,900										140
145	34.7	240.3	31,400*	42.0	255.0	36,200*	45.8	261.7	37,100	51.6	269.7	33,100	56.8	274.5	29,200							145
150	31.4	232.4	29,800*	39.2	249.1	34,200*	43.2	256.5	35,300	49.3	265.5	31,400	54.7	271.0	27,600							150
155	27.7	223.5	28,200*	36.2	242.5	32,300*	40.5	250.8	33,600	46.8	260.9	29,800	52.4	267.2	26,200							155
160	23.5	212.8	26,800*	33.0	235.2	30,600*	37.6	244.6	32,000	44.3	255.9	28,400	50.1	263.2	24,800							160
165	18.4	199.5	25,400*	29.5	226.8	29,000*	34.6	237.6	30,500	41.7	250.5	27,000	47.7	258.7	23,600							165
170	11.2	179.9	22,400*	25.6	217.0	27,500*	31.2	229.7	29,000	38.9	244.4	25,700	45.2	253.9	22,400	50.8	259.5	19,200				170
175				21.0	205.2	26,100*	27.5	220.7	27,700	35.9	237.8	24,500	42.6	248.6	21,300	48.4	255.2	18,200				175
180				15.1	189.4	24,700*	23.3	209.9	26,400	32.7	230.3	23,300	39.9	242.8	20,200	45.9	250.5	17,200				180
185				3.1	156.3	20,800*	18.1	196.3	25,200*	29.1	221.8	22,200	37.0	236.4	19,200	43.4	245.3	16,300				185
190							10.6	176.1	24,000*	25.1	211.9	21,200	33.9	229.3	18,300	40.7	239.7	15,400	46.4	245.6	12,700	190
195										20.4	199.7	20,200	30.4	221.2	17,400	37.8	233.5	14,600	43.9	240.5	12,000	195
200										14.2	183.2	19,200	26.6	211.8	16,500	34.8	226.5	13,900	41.2	235.0	11,300	200
205													22.2	200.6	15,700	31.4	218.7	13,100	38.4	228.9	10,600	205
210													16.7	186.1	14,900	27.8	209.8	12,400	35.4	222.1	10,000	210
215													8.1	162.4	14,100	23.6	199.1	11,700	32.1	214.5	9,400	215
220																18.5	185.8	11,100	28.5	205.8	8,800	220
225																11.3	166.3	10,400	24.4	195.5	8,200	225
230																			19.5	182.8	7,600	230
235																			12.9	165.1	7,100	235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

140 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.3	313.4	80,000*																			60
65	72.6	311.9	77,900*																			65
70	70.8	310.2	75,800*																			70
75	69.0	308.3	73,700*																			75
80	67.2	306.3	71,600*																			80
85	65.3	304.0	69,000*	69.8	308.2	75,100*																85
90	63.4	301.6	64,200*	68.0	306.2	73,200*																90
95	61.5	298.9	59,300*	66.2	304.0	70,900																95
100	59.6	296.1	55,000*	64.3	301.7	66,200	67.0	303.9	62,500													100
105	57.6	293.0	51,100*	62.4	299.1	61,500*	65.2	301.6	58,400													105
110	55.6	289.6	47,700*	60.5	296.4	57,000*	63.3	299.2	54,800													110
115	53.5	286.0	44,600*	58.5	293.4	52,900*	61.4	296.5	51,400													115
120	51.3	282.1	41,800*	56.5	290.1	49,300*	59.5	293.6	48,400													120
125	49.1	277.8	39,300*	54.5	286.6	46,100*	57.5	290.5	45,700	62.2	294.9	41,000										125
130	46.9	273.3	37,000*	52.4	282.9	43,100*	55.4	287.1	43,200	60.3	292.1	38,600										130
135	44.5	268.3	34,900*	50.2	278.8	40,500*	53.4	283.5	40,900	58.3	289.0	36,500										135
140	42.0	262.9	32,900*	47.9	274.4	38,100*	51.2	279.6	38,700	56.3	285.8	34,600										140
145	39.4	257.0	31,100*	45.6	269.6	35,900*	49.0	275.3	36,800	54.2	282.3	32,700										145
150	36.6	250.5	29,500*	43.2	264.4	33,800*	46.7	270.7	34,900	52.1	278.5	31,000	57.0	283.1	27,200							150
155	33.7	243.3	27,900*	40.6	258.8	32,000*	44.3	265.8	33,200	49.9	274.3	29,500	55.0	279.7	25,800							155
160	30.5	235.2	26,500*	38.0	252.6	30,200*	41.9	260.3	31,600	47.7	269.9	28,000	52.9	276.0	24,400							160
165	26.9	225.9	25,100*	35.1	245.7	28,600*	39.2	254.4	30,100	45.3	265.1	26,600	50.7	272.0	23,200							165
170	22.8	214.8	23,800*	32.0	238.0	27,200*	36.5	247.9	28,700	42.9	259.9	25,300	48.5	267.7	22,000							170
175	17.9	201.0	22,700*	28.6	229.3	25,800*	33.5	240.6	27,400	40.3	254.1	24,100	46.2	263.0	20,900	51.4	268.3	17,800				175
180	10.9	180.9	19,900*	24.8	219.2	24,500*	30.3	232.4	26,100	37.6	247.9	23,000	43.8	257.9	19,900	49.1	264.1	16,800				180
185				20.3	206.9	23,200*	26.7	223.0	25,000	34.8	240.9	21,900	41.3	252.4	18,900	46.9	259.5	15,900				185
190				14.6	190.6	22,100*	22.6	211.9	23,800*	31.6	233.2	20,900	38.6	246.4	17,900	44.5	254.6	15,100				190
195				3.0	156.5	18,500*	17.5	197.9	22,600*	28.2	224.3	19,900	35.8	239.7	17,000	42.0	249.2	14,300	47.3	254.6	11,600	195
200							10.3	177.0	21,500*	24.4	214.0	19,000	32.8	232.2	16,200	39.4	243.3	13,500	45.0	249.7	10,900	200
205										19.8	201.4	18,100	29.5	223.8	15,400	36.6	236.8	12,800	42.5	244.4	10,200	205
210										13.8	184.4	17,200	25.8	214.1	14,600	33.7	229.6	12,100	39.9	238.6	9,600	210
215													21.5	202.5	13,900	30.5	221.5	11,400	37.2	232.2	9,000	215
220													16.2	187.5	13,100	26.9	212.2	10,800	34.3	225.2	8,400	220
225													7.8	163.1	12,400	22.8	201.2	10,200	31.1	217.3	7,900	225
230																17.9	187.4	9,500	27.6	208.2	7,400	230
235																10.9	167.3	8,900	23.7	197.6	6,800	235
240																			18.9	184.5	6,300	240
245																			12.5	166.2	5,800	245

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

140 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.2	323.8	74,000*																			60
65	73.6	322.4	72,400*																			65
70	71.9	320.8	70,700*																			70
75	70.2	319.0	68,800*																			75
80	68.5	317.1	66,800*																			80
85	66.8	315.0	64,600*	71.0	318.8	70,100*																85
90	65.0	312.7	62,200*	69.3	317.0	68,500*																90
95	63.2	310.3	58,700*	67.6	314.9	66,200*																95
100	61.4	307.6	54,400*	65.8	312.7	63,900*																100
105	59.6	304.7	50,600*	64.1	310.4	61,000*	66.7	312.6	57,800													105
110	57.7	301.6	47,200*	62.3	307.8	56,400*	64.9	310.3	54,100													110
115	55.8	298.3	44,100*	60.5	305.0	52,400*	63.1	307.9	50,800													115
120	53.9	294.7	41,300*	58.6	302.0	48,800*	61.3	305.2	47,800													120
125	51.9	290.9	38,800*	56.7	298.8	45,500*	59.5	302.3	45,100													125
130	49.8	286.7	36,400*	54.8	295.4	42,600*	57.6	299.2	42,600	62.1	303.5	37,900										130
135	47.7	282.3	34,300*	52.8	291.6	40,000*	55.7	295.8	40,300	60.3	300.7	35,800										135
140	45.4	277.5	32,400*	50.8	287.6	37,500*	53.7	292.3	38,100	58.4	297.7	33,900										140
145	43.2	272.3	30,600*	48.7	283.3	35,300*	51.7	288.4	36,200	56.5	294.5	32,100										145
150	40.8	266.6	28,900*	46.5	278.7	33,300*	49.7	284.2	34,300	54.6	291.0	30,400										150
155	38.2	260.5	27,400*	44.2	273.7	31,400*	47.5	279.8	32,600	52.6	287.2	28,800	57.2	291.8	25,100							155
160	35.5	253.7	25,900*	41.9	268.3	29,700*	45.3	274.9	31,000	50.5	283.2	27,300	55.3	288.4	23,700							160
165	32.7	246.2	24,600*	39.4	262.4	28,100*	43.0	269.7	29,500	48.4	278.9	26,000	53.3	284.8	22,500							165
170	29.6	237.8	23,300*	36.8	255.9	26,600*	40.6	264.0	28,100	46.3	274.2	24,700	51.3	280.9	21,300							170
175	26.1	228.2	22,100*	34.1	248.8	25,200*	38.1	257.9	26,800	44.0	269.2	23,500	49.2	276.6	20,200							175
180	22.1	216.8	21,000*	31.1	240.8	23,900*	35.4	251.1	25,600	41.6	263.7	22,300	47.0	272.1	19,200	51.9	277.1	16,100				180
185	17.3	202.5	20,000*	27.8	231.8	22,700*	32.5	243.5	24,400	39.2	257.7	21,300	44.8	267.2	18,200	49.8	273.0	15,200				185
190	10.5	181.8	17,500*	24.1	221.3	21,600*	29.4	235.0	23,300*	36.5	251.2	20,200	42.5	261.9	17,300	47.7	268.6	14,300				190
195				19.8	208.7	20,500*	25.9	225.3	22,100*	33.7	244.0	19,300	40.1	256.1	16,400	45.5	263.8	13,500				195
200				14.2	191.8	19,500*	21.9	213.8	21,000*	30.7	235.9	18,400	37.5	249.8	15,500	43.2	258.6	12,800				200
205				2.9	156.7	16,300*	17.0	199.3	19,900*	27.4	226.8	17,500	34.8	242.8	14,700	40.8	252.9	12,100	45.9	258.9	9,500	205
210							10.0	177.9	18,900*	23.7	216.1	16,600	31.8	235.1	14,000	38.2	246.8	11,400	43.6	253.7	8,800	210
215										19.2	203.1	15,800	28.6	226.4	13,300	35.6	240.0	10,700	41.2	248.2	8,300	215
220										13.4	185.5	15,000	25.1	216.3	12,600	32.7	232.5	10,100	38.7	242.1	7,700	220
225													20.9	204.3	11,900	29.6	224.1	9,500	36.1	235.5	7,200	225
230													15.7	188.8	11,200	26.1	214.5	8,900	33.3	228.2	6,600	230
235													7.6	163.7	10,500	22.2	203.1	8,300	30.2	220.0	6,100	235
240																17.4	188.9	7,800	26.8	210.6	5,700	240
245																10.6	168.2	7,200	23.0	199.6	5,200	245
250																			18.4	186.1	4,700	250
255																			12.2	167.2	4,300	255

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

140 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	76.0	334.2	67,800*																			60
65	74.4	332.8	66,600*																			65
70	72.9	331.3	65,200*																			70
75	71.3	329.7	63,600*																			75
80	69.7	327.8	62,000*																			80
85	68.1	325.9	60,300*																			85
90	66.4	323.7	58,100*	70.4	327.6	63,700*																90
95	64.8	321.4	55,800*	68.8	325.7	61,700*																95
100	63.1	318.9	53,500*	67.2	323.7	59,500*																100
105	61.4	316.3	50,100*	65.5	321.4	57,400*	68.0	323.5	57,200													105
110	59.6	313.4	46,700*	63.9	319.0	55,100*	66.3	321.3	53,500													110
115	57.8	310.3	43,600*	62.2	316.5	51,900*	64.7	319.0	50,200													115
120	56.0	307.0	40,800*	60.4	313.7	48,300*	63.0	316.5	47,200													120
125	54.2	303.5	38,300*	58.7	310.7	45,000*	61.3	313.8	44,500													125
130	52.3	299.7	35,900*	56.9	307.5	42,100*	59.5	311.0	42,000													130
135	50.4	295.6	33,800*	55.1	304.1	39,500*	57.7	307.9	39,700	62.0	312.2	35,200										135
140	48.4	291.3	31,900*	53.2	300.4	37,000*	55.9	304.5	37,600	60.3	309.4	33,200										140
145	46.3	286.6	30,100*	51.3	296.5	34,800*	54.1	301.0	35,600	58.5	306.4	31,400										145
150	44.2	281.6	28,400*	49.3	292.3	32,800*	52.2	297.2	33,800	56.7	303.2	29,800										150
155	41.9	276.1	26,900*	47.3	287.8	30,900*	50.3	293.1	32,100	54.9	299.7	28,200										155
160	39.6	270.3	25,400*	45.2	282.9	29,200*	48.2	288.7	30,500	53.0	296.0	26,700	57.3	300.5	23,100							160
165	37.2	263.9	24,100*	43.0	277.7	27,600*	46.2	284.1	29,000	51.1	292.1	25,400	55.5	297.1	21,800							165
170	34.6	256.8	22,800*	40.7	272.0	26,100*	44.0	279.0	27,600	49.1	287.8	24,100	53.7	293.5	20,700							170
175	31.8	249.1	21,600*	38.3	265.9	24,700*	41.8	273.6	26,300	47.1	283.3	22,900	51.8	289.7	19,600							175
180	28.7	240.4	20,500*	35.8	259.1	23,400*	39.5	267.7	25,000	44.9	278.4	21,800	49.8	285.5	18,500							180
185	25.4	230.4	19,500*	33.1	251.8	22,200*	37.0	261.2	23,900	42.8	273.1	20,700	47.8	281.1	17,600	52.3	285.9	14,500				185
190	21.5	218.7	18,500*	30.2	243.5	21,100*	34.4	254.2	22,800*	40.5	267.4	19,700	45.7	276.3	16,700	50.4	281.9	13,700				190
195	16.9	204.0	17,600*	27.0	234.2	20,000*	31.6	246.4	21,600*	38.1	261.2	18,700	43.6	271.2	15,800	48.4	277.5	12,900				195
200	10.2	182.6	15,300*	23.4	223.4	19,000*	28.6	237.6	20,500*	35.5	254.4	17,800	41.3	265.6	15,000	46.3	272.9	12,200				200
205				19.2	210.3	18,000*	25.2	227.6	19,500*	32.8	246.9	17,000	38.9	259.6	14,200	44.2	267.8	11,400				205
210				13.8	193.0	17,100*	21.3	215.7	18,500*	29.9	238.6	16,100	36.5	253.1	13,400	41.9	262.4	10,800	46.7	267.9	8,200	210
215				2.8	156.9	14,200*	16.6	200.8	17,500*	26.6	229.1	15,300	33.8	245.9	12,700	39.6	256.5	10,100	44.6	263.0	7,600	215
220							9.7	178.7	16,600*	23.0	218.1	14,600	31.0	237.9	12,000	37.2	250.1	9,500	42.4	257.6	7,100	220
225										18.7	204.7	13,800	27.9	228.8	11,300	34.6	243.1	8,900	40.1	251.9	6,500	225
230										13.0	186.7	13,100	24.4	218.5	10,700	31.8	235.4	8,300	37.7	245.6	6,000	230
235													20.3	206.1	10,100	28.8	226.7	7,800	35.1	238.7	5,500	235
240													15.3	190.2	9,500	25.4	216.7	7,300	32.3	231.1	5,100	240
245													7.4	164.3	8,900	21.6	205.0	6,700	29.4	222.6	4,600	245
250																16.9	190.3	6,200	26.1	212.9	4,200	250
255																10.3	169.0	5,700				255

MANITOWOC ENGINEERING CO.

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

140 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.2	343.2	61,100*																			65
70	73.8	341.8	59,900*																			70
75	72.3	340.2	58,700*																			75
80	70.7	338.5	57,300*																			80
85	69.2	336.6	55,900*																			85
90	67.7	334.6	53,800*																			90
95	66.1	332.5	51,500*	69.9	336.4	57,000*																95
100	64.5	330.1	49,300*	68.4	334.5	55,000*																100
105	62.9	327.6	47,000*	66.8	332.4	52,900*																105
110	61.3	324.9	44,800*	65.3	330.1	50,700*	67.6	332.2	52,800													110
115	59.6	322.0	42,700*	63.7	327.7	48,500*	66.0	330.1	49,600													115
120	58.0	319.0	40,200*	62.1	325.1	46,300*	64.4	327.7	46,600													120
125	56.2	315.7	37,700*	60.4	322.3	44,200*	62.8	325.2	43,800													125
130	54.5	312.2	35,400*	58.8	319.4	41,500*	61.2	322.5	41,300													130
135	52.7	308.5	33,300*	57.1	316.2	38,900*	59.5	319.6	39,100													135
140	50.9	304.5	31,300*	55.3	312.8	36,500*	57.9	316.5	36,900	61.9	320.9	32,500										140
145	49.0	300.2	29,500*	53.6	309.2	34,300*	56.1	313.2	35,000	60.2	318.0	30,700										145
150	47.1	295.6	27,900*	51.7	305.3	32,200*	54.4	309.7	33,100	58.6	315.0	29,100										150
155	45.1	290.8	26,300*	49.9	301.2	30,400*	52.6	306.0	31,500	56.9	311.8	27,500										155
160	43.0	285.5	24,900*	48.0	296.7	28,700*	50.8	302.0	29,900	55.1	308.4	26,100										160
165	40.8	279.9	23,500*	46.0	292.0	27,100*	48.9	297.7	28,400	53.4	304.8	24,700	57.5	309.2	21,100							165
170	38.6	273.8	22,300*	44.0	287.0	25,600*	46.9	293.1	27,000	51.5	300.9	23,400	55.8	305.8	19,900							170
175	36.2	267.1	21,100*	41.8	281.5	24,200*	44.9	288.2	25,700	49.7	296.7	22,200	54.0	302.3	18,900							175
180	33.7	259.9	20,000*	39.6	275.6	22,900*	42.9	283.0	24,500	47.8	292.3	21,100	52.2	298.5	17,800							180
185	30.9	251.8	18,900*	37.3	269.3	21,700*	40.7	277.3	23,300	45.8	287.5	20,100	50.4	294.4	16,900							185
190	28.0	242.9	18,000*	34.9	262.3	20,500*	38.4	271.1	22,200*	43.7	282.4	19,000	48.5	290.1	16,000	52.7	294.7	12,900				190
195	24.7	232.6	17,000*	32.2	254.7	19,400*	36.0	264.5	21,100*	41.6	276.9	18,100	46.5	285.4	15,100	50.9	290.7	12,200				195
200	21.0	220.5	16,100*	29.4	246.2	18,400*	33.5	257.2	20,000*	39.4	271.0	17,200	44.5	280.4	14,300	49.0	286.5	11,400				200
205	16.4	205.4	15,300*	26.3	236.5	17,500*	30.8	249.1	18,900*	37.1	264.5	16,300	42.4	275.1	13,500	47.1	281.9	10,700				205
210	10.0	183.5	13,200*	22.8	225.4	16,600*	27.8	240.1	17,900*	34.6	257.5	15,500	40.2	269.3	12,700	45.1	277.0	10,000				210
215				18.7	212.0	15,700*	24.5	229.7	17,000*	31.9	249.8	14,700	37.9	263.1	12,000	43.0	271.8	9,400	47.4	277.0	6,900	215
220				13.4	194.2	14,900*	20.7	217.5	16,100*	29.1	241.2	14,000	35.5	256.3	11,400	40.8	266.2	8,800	45.5	272.2	6,300	220
225				2.7	157.1	12,200*	16.1	202.2	15,300*	26.0	231.4	13,300	32.9	248.8	10,700	38.6	260.0	8,200	43.4	267.0	5,800	225
230							9.5	179.5	14,500*	22.4	220.1	12,600	30.1	240.5	10,100	36.2	253.4	7,600	41.2	261.4	5,300	230
235										18.2	206.3	11,900	27.1	231.3	9,500	33.7	246.2	7,100	39.0	255.4	4,800	235
240										12.7	187.8	11,200	23.7	220.6	8,900	31.0	238.1	6,600	36.7	248.9	4,300	240
245													19.8	207.8	8,300	28.0	229.2	6,100				245
250													14.9	191.4	7,800	24.7	218.9	5,600				250
255													7.2	164.9	7,200	21.0	206.8	5,100				255
260																16.5	191.8	4,700				260
265																10.0	169.9	4,200				265

MANITOWOC ENGINEERING CO.

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

150 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	64.0	222.5	137,700*b																			45
50	59.3	219.6	129,700*b																			50
55	54.3	216.2	122,400*b	66.9	222.9	139,300*b																55
60	49.0	212.1	110,300*	62.4	220.4	131,600*b																60
65	43.3	207.2	98,500*	57.6	217.4	124,500*b	65.0	220.6	129,300b													65
70	36.8	201.0	88,800*	52.5	213.7	118,000*b	60.4	217.9	117,700b													70
75	29.0	192.9	80,700*	47.1	209.3	105,900*	55.5	214.6	107,900b													75
80	18.3	180.9	73,900*	41.1	204.0	94,900*	50.3	210.7	99,600													80
85				34.2	197.2	85,800*	44.6	205.9	92,300	58.4	213.6	87,100b										85
90				25.7	188.2	78,200*	38.3	200.1	85,900	53.4	210.1	81,100b										90
95				12.5	172.8	71,700*	30.9	192.5	80,300	48.0	205.9	75,800										95
100							21.2	181.8	75,300	42.1	200.7	71,100	56.0	208.0	66,900b							100
105										35.4	194.2	66,900	50.9	204.1	62,900							105
110										27.3	185.7	63,100	45.3	199.4	59,400							110
115										15.5	172.2	59,500	39.1	193.7	56,100							115
120													31.8	186.4	53,200	47.8	196.4	49,900				120
125													22.5	176.2	50,400	41.9	191.2	47,300				125
130																35.2	184.7	45,000				130
135																27.0	176.1	42,800	44.0	186.9	40,000	135
140																15.0	162.3	40,700	37.6	180.9	38,200	140
145																			30.1	173.2	36,400	145
150																			20.0	161.9	34,800	150

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WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

150 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	67.5	233.5	132,200*b																			45
50	63.5	231.1	124,700*b																			50
55	59.4	228.3	118,000*b	70.0	233.7	133,600*b																55
60	55.1	225.0	111,600*	66.1	231.6	126,600*b																60
65	50.5	221.0	99,600*	62.1	229.0	120,000*b																65
70	45.6	216.4	89,700*	57.9	226.0	114,000*b	64.4	229.3	117,200b													70
75	40.3	210.9	81,500*	53.5	222.5	107,100*	60.3	226.6	107,500b													75
80	34.3	204.1	74,500*	48.8	218.3	95,900*	56.1	223.4	99,100													80
85	27.0	195.3	68,500*	43.8	213.4	86,700*	51.6	219.6	91,900	62.7	225.2	86,500b										85
90	17.1	182.4	63,300*	38.3	207.5	78,900*	46.8	215.1	85,600	58.6	222.3	80,500b										90
95				31.9	200.1	72,300*	41.5	209.8	80,000	54.2	218.9	75,300										95
100				24.0	190.3	66,600*	35.7	203.3	75,000	49.6	214.8	70,600										100
105				11.6	173.8	61,600*	28.8	195.1	69,800*	44.7	210.0	66,400	56.5	216.7	62,300							105
110							19.7	183.5	64,400*	39.2	204.3	62,700	52.1	212.9	58,800							110
115										33.0	197.2	59,200	47.3	208.6	55,600							115
120										25.4	187.9	56,100	42.2	203.3	52,700	49.5	205.4	46,700				120
125										14.4	173.4	53,200	36.4	197.0	50,000	44.5	200.6	44,400				125
130													29.6	189.1	47,500	39.0	194.8	42,300				130
135													20.9	178.0	45,200	32.8	187.7	40,300				135
140																						140
145																25.2	178.3	38,500	46.3	196.1	37,600	145
150																14.0	163.5	36,700	41.0	190.7	35,900	150
155																			35.1	184.1	34,300	155
160																			28.0	175.6	32,800	160
																			18.6	163.5	31,300	160

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

150 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	70.1	244.3	127,900*b																			45
50	66.7	242.2	121,000*b																			50
55	63.1	239.8	114,600*b																			55
60	59.5	237.0	108,800*	68.9	242.5	122,800*b																60
65	55.6	233.7	99,900*	65.4	240.3	116,700*b																65
70	51.7	229.9	90,000*	61.8	237.7	111,000*	67.4	240.3	116,800b													70
75	47.4	225.5	81,700*	58.1	234.7	105,700*	63.9	238.0	107,000b													75
80	42.9	220.4	74,700*	54.3	231.3	96,200*	60.3	235.2	98,700													80
85	37.9	214.3	68,700*	50.2	227.3	86,900*	56.5	232.0	91,500													85
90	32.2	207.0	63,400*	45.8	222.6	79,100*	52.6	228.4	85,200	62.4	233.9	80,100										90
95	25.4	197.6	58,800*	41.1	217.2	72,500*	48.4	224.1	79,600	58.7	231.0	74,800										95
100	16.0	183.7	54,700*	35.9	210.7	66,800*	43.9	219.2	74,700	54.9	227.6	70,200										100
105				30.0	202.8	61,800*	39.0	213.4	70,000*	50.9	223.7	66,000										105
110				22.5	192.3	57,400*	33.5	206.3	64,600*	46.6	219.2	62,300	56.9	225.3	58,300							110
115				10.9	174.7	53,400*	27.0	197.5	59,900*	41.9	213.9	58,900	53.0	221.7	55,100							115
120							18.5	185.1	55,700*	36.8	207.6	55,800	48.9	217.6	52,200							120
125										31.0	200.0	53,000	44.4	212.7	49,600							125
130										23.9	190.0	50,300	39.6	207.0	47,100	50.7	214.3	44,000				130
135										13.5	174.5	47,900	34.2	200.1	44,900	46.4	209.8	41,900				135
140													27.9	191.5	42,800	41.8	204.5	39,900				140
145													19.7	179.7	40,800	36.7	198.2	38,100	48.0	205.2	35,400	145
150																30.8	190.4	36,400	43.5	200.2	33,800	150
155																23.7	180.4	34,800	38.5	194.2	32,300	155
160																13.1	164.6	33,300	33.0	187.1	31,000	160
165																			26.4	178.0	29,600	165
170																			17.5	165.0	28,400	170

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

150 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	75.2	256.5	130,400*																			40
45	72.2	254.9	123,500*																			45
50	69.1	253.1	117,100*																			50
55	66.0	250.9	111,200*																			55
60	62.8	248.5	105,700*																			60
65	59.5	245.6	99,900*	68.0	251.2	113,200*																65
70	56.1	242.4	89,900*	64.9	249.0	107,900*																70
75	52.5	238.7	81,600*	61.7	246.4	102,900*	66.7	249.0	106,500													75
80	48.8	234.5	74,600*	58.3	243.4	96,200*	63.5	246.6	98,200													80
85	44.8	229.7	68,500*	54.9	240.0	86,900*	60.2	243.9	91,000													85
90	40.5	224.1	63,300*	51.2	236.1	79,000*	56.9	240.7	84,700													90
95	35.8	217.6	58,700*	47.4	231.7	72,400*	53.3	237.2	79,200	62.2	242.6	74,300										95
100	30.5	209.7	54,600*	43.3	226.6	66,600*	49.6	233.1	74,200	58.9	239.7	69,600										100
105	24.0	199.7	51,000*	38.9	220.8	61,600*	45.7	228.4	69,800	55.4	236.3	65,500										105
110	15.2	185.0	47,700*	34.0	213.8	57,200*	41.5	223.0	64,400*	51.8	232.5	61,800										110
115				28.3	205.3	53,300*	36.9	216.7	59,700*	48.1	228.2	58,400	57.3	234.0	54,500							115
120				21.3	194.1	49,800*	31.7	209.2	55,500*	44.0	223.3	55,300	53.7	230.5	51,600							120
125				10.3	175.6	46,600*	25.6	199.7	51,800*	39.7	217.6	52,500	50.1	226.5	49,000							125
130							17.5	186.6	48,500*	34.8	210.8	49,900	46.2	221.9	46,600							130
135										29.3	202.6	47,500	42.0	216.6	44,400	51.7	223.1	41,200				135
140										22.6	192.0	45,300	37.4	210.4	42,300	47.9	218.8	39,300				140
145										12.8	175.6	43,200	32.3	203.0	40,400	43.9	213.8	37,500				145
150													26.4	193.9	38,600	39.5	208.1	35,900				150
155													18.6	181.3	36,900	34.7	201.3	34,300	45.3	209.4	31,700	155
160																29.2	193.0	32,800	41.1	203.9	30,400	160
165																22.4	182.3	31,400	36.4	197.5	29,100	165
170																12.4	165.6	30,100	31.2	189.9	27,900	170
175																			24.9	180.2	26,700	175
180																			16.6	166.5	25,600	180

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

150 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	73.8	265.4	118,000*																			45
50	71.1	263.8	112,200*																			50
55	68.3	261.8	106,800*																			55
60	65.5	259.6	101,700*																			60
65	62.5	257.1	97,000*	70.1	262.0	108,600*																65
70	59.6	254.3	92,700*	67.3	259.9	103,800*																70
75	56.5	251.1	84,100*	64.4	257.6	99,200*																75
80	53.2	247.5	76,700*	61.5	255.0	91,900	66.1	257.8	87,100													80
85	49.9	243.4	70,500*	58.5	252.0	84,900	63.2	255.3	80,400													85
90	46.4	238.8	65,000*	55.3	248.7	78,800	60.2	252.5	74,600													90
95	42.6	233.6	60,300*	52.1	244.9	73,400	57.2	249.4	69,500													95
100	38.5	227.6	56,100*	48.7	240.7	68,500*	54.0	245.9	64,900	62.0	251.2	58,800										100
105	34.1	220.7	52,400*	45.1	235.9	63,300*	50.6	241.9	60,900	59.0	248.3	55,100										105
110	29.0	212.3	49,000*	41.2	230.4	58,800*	47.2	237.5	57,200	55.9	245.0	51,700										110
115	22.9	201.7	46,000*	37.0	224.1	54,800*	43.4	232.4	53,900	52.6	241.3	48,600										115
120	14.4	186.3	42,100*	32.3	216.7	51,200*	39.5	226.6	50,800	49.2	237.2	45,900	57.5	242.7	41,000							120
125				27.0	207.7	47,900*	35.1	219.9	48,100	45.7	232.5	43,300	54.3	239.2	38,700							125
130				20.3	195.9	45,000*	30.2	211.9	45,500	41.8	227.1	41,000	51.0	235.3	36,500							130
135				9.8	176.4	41,200*	24.3	201.9	43,100	37.7	221.0	38,900	47.6	230.9	34,600							135
140							16.7	188.0	40,900	33.1	213.8	36,900	43.9	225.9	32,800	52.5	231.9	28,800				140
145										27.9	205.1	35,000	39.9	220.2	31,100	49.1	227.8	27,300				145
150										21.5	193.9	33,300	35.6	213.6	29,500	45.6	223.1	25,800				150
155										12.2	176.6	31,600	30.8	205.8	28,100	41.7	217.7	24,500				155
160													25.1	196.1	26,700	37.6	211.5	23,300				160
165													17.7	182.9	25,300	33.0	204.3	22,100				165
170																27.8	195.5	21,000	43.1	213.4	18,900	170
175																21.3	184.2	19,900	39.1	207.5	17,900	175
180																11.8	166.6	18,900	34.7	200.7	17,000	180
185																			29.7	192.5	16,100	185
190																			23.7	182.3	15,300	190
																			15.8	167.8	14,400	190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

150 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.2	275.8	113,600*																			45
50	72.7	274.3	108,300*																			50
55	70.2	272.6	103,300*																			55
60	67.6	270.6	98,600*																			60
65	65.0	268.3	94,200*																			65
70	62.3	265.8	90,100*	69.3	270.8	100,500*																70
75	59.6	263.0	83,700*	66.7	268.7	96,300*																75
80	56.8	259.8	76,400*	64.1	266.3	91,300																80
85	53.8	256.2	70,100*	61.4	263.7	84,300	65.6	266.5	79,700													85
90	50.8	252.3	64,700*	58.6	260.7	78,200	62.9	264.0	73,900													90
95	47.6	247.9	59,900*	55.7	257.4	72,800	60.2	261.2	68,800													95
100	44.3	242.9	55,700*	52.8	253.7	68,100*	57.4	258.1	64,300													100
105	40.7	237.3	52,000*	49.7	249.6	62,900*	54.5	254.6	60,200	61.8	259.9	54,300										105
110	36.8	231.0	48,600*	46.4	245.0	58,400*	51.5	250.8	56,600	59.1	257.0	50,900										110
115	32.5	223.6	45,600*	43.0	239.9	54,400*	48.3	246.5	53,300	56.2	253.7	47,900										115
120	27.7	214.7	42,900*	39.3	234.0	50,800*	45.0	241.7	50,200	53.3	250.1	45,200										120
125	21.9	203.6	40,400*	35.4	227.3	47,500*	41.5	236.2	47,500	50.2	246.1	42,600	57.7	251.4	37,900							125
130	13.8	187.4	37,000*	30.9	219.5	44,600*	37.7	230.1	45,000	47.0	241.6	40,300	54.8	248.0	35,800							130
135				25.8	210.0	42,000*	33.5	222.9	42,600	43.6	236.5	38,200	51.8	244.2	33,800							135
140				19.4	197.6	39,600*	28.8	214.4	40,500	40.0	230.8	36,200	48.7	239.9	32,000							140
145				9.3	177.1	36,400*	23.3	203.9	38,400	36.0	224.3	34,400	45.4	235.2	30,400							145
150							15.9	189.4	36,500	31.7	216.6	32,700	41.9	229.8	28,800	50.1	236.7	25,000				150
155										26.7	207.4	31,100	38.1	223.7	27,400	46.9	232.2	23,700				155
160										20.6	195.7	29,600	34.0	216.7	26,000	43.5	227.1	22,500				160
165										11.6	177.6	28,100	29.4	208.4	24,700	39.9	221.3	21,400				165
170										24.0	198.2	23,500	24.0	198.2	23,500	35.9	214.8	20,300	48.0	227.5	18,100	170
175										16.9	184.3	22,400			22,400	31.5	207.1	19,300	44.7	222.7	17,100	175
180																26.5	197.9	18,300	41.1	217.2	16,200	180
185																20.4	186.0	17,400	37.3	210.9	15,300	185
190																11.2	167.6	16,400	33.1	203.7	14,500	190
195																			28.4	195.0	13,700	195
200																			22.7	184.3	13,000	200
																			15.0	169.1	12,200	200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

150 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.1	284.8	104,400*																			50
55	71.8	283.2	100,000*																			55
60	69.4	281.4	95,600*																			60
65	67.1	279.3	91,500*																			65
70	64.6	277.0	87,700*	71.0	281.4	97,300*																70
75	62.2	274.5	83,700*	68.6	279.5	93,500*																75
80	59.6	271.6	76,300*	66.2	277.4	89,800*																80
85	57.0	268.5	70,000*	63.8	275.0	84,000	67.6	277.4	79,400													85
90	54.3	265.0	64,500*	61.3	272.3	77,900	65.2	275.2	73,600													90
95	51.5	261.1	59,800*	58.7	269.4	72,500	62.7	272.6	68,500													95
100	48.7	256.9	55,600*	56.1	266.1	67,700	60.2	269.9	63,900													100
105	45.6	252.1	51,800*	53.4	262.5	62,800*	57.6	266.8	59,900													105
110	42.4	246.8	48,500*	50.5	258.5	58,300*	54.9	263.4	56,200	61.7	268.5	50,600										110
115	39.0	240.9	45,500*	47.6	254.1	54,200*	52.2	259.6	52,900	59.1	265.6	47,500										115
120	35.3	234.2	42,700*	44.5	249.2	50,600*	49.3	255.4	49,900	56.5	262.4	44,800										120
125	31.2	226.4	40,200*	41.2	243.7	47,400*	46.3	250.8	47,200	53.8	258.9	42,300										125
130	26.6	217.1	38,000*	37.7	237.5	44,500*	43.1	245.7	44,700	51.0	254.9	40,000	57.9	260.1	35,400							130
135	21.0	205.4	35,900*	33.9	230.4	41,800*	39.8	239.9	42,400	48.1	250.6	37,900	55.2	256.7	33,500							135
140	13.2	188.6	32,900*	29.6	222.1	39,400*	36.1	233.3	40,200	45.0	245.8	35,900	52.5	253.0	31,700							140
145				24.7	212.2	37,200*	32.2	225.8	38,200	41.8	240.4	34,100	49.6	248.8	30,000							145
150				18.6	199.2	35,200*	27.7	216.9	36,400	38.3	234.3	32,400	46.7	244.3	28,500							150
155				8.9	177.9	32,400*	22.3	205.9	34,600	34.5	227.4	30,900	43.5	239.2	27,100	50.9	245.5	23,400				155
160							15.3	190.7	33,000	30.4	219.3	29,400	40.2	233.5	25,700	48.0	241.2	22,200				160
165										25.6	209.7	28,000	36.6	227.0	24,500	44.9	236.3	21,100				165
170										19.7	197.4	26,600	32.6	219.6	23,300	41.7	230.9	20,000				170
175										11.1	178.5	25,300	28.2	210.9	22,200	38.2	224.8	19,000	46.0	231.8	15,900	175
180													23.0	200.2	21,100	34.4	217.9	18,000	42.8	226.6	15,000	180
185													16.2	185.7	20,100	30.3	209.8	17,100	39.4	220.8	14,200	185
190																25.4	200.1	16,300	35.8	214.1	13,500	190
195																19.5	187.7	15,400	31.8	206.5	12,700	195
200																10.8	168.5	14,600	27.2	197.5	12,000	200
205																			21.8	186.2	11,300	205
210																			14.4	170.3	10,700	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

150 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.3	295.2	100,400*																			50
55	73.1	293.7	96,300*																			55
60	71.0	292.0	92,400*																			60
65	68.8	290.2	88,500*																			65
70	66.6	288.1	85,000*																			70
75	64.3	285.7	81,600*	70.2	290.2	90,300*																75
80	62.0	283.1	75,900*	68.0	288.3	86,900*																80
85	59.6	280.3	69,600*	65.8	286.1	83,300																85
90	57.2	277.1	64,100*	63.5	283.7	77,300	67.1	286.1	72,900													90
95	54.8	273.7	59,300*	61.2	281.0	71,900	64.8	283.8	67,800													95
100	52.2	269.9	55,100*	58.8	278.0	67,100	62.5	281.3	63,300													100
105	49.5	265.8	51,400*	56.4	274.8	62,400*	60.2	278.5	59,200													105
110	46.8	261.2	48,000*	53.9	271.2	57,800*	57.8	275.5	55,600													110
115	43.9	256.2	45,000*	51.3	267.3	53,800*	55.3	272.1	52,300	61.6	277.2	46,800										115
120	40.8	250.6	42,300*	48.6	263.1	50,200*	52.8	268.4	49,300	59.2	274.3	44,100										120
125	37.5	244.3	39,800*	45.7	258.3	46,900*	50.1	264.3	46,600	56.8	271.1	41,600										125
130	34.0	237.2	37,500*	42.8	253.1	44,000*	47.4	259.9	44,100	54.3	267.6	39,300										130
135	30.0	229.1	35,400*	39.6	247.3	41,400*	44.5	254.9	41,800	51.7	263.8	37,200										135
140	25.6	219.4	33,500*	36.3	240.8	39,000*	41.5	249.5	39,600	49.0	259.5	35,200	55.6	265.4	30,900							140
145	20.2	207.2	31,700*	32.6	233.3	36,800*	38.2	243.4	37,700	46.2	254.9	33,400	53.1	261.7	29,300							145
150	12.7	189.7	29,100*	28.5	224.7	34,700*	34.8	236.5	35,800	43.3	249.8	31,800	50.4	257.7	27,800							150
155				23.8	214.3	32,900*	30.9	228.6	34,100	40.2	244.0	30,200	47.7	253.3	26,300							155
160				17.9	200.8	31,100*	26.6	219.3	32,500	36.8	237.6	28,700	44.8	248.4	25,000	51.6	254.4	21,400				160
165				8.6	178.6	28,800*	21.5	207.8	31,000	33.2	230.4	27,400	41.8	243.0	23,800	48.9	250.1	20,300				165
170							14.7	192.0	29,500	29.2	222.0	26,100	38.6	237.0	22,600	46.1	245.5	19,200				170
175										24.6	211.9	24,800	35.2	230.2	21,500	43.2	240.3	18,200				175
180										19.0	199.0	23,700	31.4	222.4	20,500	40.1	234.6	17,300	47.1	240.9	14,200	180
185										10.7	179.4	22,500	27.1	213.3	19,500	36.8	228.2	16,400	44.2	235.9	13,400	185
190													22.1	202.2	18,500	33.1	220.9	15,600	41.2	230.4	12,700	190
195													15.6	187.1	17,600	29.1	212.4	14,800	37.9	224.2	12,000	195
200																24.5	202.3	14,000	34.4	217.3	11,300	200
205																18.8	189.3	13,200	30.6	209.2	10,600	205
210																10.4	169.3	12,500	26.2	199.8	10,000	210
215																			20.9	188.0	9,400	215
220																			13.9	171.5	8,800	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

150 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.3	304.2	91,000*																			55
60	72.3	302.6	88,400*																			60
65	70.3	300.9	85,500*																			65
70	68.2	298.9	82,300*																			70
75	66.1	296.8	79,000*																			75
80	64.0	294.4	75,500*	69.5	299.1	84,200*																80
85	61.9	291.8	70,200*	67.5	297.0	81,200*																85
90	59.7	288.9	64,700*	65.4	294.8	76,600																90
95	57.4	285.8	59,900*	63.3	292.3	71,300	66.6	294.9	67,100													95
100	55.1	282.4	55,600*	61.1	289.7	66,500	64.5	292.5	62,600													100
105	52.7	278.7	51,800*	58.9	286.7	62,300	62.4	290.0	58,600													105
110	50.3	274.7	48,400*	56.6	283.5	58,300*	60.2	287.2	54,900													110
115	47.7	270.2	45,300*	54.3	280.0	54,200*	57.9	284.1	51,700													115
120	45.1	265.4	42,600*	51.9	276.2	50,600*	55.6	280.8	48,700	61.5	285.9	43,400										120
125	42.3	260.1	40,000*	49.4	272.0	47,300*	53.3	277.2	46,000	59.2	283.0	40,900										125
130	39.3	254.2	37,700*	46.8	267.4	44,300*	50.8	273.2	43,500	57.0	279.8	38,600										130
135	36.2	247.6	35,600*	44.1	262.4	41,700*	48.3	268.8	41,200	54.7	276.3	36,500										135
140	32.8	240.2	33,700*	41.3	256.9	39,200*	45.7	264.1	39,100	52.3	272.6	34,600										140
145	29.0	231.6	31,900*	38.2	250.8	37,000*	42.9	258.9	37,100	49.8	268.5	32,800	55.9	274.1	28,600							145
150	24.7	221.5	30,200*	35.0	243.9	35,000*	40.0	253.1	35,300	47.2	264.0	31,100	53.5	270.5	27,100							150
155	19.5	208.9	28,400*	31.5	236.1	33,100*	36.9	246.7	33,600	44.5	259.0	29,600	51.1	266.6	25,700							155
160	12.3	190.7	25,000*	27.5	227.1	31,300*	33.5	239.5	32,000	41.7	253.6	28,100	48.6	262.3	24,400							160
165				23.0	216.3	29,700*	29.8	231.2	30,500	38.7	247.6	26,800	46.0	257.6	23,100	52.2	263.2	19,600				165
170				17.3	202.3	28,200*	25.7	221.5	29,000	35.5	240.9	25,500	43.2	252.4	22,000	49.7	259.0	18,500				170
175				8.3	179.3	24,700*	20.7	209.6	27,700	32.1	233.3	24,300	40.3	246.7	20,900	47.2	254.5	17,500				175
180							14.2	193.2	26,400	28.2	224.5	23,100	37.3	240.4	19,800	44.5	249.6	16,600				180
185										23.8	214.0	22,000	33.9	233.3	18,900	41.6	244.1	15,700				185
190										18.3	200.6	21,000	30.3	225.2	17,900	38.7	238.1	14,900	45.4	245.1	12,000	190
195										10.3	180.3	20,000	26.2	215.7	17,100	35.4	231.4	14,100	39.7	234.0	10,600	195
200													21.4	204.0	16,200	32.0	223.7	13,400				200
205													15.1	188.4	15,400	28.1	214.9	12,700	36.6	227.5	10,000	205
210																23.6	204.3	12,000	33.2	220.2	9,400	210
215																18.1	190.9	11,300	29.5	211.9	8,800	215
220																10.0	170.2	10,600	25.2	202.0	8,200	220
225																			20.2	189.8	7,700	225
230																			13.4	172.7	7,100	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

150 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.3	314.5	83,400*																			55
60	73.4	313.1	81,400*																			60
65	71.6	311.5	79,100*																			65
70	69.6	309.7	76,600*																			70
75	67.7	307.7	73,900*																			75
80	65.8	305.5	71,000*	70.9	309.7	80,000*																80
85	63.8	303.1	68,100*	69.0	307.8	77,400*																85
90	61.8	300.5	64,800*	67.0	305.8	74,800*																90
95	59.7	297.6	59,900*	65.1	303.5	70,700																95
100	57.6	294.5	55,500*	63.1	301.0	65,900	66.2	303.6	61,900													100
105	55.4	291.1	51,700*	61.0	298.3	61,700	64.2	301.2	57,900													105
110	53.2	287.5	48,200*	59.0	295.4	57,900	62.2	298.6	54,300													110
115	50.9	283.5	45,100*	56.8	292.2	54,100*	60.2	295.8	51,000													115
120	48.6	279.2	42,300*	54.7	288.7	50,400*	58.1	292.8	48,000													120
125	46.1	274.5	39,800*	52.4	285.0	47,100*	55.9	289.5	45,300	61.4	294.5	40,200										125
130	43.5	269.4	37,400*	50.1	280.9	44,100*	53.7	285.9	42,800	59.3	291.6	37,900										130
135	40.9	263.8	35,300*	47.7	276.4	41,400*	51.4	282.0	40,600	57.2	288.5	35,800										135
140	38.0	257.6	33,400*	45.2	271.6	38,900*	49.1	277.8	38,400	55.0	285.1	33,900										140
145	35.0	250.8	31,500*	42.6	266.3	36,700*	46.7	273.2	36,500	52.8	281.4	32,100										145
150	31.7	243.0	29,900*	39.9	260.5	34,600*	44.1	268.2	34,700	50.5	277.3	30,500	56.2	282.8	26,300							150
155	28.0	234.1	28,300*	37.0	254.1	32,700*	41.5	262.7	33,000	48.1	273.0	28,900	54.0	279.2	24,900							155
160	23.9	223.6	26,900*	33.8	247.0	31,000*	38.7	256.6	31,400	45.6	268.2	27,500	51.7	275.4	23,600							160
165	18.8	210.5	25,200*	30.4	238.9	29,300*	35.7	249.9	29,900	43.0	263.0	26,100	49.4	271.2	22,400							165
170	11.9	191.7	22,100*	26.6	229.5	27,800*	32.4	242.4	28,500	40.3	257.3	24,800	46.9	266.6	21,200	52.7	271.9	17,700				170
175				22.2	218.2	26,400*	28.9	233.8	27,200	37.5	251.0	23,600	44.4	261.7	20,200	50.4	267.9	16,800				175
180				16.7	203.7	25,100*	24.8	223.7	25,900	34.4	244.0	22,500	41.8	256.3	19,100	48.0	263.5	15,800				180
185				8.0	180.0	21,900*	20.0	211.3	24,700	31.0	236.0	21,400	39.0	250.3	18,200	45.6	258.8	15,000				185
190							13.7	194.4	23,600	27.3	226.9	20,400	36.0	243.7	17,300	43.0	253.5	14,200				190
195										23.0	216.0	19,400	32.8	236.2	16,400	40.3	247.8	13,400	46.4	254.2	10,500	195
200										17.7	202.2	18,500	29.3	227.8	15,600	37.4	241.5	12,700	43.9	249.2	9,800	200
205										10.0	181.2	17,600	25.3	217.9	14,800	34.3	234.5	12,000	41.2	243.6	9,200	205
210													20.7	205.8	14,000	30.9	226.5	11,300	38.4	237.5	8,600	210
215													14.6	189.6	13,300	27.2	217.3	10,600	35.4	230.7	8,000	215
220																22.8	206.4	10,000	32.1	223.1	7,500	220
225																17.5	192.4	9,400	28.5	214.4	7,000	225
230																9.7	171.0	8,800	24.4	204.2	6,400	230
235																			19.5	191.5	5,900	235
240																			12.9	173.8	5,400	240

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

150 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.4	323.5	75,100*																			60
65	72.7	322.0	73,200*																			65
70	70.9	320.3	71,200*																			70
75	69.1	318.5	69,000*																			75
80	67.3	316.4	66,700*																			80
85	65.4	314.2	64,300*	70.3	318.5	73,900*																85
90	63.6	311.8	61,700*	68.5	316.6	72,300*																90
95	61.7	309.1	59,100*	66.6	314.5	70,100*																95
100	59.7	306.3	55,200*	64.8	312.2	65,500	67.7	314.5	61,500													100
105	57.7	303.2	51,400*	62.9	309.7	61,300	65.8	312.3	57,500													105
110	55.7	299.8	47,900*	61.0	307.0	57,500	64.0	309.9	53,900													110
115	53.6	296.2	44,800*	59.0	304.0	53,800*	62.1	307.3	50,600													115
120	51.5	292.3	42,000*	57.0	300.9	50,100*	60.1	304.5	47,600													120
125	49.3	288.1	39,500*	55.0	297.4	46,800*	58.2	301.5	44,900													125
130	47.0	283.6	37,100*	52.9	293.7	43,800*	56.2	298.2	42,500	61.3	303.2	37,500										130
135	44.6	278.7	35,000*	50.7	289.7	41,100*	54.1	294.6	40,200	59.3	300.3	35,400										135
140	42.2	273.3	33,000*	48.5	285.4	38,600*	52.0	290.8	38,100	57.3	297.2	33,500										140
145	39.6	267.4	31,200*	46.2	280.7	36,400*	49.8	286.7	36,100	55.3	293.8	31,700										145
150	36.8	261.0	29,600*	43.8	275.7	34,300*	47.5	282.2	34,300	53.2	290.1	30,100										150
155	33.9	253.8	28,000*	41.3	270.1	32,400*	45.2	277.4	32,600	51.1	286.2	28,500	56.4	291.5	24,500							155
160	30.7	245.8	26,600*	38.6	264.1	30,600*	42.7	272.1	31,000	48.9	281.9	27,100	54.3	288.0	23,200							160
165	27.2	236.5	25,200*	35.8	257.4	29,000*	40.2	266.4	29,600	46.6	277.3	25,700	52.2	284.2	22,000							165
170	23.1	225.7	23,900*	32.8	249.9	27,500*	37.4	260.1	28,200	44.2	272.3	24,500	50.0	280.1	20,900							170
175	18.2	212.1	22,400*	29.5	241.5	26,100*	34.6	253.1	26,900	41.7	266.8	23,300	47.8	275.7	19,800							175
180	11.5	192.7	19,600*	25.8	231.8	24,800*	31.4	245.2	25,600	39.1	260.9	22,200	45.5	270.9	18,800	51.0	276.8	15,500				180
185				21.5	220.1	23,500*	28.0	236.3	24,500	36.3	254.3	21,100	43.0	265.7	17,800	48.8	272.5	14,600				185
190				16.2	205.1	22,300*	24.1	225.9	23,300	33.3	247.0	20,100	40.5	260.0	16,900	46.5	267.9	13,800				190
195				7.7	180.6	19,500*	19.4	213.0	22,300	30.0	238.7	19,200	37.8	253.7	16,100	44.1	262.8	13,000				195
200							13.3	195.5	21,200	26.4	229.2	18,200	34.9	246.8	15,200	41.6	257.4	12,300	47.3	263.3	9,400	200
205										22.3	218.0	17,400	31.8	239.1	14,500	39.0	251.4	11,600	45.0	258.4	8,800	205
210										17.2	203.7	16,500	28.4	230.3	13,700	36.2	244.8	10,900	42.5	253.1	8,200	210
215										9.7	182.0	15,700	24.5	220.1	13,000	33.2	237.4	10,300	39.9	247.3	7,700	215
220													20.0	207.6	12,300	29.9	229.2	9,700	37.2	240.9	7,100	220
225													14.1	190.9	11,600	26.3	219.6	9,100	34.3	233.8	6,600	225
230																22.1	208.3	8,500	31.1	225.9	6,100	230
235																17.0	193.9	8,000	27.6	216.9	5,600	235
240																9.4	171.8	7,400	23.7	206.2	5,200	240
245																			18.9	193.1	4,700	245
250																			12.5	174.9	4,300	250

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

150 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.3	333.9	69,000*																			60
65	73.7	332.5	67,500*																			65
70	72.0	330.9	65,900*																			70
75	70.3	329.2	64,200*																			75
80	68.6	327.2	62,300*																			80
85	66.9	325.2	60,300*																			85
90	65.1	322.9	58,200*	69.7	327.3	67,400*																90
95	63.4	320.4	56,000*	68.0	325.4	65,900*																95
100	61.6	317.8	53,800*	66.3	323.2	63,600*																100
105	59.7	314.9	50,800*	64.5	320.9	60,700	67.3	323.2	56,800													105
110	57.9	311.8	47,400*	62.7	318.4	56,900	65.5	321.0	53,200													110
115	56.0	308.5	44,300*	60.9	315.6	53,300*	63.8	318.6	49,900													115
120	54.0	305.0	41,500*	59.1	312.7	49,600*	62.0	316.0	47,000													120
125	52.0	301.1	38,900*	57.2	309.5	46,300*	60.1	313.2	44,300													125
130	49.9	297.0	36,600*	55.3	306.1	43,300*	58.3	310.1	41,800	63.0	314.5	36,800										130
135	47.8	292.6	34,500*	53.3	302.5	40,600*	56.4	306.9	39,500	61.2	311.9	34,700										135
140	45.6	287.8	32,500*	51.3	298.6	38,100*	54.4	303.4	37,400	59.4	309.0	32,800										140
145	43.3	282.7	30,700*	49.2	294.3	35,800*	52.4	299.6	35,500	57.5	305.8	31,000										145
150	40.9	277.0	29,000*	47.0	289.8	33,800*	50.4	295.6	33,700	55.6	302.5	29,400										150
155	38.4	270.9	27,500*	44.8	284.9	31,900*	48.3	291.2	32,000	53.6	298.9	27,800										155
160	35.7	264.2	26,000*	42.5	279.6	30,100*	46.1	286.5	30,400	51.6	295.0	26,400	56.6	300.2	22,500							160
165	32.9	256.8	24,700*	40.0	273.8	28,500*	43.8	281.4	29,000	49.5	290.8	25,100	54.7	296.7	21,300							165
170	29.8	248.4	23,400*	37.5	267.5	27,000*	41.5	275.9	27,600	47.4	286.3	23,800	52.7	293.0	20,100							170
175	26.4	238.9	22,200*	34.8	260.5	25,600*	39.0	269.9	26,300	45.2	281.5	22,600	50.6	289.0	19,100							175
180	22.4	227.7	21,100*	31.8	252.8	24,200*	36.3	263.3	25,100	42.9	276.2	21,500	48.5	284.6	18,100							180
185	17.7	213.7	19,700*	28.6	244.0	23,000*	33.5	256.1	23,900	40.5	270.5	20,500	46.4	280.0	17,100	51.5	285.6	13,800				185
190	11.1	193.6	17,200*	25.0	234.0	21,800*	30.5	248.0	22,800	37.9	264.3	19,500	44.1	274.9	16,200	49.5	281.4	13,000				190
195				20.9	222.0	20,700*	27.2	238.7	21,700	35.2	257.5	18,500	41.7	269.5	15,400	47.3	276.9	12,300				195
200				15.7	206.5	19,700*	23.4	227.9	20,700	32.3	249.9	17,600	39.3	263.5	14,600	45.1	272.0	11,600				200
205				7.5	181.2	17,100*	18.9	214.7	19,800	29.2	241.3	16,800	36.7	257.0	13,800	42.8	266.8	10,900				205
210							12.9	196.6	18,800	25.7	231.5	16,000	33.9	249.9	13,100	40.4	261.1	10,200	45.9	267.5	7,500	210
215										21.6	219.9	15,200	30.9	241.8	12,400	37.8	254.8	9,600	43.6	262.4	6,900	215
220										16.7	205.1	14,400	27.6	232.7	11,700	35.1	248.0	9,000	41.2	256.9	6,400	220
225										9.4	182.8	13,600	23.8	222.2	11,000	32.2	240.3	8,400	38.7	250.8	5,900	225
230													19.4	209.3	10,400	29.1	231.8	7,900	36.1	244.2	5,400	230
235													13.7	192.0	9,800	25.6	221.9	7,300	33.3	236.8	4,900	235
240																21.5	210.2	6,800	30.2	228.6	4,500	240
245																16.5	195.3	6,300	26.8	219.3	4,000	245
250																9.1	172.6	5,800				250

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207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

150 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.6	342.9	62,300*																			65
70	73.0	341.4	61,000*																			70
75	71.4	339.8	59,500*																			75
80	69.8	338.0	58,000*																			80
85	68.2	336.0	56,400*																			85
90	66.5	333.9	54,700*	70.8	338.0	62,900*																90
95	64.9	331.6	52,800*																			95
100	63.2	329.1	51,000*	67.6	334.1	59,200*																100
105	61.5	326.4	49,100*	65.9	331.9	57,200*																105
110	59.7	323.6	46,900*	64.3	329.6	55,100*	66.9	332.0	52,600													110
115	58.0	320.5	43,800*	62.6	327.0	52,800*	65.2	329.7	49,300													115
120	56.2	317.2	41,000*	60.9	324.3	49,100*	63.6	327.3	46,400													120
125	54.3	313.7	38,400*	59.1	321.4	45,800*	61.9	324.6	43,700													125
130	52.4	309.9	36,100*	57.3	318.2	42,800*	60.1	321.8	41,200													130
135	50.5	305.9	34,000*	55.5	314.9	40,100*	58.4	318.8	39,000	62.9	323.2	34,100										135
140	48.5	301.6	32,000*	53.7	311.2	37,600*	56.6	315.6	36,900	61.2	320.5	32,200										140
145	46.4	296.9	30,200*	51.8	307.4	35,300*	54.7	312.1	34,900	59.4	317.6	30,400										145
150	44.3	291.9	28,500*	49.8	303.2	33,300*	52.9	308.4	33,100	57.6	314.5	28,800										150
155	42.1	286.5	27,000*	47.8	298.8	31,400*	50.9	304.4	31,400	55.8	311.2	27,200										155
160	39.8	280.7	25,500*	45.7	294.0	29,600*	49.0	300.1	29,900	54.0	307.6	25,800										160
165	37.3	274.3	24,200*	43.5	288.9	28,000*	46.9	295.6	28,400	52.1	303.8	24,500	56.8	308.9	20,600							165
170	34.7	267.3	22,900*	41.3	283.4	26,500*	44.8	290.7	27,000	50.1	299.7	23,200	54.9	305.4	19,500							170
175	32.0	259.6	21,700*	38.9	277.3	25,100*	42.6	285.3	25,700	48.1	295.3	22,100	53.1	301.7	18,400							175
180	29.0	251.0	20,600*	36.4	270.8	23,700*	40.3	279.6	24,500	46.0	290.6	20,900	51.2	297.8	17,400							180
185	25.6	241.2	19,600*	33.8	263.6	22,500*	37.9	273.4	23,400	43.9	285.5	19,900	49.2	293.6	16,500							185
190	21.8	229.6	18,600*	30.9	255.5	21,300*	35.3	266.5	22,300	41.7	280.1	18,900	47.1	289.0	15,600	52.0	294.4	12,400				190
195	17.2	215.2	17,300*	27.8	246.5	20,200*	32.6	259.0	21,200	39.3	274.1	18,000	45.0	284.1	14,800	50.1	290.3	11,600				195
200	10.8	194.6	15,000*	24.4	236.1	19,200*	29.7	250.6	20,300	36.9	267.6	17,100	42.8	278.9	14,000	48.1	285.9	10,900				200
205				20.3	223.7	18,200*	26.4	241.1	19,300	34.2	260.5	16,200	40.6	273.2	13,200	46.0	281.2	10,200				205
210				15.3	207.8	17,300*	22.7	229.9	18,400	31.4	252.7	15,400	38.2	267.0	12,500	43.8	276.1	9,600				210
215				7.3	181.8	15,000*	18.3	216.3	17,500	28.4	243.8	14,700	35.6	260.3	11,800	41.6	270.6	9,000	46.7	276.6	6,300	215
220							12.5	197.7	16,700	25.0	233.7	13,900	32.9	252.8	11,100	39.3	264.6	8,400	44.6	271.7	5,700	220
225										21.0	221.7	13,200	30.0	244.5	10,500	36.8	258.2	7,800	42.4	266.3	5,200	225
230										16.2	206.5	12,500	26.8	235.1	9,900	34.2	251.0	7,300	40.1	260.5	4,800	230
235										9.1	183.5	11,800	23.2	224.2	9,300	31.3	243.1	6,800	37.7	254.2	4,300	235
240													18.9	210.9	8,700	28.3	234.3	6,300				240
245													13.3	193.2	8,100	24.9	224.1	5,800				245
250																20.9	212.0	5,300				250
255																16.1	196.7	4,800				255
260																8.8	173.3	4,300				260

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

150 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.3	353.3	57,000*																65
70	73.9	351.9	56,000*																70
75	72.4	350.3	54,800*																75
80	70.8	348.6	53,600*																80
85	69.3	346.8	52,300*																85
90	67.8	344.8	50,900*																90
95	66.2	342.6	49,400*	70.3	346.8	55,100*													95
100	64.6	340.3	47,600*	68.8	344.9	53,200*													100
105	63.0	337.8	45,400*	67.2	342.9	51,300*													105
110	61.4	335.1	43,300*	65.7	340.6	49,300*													110
115	59.8	332.2	41,300*	64.1	338.3	47,200*	66.6	340.7	48,700										115
120	58.1	329.2	39,400*	62.5	335.7	45,100*	65.0	338.4	45,700										120
125	56.4	325.9	37,500*	60.8	333.0	43,100*	63.4	335.9	43,000										125
130	54.6	322.4	35,600*	59.2	330.0	41,100*	61.8	333.3	40,600										130
135	52.8	318.7	33,800*	57.5	326.9	39,200*	60.1	330.5	38,300										135
140	51.0	314.7	31,800*	55.8	323.6	37,300*	58.5	327.5	36,200	62.7	331.9	31,400							140
145	49.1	310.5	30,000*	54.0	320.0	35,200*	56.7	324.3	34,300	61.1	329.2	29,700							145
150	47.2	306.0	28,300*	52.2	316.2	33,100*	55.0	320.8	32,500	59.4	326.3	28,100							150
155	45.2	301.1	26,700*	50.3	312.1	31,200*	53.2	317.2	30,800	57.8	323.2	26,500							155
160	43.1	295.9	25,200*	48.4	307.8	29,400*	51.4	313.2	29,300	56.0	319.9	25,100							160
165	41.0	290.3	23,800*	46.5	303.1	27,700*	49.5	309.1	27,800	54.3	316.3	23,800							165
170	38.7	284.2	22,600*	44.5	298.1	26,200*	47.6	304.6	26,400	52.5	312.6	22,500	56.9	317.5	18,700				170
175	36.3	277.6	21,400*	42.4	292.8	24,700*	45.6	299.8	25,100	50.7	308.6	21,400	55.2	314.1	17,700				175
180	33.8	270.4	20,200*	40.2	287.0	23,400*	43.6	294.7	23,900	48.8	304.3	20,300	53.4	310.5	16,700				180
185	31.1	262.4	19,200*	37.9	280.8	22,100*	41.5	289.1	22,800	46.8	299.7	19,200	51.6	306.6	15,800				185
190	28.2	253.5	18,200*	35.5	274.0	21,000*	39.2	283.2	21,700	44.8	294.7	18,300	49.8	302.5	14,900				190
195	25.0	243.4	17,200*	32.9	266.5	19,900*	36.9	276.7	20,700	42.7	289.5	17,300	47.8	298.0	14,100	52.4	303.2	10,900	195
200	21.3	231.4	16,300*	30.1	258.2	18,800*	34.4	269.6	19,700	40.6	283.8	16,400	45.9	293.3	13,300	50.6	299.1	10,200	200
205	16.8	216.6	15,100*	27.1	248.9	17,800*	31.8	261.9	18,700	38.3	277.6	15,600	43.8	288.2	12,500	48.7	294.8	9,500	205
210	10.6	195.5	13,000*	23.7	238.2	16,900*	28.9	253.2	17,900	35.9	270.9	14,800	41.7	282.7	11,800	46.8	290.2	8,800	210
215				19.8	225.5	16,000*	25.7	243.3	17,000	33.3	263.5	14,000	39.5	276.8	11,100	44.7	285.3	8,200	215
220				14.9	209.1	15,200*	22.1	231.9	16,200	30.6	255.4	13,300	37.2	270.4	10,400	42.7	280.0	7,700	220
225				7.1	182.4	13,000*	17.9	217.8	15,400	27.6	246.3	12,600	34.7	263.4	9,800	40.5	274.3	7,100	225
230							12.2	198.7	14,600	24.3	235.9	11,900	32.1	255.7	9,200	38.2	268.1	6,600	230
235										20.5	223.5	11,300	29.2	247.1	8,600	35.8	261.4	6,100	235
240										15.8	207.9	10,600	26.1	237.4	8,100	33.3	254.0	5,600	240
245										8.9	184.3	10,000	22.6	226.2	7,500	30.5	245.9	5,100	245
250													18.4	212.5	7,000	27.5	236.7	4,600	250
255													13.0	194.3	6,500	24.2	226.2	4,200	255

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

160 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	64.3	232.6	135,600*b																			45
50	59.6	229.9	128,000*b																			50
55	54.7	226.5	121,100*b																			55
60	49.4	222.4	111,900*	63.5	230.9	131,000*b																60
65	43.7	217.5	99,800*	58.8	228.1	124,200*b	66.6	231.3	128,200b													65
70	37.2	211.4	89,900*	53.8	224.6	118,000*b	62.0	228.8	116,700b													70
75	29.6	203.6	81,600*	48.4	220.4	109,600*	57.2	225.7	107,000b													75
80	19.3	192.0	74,600*	42.6	215.3	97,900*	52.1	222.0	98,700b													80
85				36.0	209.0	88,400*	46.6	217.6	91,500	60.9	224.9	85,800b										85
90				28.0	200.6	80,300*	40.6	212.1	85,200	56.0	221.7	79,900b										90
95				16.7	187.8	73,500*	33.6	205.2	79,700	50.8	217.8	74,700										95
100							24.9	195.9	74,700	45.2	213.2	70,100										100
105							10.7	179.3	70,100	39.0	207.4	65,900	54.4	216.2	61,500b							105
110										31.7	200.1	62,200	49.2	212.1	58,100							110
115										22.4	189.8	58,700	43.4	207.2	54,900							115
120													36.9	201.0	52,000	52.4	209.2	48,400				120
125													29.2	193.0	49,300	47.0	204.8	45,900				125
130													18.6	181.1	46,800	40.9	199.4	43,600				130
135																34.0	192.6	41,500				135
140																25.5	183.5	39,600	44.0	195.6	36,700	140
145																12.1	167.9	37,700	37.6	189.6	35,000	145
150																			30.1	181.8	33,400	150
155																			20.0	170.6	31,900	155

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

160 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	67.7	243.7	131,000*b																			45
50	63.8	241.3	123,900*b																			50
55	59.7	238.5	117,400*b																			55
60	55.4	235.2	111,500*	67.0	242.0	126,900*b																60
65	50.9	231.3	100,300*	63.1	239.6	120,600*b																65
70	46.0	226.8	90,300*	58.9	236.7	114,700*b	65.8	240.0	116,200b													70
75	40.7	221.3	82,000*	54.6	233.3	109,300*	61.7	237.4	106,500b													75
80	34.7	214.6	74,900*	50.0	229.3	98,400*	57.6	234.4	98,200													80
85	27.6	206.0	68,900*	45.1	224.6	88,800*	53.1	230.8	91,100													85
90	17.9	193.5	63,600*	39.7	219.0	80,700*	48.5	226.6	84,800	60.7	233.5	79,300b										90
95				33.5	212.0	73,800*	43.4	221.6	79,300	56.5	230.4	74,100										95
100				26.1	202.9	67,900*	37.8	215.6	74,400	52.0	226.7	69,500										100
105				15.6	189.1	62,800*	31.3	208.0	69,900	47.3	222.3	65,400										105
110							23.3	198.0	65,900	42.1	217.1	61,700	55.2	224.9	57,500							110
115							10.0	180.2	61,300*	36.3	210.7	58,300	50.6	221.0	54,300							115
120										29.6	202.7	55,300	45.7	216.4	51,500							120
125										20.9	191.7	52,400	40.4	210.9	48,800							125
130													34.4	204.1	46,400	48.7	213.8	43,000				130
135													27.2	195.4	44,200	43.7	208.8	41,000				135
140													17.3	182.6	42,100	38.1	202.9	39,100				140
145																31.7	195.5	37,300	46.3	204.8	34,400	145
150																23.8	185.6	35,600	41.0	199.4	32,900	150
155																11.2	168.8	34,000	35.1	192.8	31,400	155
160																			28.0	184.3	30,100	160
165																			18.6	172.2	28,700	165

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
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THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

160 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	70.3	254.4	126,600*b																			45
50	66.9	252.4	120,000*b																			50
55	63.4	250.0	114,000*b																			55
60	59.7	247.2	108,400*	69.7	252.9	122,800*b																60
65	55.9	243.9	100,700*	66.3	250.8	117,000*b																65
70	51.9	240.2	90,600*	62.7	248.3	111,500*																70
75	47.7	235.8	82,200*	59.0	245.4	106,400*	65.1	248.7	106,100b													75
80	43.2	230.8	75,100*	55.2	242.1	98,800*	61.5	246.1	97,800													80
85	38.2	224.8	69,000*	51.2	238.2	89,000*	57.8	243.1	90,700													85
90	32.6	217.5	63,800*	46.9	233.7	80,900*	53.9	239.6	84,400													90
95	25.9	208.3	59,100*	42.3	228.5	74,000*	49.9	235.5	78,900	60.7	242.2	73,700										95
100	16.9	195.0	55,000*	37.3	222.4	68,100*	45.5	230.8	74,000	56.9	239.1	69,100										100
105				31.5	214.8	62,900*	40.8	225.3	69,600	53.0	235.5	65,000										105
110				24.5	205.1	58,400*	35.5	218.8	65,700	48.8	231.3	61,300										110
115				14.6	190.4	54,400*	29.4	210.7	61,400*	44.4	226.4	58,000	55.7	233.7	53,800							115
120							21.9	199.9	57,100*	39.5	220.7	54,900	51.7	229.9	51,000							120
125							9.4	180.9	53,200*	34.1	213.8	52,100	47.5	225.5	48,400							125
130										27.8	205.2	49,500	43.0	220.4	46,000							130
135										19.6	193.4	47,100	38.0	214.4	43,800	50.1	222.7	40,500				135
140													32.3	207.0	41,800	45.8	218.1	38,600				140
145													25.6	197.7	39,900	41.0	212.6	36,900				145
150													16.3	184.0	38,100	35.8	206.1	35,200	48.0	213.8	32,400	150
155																29.8	198.1	33,700	43.5	208.8	31,000	155
160																22.4	187.5	32,200	38.5	202.9	29,600	160
165																10.5	169.7	30,800	33.0	195.7	28,400	165
170																			26.4	186.6	27,200	170
175																			17.5	173.7	26,000	175

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

160 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	72.4	265.0	122,100*b																			45
50	69.3	263.2	116,000*b																			50
55	66.2	261.1	110,300*																			55
60	63.0	258.6	105,100*																			60
65	59.7	255.8	100,100*	68.8	261.6	113,200*b																65
70	56.3	252.6	90,600*	65.7	259.5	108,100*																70
75	52.8	249.0	82,200*	62.4	256.9	99,800	67.8	259.6	94,200b													75
80	49.1	244.8	75,000*	59.1	254.1	91,800	64.6	257.4	86,600													80
85	45.1	240.0	68,900*	55.7	250.8	84,800	61.4	254.7	80,000													85
90	40.8	234.5	63,600*	52.1	247.0	78,700	58.1	251.7	74,200													90
95	36.2	228.1	59,000*	48.4	242.8	73,400	54.6	248.3	69,100													95
100	30.9	220.3	54,900*	44.4	237.9	68,000*	50.9	244.4	64,600	60.6	250.9	58,000										100
105	24.5	210.5	51,200*	40.0	232.2	62,800*	47.1	239.9	60,600	57.2	247.8	54,300										105
110	16.0	196.3	47,900*	35.3	225.6	58,200*	43.0	234.8	56,900	53.7	244.2	51,000										110
115				29.8	217.5	54,200*	38.5	228.9	53,600	50.0	240.2	48,000										115
120				23.2	207.1	50,600*	33.6	221.8	50,600	46.1	235.6	45,300	56.2	242.4	40,000							120
125				13.8	191.6	47,400*	27.9	213.1	47,900	42.0	230.3	42,800	52.6	238.7	37,800							125
130							20.7	201.7	45,300	37.4	224.1	40,500	48.9	234.5	35,700							130
135							8.8	181.6	42,800	32.3	216.7	38,400	44.9	229.7	33,800							135
140										26.3	207.5	36,400	40.6	224.1	32,000	51.2	231.6	27,700				140
145										18.5	195.0	34,500	35.9	217.6	30,400	47.3	227.1	26,300				145
150													30.6	209.8	28,900	43.3	222.1	24,900				150
155													24.2	199.8	27,400	38.8	216.2	23,600				155
160													15.4	185.3	26,000	33.9	209.2	22,400	45.3	218.1	18,800	160
165																28.2	200.6	21,300	41.1	212.6	17,800	165
170																21.2	189.4	20,200	36.4	206.2	16,900	170
175																9.9	170.5	19,100	31.2	198.5	16,000	175
180																			24.9	188.8	15,100	180
185																			16.6	175.1	14,300	185

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

160 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.0	275.5	116,500*b																			45
50	71.3	273.9	111,000*b																			50
55	68.5	272.0	105,900*																			55
60	65.7	269.8	101,000*																			60
65	62.8	267.3	96,500*	70.8	272.3	108,300*b																65
70	59.8	264.5	92,400*	68.0	270.4	103,800*																70
75	56.7	261.3	84,600*	65.1	268.2	99,200																75
80	53.5	257.7	77,200*	62.2	265.6	91,100	67.1	268.4	85,900													80
85	50.1	253.7	70,900*	59.2	262.7	84,200	64.2	266.0	79,300													85
90	46.6	249.2	65,400*	56.1	259.5	78,100	61.3	263.4	73,500													90
95	42.9	244.0	60,600*	52.9	255.8	72,800	58.2	260.4	68,500													95
100	38.8	238.1	56,400*	49.5	251.7	68,000	55.1	257.0	64,000													100
105	34.4	231.2	52,600*	46.0	247.1	63,800	51.8	253.2	60,000	60.5	259.5	53,600										105
110	29.4	222.9	49,200*	42.2	241.8	59,800*	48.4	248.9	56,300	57.5	256.4	50,300										110
115	23.3	212.5	46,200*	38.1	235.7	55,700*	44.8	244.1	53,100	54.3	253.0	47,300										115
120	15.2	197.6	42,700*	33.5	228.6	52,000*	40.9	238.6	50,100	51.0	249.1	44,600										120
125				28.4	220.0	48,700*	36.7	232.2	47,300	47.5	244.7	42,200	56.5	251.1	37,000							125
130				22.1	209.1	45,700*	32.0	224.7	44,800	43.9	239.7	39,900	53.3	247.5	35,000							130
135				13.2	192.7	43,000*	26.5	215.5	42,500	39.9	233.9	37,800	50.0	243.4	33,100							135
140							19.7	203.4	40,300	35.6	227.3	35,800	46.4	238.8	31,400							140
145							8.4	182.3	38,200	30.7	219.5	34,000	42.7	233.6	29,700	52.0	240.4	25,500				145
150										25.0	209.7	32,300	38.6	227.7	28,200	48.6	236.1	24,200				150
155										17.6	196.5	30,700	34.2	220.7	26,800	45.0	231.3	22,900				155
160													29.1	212.4	25,500	41.1	225.8	21,700				160
165													23.0	201.8	24,200	36.9	219.5	20,600	46.8	227.2	17,100	165
170													14.6	186.6	23,000	32.2	212.1	19,600	43.1	222.0	16,200	170
175																26.9	203.0	18,600	39.1	216.2	15,300	175
180																20.1	191.1	17,600	34.7	209.3	14,500	180
185																9.4	171.3	16,600	29.7	201.2	13,700	185
190																			23.7	190.9	12,900	190
195																			15.8	176.5	12,200	195

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

160 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.4	285.9	112,000*																			45
50	72.9	284.4	107,000*																			50
55	70.4	282.7	102,200*																			55
60	67.8	280.7	97,700*																			60
65	65.2	278.5	93,600*																			65
70	62.5	276.0	89,700*	69.9	281.1	100,200*																70
75	59.8	273.2	84,300*	67.4	279.1	96,300*																75
80	57.0	270.0	76,900*	64.7	276.8	90,500																80
85	54.0	266.5	70,500*	62.0	274.3	83,600	66.5	277.1	78,600													85
90	51.0	262.6	65,000*	59.3	271.4	77,500	63.9	274.7	72,800													90
95	47.8	258.2	60,200*	56.4	268.2	72,200	61.2	272.1	67,800													95
100	44.5	253.3	56,000*	53.5	264.6	67,400	58.4	269.1	63,300													100
105	40.9	247.8	52,200*	50.5	260.6	63,200	55.5	265.7	59,300													105
110	37.1	241.4	48,800*	47.3	256.1	59,400*	52.5	262.0	55,700	60.5	268.2	49,600										110
115	32.9	234.1	45,800*	43.9	251.1	55,300*	49.4	257.9	52,400	57.7	265.1	46,600										115
120	28.1	225.4	43,000*	40.3	245.5	51,600*	46.2	253.3	49,500	54.8	261.7	43,900										120
125	22.3	214.5	40,500*	36.4	239.0	48,300*	42.7	248.0	46,700	51.8	257.9	41,400										125
130	14.5	198.9	37,600*	32.0	231.5	45,300*	39.0	242.1	44,200	48.7	253.6	39,200	56.8	259.7	34,200							130
135				27.1	222.4	42,600*	35.0	235.4	41,900	45.4	248.9	37,100	53.9	256.2	32,300							135
140				21.1	210.9	40,100*	30.5	227.4	39,800	41.9	243.5	35,200	50.9	252.3	30,600							140
145				12.6	193.7	37,900*	25.3	217.7	37,800	38.1	237.4	33,400	47.7	247.9	29,000							145
150							18.8	205.0	35,900	34.0	230.4	31,700	44.3	242.9	27,500	52.7	249.2	23,300				150
155							8.0	183.0	34,100	29.4	222.1	30,200	40.7	237.4	26,100	49.6	245.1	22,100				155
160										23.9	211.9	28,700	36.9	231.0	24,800	46.4	240.5	20,900				160
165										16.9	197.9	27,300	32.6	223.6	23,600	42.9	235.3	19,900				165
170													27.8	214.8	22,400	39.3	229.4	18,800	48.0	236.2	15,400	170
175													22.0	203.7	21,300	35.3	222.7	17,900	44.7	231.3	14,500	175
180													14.0	187.8	20,200	30.8	214.9	16,900	41.1	225.8	13,700	180
185																25.7	205.3	16,000	37.3	219.6	12,900	185
190																19.2	192.8	15,200	33.1	212.3	12,200	190
195																9.0	172.0	14,300	28.4	203.7	11,500	195
200																			22.7	192.9	10,800	200
205																			15.0	177.8	10,100	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

160 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.3	294.9	103,100*																			50
55	72.0	293.3	98,800*																			55
60	69.6	291.5	94,700*																			60
65	67.2	289.5	90,800*																			65
70	64.8	287.2	87,100*																			70
75	62.3	284.6	83,600*	69.2	289.9	93,200*																75
80	59.8	281.8	76,800*	66.8	287.9	89,800*																80
85	57.2	278.7	70,400*	64.4	285.5	83,200																85
90	54.5	275.2	64,900*	61.9	282.9	77,200	66.0	285.8	72,500													90
95	51.7	271.4	60,100*	59.3	280.1	71,800	63.6	283.4	67,400													95
100	48.9	267.2	55,800*	56.7	276.9	67,100	61.1	280.7	63,000													100
105	45.8	262.5	52,100*	54.0	273.3	62,900	58.5	277.7	59,000													105
110	42.6	257.2	48,700*	51.2	269.4	59,100	55.9	274.4	55,400	63.0	279.6	49,200										110
115	39.2	251.3	45,700*	48.3	265.1	55,200*	53.1	270.8	52,100	60.5	276.8	46,200										115
120	35.6	244.7	42,900*	45.3	260.3	51,500*	50.3	266.8	49,100	57.9	273.8	43,500										120
125	31.5	237.0	40,400*	42.0	255.0	48,200*	47.4	262.3	46,400	55.2	270.4	41,100										125
130	26.9	227.8	38,100*	38.6	249.0	45,200*	44.3	257.4	44,000	52.5	266.7	38,800										130
135	21.4	216.3	36,000*	34.9	242.1	42,500*	41.0	251.8	41,700	49.6	262.6	36,800	57.1	268.4	31,900							135
140	13.9	200.1	33,400*	30.7	234.2	40,000*	37.4	245.6	39,600	46.6	258.0	34,900	54.4	264.9	30,200							140
145				26.0	224.7	37,800*	33.6	238.4	37,600	43.5	252.9	33,100	51.6	261.1	28,600							145
150				20.3	212.7	35,700*	29.3	230.0	35,800	40.1	247.2	31,400	48.7	256.8	27,200							150
155				12.1	194.8	33,700*	24.3	219.9	34,100	36.5	240.7	29,900	45.7	252.1	25,800							155
160							18.0	206.6	32,400	32.6	233.3	28,500	42.5	246.8	24,500	50.5	253.9	20,600				160
165							7.7	183.6	30,800	28.2	224.6	27,100	39.1	240.9	23,300	47.5	249.5	19,500				165
170										22.9	213.9	25,800	35.4	234.2	22,100	44.4	244.6	18,500				170
175										16.2	199.3	24,600	31.3	226.4	21,100	41.2	239.1	17,600				175
180													26.7	217.2	20,000	37.6	232.9	16,600	46.0	240.5	13,400	180
185													21.1	205.6	19,000	33.8	225.8	15,800	42.8	235.3	12,600	185
190													13.4	188.9	18,100	29.6	217.5	15,000	39.4	229.4	11,900	190
195																24.6	207.5	14,200	35.8	222.8	11,200	195
200																18.5	194.4	13,400	31.8	215.2	10,600	200
205																8.6	172.7	12,600	27.2	206.1	9,900	205
210																			21.8	194.8	9,300	210
215																			14.4	179.0	8,700	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

160 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.4	305.3	97,000*																			50
55	73.3	303.8	94,200*																			55
60	71.1	302.2	91,100*																			60
65	68.9	300.3	87,700*																			65
70	66.7	298.2	84,100*																			70
75	64.5	295.9	80,200*	70.7	300.6	89,900*																75
80	62.2	293.3	76,200*	68.5	298.7	86,700*																80
85	59.8	290.5	70,000*	66.3	296.6	82,600																85
90	57.4	287.4	64,500*	64.1	294.2	76,500	67.8	296.7	71,800													90
95	54.9	283.9	59,600*	61.7	291.6	71,200	65.6	294.5	66,700													95
100	52.4	280.2	55,400*	59.4	288.7	66,500	63.3	292.1	62,300													100
105	49.7	276.1	51,600*	57.0	285.5	62,300	61.0	289.4	58,300													105
110	47.0	271.5	48,200*	54.5	282.1	58,500	58.6	286.4	54,700													110
115	44.1	266.5	45,200*	51.9	278.3	54,700*	56.2	283.1	51,400	62.8	288.3	45,500										115
120	41.0	261.0	42,400*	49.2	274.1	51,000*	53.7	279.6	48,500	60.4	285.5	42,800										120
125	37.7	254.8	39,900*	46.4	269.5	47,700*	51.1	275.6	45,800	58.0	282.5	40,400										125
130	34.2	247.8	37,700*	43.5	264.4	44,700*	48.3	271.3	43,300	55.6	279.1	38,100										130
135	30.3	239.7	35,600*	40.4	258.7	42,000*	45.5	266.5	41,100	53.0	275.5	36,100										135
140	25.9	230.1	33,600*	37.1	252.4	39,500*	42.5	261.3	39,000	50.4	271.4	34,200	57.3	277.1	29,400							140
145	20.6	218.2	31,800*	33.5	245.2	37,300*	39.4	255.4	37,000	47.7	267.0	32,400	54.8	273.7	27,900							145
150	13.4	201.2	29,600*	29.6	236.8	35,200*	36.0	248.8	35,200	44.8	262.1	30,800	52.2	269.9	26,400							150
155				25.0	226.9	33,300*	32.3	241.3	33,500	41.8	256.7	29,200	49.6	265.8	25,000							155
160				19.5	214.4	31,600*	28.2	232.5	31,900	38.6	250.7	27,800	46.8	261.2	23,700							160
165				11.6	195.8	29,900*	23.4	221.9	30,400	35.1	243.9	26,500	43.9	256.2	22,500	51.2	262.8	18,700				165
170							17.4	208.1	29,000	31.4	236.1	25,200	40.8	250.6	21,400	48.5	258.5	17,700				170
175							7.4	184.2	27,600	27.1	227.0	24,000	37.6	244.3	20,400	45.7	253.8	16,800				175
180										22.1	215.8	22,900	34.0	237.3	19,400	42.7	248.5	15,900				180
185										15.6	200.7	21,800	30.1	229.1	18,400	39.6	242.7	15,000	47.1	249.6	11,800	185
190													25.7	219.5	17,500	36.2	236.2	14,200	44.2	244.6	11,100	190
195													20.3	207.4	16,600	32.5	228.7	13,500	41.2	239.1	10,400	195
200													12.9	190.0	15,700	28.4	220.0	12,700	37.9	232.9	9,800	200
205																23.7	209.6	12,000	34.4	225.9	9,200	205
210																17.8	196.0	11,400	30.6	217.9	8,600	210
215																8.3	173.4	10,600	26.2	208.4	8,000	215
220																			20.9	196.7	7,500	220
225																			13.9	180.2	6,900	225

MANITOWOC ENGINEERING CO.

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

160 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.4	314.3	86,900*																			55
60	72.4	312.7	84,400*																			60
65	70.4	311.0	81,600*																			65
70	68.4	309.1	78,700*																			70
75	66.3	306.9	75,600*																			75
80	64.2	304.6	72,300*	70.0	309.4	82,700*																80
85	62.0	302.0	68,900*	68.0	307.5	80,000*																85
90	59.8	299.1	65,500*	65.9	305.3	75,900																90
95	57.6	296.0	60,700*	63.8	302.9	70,600	67.3	305.5	66,100													95
100	55.3	292.7	56,300*	61.6	300.3	65,900	65.2	303.2	61,600													100
105	52.9	289.0	52,500*	59.4	297.4	61,700	63.1	300.7	57,600													105
110	50.5	284.9	49,000*	57.2	294.2	57,900	60.9	298.0	54,000													110
115	47.9	280.6	45,900*	54.9	290.8	54,500	58.7	295.1	50,800													115
120	45.3	275.7	43,000*	52.5	287.0	51,400	56.4	291.8	47,900	62.6	296.9	42,100										120
125	42.5	270.4	40,500*	50.0	283.0	48,400*	54.1	288.3	45,200	60.4	294.2	39,700										125
130	39.5	264.6	38,100*	47.4	278.5	45,400*	51.7	284.4	42,700	58.2	291.1	37,400										130
135	36.4	258.1	36,000*	44.8	273.6	42,600*	49.2	280.2	40,500	55.9	287.8	35,400										135
140	33.0	250.7	34,000*	42.0	268.2	40,100*	46.6	275.6	38,400	53.5	284.2	33,500										140
145	29.3	242.3	32,200*	39.0	262.3	37,800*	43.9	270.6	36,400	51.1	280.3	31,800	57.5	285.8	27,100							145
150	25.0	232.3	30,500*	35.8	255.6	35,600*	41.0	265.0	34,600	48.6	276.0	30,100	55.2	282.4	25,700							150
155	19.9	219.9	28,900*	32.4	248.1	33,700*	38.0	258.9	32,900	46.0	271.3	28,600	52.8	278.7	24,300							155
160	12.9	202.3	25,500*	28.5	239.4	31,900*	34.7	252.0	31,400	43.2	266.1	27,200	50.3	274.6	23,100							160
165				24.1	229.1	30,200*	31.2	244.1	29,900	40.3	260.4	25,900	47.8	270.2	21,900							165
170				18.8	216.0	28,700*	27.2	235.0	28,500	37.2	254.1	24,600	45.1	265.4	20,800	51.8	271.6	17,000				170
175				11.2	196.7	26,100*	22.6	223.9	27,200	33.9	247.0	23,400	42.3	260.1	19,700	49.3	267.4	16,100				175
180							16.7	209.5	25,900	30.3	238.8	22,300	39.4	254.2	18,700	46.7	262.9	15,200				180
185							7.1	184.8	24,600	26.1	229.3	21,300	36.2	247.6	17,800	44.0	257.8	14,400				185
190										21.3	217.7	20,200	32.8	240.2	16,900	41.2	252.3	13,600				190
195										15.0	202.0	19,300	29.1	231.7	16,000	38.2	246.2	12,800	45.4	253.8	9,700	195
200													24.8	221.7	15,200	34.9	239.3	12,100	42.6	248.5	9,100	200
205																31.4	231.5	11,400	39.7	242.7	8,500	205
210																27.4	222.5	10,800	36.6	236.2	7,900	210
215																22.9	211.6	10,100	33.2	228.9	7,400	215
220																17.1	197.5	9,500	29.5	220.5	6,900	220
225																8.0	174.1	8,900	25.2	210.7	6,300	225
230																			20.2	198.4	5,800	230
235																			13.4	181.3	5,300	235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

160 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.4	324.6	79,900*																			55
60	73.6	323.2	78,000*																			60
65	71.7	321.6	75,800*																			65
70	69.8	319.8	73,400*																			70
75	67.9	317.8	70,900*																			75
80	65.9	315.6	68,200*																			80
85	63.9	313.2	65,300*	69.4	318.2	77,100*																85
90	61.9	310.6	62,400*	67.5	316.2	74,700*																90
95	59.8	307.8	59,500*	65.5	314.0	70,000																95
100	57.7	304.7	55,800*	63.6	311.6	65,300	66.9	314.2	60,900													100
105	55.6	301.4	51,900*	61.5	308.9	61,100	64.9	311.9	56,900													105
110	53.4	297.7	48,400*	59.5	306.0	57,300	62.9	309.4	53,400													110
115	51.1	293.8	45,300*	57.4	302.9	53,900	60.9	306.7	50,100													115
120	48.7	289.5	42,500*	55.2	299.5	50,800	58.8	303.7	47,200													120
125	46.3	284.9	39,900*	53.0	295.8	47,900*	56.7	300.5	44,500	62.4	305.6	38,900										125
130	43.7	279.8	37,600*	50.7	291.8	44,800*	54.5	297.0	42,100	60.4	302.8	36,700										130
135	41.1	274.2	35,500*	48.3	287.5	42,000*	52.2	293.2	39,800	58.3	299.8	34,700										135
140	38.2	268.1	33,500*	45.8	282.8	39,500*	49.9	289.1	37,700	56.1	296.5	32,800										140
145	35.2	261.3	31,700*	43.3	277.6	37,200*	47.5	284.7	35,800	53.9	293.0	31,000										145
150	31.9	253.6	30,000*	40.6	271.9	35,100*	45.0	279.8	34,000	51.7	289.1	29,400	57.6	294.5	24,900							150
155	28.3	244.8	28,400*	37.7	265.7	33,200*	42.4	274.5	32,300	49.3	284.9	27,900	55.5	291.1	23,600							155
160	24.2	234.4	27,000*	34.6	258.7	31,400*	39.7	268.7	30,800	46.9	280.4	26,500	53.3	287.5	22,300							160
165	19.2	221.6	25,500*	31.3	250.9	29,700*	36.7	262.2	29,300	44.4	275.4	25,200	51.0	283.5	21,100							165
170	12.5	203.4	22,500*	27.6	241.8	28,200*	33.6	255.0	27,900	41.8	270.0	23,900	48.6	279.2	20,000							170
175				23.4	231.1	26,700*	30.1	246.8	26,600	39.0	264.0	22,800	46.2	274.5	19,000	52.4	280.4	15,300				175
180				18.2	217.6	25,400*	26.3	237.3	25,400	36.0	257.4	21,700	43.6	269.4	18,000	50.1	276.3	14,400				180
185				10.8	197.6	23,100*	21.8	225.8	24,200	32.8	249.9	20,600	40.9	263.8	17,100	47.7	271.9	13,600				185
190							16.2	210.9	23,100	29.3	241.5	19,600	38.1	257.7	16,200	45.2	267.0	12,800				190
195							6.8	185.4	21,900	25.3	231.6	18,700	35.0	250.8	15,300	42.6	261.8	12,100				195
200										20.6	219.5	17,800	31.7	243.1	14,600	39.8	256.0	11,400	46.4	262.9	8,300	200
205										14.5	203.2	16,900	28.1	234.2	13,800	36.9	249.5	10,700	43.9	257.8	7,700	205
210													23.9	223.8	13,100	33.8	242.4	10,100	41.2	252.3	7,100	210
215													18.9	210.7	12,300	30.4	234.2	9,400	38.4	246.2	6,600	215
220													12.0	192.1	11,600	26.5	224.8	8,900	35.4	239.4	6,100	220
225																22.1	213.5	8,300	32.1	231.8	5,600	225
230																16.6	198.9	7,700	28.5	223.1	5,100	230
235																7.7	174.7	7,100	24.4	212.8	4,700	235
240																			19.5	200.1	4,200	240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

160 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.6	333.6	72,000*																			60
65	72.8	332.1	70,300*																			65
70	71.0	330.4	68,400*																			70
75	69.2	328.6	66,300*																			75
80	67.4	326.6	64,100*																			80
85	65.6	324.3	61,800*	70.7	328.9	73,300*																85
90	63.7	321.9	59,300*	68.9	327.0	71,800*																90
95	61.8	319.3	56,800*	67.1	325.0	69,600																95
100	59.8	316.5	54,300*	65.2	322.7	64,900																100
105	57.9	313.4	51,600*	63.4	320.2	60,700	66.5	322.9	56,500													105
110	55.8	310.1	48,100*	61.4	317.6	56,900	64.6	320.6	53,000													110
115	53.8	306.5	45,000*	59.5	314.7	53,500	62.7	318.1	49,700													115
120	51.6	302.6	42,200*	57.5	311.6	50,400	60.8	315.4	46,800													120
125	49.4	298.4	39,600*	55.5	308.2	47,600*	58.9	312.4	44,100													125
130	47.2	293.9	37,300*	53.4	304.6	44,500*	56.9	309.2	41,700	62.3	314.3	36,300										130
135	44.8	289.0	35,100*	51.3	300.7	41,700*	54.8	305.8	39,400	60.4	311.5	34,300										135
140	42.4	283.7	33,200*	49.0	296.4	39,200*	52.7	302.0	37,400	58.4	308.5	32,400										140
145	39.8	277.8	31,400*	46.8	291.8	36,900*	50.6	298.0	35,400	56.4	305.2	30,600										145
150	37.0	271.4	29,700*	44.4	286.9	34,800*	48.3	293.7	33,700	54.3	301.7	29,000										150
155	34.1	264.3	28,100*	41.9	281.4	32,900*	46.0	289.0	32,000	52.2	297.9	27,500	57.8	303.1	23,200							155
160	30.9	256.4	26,700*	39.3	275.5	31,100*	43.6	283.8	30,400	50.0	293.8	26,100	55.7	299.8	21,900							160
165	27.4	247.2	25,300*	36.5	269.0	29,400*	41.1	278.3	29,000	47.8	289.4	24,800	53.7	296.2	20,700							165
170	23.4	236.5	24,000*	33.5	261.7	27,900*	38.4	272.2	27,600	45.4	284.6	23,600	51.5	292.3	19,600							170
175	18.6	223.2	22,700*	30.3	253.6	26,400*	35.6	265.4	26,300	43.0	279.4	22,400	49.3	288.1	18,600							175
180	12.1	204.4	20,000*	26.7	244.2	25,100*	32.5	257.9	25,100	40.4	273.7	21,300	47.1	283.6	17,600	52.8	289.2	14,000				180
185				22.6	233.1	23,800*	29.2	249.4	23,900	37.7	267.4	20,300	44.7	278.7	16,700	50.7	285.2	13,200				185
190				17.6	219.1	22,600*	25.5	239.5	22,800	34.9	260.5	19,300	42.2	273.3	15,800	48.5	280.9	12,400				190
195				10.5	198.5	20,500*	21.2	227.7	21,800	31.8	252.8	18,400	39.6	267.4	15,000	46.1	276.2	11,700				195
200							15.7	212.3	20,800	28.4	244.0	17,500	36.9	261.0	14,200	43.7	271.1	11,000				200
205							6.6	185.9	19,800	24.5	233.7	16,600	33.9	253.9	13,500	41.2	265.5	10,300	47.3	271.9	7,300	205
210										20.0	221.2	15,800	30.8	245.8	12,700	38.6	259.5	9,700	45.0	267.0	6,800	210
215										14.1	204.4	15,000	27.2	236.6	12,100	35.8	252.8	9,100	42.5	261.7	6,200	215
220													23.2	225.8	11,400	32.7	245.3	8,500	39.9	255.9	5,700	220
225													18.4	212.3	10,700	29.4	236.9	8,000	37.2	249.6	5,300	225
230													11.7	193.1	10,100	25.7	227.1	7,400	34.3	242.5	4,800	230
235																21.4	215.4	6,900	31.1	234.6	4,300	235
240																16.1	200.3	6,400				240
245																7.5	175.3	5,900				245

MANITOWOC ENGINEERING CO.

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

160 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.4	344.0	66,300*																			60
65	73.8	342.6	64,900*																			65
70	72.1	341.0	63,400*																			70
75	70.4	339.3	61,700*																			75
80	68.7	337.4	59,900*																			80
85	67.0	335.3	58,000*																			85
90	65.3	333.0	56,000*	70.1	337.7	66,900*																90
95	63.5	330.6	53,900*	68.4	335.8	65,500*																95
100	61.7	328.0	51,800*	66.7	333.7	63,700*																100
105	59.9	325.1	49,600*	64.9	331.4	60,100	67.9	333.8	55,800													105
110	58.0	322.1	47,400*	63.2	328.9	56,300	66.1	331.6	52,300													110
115	56.1	318.8	44,500*	61.4	326.2	52,900	64.4	329.3	49,100													115
120	54.1	315.2	41,700*	59.5	323.4	49,800	62.6	326.8	46,100													120
125	52.1	311.4	39,100*	57.7	320.3	47,000	60.8	324.0	43,500													125
130	50.1	307.3	36,800*	55.7	316.9	44,000*	58.9	321.1	41,000													130
135	48.0	302.9	34,600*	53.8	313.3	41,200*	57.0	317.9	38,800	62.2	322.9	33,500										135
140	45.8	298.2	32,600*	51.8	309.5	38,700*	55.1	314.5	36,700	60.3	320.1	31,700										140
145	43.5	293.0	30,800*	49.7	305.3	36,400*	53.1	310.8	34,800	58.5	317.1	29,900										145
150	41.1	287.4	29,100*	47.6	300.9	34,300*	51.1	306.9	33,000	56.6	313.9	28,300										150
155	38.6	281.4	27,600*	45.4	296.0	32,300*	49.0	302.6	31,400	54.6	310.4	26,800										155
160	35.9	274.7	26,100*	43.1	290.8	30,500*	46.9	298.0	29,800	52.7	306.7	25,400	57.9	311.8	21,100							160
165	33.1	267.3	24,800*	40.7	285.2	28,900*	44.6	293.1	28,400	50.6	302.7	24,100	56.0	308.5	20,000							165
170	30.0	259.0	23,500*	38.1	279.0	27,300*	42.3	287.7	27,000	48.5	298.4	22,900	54.0	304.9	18,900							170
175	26.6	249.6	22,300*	35.4	272.2	25,900*	39.9	281.9	25,700	46.3	293.7	21,800	52.0	301.1	17,900							175
180	22.7	238.5	21,200*	32.6	264.7	24,500*	37.3	275.5	24,500	44.1	288.7	20,700	50.0	297.0	16,900							180
185	18.1	224.8	20,000*	29.4	256.2	23,300*	34.5	268.5	23,400	41.7	283.2	19,600	47.8	292.6	16,000							185
190	11.7	205.4	17,500*	26.0	246.5	22,100*	31.6	260.7	22,300	39.2	277.3	18,700	45.6	287.8	15,100	51.2	294.0	11,600				190
195				22.0	235.0	21,000*	28.4	251.9	21,300	36.6	270.7	17,700	43.4	282.7	14,300	49.1	289.8	10,900				195
200				17.1	220.6	19,900*	24.7	241.7	20,300	33.8	263.6	16,900	41.0	277.1	13,500	47.0	285.2	10,200				200
205				10.2	199.4	18,100*	20.5	229.5	19,300	30.8	255.5	16,000	38.5	271.0	12,800	44.8	280.3	9,600				205
210							15.2	213.6	18,400	27.5	246.4	15,200	35.8	264.2	12,100	42.4	275.0	9,000				210
215							6.4	186.4	17,500	23.8	235.8	14,500	32.9	256.8	11,400	40.0	269.2	8,400	45.9	276.2	5,400	215
220										19.4	222.9	13,700	29.9	248.5	10,700	37.4	262.9	7,800	43.6	271.1	5,000	220
225										13.7	205.6	13,000	26.4	239.0	10,100	34.7	255.9	7,300	41.2	265.5	4,500	225
230													22.5	227.8	9,500	31.8	248.1	6,700	38.7	259.5	4,000	230
235													17.8	213.9	8,900	28.6	239.4	6,200				235
240													11.3	194.1	8,300	25.0	229.3	5,700				240
245																20.8	217.2	5,300				245
250																15.6	201.6	4,800				250
255																7.3	175.9	4,300				255

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

160 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.7	353.0	59,800*																65
70	73.1	351.5	58,500*																70
75	71.5	349.9	57,200*																75
80	69.9	348.1	55,700*																80
85	68.3	346.1	54,100*																85
90	66.6	344.0	52,500*																90
95	65.0	341.7	50,800*	69.6	346.5	59,500*													95
100	63.3	339.3	49,000*	68.0	344.6	57,700*													100
105	61.6	336.6	47,200*	66.3	342.4	55,700*													105
110	59.9	333.8	45,400*	64.7	340.1	53,700*	67.5	342.6	51,700										110
115	58.1	330.7	43,500*	63.0	337.6	51,700*	65.8	340.4	48,400										115
120	56.3	327.5	41,700*	61.3	334.9	49,200	64.1	338.0	45,500										120
125	54.5	324.0	39,100*	59.5	332.0	46,400	62.5	335.4	42,900										125
130	52.6	320.2	36,700*	57.8	328.9	43,800	60.7	332.7	40,400										130
135	50.6	316.2	34,500*	56.0	325.6	41,300*	59.0	329.7	38,200										135
140	48.6	311.9	32,500*	54.1	322.1	38,700*	57.2	326.6	36,100	62.0	331.6	31,000							140
145	46.6	307.3	30,700*	52.2	318.3	36,300*	55.4	323.2	34,200	60.3	328.8	29,300							145
150	44.5	302.3	28,900*	50.3	314.2	34,200*	53.5	319.6	32,500	58.6	325.8	27,700							150
155	42.3	296.9	27,400*	48.3	309.8	32,200*	51.6	315.7	30,800	56.8	322.6	26,200							155
160	39.9	291.1	25,900*	46.2	305.2	30,400*	49.6	311.5	29,300	54.9	319.1	24,800							160
165	37.5	284.8	24,500*	44.1	300.1	28,700*	47.6	307.0	27,800	53.1	315.5	23,500	58.0	320.5	19,300				165
170	34.9	277.8	23,200*	41.8	294.7	27,100*	45.5	302.3	26,400	51.1	311.5	22,300	56.2	317.2	18,200				170
175	32.2	270.2	22,000*	39.5	288.8	25,600*	43.4	297.1	25,200	49.2	307.3	21,200	54.4	313.7	17,200				175
180	29.2	261.6	20,900*	37.1	282.3	24,300*	41.1	291.5	24,000	47.1	302.7	20,100	52.5	309.9	16,200				180
185	25.9	251.9	19,800*	34.5	275.3	23,000*	38.7	285.4	22,800	45.0	297.9	19,100	50.5	305.9	15,300				185
190	22.1	240.4	18,800*	31.7	267.5	21,800*	36.2	278.8	21,800	42.8	292.6	18,100	48.5	301.6	14,500				190
195	17.6	226.3	17,600*	28.6	258.8	20,700*	33.6	271.6	20,700	40.5	286.9	17,200	46.5	296.9	13,700	51.7	302.8	10,300	195
200	11.4	206.4	15,400*	25.2	248.7	19,600*	30.7	263.5	19,800	38.1	280.7	16,300	44.4	291.9	12,900	49.8	298.7	9,600	200
205				21.4	236.9	18,600*	27.6	254.4	18,800	35.6	274.0	15,500	42.1	286.5	12,200	47.7	294.2	8,900	205
210				16.7	222.1	17,700*	24.1	243.9	18,000	32.9	266.5	14,700	39.8	280.7	11,500	45.7	289.5	8,300	210
215				9.9	200.2	15,900*	20.0	231.2	17,100	30.0	258.2	13,900	37.4	274.3	10,800	43.5	284.3	7,700	215
220							14.8	214.9	16,300	26.8	248.8	13,200	34.8	267.4	10,200	41.2	278.8	7,200	220
225							6.2	186.9	15,400	23.1	237.9	12,500	32.0	259.7	9,600	38.9	272.7	6,600	225
230										18.9	224.6	11,800	29.0	251.1	9,000	36.4	266.2	6,100	230
235										13.3	206.8	11,200	25.7	241.3	8,400	33.7	258.9	5,600	235
240													21.9	229.7	7,900	30.9	250.9	5,200	240
245													17.3	215.4	7,300	27.8	241.9	4,700	245
250													11.0	195.0	6,800	24.3	231.4	4,300	250

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

160 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.4	363.4	55,000*																65
70	74.0	362.0	54,000*																70
75	72.5	360.4	52,900*																75
80	70.9	358.7	51,700*																80
85	69.4	356.9	50,500*																85
90	67.9	354.9	49,100*																90
95	66.3	352.8	47,700*	70.7	357.2	55,000*													95
100	64.7	350.4	46,200*	69.1	355.3	53,300*													100
105	63.1	348.0	44,700*	67.6	353.3	51,400*													105
110	61.5	345.3	43,100*	66.0	351.1	49,500*													110
115	59.9	342.4	41,400*	64.5	348.8	47,600*	67.1	351.3	47,800										115
120	58.2	339.4	39,500*	62.9	346.3	45,500*	65.5	349.1	44,900										120
125	56.5	336.1	37,700*	61.2	343.6	43,600*	63.9	346.7	42,200										125
130	54.7	332.7	35,800*	59.6	340.7	41,600*	62.3	344.1	39,800										130
135	53.0	329.0	34,000*	57.9	337.6	39,700*	60.7	341.3	37,600										135
140	51.1	325.0	32,000*	56.2	334.3	37,800*	59.0	338.4	35,500										140
145	49.3	320.8	30,100*	54.4	330.8	35,800*	57.3	335.2	33,600	61.9	340.3	28,600							145
150	47.3	316.3	28,400*	52.6	327.1	33,600*	55.6	331.9	31,800	60.3	337.5	27,000							150
155	45.3	311.5	26,800*	50.8	323.1	31,600*	53.9	328.3	30,200	58.6	334.5	25,500							155
160	43.3	306.3	25,300*	48.9	318.8	29,800*	52.1	324.5	28,600	56.9	331.3	24,100							160
165	41.1	300.7	23,900*	47.0	314.2	28,100*	50.2	320.4	27,200	55.2	327.9	22,800							165
170	38.9	294.6	22,600*	45.0	309.3	26,500*	48.3	316.0	25,800	53.4	324.2	21,600							170
175	36.5	288.1	21,400*	42.9	304.1	25,100*	46.3	311.4	24,600	51.6	320.3	20,500	56.4	325.9	16,500				175
180	34.0	280.9	20,300*	40.7	298.4	23,700*	44.3	306.3	23,400	49.7	316.2	19,400	54.7	322.4	15,500				180
185	31.3	273.0	19,200*	38.5	292.3	22,400*	42.2	301.0	22,200	47.8	311.7	18,400	52.9	318.7	14,600				185
190	28.4	264.2	18,200*	36.1	285.6	21,300*	40.0	295.2	21,200	45.9	307.0	17,400	51.0	314.7	13,800				190
195	25.2	254.1	17,300*	33.5	278.3	20,100*	37.7	288.9	20,100	43.8	301.9	16,500	49.2	310.5	12,900				195
200	21.5	242.3	16,400*	30.8	270.3	19,100*	35.3	282.0	19,200	41.7	296.4	15,700	47.2	306.0	12,200	52.2	311.6	8,800	200
205	17.1	227.8	15,300*	27.9	261.2	18,100*	32.7	274.5	18,300	39.5	290.5	14,800	45.2	301.1	11,500	50.3	307.6	8,200	205
210	11.1	207.4	13,300*	24.6	250.9	17,100*	29.9	266.2	17,400	37.1	284.1	14,100	43.2	295.9	10,800	48.4	303.2	7,600	210
215				20.8	238.8	16,200*	26.9	256.8	16,600	34.7	277.1	13,300	41.0	290.3	10,100	46.5	298.6	7,000	215
220				16.2	223.5	15,400*	23.4	245.9	15,800	32.0	269.4	12,600	38.8	284.2	9,500	44.4	293.6	6,400	220
225				9.6	201.0	13,800*	19.5	232.9	15,000	29.2	260.8	11,900	36.4	277.6	8,900	42.3	288.2	5,900	225
230							14.4	216.1	14,200	26.1	251.1	11,300	33.9	270.4	8,300	40.1	282.4	5,400	230
235							6.1	187.4	13,400*	22.5	239.9	10,600	31.2	262.5	7,700	37.8	276.2	4,900	235
240										18.4	226.2	10,000	28.3	253.6	7,200	35.4	269.4	4,500	240
245										12.9	207.9	9,400	25.0	243.5	6,700	32.8	261.9	4,000	245
250													21.3	231.6	6,200				250
255													16.9	216.9	5,700				255
260													10.7	195.9	5,200				260

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

170 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	64.6	242.8	134,400*b																			45
50	60.0	240.1	127,200*b																			50
55	55.1	236.7	120,600*b																			55
60	49.8	232.7	112,800*	64.6	241.5	129,100*b																60
65	44.1	227.9	100,600*	59.9	238.7	121,900*b																65
70	37.7	221.9	90,500*	55.0	235.4	115,200*b	63.6	239.5	115,700b													70
75	30.2	214.2	82,200*	49.8	231.4	109,000*	58.9	236.7	106,100b													75
80	20.2	203.0	75,100*	44.1	226.6	100,600*	53.9	233.2	97,900b													80
85				37.7	220.6	90,500*	48.6	229.0	90,700													85
90				30.1	212.8	82,200*	42.8	224.0	84,500	58.5	233.1	78,800b										90
95				20.1	201.6	75,100*	36.2	217.7	79,000	53.5	229.6	73,600b										95
100							28.2	209.4	74,000	48.2	225.4	69,100										100
105							17.1	196.8	69,600	42.3	220.2	65,000	57.9	228.0	60,300b							105
110										35.7	213.8	61,300	52.8	224.4	56,900b							110
115										27.6	205.3	57,900	47.4	220.1	53,800							115
120										16.0	192.1	54,800	41.4	214.8	50,900							120
125													34.6	208.1	48,300	51.6	217.6	44,600				125
130													26.3	199.3	45,900	46.1	213.1	42,400				130
135													13.6	184.6	43,600	39.9	207.5	40,400				135
140																32.9	200.5	38,500				140
145																24.0	190.8	36,700	44.0	204.2	33,800	145
150																8.0	172.0	35,000	37.6	198.2	32,200	150
155																			30.1	190.5	30,800	155
160																			20.0	179.2	29,500	160

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

170 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	68.0	253.8	129,700*b																			45
50	64.1	251.5	122,900*b																			50
55	60.0	248.7	116,700*b																			55
60	55.7	245.5	111,100*	68.0	252.5	124,700*b																60
65	51.2	241.6	101,100*	64.0	250.2	118,100*b																65
70	46.3	237.1	91,000*	59.9	247.4	111,900*b	67.1	250.6	115,200b													70
75	41.1	231.7	82,500*	55.7	244.1	106,100*	63.2	248.2	105,600b													75
80	35.1	225.1	75,400*	51.2	240.3	100,700*	59.0	245.3	97,400b													80
85	28.1	216.7	69,300*	46.3	235.8	91,000*	54.7	242.0	90,300													85
90	18.8	204.6	64,000*	41.0	230.4	82,500*	50.1	238.0	84,000	62.9	244.6	78,200b										90
95				35.1	223.8	75,400*	45.2	233.3	78,600	58.7	241.7	73,100b										95
100				28.1	215.3	69,300*	39.8	227.6	73,700	54.4	238.3	68,500										100
105				18.7	203.3	64,000*	33.7	220.7	69,300	49.8	234.3	64,500										105
110							26.3	211.7	65,300	44.8	229.5	60,800										110
115							15.9	198.1	61,700	39.4	223.8	57,500	53.8	233.2	53,200							115
120										33.2	216.8	54,500	49.1	229.1	50,400							120
125										25.7	207.6	51,700	44.1	224.2	47,800							125
130										14.9	193.4	49,000	38.6	218.3	45,500	52.7	226.4	41,800				130
135													32.3	211.0	43,300	48.0	222.1	39,800				135
140													24.5	201.4	41,200	42.9	217.0	37,900				140
145													12.7	185.7	39,300	37.2	210.9	36,200				145
150																30.6	203.2	34,600	46.3	213.4	31,600	150
155																22.3	192.7	33,000	41.0	208.0	30,200	155
160																7.4	172.6	31,500	35.1	201.4	28,900	160
165																			28.0	193.0	27,700	165
170																			18.6	180.8	26,500	170

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

170 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	70.6	264.5	125,100*b																			45
50	67.1	262.5	119,000*b																			50
55	63.6	260.2	113,100*b																			55
60	60.0	257.4	107,800*	70.6	263.2	120,300*b																60
65	56.2	254.2	101,500*	67.1	261.2	114,300*b																65
70	52.2	250.4	91,300*	63.6	258.8	108,600*b																70
75	48.0	246.1	82,800*	60.0	256.1	99,500	66.4	259.3	93,600b													75
80	43.5	241.1	75,600*	56.2	252.8	91,500	62.8	256.9	86,100b													80
85	38.6	235.2	69,400*	52.2	249.1	84,600	59.1	254.0	79,600													85
90	33.0	228.1	64,100*	48.0	244.8	78,600	55.3	250.7	73,900													90
95	26.4	219.0	59,400*	43.5	239.8	73,200	51.3	246.8	68,800	62.6	253.3	61,500										95
100	17.6	206.2	55,300*	38.6	233.9	68,500	47.0	242.4	64,300	58.9	250.4	57,400										100
105				33.0	226.7	64,100*	42.5	237.2	60,300	55.0	247.1	53,800										105
110				26.4	217.7	59,500*	37.4	231.1	56,700	51.0	243.2	50,500										110
115				17.6	204.8	55,300*	31.7	223.6	53,400	46.7	238.7	47,600										115
120							24.7	213.9	50,400	42.1	233.4	44,900	54.5	241.9	39,400							120
125							15.0	199.4	47,600	37.0	227.2	42,400	50.4	238.0	37,200							125
130										31.2	219.6	40,100	46.1	233.4	35,100							130
135										24.2	209.7	38,000	41.4	228.0	33,300							135
140										14.0	194.6	36,000	36.3	221.6	31,500	49.4	231.1	27,000				140
145													30.3	213.7	29,900	45.1	226.3	25,600				145
150													23.0	203.4	28,400	40.3	220.8	24,300				150
155													11.9	186.7	26,800	35.0	214.1	23,000				155
160																28.8	205.8	21,800	48.0	222.5	19,200	160
165																21.0	194.6	20,700	38.5	211.5	17,200	165
170																6.9	173.2	19,500	33.0	204.4	16,200	170
175																			26.4	195.3	15,400	175
180																			17.5	182.4	14,500	180

MANITOWOC ENGINEERING CO.

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

170 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	72.6	275.1	120,500*b																			45
50	69.5	273.3	114,800*b																			50
55	66.4	271.3	109,300*b																			55
60	63.3	268.8	104,400*																			60
65	60.0	266.0	99,700*	69.5	272.0	110,200*b																65
70	56.6	262.9	91,200*	66.4	269.9	105,100*																70
75	53.0	259.2	82,700*	63.2	267.5	98,900																75
80	49.3	255.1	75,500*	60.0	264.7	90,900	65.7	268.0	85,400													80
85	45.4	250.4	69,300*	56.6	261.5	84,000	62.5	265.5	78,800													85
90	41.1	244.9	64,000*	53.0	257.9	78,000	59.2	262.7	73,200													90
95	36.5	238.5	59,300*	49.3	253.8	72,700	55.8	259.4	68,100													95
100	31.3	230.9	55,100*	45.4	249.1	68,000	52.2	255.7	63,700	62.3	262.0	56,600										100
105	25.0	221.2	51,500*	41.1	243.6	63,700	48.5	251.4	59,700	59.0	259.1	53,000										105
110	16.7	207.6	48,100*	36.5	237.2	59,300*	44.5	246.5	56,100	55.6	255.8	49,800										110
115				31.2	229.5	55,200*	40.1	240.9	52,800	52.0	252.0	46,800										115
120				25.0	219.9	51,500*	35.4	234.3	49,900	48.2	247.7	44,200										120
125				16.6	206.2	48,200*	30.0	226.2	47,100	44.2	242.8	41,700	55.1	250.6	36,300							125
130							23.4	216.0	44,600	39.8	237.1	39,500	51.4	246.8	34,300							130
135							14.2	200.6	42,200	35.0	230.4	37,400	47.6	242.4	32,500							135
140										29.5	222.2	35,500	43.6	237.4	30,800							140
145										22.9	211.7	33,700	39.2	231.6	29,200	50.6	240.0	24,800				145
150										13.3	195.7	31,900	34.3	224.7	27,700	46.7	235.5	23,500				150
155													28.7	216.3	26,300	42.6	230.3	22,200				155
160													21.8	205.3	25,000	38.1	224.2	21,100				160
165													11.2	187.6	23,600	33.1	217.1	20,000				165
170																27.2	208.2	19,000	45.3	226.7	16,300	170
175																19.9	196.3	18,000	41.1	221.3	15,400	175
180																6.5	173.7	16,900	36.4	214.9	14,600	180
185																			31.2	207.2	13,800	185
190																			24.9	197.5	13,000	190
																			16.6	183.8	12,200	190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

170 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.2	285.6	114,900*																			45
50	71.5	284.0	109,700*																			50
55	68.7	282.1	104,800*																			55
60	65.9	280.0	100,200*																			60
65	63.0	277.5	95,900*																			65
70	60.0	274.7	91,900*	68.7	280.8	102,200*																70
75	56.9	271.5	85,200*	65.8	278.7	97,700*																75
80	53.7	268.0	77,700*	62.9	276.2	90,300																80
85	50.4	264.0	71,300*	60.0	273.4	83,400	65.2	276.7	78,200													85
90	46.9	259.5	65,800*	56.9	270.2	77,400	62.3	274.2	72,500													90
95	43.1	254.4	60,900*	53.7	266.7	72,100	59.3	271.3	67,500													95
100	39.1	248.5	56,700*	50.4	262.7	67,400	56.2	268.1	63,000													100
105	34.7	241.7	52,900*	46.8	258.2	63,200	53.0	264.4	59,100	62.1	270.6	52,300										105
110	29.7	233.5	49,500*	43.1	253.0	59,400	49.6	260.3	55,500	59.1	267.7	49,100										110
115	23.8	223.3	46,400*	39.1	247.2	55,900	46.0	255.7	52,300	56.0	264.5	46,100										115
120	15.9	209.0	43,400*	34.7	240.3	52,800	42.3	250.4	49,300	52.7	260.8	43,500										120
125				29.7	232.2	49,500*	38.2	244.4	46,600	49.4	256.7	41,100										125
130				23.8	222.0	46,400*	33.7	237.3	44,100	45.8	252.0	38,800	55.5	259.4	33,600							130
135				15.8	207.6	43,600*	28.5	228.8	41,800	42.0	246.7	36,800	52.3	255.6	31,800							135
140							22.3	217.9	39,700	37.9	240.5	34,900	48.9	251.4	30,100							140
145							13.5	201.8	37,600	33.3	233.4	33,100	45.3	246.6	28,500							145
150										28.1	224.7	31,500	41.4	241.2	27,100	51.5	248.8	22,700				150
155										21.8	213.6	29,900	37.3	235.0	25,700	48.0	244.5	21,500				155
160										12.6	196.8	28,400	32.6	227.6	24,400	44.4	239.6	20,400				160
165													27.3	218.7	23,200	40.5	234.0	19,300				165
170													20.7	207.1	22,000	36.2	227.5	18,300	46.8	235.8	14,700	170
175													10.7	188.5	20,800	31.5	219.9	17,400	43.1	230.7	13,900	175
180																25.9	210.5	16,500	39.1	224.8	13,100	180
185																18.9	197.9	15,600	34.7	218.0	12,400	185
190																6.2	174.2	14,600	29.7	209.8	11,600	190
195																			23.7	199.6	11,000	195
200																			15.8	185.1	10,300	200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

170 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.6	296.0	110,200*																			45
50	73.1	294.5	105,500*																			50
55	70.6	292.8	101,100*																			55
60	68.0	290.9	96,900*																			60
65	65.4	288.7	92,800*																			65
70	62.7	286.2	89,100*	70.5	291.5	98,500*																70
75	60.0	283.4	84,600*	68.0	289.6	94,300*																75
80	57.2	280.2	77,300*	65.4	287.4	89,600																80
85	54.3	276.7	70,900*	62.7	284.9	82,800	67.4	287.7	77,400													85
90	51.2	272.8	65,400*	60.0	282.0	76,800	64.8	285.4	71,800													90
95	48.1	268.5	60,500*	57.1	278.9	71,500	62.1	282.9	66,800													95
100	44.7	263.6	56,300*	54.2	275.4	66,800	59.4	280.0	62,300													100
105	41.2	258.2	52,500*	51.2	271.5	62,600	56.5	276.8	58,400													105
110	37.4	251.9	49,100*	48.0	267.2	58,800	53.6	273.2	54,800	61.9	279.3	48,300										110
115	33.2	244.7	46,000*	44.7	262.3	55,400	50.5	269.2	51,600	59.2	276.4	45,400										115
120	28.4	236.1	43,200*	41.2	256.8	52,300	47.3	264.8	48,700	56.3	273.2	42,700										120
125	22.8	225.3	40,700*	37.3	250.6	49,100*	44.0	259.8	46,000	53.4	269.6	40,300										125
130	15.2	210.3	38,100*	33.1	243.3	46,000*	40.4	254.1	43,500	50.3	265.6	38,100										130
135				28.4	234.7	43,200*	36.5	247.7	41,300	47.1	261.1	36,100	55.9	268.1	31,000							135
140				22.7	224.0	40,700*	32.2	240.2	39,200	43.7	256.0	34,200	52.9	264.4	29,300							140
145				15.1	208.9	38,400*	27.2	231.2	37,200	40.1	250.3	32,500	49.9	260.3	27,700							145
150							21.3	219.8	35,300	36.2	243.8	30,800	46.6	255.8	26,300							150
155							12.9	202.9	33,600	31.8	236.2	29,300	43.2	250.6	24,900	52.2	257.6	20,700				155
160										26.9	227.1	27,900	39.6	244.8	23,700	49.1	253.5	19,600				160
165										20.8	215.5	26,500	35.6	238.2	22,500	45.9	248.8	18,500				165
170										12.0	197.8	25,100	31.2	230.4	21,400	42.4	243.5	17,500				170
175													26.1	221.0	20,300	38.7	237.5	16,600	48.0	244.9	13,000	175
180													19.8	208.9	19,300	34.6	230.7	15,700	44.7	240.0	12,300	180
185													10.2	189.4	18,200	30.1	222.6	14,900	41.1	234.5	11,500	185
190																24.8	212.7	14,100	37.3	228.2	10,900	190
195																18.0	199.5	13,300	33.1	221.0	10,200	195
200																5.9	174.6	12,500	28.4	212.4	9,600	200
205																			22.7	201.6	9,000	205
210																			15.0	186.4	8,300	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

170 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.4	305.0	100,200*																			50
55	72.1	303.4	96,900*																			55
60	69.8	301.6	93,300*																			60
65	67.4	299.6	89,300*																			65
70	65.0	297.4	85,100*																			70
75	62.5	294.8	80,800*	69.8	300.3	91,100*																75
80	60.0	292.0	76,400*	67.4	298.3	87,500*																80
85	57.4	288.9	70,800*	65.0	296.0	82,400																85
90	54.7	285.5	65,300*	62.5	293.5	76,400	66.9	296.4	71,400													90
95	51.9	281.7	60,400*	60.0	290.7	71,100	64.4	294.1	66,400													95
100	49.1	277.5	56,100*	57.4	287.6	66,400	61.9	291.5	62,000													100
105	46.0	272.8	52,300*	54.7	284.2	62,300	59.4	288.7	58,000													105
110	42.9	267.6	48,900*	51.9	280.3	58,500	56.8	285.5	54,500													110
115	39.5	261.8	45,900*	49.0	276.1	55,100	54.1	282.0	51,300	61.8	288.0	45,000										115
120	35.8	255.2	43,100*	46.0	271.5	52,000	51.3	278.1	48,400	59.2	285.1	42,400										120
125	31.8	247.5	40,600*	42.9	266.3	48,900*	48.4	273.8	45,700	56.6	281.9	40,000										125
130	27.3	238.5	38,300*	39.5	260.4	45,900*	45.4	269.0	43,200	53.9	278.3	37,800										130
135	21.8	227.3	36,200*	35.8	253.8	43,100*	42.1	263.7	41,000	51.1	274.4	35,700										135
140	14.5	211.5	33,900*	31.8	246.2	40,600*	38.7	257.7	38,900	48.2	270.1	33,900	56.2	276.8	28,900							140
145				27.2	237.1	38,300*	35.0	250.8	37,000	45.1	265.3	32,100	53.5	273.2	27,400							145
150				21.8	225.9	36,200*	30.8	242.9	35,200	41.9	259.9	30,500	50.7	269.2	26,000							150
155				14.5	210.1	34,200*	26.1	233.5	33,500	38.4	253.8	29,000	47.8	264.8	24,600							155
160							20.4	221.6	31,900	34.7	247.0	27,600	44.7	259.9	23,400	52.9	266.4	19,200				160
165							12.3	203.9	30,300	30.5	239.0	26,300	41.4	254.5	22,200	50.0	262.4	18,200				165
170										25.8	229.4	25,000	37.9	248.3	21,100	47.1	257.9	17,200				170
175										20.0	217.2	23,800	34.1	241.3	20,000	43.9	252.8	16,300				175
180										11.5	198.8	22,600	29.9	233.1	19,100	40.6	247.2	15,400				180
185													25.0	223.2	18,100	37.1	240.9	14,600	46.0	249.1	11,200	185
190													19.0	210.5	17,200	33.2	233.6	13,800	42.8	243.9	10,500	190
195													9.8	190.2	16,300	28.8	225.1	13,100	39.4	238.1	9,900	195
200																23.8	214.8	12,400	35.8	231.5	9,300	200
205																17.3	201.0	11,700	31.8	223.8	8,700	205
210																5.7	175.1	10,900	27.2	214.8	8,100	210
215																			21.8	203.5	7,600	215
220																			14.4	187.7	7,000	220

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

170 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.6	315.4	92,300*																			50
55	73.4	313.9	89,700*																			55
60	71.3	312.3	86,800*																			60
65	69.1	310.4	83,600*																			65
70	66.9	308.4	80,200*																			70
75	64.6	306.0	76,500*																			75
80	62.3	303.5	72,800*	69.1	309.1	84,300*																80
85	60.0	300.7	69,100*	66.9	307.0	81,100*																85
90	57.6	297.6	64,800*	64.6	304.7	75,800*																90
95	55.1	294.2	60,000*	62.3	302.2	70,500*	66.4	305.2	65,700*													95
100	52.5	290.5	55,700*	60.0	299.4	65,800*	64.1	302.8	61,300*													100
105	49.9	286.4	51,900*	57.6	296.3	61,600*	61.8	300.2	57,300*													105
110	47.2	281.9	48,500*	55.1	292.9	57,900*	59.4	297.3	53,800*													110
115	44.3	276.9	45,400*	52.5	289.1	54,500*	57.0	294.2	50,600*													115
120	41.2	271.4	42,600*	49.9	285.0	51,400*	54.5	290.7	47,700*	61.6	296.6	41,600*										120
125	38.0	265.2	40,100*	47.1	280.5	48,500*	52.0	286.9	45,000*	59.3	293.7	39,200*										125
130	34.5	258.3	37,800*	44.2	275.6	45,400*	49.3	282.7	42,600*	56.9	290.6	37,000*										130
135	30.6	250.3	35,700*	41.2	270.1	42,600*	46.5	278.1	40,400*	54.4	287.1	35,000*										135
140	26.2	240.8	33,800*	38.0	263.9	40,100*	43.6	273.0	38,300*	51.8	283.2	33,200*										140
145	21.0	229.1	32,000*	34.4	256.9	37,800*	40.5	267.4	36,400*	49.1	279.0	31,400*	56.5	285.5	26,600*							145
150	14.0	212.7	30,000*	30.6	248.9	35,700*	37.2	261.0	34,600*	46.3	274.4	29,800*	54.0	281.9	25,200*							150
155				26.2	239.5	33,800*	33.6	253.9	32,900*	43.4	269.3	28,300*	51.4	278.0	23,800*							155
160				21.0	227.7	32,000*	29.7	245.6	31,300*	40.3	263.6	26,900*	48.7	273.8	22,600*							160
165				13.9	211.3	30,300*	25.2	235.7	29,900*	37.0	257.2	25,600*	45.9	269.1	21,400*							165
170							19.7	223.3	28,500*	33.4	250.0	24,400*	43.0	263.9	20,400*	50.8	271.2	16,400*				170
175							11.9	204.9	27,100*	29.4	241.6	23,200*	39.8	258.1	19,300*	48.1	266.9	15,500*				175
180										24.8	231.6	22,100*	36.5	251.6	18,400*	45.2	262.1	14,600*				180
185										19.2	218.9	21,100*	32.8	244.2	17,400*	42.3	256.7	13,800*				185
190										11.1	199.7	20,000*	28.8	235.7	16,500*	39.1	250.8	13,100*	47.1	258.2	9,700*	190
195													24.1	225.4	15,700*	35.7	244.1	12,300*	44.2	253.2	9,100*	195
200													18.3	212.1	14,900*	31.9	236.5	11,700*	41.2	247.7	8,500*	200
205													9.4	191.0	14,100*	27.8	227.6	11,000*	37.9	241.5	7,900*	205
210																22.9	216.8	10,300*	34.4	234.6	7,400*	210
215																16.7	202.4	9,700*	30.6	226.6	6,800*	215
220																5.4	175.5	9,000*	26.2	217.1	6,300*	220
225																			20.9	205.3	5,800*	225
230																			13.9	188.8	5,300*	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

170 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.6	324.4	82,900*																			55
60	72.6	322.8	80,600*																			60
65	70.6	321.1	78,000*																			65
70	68.5	319.2	75,200*																			70
75	66.4	317.1	72,300*																			75
80	64.3	314.7	69,100*	70.5	319.8	81,800*																80
85	62.2	312.2	65,900*	68.5	317.9	78,900*																85
90	60.0	309.3	62,700*	66.4	315.8	75,100																90
95	57.7	306.3	59,400*	64.3	313.4	69,900																95
100	55.4	302.9	56,200*	62.2	310.8	65,200	66.0	313.9	60,600													100
105	53.1	299.2	52,700*	60.0	308.0	61,000	63.8	311.5	56,700													105
110	50.6	295.2	49,200*	57.7	304.9	57,300	61.7	308.9	53,200													110
115	48.1	290.9	46,100*	55.4	301.6	53,900	59.5	306.0	50,000													115
120	45.4	286.1	43,200*	53.1	297.9	50,800	57.2	302.8	47,100													120
125	42.7	280.8	40,600*	50.6	293.9	48,000	54.9	299.4	44,400	61.5	305.3	38,500										125
130	39.7	275.0	38,300*	48.1	289.5	45,400	52.5	295.7	42,000	59.3	302.4	36,300										130
135	36.6	268.5	36,100*	45.4	284.8	43,000	50.1	291.6	39,800	57.1	299.2	34,300										135
140	33.2	261.3	34,200*	42.7	279.5	40,700*	47.5	287.1	37,700	54.7	295.8	32,500										140
145	29.5	252.9	32,300*	39.7	273.7	38,300*	44.8	282.3	35,800	52.4	292.0	30,800										145
150	25.3	243.1	30,600*	36.6	267.2	36,100*	42.0	276.9	34,000	49.9	287.9	29,200	56.7	294.1	24,400							150
155	20.3	230.9	29,000*	33.2	259.9	34,200*	39.1	270.9	32,300	47.3	283.4	27,700	54.4	290.6	23,100							155
160	13.5	213.9	25,900*	29.5	251.6	32,300*	35.9	264.3	30,800	44.6	278.5	26,300	52.0	286.8	21,900							160
165				25.3	241.7	30,600*	32.4	256.8	29,300	41.8	273.1	25,000	49.5	282.7	20,800							165
170				20.2	229.5	29,100*	28.6	248.1	28,000	38.8	267.1	23,800	47.0	278.1	19,700							170
175				13.5	212.4	27,200*	24.3	237.9	26,700	35.7	260.4	22,600	44.3	273.2	18,700	51.4	280.1	14,800				175
180							19.0	224.9	25,400	32.2	252.9	21,600	41.4	267.7	17,700	48.9	275.8	13,900				180
185							11.4	205.9	24,200	28.3	244.1	20,500	38.4	261.6	16,800	46.3	271.2	13,100				185
190										23.9	233.7	19,500	35.2	254.8	15,900	43.6	266.1	12,400				190
195										18.5	220.5	18,600	31.7	247.1	15,100	40.7	260.5	11,700				195
200										10.7	200.6	17,600	27.8	238.1	14,300	37.7	254.2	11,000	45.4	262.4	7,800	200
205													23.2	227.4	13,600	34.4	247.2	10,300	42.6	257.2	7,200	205
210													17.6	213.6	12,800	30.8	239.3	9,700	39.7	251.3	6,700	210
215													9.1	191.7	12,100	26.8	230.0	9,100	36.6	244.9	6,200	215
220																22.1	218.7	8,500	33.2	237.6	5,700	220
225																16.1	203.8	8,000	29.5	229.2	5,200	225
230																5.2	175.9	7,300	25.2	219.3	4,700	230
235																			20.2	207.1	4,300	235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

170 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.6	334.7	76,500*																			55
60	73.7	333.3	74,600*																			60
65	71.8	331.7	72,500*																			65
70	69.9	329.9	70,300*																			70
75	68.0	328.0	67,800*																			75
80	66.0	325.8	65,300*																			80
85	64.1	323.4	62,600*	69.9	328.6	75,800*																85
90	62.0	320.8	59,800*	68.0	326.7	73,300*																90
95	60.0	318.0	57,000*	66.0	324.5	69,200																95
100	57.9	314.9	54,200*	64.0	322.1	64,600	67.6	324.8	59,900													100
105	55.7	311.6	51,500*	62.0	319.5	60,400	65.6	322.6	56,000													105
110	53.5	308.0	48,700*	60.0	316.7	56,700	63.6	320.2	52,500													110
115	51.2	304.1	45,500*	57.9	313.6	53,300	61.6	317.5	49,300													115
120	48.9	299.8	42,700*	55.7	310.3	50,200	59.5	314.6	46,400													120
125	46.5	295.2	40,100*	53.5	306.7	47,400	57.4	311.5	43,700													125
130	43.9	290.1	37,800*	51.2	302.8	44,800	55.2	308.1	41,300	61.4	314.0	35,600										130
135	41.2	284.6	35,600*	48.9	298.5	42,400	53.0	304.4	39,100	59.4	311.1	33,600										135
140	38.4	278.5	33,600*	46.4	293.9	40,100*	50.7	300.5	37,000	57.3	307.9	31,700										140
145	35.4	271.8	31,800*	43.9	288.8	37,800*	48.4	296.1	35,100	55.1	304.5	30,000										145
150	32.1	264.1	30,100*	41.2	283.3	35,600*	45.9	291.4	33,400	52.9	300.8	28,500										150
155	28.6	255.4	28,500*	38.4	277.2	33,600*	43.3	286.3	31,700	50.6	296.8	27,000	57.0	302.8	22,300							155
160	24.5	245.2	27,100*	35.4	270.4	31,800*	40.6	280.6	30,200	48.2	292.4	25,600	54.8	299.4	21,100							160
165	19.6	232.6	25,700*	32.1	262.8	30,100*	37.8	274.4	28,700	45.7	287.7	24,300	52.5	295.6	20,000							165
170	13.1	215.0	22,800*	28.5	254.1	28,500*	34.7	267.4	27,400	43.1	282.5	23,100	50.2	291.6	18,900							170
175				24.5	243.9	27,100*	31.4	259.6	26,100	40.4	276.8	22,000	47.8	287.2	17,900							175
180				19.6	231.2	25,700*	27.7	250.6	24,900	37.6	270.5	20,900	45.4	282.4	17,000	52.0	288.9	13,100				180
185				13.0	213.6	24,100*	23.5	239.9	23,700	34.5	263.5	19,900	42.8	277.1	16,100	49.7	284.7	12,300				185
190							18.3	226.5	22,600	31.1	255.6	18,900	40.0	271.3	15,200	47.3	280.2	11,600				190
195							11.1	206.8	21,500	27.4	246.6	18,000	37.1	265.0	14,400	44.8	275.3	10,900				195
200										23.1	235.7	17,100	34.0	257.9	13,600	42.1	270.0	10,200				200
205										17.9	222.1	16,200	30.6	249.8	12,900	39.4	264.1	9,600	46.4	271.5	6,400	205
210										10.3	201.5	15,400	26.9	240.5	12,200	36.4	257.5	9,000	43.9	266.5	5,900	210
215													22.5	229.4	11,500	33.3	250.2	8,400	41.2	260.9	5,400	215
220													17.1	215.1	10,800	29.8	241.9	7,800	38.4	254.8	4,900	220
225													8.8	192.5	10,200	25.9	232.3	7,300	35.4	248.1	4,400	225
230																21.3	220.6	6,800	32.1	240.4	4,000	230
235																15.5	205.2	6,200				235
240																5.0	176.3	5,700				240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

170 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.7	343.7	69,100*																			60
65	72.9	342.2	67,400*																			65
70	71.1	340.6	65,500*																			70
75	69.4	338.7	63,600*																			75
80	67.5	336.7	61,400*																			80
85	65.7	334.5	59,200*																			85
90	63.8	332.1	56,900*	69.3	337.4	70,400*																90
95	61.9	329.5	54,500*	67.5	335.4	68,300*																95
100	60.0	326.7	52,100*	65.7	333.2	64,200*																100
105	58.0	323.6	49,700*	63.8	330.8	60,000*	67.1	333.5	55,600*													105
110	56.0	320.3	47,300*	61.9	328.2	56,300*	65.3	331.3	52,000*													110
115	53.9	316.7	44,900*	60.0	325.3	52,900*	63.4	328.8	48,900*													115
120	51.8	312.9	42,400*	58.0	322.3	49,800*	61.5	326.2	46,000*													120
125	49.6	308.7	39,800*	56.0	319.0	47,000*	59.5	323.3	43,300*													125
130	47.3	304.2	37,400*	53.9	315.4	44,400*	57.6	320.2	40,900*													130
135	45.0	299.4	35,300*	51.8	311.6	42,100*	55.5	316.8	38,700*	61.4	322.6	33,200*										135
140	42.5	294.1	33,300*	49.6	307.4	39,800*	53.5	313.2	36,700*	59.4	319.7	31,300*										140
145	39.9	288.3	31,500*	47.3	302.9	37,500*	51.3	309.3	34,800*	57.4	316.6	29,600*										145
150	37.2	281.9	29,800*	45.0	298.0	35,300*	49.1	305.1	33,000*	55.4	313.2	28,100*										150
155	34.3	274.8	28,200*	42.5	292.7	33,300*	46.8	300.5	31,400*	53.3	309.6	26,600*										155
160	31.2	266.9	26,800*	39.9	286.9	31,500*	44.4	295.5	29,800*	51.2	305.6	25,200*	57.1	311.5	20,700*							160
165	27.7	257.9	25,400*	37.2	280.6	29,800*	42.0	290.1	28,400*	48.9	301.4	23,900*	55.1	308.1	19,600*							165
170	23.7	247.3	24,100*	34.3	273.5	28,200*	39.4	284.2	27,000*	46.7	296.8	22,700*	53.0	304.4	18,500*							170
175	19.0	234.2	22,900*	31.1	265.6	26,800*	36.6	277.7	25,800*	44.3	291.8	21,600*	50.8	300.4	17,500*							175
180	12.7	216.1	20,300*	27.7	256.6	25,400*	33.6	270.5	24,600*	41.8	286.3	20,500*	48.6	296.1	16,600*							180
185				23.7	245.9	24,100*	30.4	262.3	23,400*	39.2	280.4	19,500*	46.3	291.5	15,700*	52.5	297.7	11,900*				185
190				19.0	232.9	22,900*	26.8	253.0	22,400*	36.4	273.8	18,600*	43.9	286.4	14,800*	50.3	293.6	11,200*				190
195				12.6	214.6	21,400*	22.7	241.9	21,300*	33.4	266.6	17,700*	41.4	280.9	14,000*	48.1	289.2	10,500*				195
200							17.8	228.1	20,300*	30.2	258.3	16,800*	38.8	274.9	13,300*	45.8	284.5	9,800*				200
205							10.7	207.7	19,400*	26.6	248.9	16,000*	36.0	268.2	12,600*	43.4	279.3	9,200*				205
210										22.4	237.7	15,200*	33.0	260.8	11,900*	40.8	273.7	8,600*	47.3	280.6	5,500*	210
215										17.4	223.6	14,400*	29.7	252.5	11,200*	38.1	267.5	8,000*	45.0	275.7	5,000*	215
220										10.0	202.4	13,600*	26.0	242.8	10,600*	35.3	260.7	7,500*	42.5	270.4	4,500*	220
225													21.8	231.3	10,000*	32.2	253.1	7,000*	39.9	264.6	4,100*	225
230													16.5	216.6	9,300*	28.9	244.5	6,500*				230
235													8.5	193.2	8,700*	25.1	234.5	6,000*				235
240																20.7	222.4	5,500*				240
245																15.1	206.5	5,000*				245
250																4.9	176.7	4,500*				250

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

170 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.6	354.1	63,700*																60
65	73.9	352.7	62,400*																65
70	72.2	351.1	60,900*																70
75	70.5	349.4	59,200*																75
80	68.8	347.5	57,500*																80
85	67.1	345.4	55,700*																85
90	65.4	343.2	53,700*	70.5	348.1	66,000*													90
95	63.6	340.8	51,700*	68.8	346.2	65,000*													95
100	61.8	338.1	49,700*	67.1	344.1	63,500*													100
105	60.0	335.3	47,600*	65.4	341.9	59,400													105
110	58.1	332.3	45,500*	63.6	339.5	55,600	66.7	342.3	51,400										110
115	56.2	329.0	43,400*	61.8	336.8	52,300	65.0	340.0	48,200										115
120	54.3	325.5	41,400*	60.0	334.0	49,200	63.2	337.5	45,300										120
125	52.3	321.7	39,300*	58.1	331.0	46,400	61.4	334.8	42,700										125
130	50.2	317.6	36,900*	56.2	327.7	43,800	59.6	332.0	40,300										130
135	48.1	313.2	34,800*	54.3	324.2	41,500	57.7	328.9	38,100										135
140	45.9	308.5	32,800*	52.3	320.4	39,300*	55.8	325.5	36,000	61.3	331.3	30,600							140
145	43.6	303.4	30,900*	50.2	316.3	36,900*	53.8	322.0	34,100	59.4	328.4	28,900							145
150	41.3	297.8	29,300*	48.1	311.9	34,800*	51.8	318.1	32,400	57.6	325.3	27,300							150
155	38.8	291.8	27,700*	45.9	307.2	32,800*	49.8	314.0	30,700	55.7	321.9	25,900							155
160	36.1	285.2	26,200*	43.6	302.1	31,000*	47.6	309.5	29,200	53.7	318.3	24,500							160
165	33.3	277.8	24,900*	41.2	296.5	29,300*	45.4	304.7	27,800	51.7	314.5	23,200	57.3	320.2	18,800				165
170	30.2	269.6	23,600*	38.8	290.5	27,700*	43.1	299.5	26,400	49.6	310.3	22,100	55.4	316.8	17,800				170
175	26.9	260.3	22,400*	36.1	283.8	26,200*	40.7	293.8	25,200	47.5	305.8	20,900	53.4	313.2	16,800				175
180	23.0	249.3	21,200*	33.3	276.5	24,900*	38.2	287.7	24,000	45.3	301.0	19,900	51.4	309.3	15,800				180
185	18.5	235.8	20,200*	30.2	268.3	23,600*	35.5	280.9	22,800	43.0	295.7	18,900	49.3	305.1	14,900				185
190	12.3	217.1	17,800*	26.8	258.9	22,400*	32.6	273.4	21,800	40.5	290.1	17,900	47.2	300.5	14,100	52.9	306.4	10,400	190
195				23.0	248.0	21,300*	29.5	265.0	20,800	38.0	283.8	17,000	44.9	295.6	13,300	50.9	302.4	9,700	195
200				18.4	234.5	20,200*	26.1	255.3	19,800	35.3	277.0	16,200	42.6	290.3	12,600	48.8	298.2	9,100	200
205				12.2	215.7	18,900*	22.1	243.9	18,900	32.4	269.5	15,300	40.2	284.6	11,900	46.7	293.6	8,400	205
210							17.3	229.6	18,000	29.3	261.0	14,600	37.6	278.3	11,200	44.4	288.6	7,900	210
215							10.4	208.6	17,100	25.8	251.2	13,800	34.9	271.4	10,500	42.1	283.2	7,300	215
220										21.8	239.6	13,100	32.0	263.7	9,900	39.6	277.3	6,800	220
225										16.9	225.0	12,400	28.8	255.0	9,300	37.0	270.9	6,200	225
230										9.7	203.2	11,700	25.3	245.1	8,700	34.3	263.8	5,700	230
235													21.2	233.2	8,200	31.3	255.9	5,300	235
240													16.1	218.0	7,600	28.0	247.0	4,800	240
245													8.2	193.9	7,000	24.4	236.6	4,400	245

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

170 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.8	363.1	57,500*																65
70	73.2	361.6	56,200*																70
75	71.6	360.0	55,000*																75
80	70.0	358.2	53,600*																80
85	68.4	356.3	52,100*																85
90	66.8	354.2	50,500*																90
95	65.1	351.9	48,900*	70.0	356.9	59,300*													95
100	63.4	349.5	47,100*	68.4	355.0	57,600*													100
105	61.7	346.8	45,400*	66.8	352.9	55,800*													105
110	60.0	344.0	43,600*	65.1	350.6	54,000*	68.0	353.1	50,700										110
115	58.2	340.9	41,800*	63.4	348.1	51,700	66.4	351.0	47,600										115
120	56.4	337.7	40,000*	61.7	345.5	48,600	64.7	348.7	44,700										120
125	54.6	334.2	38,200*	60.0	342.7	45,800	63.0	346.2	42,100										125
130	52.7	330.5	36,500*	58.2	339.6	43,300	61.3	343.5	39,700										130
135	50.8	326.5	34,700*	56.4	336.4	40,900	59.6	340.6	37,500										135
140	48.8	322.2	32,600*	54.6	332.9	38,700	57.8	337.5	35,400	62.9	342.6	29,900							140
145	46.7	317.6	30,800*	52.7	329.2	36,700	56.0	334.2	33,500	61.2	339.9	28,300							145
150	44.6	312.6	29,100*	50.8	325.1	34,700*	54.2	330.7	31,800	59.5	337.0	26,700							150
155	42.4	307.3	27,500*	48.8	320.9	32,700*	52.3	326.9	30,200	57.7	333.9	25,300							155
160	40.1	301.5	26,000*	46.7	316.3	30,800*	50.3	322.8	28,600	55.9	330.6	23,900							160
165	37.7	295.2	24,600*	44.6	311.3	29,100*	48.3	318.5	27,200	54.0	327.1	22,600							165
170	35.1	288.3	23,300*	42.4	306.0	27,500*	46.3	313.8	25,900	52.1	323.3	21,400	57.4	328.9	17,100				170
175	32.4	280.8	22,100*	40.1	300.2	26,000*	44.1	308.8	24,600	50.2	319.2	20,300	55.6	325.5	16,100				175
180	29.4	272.3	20,900*	37.7	293.9	24,600*	41.9	303.3	23,400	48.2	314.8	19,300	53.8	321.9	15,200				180
185	26.1	262.6	19,900*	35.1	287.0	23,300*	39.6	297.5	22,300	46.1	310.1	18,300	51.9	318.1	14,300				185
190	22.4	251.3	18,800*	32.4	279.4	22,100*	37.1	291.0	21,200	44.0	305.0	17,300	49.9	313.9	13,500				190
195	17.9	237.4	17,900*	29.4	270.9	21,000*	34.5	284.0	20,200	41.7	299.6	16,400	47.9	309.5	12,700				195
200	11.9	218.2	15,700*	26.1	261.3	19,900*	31.7	276.2	19,300	39.4	293.7	15,600	45.8	304.8	11,900	51.4	311.3	8,400	200
205				22.4	249.9	18,900*	28.7	267.5	18,400	36.9	287.2	14,800	43.7	299.7	11,200	49.5	307.1	7,800	205
210				17.9	236.0	17,900*	25.3	257.5	17,500	34.3	280.1	14,000	41.4	294.1	10,600	47.4	302.6	7,200	210
215				11.9	216.7	16,700*	21.5	245.8	16,700	31.5	272.3	13,300	39.1	288.1	9,900	45.3	297.8	6,600	215
220							16.8	231.0	15,900	28.5	263.5	12,600	36.6	281.6	9,300	43.2	292.6	6,100	220
225							10.1	209.5	15,000	25.1	253.4	11,900	33.9	274.4	8,700	40.9	286.9	5,600	225
230										21.2	241.5	11,200	31.1	266.5	8,200	38.5	280.8	5,100	230
235										16.4	226.5	10,600	28.0	257.5	7,600	36.0	274.2	4,700	235
240										9.5	204.0	10,000	24.6	247.2	7,100	33.3	266.8	4,200	240
245													20.6	235.0	6,600				245
250													15.6	219.3	6,100				250
255													8.0	194.5	5,500				255

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

170 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.6	373.5	53,000*																65
70	74.1	372.1	52,000*																70
75	72.6	370.5	51,000*																75
80	71.1	368.8	49,800*																80
85	69.5	367.0	48,600*																85
90	68.0	365.0	47,300*																90
95	66.4	362.9	45,900*																95
100	64.9	360.6	44,500*	69.5	365.7	53,200*													100
105	63.3	358.1	43,000*	68.0	363.7	51,500*													105
110	61.6	355.5	41,500*	66.4	361.6	49,700*													110
115	60.0	352.6	39,900*	64.8	359.3	47,900*	67.6	361.9	46,900										115
120	58.3	349.6	38,400*	63.2	356.8	45,900*	66.1	359.7	44,000										120
125	56.6	346.4	36,800*	61.6	354.2	44,000*	64.5	357.4	41,400										125
130	54.9	342.9	35,300*	60.0	351.3	42,100*	62.9	354.9	39,000										130
135	53.1	339.2	33,800*	58.3	348.3	40,200*	61.3	352.2	36,800										135
140	51.3	335.3	32,100*	56.6	345.1	38,100	59.6	349.3	34,800										140
145	49.4	331.1	30,200*	54.9	341.6	36,100	57.9	346.2	32,900	62.8	351.3	27,500							145
150	47.5	326.6	28,500*	53.1	337.9	34,100*	56.2	342.9	31,100	61.2	348.6	26,000							150
155	45.5	321.8	26,900*	51.3	334.0	32,100*	54.5	339.4	29,500	59.5	345.7	24,500							155
160	43.4	316.6	25,400*	49.4	329.8	30,200*	52.7	335.7	28,000	57.8	342.6	23,200							160
165	41.3	311.1	24,000*	47.5	325.3	28,500*	50.8	331.7	26,600	56.1	339.3	21,900							165
170	39.0	305.1	22,700*	45.5	320.5	26,900*	49.0	327.4	25,200	54.3	335.8	20,700							170
175	36.7	298.6	21,500*	43.4	315.3	25,400*	47.0	322.9	24,000	52.6	332.0	19,600	57.6	337.5	15,300				175
180	34.2	291.4	20,400*	41.3	309.7	24,000*	45.0	318.0	22,800	50.7	328.0	18,600	55.9	334.2	14,400				180
185	31.5	283.6	19,300*	39.0	303.7	22,800*	42.9	312.7	21,700	48.8	323.7	17,600	54.1	330.7	13,500				185
190	28.6	274.8	18,300*	36.7	297.2	21,500*	40.8	307.1	20,600	46.9	319.2	16,600	52.3	326.9	12,700				190
195	25.4	264.9	17,300*	34.2	290.1	20,400*	38.5	301.0	19,600	44.9	314.2	15,800	50.5	322.8	12,000				195
200	21.8	253.2	16,400*	31.5	282.2	19,300*	36.1	294.3	18,700	42.8	309.0	14,900	48.6	318.5	11,200				200
205	17.5	238.9	15,600*	28.6	273.5	18,300*	33.6	287.0	17,800	40.6	303.3	14,100	46.6	313.9	10,500	51.9	320.1	7,000	205
210	11.6	219.1	13,500*	25.4	263.5	17,400*	30.9	279.0	16,900	38.4	297.1	13,400	44.6	308.9	9,800	50.0	316.0	6,400	210
215				21.8	251.9	16,500*	28.0	270.0	16,100	36.0	290.5	12,600	42.5	303.6	9,200	48.1	311.6	5,900	215
220				17.4	237.5	15,600*	24.7	259.7	15,300	33.4	283.1	11,900	40.3	297.8	8,600	46.1	306.9	5,400	220
225				11.6	217.7	14,500*	20.9	247.6	14,600	30.7	275.0	11,300	38.0	291.6	8,000	44.1	301.8	4,900	225
230							16.3	232.5	13,800	27.7	266.0	10,600	35.6	284.8	7,500	42.0	296.4	4,400	230
235							9.8	210.3	13,100	24.4	255.6	10,000	33.1	277.4	6,900				235
240										20.6	243.3	9,400	30.3	269.2	6,400				240
245										16.0	227.8	8,800	27.3	260.0	5,900				245
250										9.2	204.8	8,200	23.9	249.3	5,400				250
255													20.0	236.7	5,000				255
260													15.2	220.6	4,500				260
265													7.8	195.2	4,000				265

MANITOWOC ENGINEERING CO.

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

180 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	65.0	253.0	133,000*b																			45
50	60.3	250.3	126,000*b																			50
55	55.4	247.0	119,700*b																			55
60	50.2	243.0	113,800*b	65.7	252.0	124,800*b																60
65	44.5	238.3	101,300*	61.1	249.4	117,900*b																65
70	38.2	232.4	91,200*	56.2	246.2	111,400*b	65.2	250.3	114,600b													70
75	30.8	224.8	82,700*	51.1	242.4	105,400*b	60.6	247.6	105,100b													75
80	21.0	214.0	75,500*	45.5	237.8	99,900*	55.7	244.3	97,000b													80
85				39.3	232.1	92,800*	50.5	240.4	89,900b													85
90				32.1	224.9	84,100*	44.8	235.7	83,700	61.0	244.3	77,500b										90
95				22.9	214.8	76,700*	38.6	229.9	78,200	56.2	241.1	72,400b										95
100				3.1	191.3	67,800*	31.2	222.4	73,400	51.0	237.3	68,000b										100
105							21.6	211.9	69,000	45.4	232.7	63,900										105
110										39.2	227.0	60,300	56.3	236.3	55,500b							110
115										32.0	219.7	57,000	51.2	232.5	52,500							115
120										22.8	209.6	53,900	45.6	227.9	49,700							120
125													39.4	222.2	47,200							125
130													32.2	215.0	44,800	50.8	226.0	41,000				130
135													23.1	205.0	42,600	45.2	221.3	39,000				135
140													4.1	182.5	40,500	38.9	215.6	37,200				140
145																31.6	208.2	35,500				145
150																22.3	197.9	33,900	44.0	212.9	30,800	150
155																			37.6	206.9	29,400	155
160																			30.1	199.1	28,100	160
165																			20.0	187.9	26,900	165

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LUFFING JIB NO. 133 OR NO. 133A ON
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207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

180 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	68.3	263.9	128,100*b																			45
50	64.3	261.6	121,700*b																			50
55	60.3	258.9	115,800*b																			55
60	56.0	255.7	110,300*	68.9	262.9	120,400*b																60
65	51.5	251.9	101,900*	65.0	260.7	114,100*b																65
70	46.7	247.4	91,600*	61.0	258.0	108,100*b																70
75	41.5	242.1	83,100*	56.7	254.9	99,200	64.6	258.9	92,900b													75
80	35.6	235.6	75,900*	52.3	251.2	91,200	60.5	256.2	85,400b													80
85	28.7	227.4	69,700*	47.5	246.9	84,400	56.2	253.0	79,000													85
90	19.6	215.7	64,300*	42.4	241.7	78,300	51.8	249.3	73,300													90
95				36.6	235.4	73,000	47.0	244.8	68,300	60.9	253.0	60,500b										95
100				29.9	227.5	68,200	41.8	239.6	63,900	56.7	249.8	56,500										100
105				21.4	216.7	63,900	35.9	233.1	59,900	52.2	246.1	52,900										105
110				2.8	191.4	58,400*	29.1	225.0	56,200	47.5	241.8	49,700										110
115							20.2	213.6	52,900	42.3	236.6	46,800	56.8	245.0	40,600							115
120										36.5	230.3	44,100	52.3	241.3	38,300							120
125										29.8	222.4	41,700	47.6	237.0	36,100							125
130										21.2	211.5	39,400	42.4	231.8	34,200							130
135													36.7	225.6	32,300	52.0	234.9	27,300				135
140													30.0	217.7	30,600	47.2	230.5	25,900				140
145													21.5	206.9	29,000	42.1	225.2	24,500				145
150													3.7	182.7	27,300	36.3	218.9	23,200				150
155																29.5	210.9	22,000	46.3	222.1	17,900	155
160																20.7	199.7	20,800	41.0	216.7	16,900	160
165																			35.1	210.1	16,000	165
170																			28.0	201.6	15,100	170
175																			18.6	189.5	14,200	175

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

180 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	70.8	274.7	123,500*b																			45
50	67.4	272.7	117,500*b																			50
55	63.9	270.3	112,000*b																			55
60	60.2	267.6	106,900*																			60
65	56.5	264.4	102,100*	68.0	271.7	110,300*b																65
70	52.5	260.7	91,900*	64.5	269.4	104,900*b																70
75	48.3	256.5	83,300*	60.9	266.7	98,700	67.6	269.9	92,300b													75
80	43.8	251.5	76,100*	57.1	263.6	90,700	64.1	267.6	84,800b													80
85	38.9	245.7	69,900*	53.2	260.0	83,900	60.4	264.9	78,400													85
90	33.4	238.6	64,500*	49.0	255.9	77,900	56.7	261.7	72,800													90
95	27.0	229.7	59,800*	44.6	251.0	72,600	52.7	258.1	67,800													95
100	18.4	217.3	55,600*	39.8	245.4	67,900	48.6	253.9	63,400	60.8	261.6	55,800										100
105				34.4	238.6	63,700	44.1	248.9	59,400	57.0	258.5	52,300										105
110				28.1	230.1	59,800	39.2	243.2	55,800	53.1	254.9	49,100										110
115				20.1	218.4	56,300*	33.8	236.2	52,600	49.0	250.8	46,200										115
120				2.6	191.5	50,800*	27.3	227.4	49,600	44.6	245.9	43,600	57.1	253.7	37,600							120
125							19.0	215.3	46,900	39.7	240.2	41,200	53.2	250.1	35,500							125
130										34.3	233.4	39,000	49.1	246.0	33,500							130
135										28.0	224.9	36,900	44.7	241.2	31,700							135
140										19.9	213.2	35,000	39.9	235.5	30,100	52.9	243.7	25,200				140
145													34.5	228.7	28,500	48.8	239.5	23,800				145
150													28.2	220.2	27,000	44.3	234.6	22,600				150
155													20.2	208.7	25,600	39.5	228.9	21,400				155
160													3.5	182.9	24,200	34.1	222.0	20,300				160
165																27.7	213.3	19,200				165
170																19.5	201.4	18,200				170
175																			48.0	231.2	16,200	175
180																			33.0	213.0	13,700	180
185																			26.4	204.0	12,900	185
																			17.5	191.0	12,100	185

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

180 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	72.8	285.2	118,600*b																			45
50	69.8	283.5	113,200*b																			50
55	66.7	281.4	108,100*b																			55
60	63.5	279.0	103,300*																			60
65	60.2	276.2	98,900*	70.3	282.4	106,300*b																65
70	56.8	273.1	91,900*	67.2	280.4	101,300*b																70
75	53.3	269.5	83,300*	64.0	278.1	96,600*																75
80	49.6	265.4	76,000*	60.8	275.4	90,100	66.8	278.7	84,100b													80
85	45.7	260.7	69,700*	57.4	272.3	83,300	63.7	276.3	77,600													85
90	41.5	255.3	64,300*	53.9	268.8	77,300	60.4	273.6	72,000													90
95	36.8	249.0	59,600*	50.2	264.8	72,000	57.0	270.4	67,100													95
100	31.6	241.5	55,400*	46.3	260.2	67,300	53.5	266.9	62,700													100
105	25.5	232.0	51,700*	42.2	254.9	63,100	49.8	262.8	58,800	60.7	270.3	51,500										105
110	17.4	218.8	48,400*	37.6	248.8	59,400	45.9	258.1	55,200	57.3	267.2	48,300										110
115				32.6	241.5	55,900	41.7	252.8	52,000	53.8	263.7	45,500										115
120				26.6	232.4	52,300*	37.1	246.5	49,100	50.2	259.7	42,900										120
125				19.0	220.1	48,900*	31.9	239.1	46,400	46.3	255.1	40,500	57.4	262.4	34,600							125
130				2.4	191.6	44,600*	25.9	229.7	43,900	42.1	249.8	38,300	53.9	258.9	32,700							130
135							17.9	216.8	41,600	37.6	243.7	36,300	50.3	254.9	30,900							135
140										32.5	236.3	34,400	46.4	250.3	29,300							140
145										26.5	227.2	32,600	42.2	245.1	27,800							145
150										18.9	214.8	31,000	37.7	238.9	26,300	50.0	248.4	21,700				150
155													32.6	231.6	25,000	46.1	243.8	20,600				155
160													26.7	222.6	23,700	41.9	238.5	19,500				160
165													19.1	210.3	22,500	37.4	232.3	18,400				165
170													3.2	183.2	21,200	32.2	224.9	17,500	45.3	235.4	13,600	170
175																26.2	215.7	16,500	41.1	229.9	12,800	175
180																18.4	203.0	15,600	36.4	223.5	12,100	180
185																			31.2	215.8	11,400	185
190																			24.9	206.2	10,700	190
195																			16.6	192.4	10,000	195

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

180 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.4	295.7	113,000*																			45
50	71.7	294.1	108,100*																			50
55	68.9	292.3	103,500*																			55
60	66.1	290.1	99,200*																			60
65	63.2	287.7	95,000*																			65
70	60.2	284.9	89,900*	69.4	291.2	98,500*																70
75	57.1	281.8	84,400*	66.5	289.1	94,100*																75
80	53.9	278.3	78,200*	63.7	286.7	89,400																80
85	50.6	274.3	71,700*	60.7	284.0	82,600	66.2	287.4	76,900													85
90	47.1	269.8	66,100*	57.6	281.0	76,700	63.3	285.0	71,300													90
95	43.4	264.7	61,200*	54.5	277.5	71,400	60.4	282.2	66,400													95
100	39.4	258.9	56,900*	51.2	273.6	66,700	57.3	279.1	62,000													100
105	35.0	252.2	53,100*	47.7	269.2	62,600	54.1	275.6	58,100													105
110	30.1	244.2	49,700*	44.0	264.3	58,800	50.8	271.7	54,600	60.6	278.9	47,600										110
115	24.3	234.1	46,600*	40.1	258.6	55,400	47.3	267.2	51,400	57.6	275.9	44,800										115
120	16.6	220.2	43,800*	35.8	252.0	52,300	43.6	262.2	48,500	54.4	272.4	42,200										120
125				31.0	244.3	49,400	39.6	256.4	45,800	51.1	268.5	39,800										125
130				25.3	234.7	46,800	35.3	249.7	43,400	47.7	264.1	37,600	57.7	271.1	32,000							130
135				18.1	221.7	44,300*	30.4	241.8	41,100	44.0	259.2	35,600	54.5	267.6	30,200							135
140				2.2	191.8	38,100*	24.6	231.9	39,000	40.0	253.5	33,800	51.2	263.7	28,600							140
145							17.1	218.3	37,000	35.7	246.9	32,100	47.8	259.4	27,100							145
150										30.9	239.1	30,500	44.1	254.4	25,700							150
155										25.2	229.5	28,900	40.1	248.7	24,400	51.0	257.3	19,800				155
160										18.0	216.4	27,500	35.9	242.2	23,100	47.5	252.8	18,800				160
165													31.0	234.4	21,900	43.8	247.8	17,700				165
170										25.4	224.8	20,800	25.4	224.8	20,800	39.9	242.1	16,800				170
175										18.2	211.9	19,800	18.2	211.9	19,800	35.5	235.5	15,900	46.8	244.5	12,100	175
180										3.0	183.3	18,600	3.0	183.3	18,600	30.7	227.6	15,100	43.1	239.4	11,400	180
185																25.0	217.9	14,200	39.1	233.5	10,700	185
190																17.6	204.6	13,400	34.7	226.7	10,000	190
195																			29.7	218.5	9,400	195
200																			23.7	208.3	8,800	200
205																			15.8	193.8	8,200	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

180 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.7	306.1	106,000*																			45
50	73.3	304.6	102,700*																			50
55	70.7	303.0	98,900*																			55
60	68.2	301.0	94,700*																			60
65	65.6	298.8	90,200*																			65
70	62.9	296.3	85,500*																			70
75	60.2	293.6	80,800*	68.6	300.0	90,800*																75
80	57.4	290.5	76,100*	66.0	297.8	87,000*																80
85	54.5	287.0	71,300*	63.4	295.4	82,000																85
90	51.4	283.1	65,700*	60.6	292.7	76,000	65.7	296.1	70,600													90
95	48.3	278.8	60,800*	57.8	289.6	70,800	63.0	293.6	65,700													95
100	45.0	274.0	56,500*	55.0	286.2	66,100	60.3	290.9	61,300													100
105	41.4	268.6	52,700*	52.0	282.4	62,000	57.5	287.8	57,400													105
110	37.6	262.4	49,300*	48.8	278.2	58,200	54.6	284.3	53,900													110
115	33.5	255.2	46,200*	45.5	273.5	54,800	51.6	280.5	50,700	60.6	287.6	44,000										115
120	28.8	246.7	43,400*	42.1	268.2	51,700	48.5	276.2	47,800	57.8	284.6	41,400										120
125	23.2	236.2	40,900*	38.3	262.1	48,900	45.2	271.4	45,200	54.9	281.1	39,100										125
130	15.8	221.6	38,500*	34.2	255.1	46,300	41.6	266.0	42,800	51.9	277.3	36,900										130
135				29.6	246.9	43,900*	37.9	259.9	40,500	48.8	273.1	34,900	57.9	279.7	29,400							135
140				24.2	236.8	41,300*	33.7	252.8	38,500	45.5	268.4	33,100	55.0	276.3	27,800							140
145				17.3	223.1	39,000*	29.0	244.4	36,500	42.0	263.0	31,400	52.0	272.6	26,300							145
150				2.1	191.9	33,700*	23.5	234.0	34,700	38.2	257.0	29,800	48.9	268.3	24,900							150
155							16.3	219.7	33,000	34.1	250.0	28,300	45.6	263.6	23,600							155
160										29.5	241.7	26,900	42.1	258.3	22,400	51.8	266.1	17,900				160
165										24.1	231.6	25,600	38.3	252.2	21,200	48.6	261.8	16,900				165
170										17.2	217.9	24,300	34.3	245.3	20,100	45.3	257.1	16,000				170
175													29.7	237.1	19,100	41.8	251.7	15,100				175
180													24.3	227.0	18,100	38.1	245.6	14,300	48.0	253.5	10,500	180
185													17.4	213.4	17,200	33.9	238.6	13,500	44.7	248.6	9,800	185
190													2.9	183.5	16,100	29.3	230.2	12,700	41.1	243.1	9,200	190
195																23.9	220.0	12,000	37.3	236.9	8,600	195
200																16.8	206.0	11,300	33.1	229.6	8,000	200
205																			28.4	221.0	7,500	205
210																			22.7	210.2	6,900	210
215																			15.0	195.1	6,400	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

180 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.6	315.1	95,100*																			50
55	72.3	313.5	92,100*																			55
60	69.9	311.8	88,700*																			60
65	67.6	309.8	85,000*																			65
70	65.1	307.5	81,100*																			70
75	62.7	305.0	77,100*	70.3	310.7	87,600*																75
80	60.2	302.2	73,000*	68.0	308.8	84,200*																80
85	57.6	299.1	68,900*	65.6	306.5	80,800*																85
90	54.9	295.7	64,900*	63.1	304.1	75,700	67.7	307.0	70,200													90
95	52.1	291.9	60,700*	60.6	301.3	70,400	65.3	304.8	65,300													95
100	49.3	287.8	56,400*	58.0	298.3	65,800	62.8	302.3	61,000													100
105	46.3	283.1	52,600*	55.4	294.9	61,600	60.3	299.5	57,100													105
110	43.1	278.0	49,100*	52.6	291.2	57,900	57.7	296.5	53,600													110
115	39.7	272.2	46,100*	49.8	287.1	54,500	55.0	293.1	50,400													115
120	36.1	265.6	43,300*	46.8	282.6	51,500	52.3	289.3	47,500	60.5	296.3	41,000										120
125	32.1	258.1	40,700*	43.6	277.5	48,600	49.4	285.2	44,900	58.0	293.2	38,700										125
130	27.6	249.2	38,400*	40.3	271.9	46,100	46.4	280.6	42,500	55.3	289.9	36,500										130
135	22.3	238.1	36,300*	36.7	265.4	43,700	43.3	275.4	40,300	52.6	286.1	34,600										135
140	15.2	222.9	34,300*	32.8	258.1	41,200*	39.9	269.7	38,200	49.7	282.0	32,800	58.0	288.4	27,400							140
145				28.4	249.4	38,800*	36.3	263.2	36,300	46.7	277.5	31,100	55.4	285.1	25,900							145
150				23.2	238.8	36,700*	32.3	255.7	34,500	43.6	272.4	29,500	52.6	281.4	24,500							150
155				16.6	224.6	34,700*	27.9	246.9	32,900	40.3	266.7	28,000	49.8	277.3	23,200							155
160				2.0	192.0	30,100*	22.6	236.0	31,300	36.7	260.3	26,600	46.8	272.7	22,000							160
165							15.6	221.0	29,800	32.7	252.9	25,400	43.7	267.6	20,900	52.4	274.9	16,500				165
170										28.3	244.3	24,100	40.3	262.0	19,800	49.6	270.8	15,600				170
175										23.1	233.6	23,000	36.8	255.6	18,800	46.6	266.2	14,800				175
180										16.5	219.3	21,800	32.8	248.2	17,900	43.4	261.1	14,000				180
185													28.5	239.6	17,000	40.1	255.4	13,200				185
190													23.3	229.0	16,100	36.5	248.9	12,500	46.0	257.8	8,900	190
195													16.7	214.8	15,300	32.6	241.5	11,700	42.8	252.6	8,300	195
200													2.7	183.7	14,300	28.1	232.7	11,100	39.4	246.8	7,700	200
205																22.9	222.0	10,400	35.8	240.1	7,200	205
210																16.1	207.4	9,800	31.8	232.5	6,600	210
215																			27.2	223.4	6,100	215
220																			21.8	212.2	5,700	220
225																			14.4	196.3	5,100	225

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

180 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.7	325.4	87,700*																			50
55	73.6	324.0	85,300*																			55
60	71.4	322.4	82,600*																			60
65	69.3	320.6	79,600*																			65
70	67.0	318.5	76,400*																			70
75	64.8	316.2	73,100*																			75
80	62.5	313.7	69,600*	69.6	319.5	81,600*																80
85	60.1	310.9	66,100*	67.4	317.5	78,600*																85
90	57.7	307.8	62,600*	65.2	315.2	75,000																90
95	55.3	304.4	59,100*	62.9	312.8	69,800	67.2	315.8	64,600													95
100	52.7	300.7	55,700*	60.5	310.0	65,200	64.9	313.5	60,200													100
105	50.1	296.7	52,400*	58.2	307.0	61,000	62.6	311.0	56,400													105
110	47.3	292.2	49,100*	55.7	303.7	57,300	60.3	308.2	52,900													110
115	44.5	287.3	45,900*	53.2	300.0	53,900	57.9	305.1	49,700													115
120	41.4	281.8	43,100*	50.5	296.0	50,900	55.4	301.8	46,800	62.8	307.7	40,200										120
125	38.2	275.7	40,500*	47.8	291.6	48,100	52.9	298.1	44,200	60.5	304.9	37,900										125
130	34.7	268.8	38,200*	45.0	286.8	45,500	50.2	294.0	41,800	58.1	301.9	35,800										130
135	30.9	260.9	36,100*	42.0	281.4	43,100	47.5	289.6	39,600	55.7	298.6	33,800										135
140	26.6	251.5	34,000*	38.8	275.4	40,900	44.6	284.7	37,600	53.1	294.9	32,000										140
145	21.4	240.0	32,000*	35.3	268.6	38,600*	41.6	279.2	35,700	50.5	290.9	30,300										145
150	14.6	224.1	30,300*	31.6	260.9	36,400*	38.4	273.2	33,900	47.8	286.5	28,800	55.7	293.8	23,700							150
155				27.3	251.9	34,400*	34.9	266.3	32,300	44.9	281.6	27,300	53.2	290.1	22,400							155
160				22.4	240.8	32,600*	31.1	258.5	30,700	41.9	276.3	26,000	50.6	286.1	21,200							160
165				15.9	226.0	30,900*	26.8	249.2	29,300	38.7	270.3	24,700	47.8	281.7	20,100							165
170				1.9	192.1	26,800*	21.7	237.9	27,900	35.3	263.5	23,500	45.0	276.9	19,100	53.0	283.7	14,800				170
175							15.0	222.3	26,600	31.5	255.8	22,300	42.0	271.5	18,100	50.4	279.6	13,900				175
180										27.3	246.7	21,300	38.8	265.5	17,200	47.6	275.2	13,100				180
185										22.3	235.6	20,200	35.4	258.8	16,300	44.8	270.3	12,400				185
190										15.8	220.6	19,200	31.6	251.1	15,400	41.8	264.9	11,700				190
195													27.4	242.0	14,600	38.6	258.9	11,000	47.1	266.9	7,400	195
200													22.4	231.0	13,900	35.1	252.1	10,300	44.2	261.9	6,900	200
205													16.0	216.2	13,100	31.3	244.3	9,700	41.2	256.4	6,300	205
210													2.6	183.9	12,300	27.1	235.1	9,100	37.9	250.2	5,800	210
215																22.0	223.9	8,500	34.4	243.2	5,400	215
220																15.5	208.7	7,900	30.6	235.2	4,900	220
225																			26.2	225.8	4,400	225
230																			20.9	214.0	4,000	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

180 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.7	334.4	79,000*																			55
60	72.7	332.9	76,900*																			60
65	70.7	331.2	74,400*																			65
70	68.7	329.3	71,800*																			70
75	66.6	327.2	69,000*																			75
80	64.5	324.9	66,100*	71.0	330.2	78,600*																80
85	62.3	322.3	63,100*	69.0	328.3	75,800*																85
90	60.1	319.5	60,000*	66.9	326.2	73,100*																90
95	57.9	316.5	57,000*	64.8	323.9	69,200																95
100	55.6	313.1	54,000*	62.7	321.4	64,500	66.7	324.5	59,600													100
105	53.2	309.5	51,100*	60.5	318.7	60,400	64.6	322.2	55,700													105
110	50.8	305.5	48,200*	58.3	315.6	56,700	62.4	319.6	52,200													110
115	48.3	301.2	45,400*	56.0	312.4	53,300	60.3	316.9	49,100													115
120	45.6	296.4	42,800*	53.6	308.8	50,300	58.0	313.8	46,200													120
125	42.9	291.2	40,300*	51.2	304.9	47,500	55.7	310.5	43,600	62.7	316.3	37,200										125
130	40.0	285.4	38,000*	48.7	300.6	44,900	53.4	306.9	41,200	60.5	313.6	35,100										130
135	36.8	279.0	35,800*	46.1	295.9	42,600	50.9	302.9	39,000	58.2	310.6	33,100										135
140	33.5	271.8	33,700*	43.3	290.8	40,400	48.4	298.6	37,000	56.0	307.3	31,300										140
145	29.8	263.5	31,800*	40.5	285.1	38,400	45.8	293.9	35,100	53.6	303.7	29,700										145
150	25.6	253.8	30,000*	37.4	278.8	36,500	43.0	288.7	33,300	51.2	299.8	28,100										150
155	20.7	241.8	28,400*	34.1	271.7	34,600*	40.1	282.9	31,700	48.7	295.5	26,700	56.0	302.5	21,700							155
160	14.1	225.3	26,300*	30.4	263.6	32,800*	37.0	276.5	30,200	46.0	290.8	25,300	53.7	298.9	20,500							160
165				26.4	254.2	31,000*	33.7	269.4	28,700	43.3	285.6	24,100	51.2	295.0	19,400							165
170				21.6	242.7	29,400*	30.0	261.2	27,400	40.4	280.0	22,900	48.7	290.7	18,400							170
175				15.4	227.3	27,900*	25.9	251.5	26,100	37.3	273.7	21,700	46.1	286.0	17,400							175
180				1.8	192.2	22,900*	21.0	239.7	24,900	34.0	266.6	20,700	43.4	280.9	16,500	51.1	288.5	12,400				180
185							14.5	223.6	23,700	30.4	258.5	19,700	40.5	275.2	15,600	48.5	284.2	11,700				185
190										26.3	249.0	18,700	37.4	268.9	14,800	45.9	279.5	11,000				190
195										21.5	237.5	17,800	34.1	261.9	14,000	43.2	274.3	10,300				195
200										15.3	222.0	16,900	30.5	253.8	13,300	40.3	268.6	9,700				200
205													26.4	244.4	12,500	37.2	262.3	9,000	45.4	271.1	5,600	205
210													21.6	232.9	11,800	33.9	255.1	8,500	42.6	265.8	5,100	210
215													15.5	217.6	11,200	30.2	247.0	7,900	39.7	260.0	4,700	215
220													2.5	184.1	10,400	26.1	237.5	7,300	36.6	253.5	4,200	220
225																21.2	225.8	6,800				225
230																14.9	210.0	6,300				230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

180 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.7	344.8	73,000*																55
60	73.8	343.4	71,300*																60
65	71.9	341.8	69,300*																65
70	70.0	340.1	67,200*																70
75	68.1	338.1	64,900*																75
80	66.2	335.9	62,400*																80
85	64.2	333.6	59,900*	70.4	339.0	72,800*													85
90	62.2	331.0	57,300*	68.5	337.1	70,400*													90
95	60.1	328.2	54,700*	66.5	335.0	67,900*													95
100	58.0	325.1	52,000*	64.5	332.6	63,900													100
105	55.9	321.8	49,400*	62.5	330.1	59,800	66.3	333.2	55,000										105
110	53.7	318.2	46,900*	60.5	327.3	56,000	64.3	330.9	51,500										110
115	51.4	314.4	44,400*	58.4	324.3	52,700	62.3	328.3	48,400										115
120	49.1	310.1	42,000*	56.2	321.1	49,600	60.2	325.5	45,500										120
125	46.6	305.5	39,600*	54.1	317.5	46,800	58.1	322.5	42,900										125
130	44.1	300.5	37,400*	51.8	313.7	44,300	56.0	319.2	40,500	62.5	325.0	34,300							130
135	41.4	295.0	35,300*	49.5	309.5	41,900	53.8	315.6	38,300	60.4	322.2	32,400							135
140	38.6	289.0	33,400*	47.0	305.0	39,800	51.5	311.7	36,300	58.4	319.2	30,600							140
145	35.6	282.2	31,500*	44.5	300.0	37,800	49.2	307.5	34,400	56.2	316.0	28,900							145
150	32.4	274.7	29,800*	41.9	294.6	35,900	46.8	302.9	32,700	54.0	312.4	27,400							150
155	28.8	266.1	28,200*	39.1	288.7	34,100*	44.2	297.9	31,100	51.8	308.6	25,900							155
160	24.8	256.0	26,700*	36.1	282.1	32,200*	41.6	292.5	29,500	49.4	304.4	24,600	56.3	311.2	19,700				160
165	20.0	243.6	25,300*	32.9	274.7	30,500*	38.8	286.5	28,100	47.0	299.9	23,300	54.1	307.6	18,600				165
170	13.6	226.5	23,200*	29.4	266.3	28,900*	35.8	279.8	26,800	44.5	294.9	22,200	51.8	303.8	17,600				170
175				25.5	256.5	27,400*	32.6	272.3	25,500	41.9	289.5	21,100	49.5	299.6	16,700				175
180				20.9	244.5	26,000*	29.0	263.7	24,300	39.1	283.5	20,000	47.1	295.1	15,700				180
185				14.9	228.6	24,700*	25.0	253.7	23,200	36.1	276.9	19,000	44.6	290.1	14,900	51.7	297.3	10,800	185
190				1.7	192.3	20,300*	20.3	241.5	22,100	32.9	269.5	18,100	41.9	284.7	14,100	49.3	293.1	10,100	190
195							14.0	224.8	21,000	29.4	261.1	17,200	39.1	278.8	13,300	46.9	288.6	9,500	195
200										25.4	251.3	16,300	36.2	272.2	12,600	44.4	283.6	8,900	200
205										20.8	239.3	15,500	33.0	264.8	11,800	41.7	278.1	8,300	205
210										14.8	223.2	14,700	29.5	256.4	11,200	38.9	272.2	7,700	210
215													25.5	246.6	10,500	36.0	265.5	7,100	215
220													20.9	234.7	9,900	32.7	258.1	6,600	220
225													15.0	218.8	9,300	29.2	249.6	6,100	225
230													2.4	184.2	8,600	25.2	239.7	5,600	230
235																20.6	227.6	5,100	235
240																14.4	211.3	4,600	240

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

180 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.8	353.8	66,100*																60
65	73.0	352.3	64,500*																65
70	71.3	350.7	62,700*																70
75	69.5	348.9	60,900*																75
80	67.7	346.8	58,900*																80
85	65.8	344.7	56,700*																85
90	64.0	342.3	54,500*	69.8	347.8	67,600*													90
95	62.1	339.7	52,300*	68.0	345.8	65,600*													95
100	60.1	336.9	50,000*	66.1	343.7	63,400*													100
105	58.1	333.8	47,700*	64.3	341.3	59,300	67.8	344.1	54,500										105
110	56.1	330.5	45,400*	62.4	338.8	55,600	65.9	341.9	51,100										110
115	54.1	327.0	43,200*	60.4	336.0	52,300	64.1	339.6	47,900										115
120	51.9	323.2	41,000*	58.5	333.0	49,200	62.2	337.0	45,100										120
125	49.8	319.0	38,900*	56.5	329.7	46,500	60.2	334.2	42,500										125
130	47.5	314.6	36,800*	54.4	326.2	43,900	58.3	331.1	40,100										130
135	45.2	309.7	34,900*	52.3	322.5	41,600	56.2	327.9	37,900	62.3	333.7	31,900							135
140	42.7	304.4	33,000*	50.1	318.4	39,400	54.2	324.3	35,900	60.4	330.9	30,200							140
145	40.1	298.7	31,200*	47.9	314.0	37,400	52.1	320.5	34,100	58.5	327.9	28,500							145
150	37.4	292.4	29,600*	45.6	309.2	35,600	49.9	316.4	32,300	56.4	324.7	27,000							150
155	34.5	285.4	28,000*	43.1	304.0	33,800*	47.6	312.0	30,700	54.4	321.2	25,500							155
160	31.4	277.5	26,500*	40.6	298.3	31,900*	45.3	307.1	29,200	52.3	317.4	24,200							160
165	27.9	268.6	25,100*	37.9	292.1	30,200*	42.8	301.9	27,800	50.1	313.3	23,000	56.5	319.8	18,200				165
170	24.0	258.1	23,900*	35.0	285.2	28,600*	40.3	296.2	26,400	47.8	308.9	21,800	54.4	316.4	17,200				170
175	19.4	245.3	22,700*	31.9	277.5	27,100*	37.6	289.9	25,200	45.5	304.1	20,700	52.3	312.6	16,300				175
180	13.2	227.6	20,600*	28.5	268.8	25,700*	34.7	282.9	24,000	43.1	298.9	19,600	50.2	308.5	15,400				180
185				24.7	258.6	24,400*	31.6	275.1	22,900	40.5	293.2	18,700	47.9	304.1	14,500				185
190				20.2	246.3	23,200*	28.1	266.2	21,800	37.8	287.0	17,700	45.6	299.3	13,700	52.2	306.1	9,700	190
195				14.4	229.8	22,000*	24.2	255.9	20,800	35.0	280.1	16,900	43.1	294.1	12,900	50.0	302.0	9,100	195
200				1.7	192.4	18,000*	19.6	243.2	19,800	31.9	272.4	16,000	40.6	288.5	12,200	47.7	297.6	8,500	200
205							13.6	226.0	18,900	28.5	263.6	15,200	37.9	282.2	11,500	45.4	292.8	7,900	205
210										24.7	253.4	14,400	35.0	275.4	10,800	43.0	287.5	7,300	210
215										20.1	241.0	13,700	32.0	267.7	10,200	40.4	281.8	6,800	215
220										14.3	224.5	13,000	28.6	259.0	9,600	37.7	275.6	6,300	220
225													24.8	248.8	9,000	34.8	268.7	5,800	225
230													20.3	236.5	8,400	31.7	260.9	5,300	230
235													14.5	220.1	7,900	28.3	252.1	4,800	235
240													2.3	184.4	7,200	24.5	241.8	4,400	240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

180 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.7	364.2	61,100*																60
65	74.0	362.8	59,800*																65
70	72.4	361.2	58,300*																70
75	70.7	359.5	56,800*																75
80	69.0	357.6	55,100*																80
85	67.2	355.6	53,400*																85
90	65.5	353.4	51,600*	71.0	358.5	63,100*													90
95	63.7	350.9	49,700*	69.3	356.6	62,500*													95
100	61.9	348.3	47,700*	67.5	354.6	60,900*													100
105	60.1	345.5	45,700*	65.8	352.4	58,700													105
110	58.3	342.5	43,700*	64.0	350.0	55,000	67.3	352.9	50,400										110
115	56.4	339.2	41,700*	62.2	347.4	51,700	65.6	350.6	47,300										115
120	54.4	335.7	39,800*	60.4	344.6	48,600	63.8	348.2	44,400										120
125	52.4	332.0	37,900*	58.6	341.6	45,900	62.0	345.6	41,800										125
130	50.4	327.9	36,000*	56.7	338.4	43,300	60.2	342.8	39,500										130
135	48.3	323.5	34,200*	54.7	335.0	41,000	58.4	339.8	37,300										135
140	46.1	318.8	32,500*	52.8	331.2	38,800	56.5	336.6	35,300	62.2	342.3	29,400							140
145	43.8	313.8	30,800*	50.7	327.2	36,800	54.5	333.1	33,400	60.4	339.6	27,800							145
150	41.4	308.2	29,200*	48.6	322.9	35,000	52.5	329.3	31,700	58.5	336.6	26,200							150
155	38.9	302.2	27,700*	46.4	318.3	33,200	50.5	325.3	30,100	56.6	333.3	24,800							155
160	36.3	295.7	26,300*	44.2	313.3	31,400*	48.4	320.9	28,600	54.7	329.9	23,500							160
165	33.5	288.4	24,900*	41.8	307.8	29,700*	46.2	316.3	27,100	52.7	326.2	22,300							165
170	30.5	280.2	23,700*	39.4	301.9	28,100*	43.9	311.2	25,800	50.7	322.1	21,100	56.7	328.5	16,400				170
175	27.1	271.0	22,500*	36.8	295.4	26,600*	41.6	305.7	24,600	48.6	317.8	20,000	54.8	325.1	15,500				175
180	23.3	260.2	21,300*	34.0	288.3	25,200*	39.1	299.7	23,400	46.4	313.2	19,000	52.8	321.4	14,600				180
185	18.8	246.9	20,300*	31.0	280.3	23,900*	36.5	293.2	22,300	44.2	308.2	18,000	50.7	317.4	13,700				185
190	12.8	228.7	18,100*	27.7	271.3	22,700*	33.7	285.9	21,200	41.8	302.7	17,100	48.6	313.1	12,900				190
195				24.0	260.8	21,500*	30.6	277.9	20,200	39.3	296.8	16,200	46.5	308.4	12,200	52.6	314.9	8,300	195
200				19.6	248.0	20,500*	27.3	268.7	19,300	36.7	290.3	15,400	44.2	303.4	11,500	50.6	310.9	7,700	200
205				14.0	231.0	19,400*	23.5	258.0	18,400	33.9	283.1	14,600	41.9	298.0	10,800	48.5	306.5	7,100	205
210				1.6	192.5	15,800*	19.1	244.9	17,500	30.9	275.2	13,800	39.4	292.1	10,100	46.3	301.9	6,500	210
215							13.2	227.1	16,600	27.7	266.1	13,100	36.8	285.6	9,500	44.1	296.8	6,000	215
220										23.9	255.6	12,400	34.0	278.4	8,900	41.7	291.4	5,500	220
225										19.6	242.8	11,700	31.0	270.5	8,300	39.2	285.4	5,000	225
230										13.9	225.7	11,000	27.7	261.4	7,800	36.6	278.9	4,500	230
235													24.0	251.0	7,200	33.8	271.7	4,100	235
240													19.7	238.2	6,700				240
245													14.1	221.3	6,200				245
250													2.2	184.5	5,600				250

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

180 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.9	373.2	55,200*																65
70	73.3	371.7	54,000*																70
75	71.7	370.1	52,800*																75
80	70.1	368.3	51,500*																80
85	68.5	366.4	50,000*																85
90	66.9	364.3	48,500*																90
95	65.2	362.1	46,900*	70.4	367.3	57,400*													95
100	63.5	359.6	45,300*	68.8	365.4	56,900*													100
105	61.8	357.0	43,600*	67.2	363.3	55,700*													105
110	60.1	354.2	41,900*	65.5	361.1	54,000*													110
115	58.3	351.2	40,200*	63.8	358.7	51,100	67.0	361.6	46,600										115
120	56.6	347.9	38,500*	62.1	356.1	48,000	65.3	359.3	43,800										120
125	54.7	344.4	36,800*	60.4	353.3	45,300	63.6	356.9	41,200										125
130	52.8	340.7	35,100*	58.6	350.3	42,700	61.9	354.3	38,800										130
135	50.9	336.8	33,500*	56.9	347.1	40,400	60.2	351.5	36,700										135
140	48.9	332.5	31,900*	55.0	343.7	38,300	58.4	348.5	34,700										140
145	46.9	327.9	30,300*	53.2	340.0	36,300	56.6	345.3	32,800	62.1	351.0	27,100							145
150	44.8	323.0	28,900*	51.2	336.1	34,400	54.8	341.8	31,100	60.4	348.2	25,600							150
155	42.6	317.7	27,400*	49.3	331.9	32,700	52.9	338.1	29,500	58.6	345.2	24,200							155
160	40.3	311.9	26,100*	47.2	327.3	31,100	51.0	334.1	28,000	56.8	342.0	22,900							160
165	37.9	305.7	24,700*	45.1	322.5	29,500*	49.0	329.9	26,600	55.0	338.6	21,600							165
170	35.3	298.8	23,400*	42.9	317.2	27,900*	47.0	325.3	25,300	53.1	334.9	20,500							170
175	32.6	291.3	22,200*	40.7	311.6	26,300*	44.9	320.4	24,000	51.2	331.0	19,400	56.9	337.2	14,800				175
180	29.6	282.9	21,000*	38.3	305.4	24,900*	42.7	315.1	22,900	49.2	326.8	18,300	55.0	333.8	13,900				180
185	26.4	273.3	19,900*	35.7	298.7	23,600*	40.4	309.4	21,700	47.2	322.2	17,400	53.2	330.1	13,100				185
190	22.7	262.2	18,900*	33.0	291.3	22,400*	38.0	303.2	20,700	45.1	317.4	16,500	51.3	326.2	12,300				190
195	18.3	248.5	17,900*	30.1	283.0	21,200*	35.4	296.4	19,700	42.9	312.1	15,600	49.3	322.0	11,500				195
200	12.5	229.8	15,900*	26.9	273.7	20,100*	32.7	288.9	18,800	40.6	306.4	14,800	47.3	317.5	10,800				200
205				23.3	262.8	19,100*	29.8	280.5	17,900	38.2	300.3	14,000	45.1	312.6	10,200	51.1	319.7	6,400	205
210				19.1	249.7	18,100*	26.6	271.0	17,000	35.7	293.5	13,200	43.0	307.4	9,500	49.1	315.5	5,900	210
215				13.6	232.2	17,200*	22.9	260.0	16,200	33.0	286.1	12,500	40.7	301.7	8,900	47.1	310.9	5,300	215
220				1.5	192.6	13,800*	18.6	246.5	15,400	30.1	277.8	11,800	38.3	295.5	8,300	45.0	306.0	4,800	220
225							12.8	228.2	14,600	26.9	268.5	11,200	35.8	288.8	7,700	42.8	300.8	4,400	225
230										23.3	257.6	10,600	33.1	281.4	7,200				230
235										19.0	244.4	9,900	30.2	273.2	6,700				235
240										13.5	226.8	9,300	27.0	263.8	6,200				240
245													23.4	253.0	5,700				245
250													19.1	239.9	5,200				250
255													13.7	222.5	4,700				255
260													2.2	184.7	4,200				260

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

180 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.7	383.5	51,000*													65
70	74.2	382.2	50,000*													70
75	72.7	380.6	49,000*													75
80	71.2	379.0	47,900*													80
85	69.6	377.1	46,700*													85
90	68.1	375.2	45,500*													90
95	66.5	373.0	44,200*													95
100	65.0	370.8	42,800*	69.9	376.1	52,300*										100
105	63.4	368.3	41,400*	68.4	374.2	51,400*										105
110	61.7	365.7	39,900*	66.8	372.1	49,800*										110
115	60.1	362.8	38,400*	65.2	369.8	48,100*										115
120	58.4	359.8	36,900*	63.6	367.4	46,300*	66.6	370.3	43,100							120
125	56.7	356.6	35,400*	62.0	364.8	44,400*	65.0	368.0	40,500							125
130	55.0	353.2	34,000*	60.4	362.0	42,100	63.5	365.6	38,200							130
135	53.2	349.5	32,500*	58.7	359.0	39,800	61.8	363.0	36,000							135
140	51.4	345.6	31,000*	57.0	355.8	37,600	60.2	360.2	34,000							140
145	49.5	341.4	29,600*	55.3	352.4	35,700	58.5	357.1	32,100							145
150	47.6	336.9	28,300*	53.5	348.8	33,800	56.8	353.9	30,400	62.0	359.7	24,800				150
155	45.6	332.1	27,000*	51.7	344.9	32,100	55.1	350.5	28,800	60.4	356.9	23,400				155
160	43.6	327.0	25,500*	49.8	340.8	30,500	53.3	346.9	27,300	58.7	353.9	22,100				160
165	41.4	321.5	24,100*	47.9	336.3	28,900*	51.5	343.0	25,900	57.0	350.7	20,900				165
170	39.2	315.5	22,800*	46.0	331.6	27,300*	49.6	338.8	24,600	55.3	347.3	19,700				170
175	36.9	309.0	21,600*	43.9	326.5	25,800*	47.7	334.3	23,400	53.5	343.7	18,700				175
180	34.4	301.9	20,500*	41.8	321.1	24,400*	45.7	329.6	22,200	51.7	339.8	17,600	57.0	345.9	13,100	180
185	31.7	294.1	19,400*	39.6	315.2	23,100*	43.7	324.4	21,100	49.8	335.7	16,700	55.3	342.5	12,300	185
190	28.8	285.5	18,400*	37.3	308.8	21,800*	41.5	318.9	20,100	47.9	331.2	15,800	53.5	338.9	11,500	190
195	25.7	275.6	17,400*	34.8	301.8	20,700*	39.3	313.0	19,100	45.9	326.5	14,900	51.7	335.0	10,800	195
200	22.1	264.1	16,500*	32.2	294.2	19,600*	37.0	306.5	18,200	43.9	321.4	14,100	49.9	330.9	10,100	200
205	17.8	250.0	15,600*	29.3	285.6	18,600*	34.5	299.5	17,300	41.8	315.9	13,300	48.0	326.5	9,400	205
210	12.1	230.9	13,800*	26.2	276.0	17,600*	31.9	291.7	16,400	39.5	310.0	12,600	46.0	321.7	8,800	210
215				22.7	264.8	16,700*	29.0	283.1	15,600	37.2	303.6	11,900	43.9	316.7	8,200	215
220				18.6	251.3	15,800*	25.9	273.3	14,800	34.8	296.7	11,200	41.8	311.2	7,600	220
225				13.3	233.3	15,000*	22.3	261.9	14,100	32.1	289.0	10,500	39.6	305.3	7,000	225
230				1.5	192.6	11,900*	18.1	248.1	13,400	29.3	280.5	9,900	37.3	298.9	6,500	230
235							12.5	229.3	12,700	26.2	270.8	9,300	34.8	292.0	6,000	235
240										22.7	259.6	8,700	32.2	284.3	5,500	240
245										18.5	246.0	8,200	29.4	275.8	5,000	245
250										13.2	228.0	7,600	26.3	266.2	4,600	250
255													22.8	255.0	4,100	255

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

190 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	65.3	263.1	120,100*b																			45
50	60.6	260.5	113,900*b																			50
55	55.8	257.2	108,100*b																			55
60	50.6	253.3	102,900*b																			60
65	44.9	248.6	98,200*	62.2	260.0	111,700*b																65
70	38.7	242.8	91,800*	57.5	257.0	106,000*b																70
75	31.3	235.4	83,300*	52.4	253.3	98,800b	62.2	258.4	92,200b													75
80	21.8	224.9	76,000*	46.9	248.9	90,900	57.4	255.4	84,800b													80
85				40.9	243.5	84,100	52.3	251.7	78,400b													85
90				34.0	236.7	78,000	46.9	247.3	72,800													90
95				25.5	227.6	72,700	40.8	241.9	67,800	58.7	252.5	59,600b										95
100				12.0	211.9	67,800	33.9	235.1	63,400	53.7	249.0	55,700b										100
105							25.4	225.9	59,400	48.4	244.8	52,200										105
110							11.7	210.1	55,600	42.5	239.7	49,000										110
115										35.9	233.4	46,100	54.7	244.6	39,600b							115
120										27.9	225.0	43,500	49.4	240.5	37,400							120
125										16.6	212.1	41,000	43.7	235.6	35,300							125
130													37.3	229.6	33,300							130
135													29.6	221.7	31,500	49.9	234.4	26,300				135
140													19.3	210.1	29,800	44.2	229.6	24,900				140
145																37.9	223.6	23,500				145
150																30.4	216.0	22,200				150
155																20.4	204.9	21,000				155
160																			44.0	221.6	16,800	160
165																			37.6	215.6	15,800	165
170																			30.1	207.8	14,900	170
																			20.0	196.6	14,000	

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

190 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	68.5	274.1	116,000*b																			45
50	64.6	271.8	110,200*b																			50
55	60.5	269.1	104,800*b																			55
60	56.3	265.9	99,800*b																			60
65	51.8	262.2	95,300*	66.0	271.2	108,000*b																65
70	47.0	257.8	91,000*	62.0	268.7	102,700*b																70
75	41.8	252.5	83,600*	57.8	265.7	97,700*b	65.9	269.6	91,500b													75
80	36.0	246.1	76,300*	53.4	262.1	90,400	61.9	267.1	84,100b													80
85	29.2	238.0	70,100*	48.7	257.9	83,500	57.7	264.1	77,700b													85
90	20.3	226.7	64,700*	43.7	253.0	77,600	53.3	260.5	72,100													90
95				38.1	247.0	72,300	48.7	256.3	67,200	63.0	264.1	58,800b										95
100				31.7	239.6	67,600	43.6	251.4	62,800	58.9	261.2	54,900b										100
105				23.7	229.7	63,300	38.0	245.4	58,900	54.5	257.8	51,400										105
110				11.1	212.8	59,400	31.6	237.9	55,300	50.0	253.8	48,300										110
115							23.6	228.0	52,100	45.0	249.0	45,400										115
120							10.9	210.9	49,000	39.6	243.4	42,900	55.4	253.3	36,500							120
125										33.5	236.4	40,500	50.9	249.4	34,500							125
130										26.0	227.3	38,200	46.0	244.9	32,600							130
135										15.4	213.4	36,100	40.7	239.4	30,800							135
140													34.7	232.7	29,200	51.3	243.3	24,000				140
145													27.6	224.1	27,600	46.5	238.8	22,700				145
150													18.0	211.7	26,100	41.2	233.4	21,500				150
155																35.3	226.8	20,300				155
160																28.3	218.5	19,200	46.3	230.8	15,000	160
165																19.0	206.6	18,200	41.0	225.3	14,100	165
170																			35.1	218.7	13,300	170
175																			28.0	210.3	12,500	175
180																			18.6	198.2	11,700	180

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

190 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	71.0	284.8	110,700*																			45
50	67.6	282.8	105,500*																			50
55	64.1	280.5	100,500*																			55
60	60.5	277.8	96,000*																			60
65	56.7	274.6	91,700*	68.8	282.1	104,300*																65
70	52.8	271.0	87,700*	65.3	279.9	99,800*																70
75	48.6	266.8	83,900*	61.7	277.3	95,500*																75
80	44.2	261.9	77,000*	58.0	274.3	89,800	65.3	278.3	83,500b													80
85	39.3	256.1	70,700*	54.2	270.9	83,000	61.7	275.7	77,100													85
90	33.9	249.2	65,200*	50.1	266.9	77,100	58.0	272.7	71,600													90
95	27.5	240.4	60,400*	45.7	262.2	71,900	54.1	269.3	66,700													95
100	19.1	228.3	56,100*	41.0	256.8	67,200	50.0	265.2	62,300	62.7	272.7	54,200b										100
105				35.8	250.3	63,000	45.7	260.6	58,400	59.0	269.8	50,800										105
110				29.8	242.3	59,200	41.0	255.1	54,900	55.2	266.5	47,700										110
115				22.3	231.6	55,800	35.7	248.6	51,700	51.2	262.6	44,800										115
120				10.4	213.7	52,500	29.7	240.6	48,800	46.9	258.2	42,300										120
125							22.2	229.9	46,100	42.3	253.0	39,900	55.9	262.0	33,800							125
130							10.2	211.8	43,500	37.2	246.8	37,800	51.9	258.3	31,900							130
135										31.4	239.2	35,800	47.7	253.9	30,200							135
140										24.5	229.5	33,900	43.2	248.9	28,600							140
145										14.5	214.7	32,100	38.2	242.9	27,100	52.3	252.1	22,000				145
150													32.6	235.6	25,700	48.1	247.8	20,800				150
155													25.9	226.4	24,300	43.6	242.8	19,700				155
160													16.9	213.1	23,100	38.7	236.9	18,700				160
165																33.2	229.8	17,700				165
170																26.6	220.8	16,700	48.0	239.8	13,400	170
175																17.9	208.1	15,800	38.5	228.9	11,900	175
180																			33.0	221.7	11,200	180
185																			26.4	212.6	10,500	185
190																			17.5	199.7	9,800	190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

190 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	73.0	295.3	106,600*																			45
50	70.0	293.6	101,900*																			50
55	66.9	291.5	97,300*																			55
60	63.7	289.2	93,000*																			60
65	60.4	286.4	88,900*	71.0	292.8	100,700*b																65
70	57.1	283.3	85,200*	67.9	290.9	96,700*b																70
75	53.5	279.8	80,800*	64.8	288.6	92,400*																75
80	49.9	275.7	75,600*	61.6	286.0	88,300*	67.9	289.3	82,700b													80
85	45.9	271.1	70,600*	58.2	283.0	82,400	64.8	287.0	76,400													85
90	41.8	265.7	65,000*	54.8	279.6	76,500	61.5	284.4	70,800													90
95	37.2	259.5	60,200*	51.1	275.7	71,300	58.2	281.4	66,000													95
100	32.0	252.0	56,000*	47.3	271.3	66,600	54.7	278.0	61,600													100
105	26.0	242.7	52,200*	43.2	266.2	62,500	51.1	274.1	57,700	62.4	281.4	49,900										105
110	18.1	229.9	48,800*	38.8	260.3	58,700	47.3	269.7	54,300	59.1	278.5	46,800										110
115				33.9	253.3	55,300	43.2	264.6	51,100	55.7	275.2	44,100										115
120				28.2	244.8	52,200	38.7	258.7	48,200	52.1	271.5	41,500										120
125				21.1	233.5	49,300	33.8	251.7	45,600	48.3	267.2	39,200										125
130				9.8	214.5	46,600	28.1	243.1	43,100	44.3	262.3	37,100	56.3	270.7	31,000							130
135							21.0	231.8	40,800	40.0	256.6	35,100	52.8	267.1	29,300							135
140							9.6	212.6	38,600	35.2	250.0	33,300	49.1	262.9	27,800							140
145										29.8	241.9	31,600	45.1	258.1	26,300							145
150										23.2	231.5	30,000	40.8	252.6	24,900							150
155										13.7	215.8	28,400	36.2	246.2	23,600	49.4	256.8	18,800				155
160													30.9	238.4	22,400	45.5	252.1	17,800				160
165													24.6	228.6	21,300	41.2	246.6	16,900				165
170													16.0	214.5	20,100	36.6	240.3	15,900				170
175																31.4	232.7	15,100	45.3	244.0	11,000	175
180																25.2	223.1	14,200	41.1	238.6	10,400	180
185																16.9	209.6	13,400	36.4	232.2	9,700	185
190																			31.2	224.5	9,100	190
195																			24.9	214.8	8,500	195
200																			16.6	201.1	7,900	200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

190 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.6	305.8	102,800*																			45
50	71.9	304.2	98,400*																			50
55	69.1	302.4	94,200*																			55
60	66.3	300.3	90,200*																			60
65	63.4	297.8	86,500*																			65
70	60.4	295.1	82,400*	70.0	301.6	93,500*																70
75	57.3	292.0	77,600*	67.2	299.6	89,500*																75
80	54.2	288.5	72,900*	64.4	297.3	85,700*																80
85	50.8	284.6	68,400*	61.4	294.6	81,800	67.2	298.0	75,600													85
90	47.4	280.1	64,000*	58.4	291.7	75,800	64.3	295.7	70,100													90
95	43.7	275.1	59,900*	55.3	288.3	70,600	61.4	293.1	65,300													95
100	39.7	269.4	55,900*	52.0	284.5	66,000	58.4	290.1	61,000													100
105	35.4	262.7	52,300*	48.6	280.3	61,900	55.2	286.7	57,100													105
110	30.5	254.8	49,000*	45.0	275.5	58,200	52.0	282.9	53,600	62.2	290.1	46,100										110
115	24.7	244.9	45,900*	41.1	270.0	54,800	48.5	278.7	50,500	59.2	287.2	43,300										115
120	17.2	231.4	43,200*	36.9	263.7	51,700	44.9	273.9	47,600	56.1	283.9	40,800										120
125				32.2	256.2	48,900	41.1	268.4	45,000	52.9	280.3	38,500										125
130				26.8	247.1	46,300	36.8	262.0	42,600	49.5	276.1	36,400										130
135				20.1	235.2	43,900	32.2	254.6	40,400	45.9	271.5	34,500	56.7	279.4	28,600							135
140				9.4	215.3	41,500	26.8	245.5	38,300	42.1	266.2	32,600	53.5	275.8	27,000							140
145							20.0	233.5	36,300	38.0	260.1	31,000	50.1	271.8	25,600							145
150							9.2	213.3	34,500	33.5	253.0	29,400	46.6	267.3	24,200							150
155										28.3	244.4	27,900	42.9	262.1	23,000							155
160										22.0	233.4	26,500	38.8	256.2	21,800	50.4	265.7	17,100				160
165										13.0	216.9	25,200	34.4	249.3	20,700	46.9	261.2	16,100				165
170													29.4	241.0	19,600	43.2	256.1	15,200				170
175													23.4	230.6	18,600	39.2	250.2	14,400				175
180													15.2	215.8	17,600	34.8	243.4	13,600	46.8	253.2	9,600	180
185																29.9	235.3	12,800	43.1	248.0	9,000	185
190																24.0	225.2	12,100	39.1	242.2	8,400	190
195																16.1	210.9	11,400	34.7	235.3	7,800	195
200																			29.7	227.2	7,300	200
205																			23.7	216.9	6,700	205
210																			15.8	202.4	6,200	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

190 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.9	316.2	96,100*																			45
50	73.4	314.7	93,200*																			50
55	70.9	313.1	89,900*																			55
60	68.4	311.2	86,200*																			60
65	65.8	309.0	82,400*																			65
70	63.1	306.5	78,300*																			70
75	60.4	303.8	74,200*	69.2	310.4	86,300*																75
80	57.6	300.7	70,100*	66.7	308.3	82,800*																80
85	54.7	297.2	66,000*	64.0	306.0	79,400*																85
90	51.7	293.4	62,100*	61.3	303.3	75,200	66.6	306.7	69,400													90
95	48.5	289.1	58,300*	58.5	300.3	70,000	64.0	304.4	64,500													95
100	45.2	284.3	54,700*	55.7	297.0	65,400	61.3	301.7	60,200													100
105	41.7	279.0	51,200*	52.7	293.3	61,300	58.5	298.7	56,400													105
110	37.9	272.8	48,000*	49.6	289.2	57,600	55.6	295.4	52,900													110
115	33.8	265.7	45,000*	46.4	284.6	54,200	52.7	291.7	49,800	62.0	298.7	42,500										115
120	29.1	257.4	42,300*	42.9	279.4	51,100	49.6	287.6	46,900	59.3	295.8	40,000										120
125	23.6	247.0	39,800*	39.2	273.6	48,300	46.3	283.0	44,300	56.4	292.6	37,700										125
130	16.4	232.8	37,500*	35.2	266.9	45,800	42.9	277.8	42,000	53.5	289.0	35,600										130
135				30.8	259.0	43,400	39.2	272.0	39,800	50.4	285.0	33,700										135
140				25.6	249.4	41,200	35.2	265.2	37,700	47.2	280.6	31,900	57.0	288.1	26,200							140
145				19.2	236.9	39,100	30.7	257.3	35,800	43.8	275.5	30,300	54.1	284.6	24,700							145
150				8.9	216.0	36,800*	25.6	247.7	34,000	40.2	269.9	28,700	51.0	280.7	23,400							150
155							19.1	235.2	32,400	36.3	263.4	27,300	47.8	276.3	22,200							155
160							8.7	214.1	30,700	32.0	255.8	25,900	44.5	271.4	21,000							160
165										27.1	246.8	24,600	40.9	265.9	19,900	51.3	274.5	15,300				165
170										21.1	235.3	23,400	37.1	259.6	18,900	48.1	270.2	14,400				170
175										12.5	218.0	22,200	32.9	252.2	17,900	44.8	265.3	13,600				175
180													28.1	243.5	17,000	41.3	259.9	12,800				180
185													22.3	232.6	16,100	37.5	253.6	12,100	48.0	262.2	8,100	185
190													14.5	217.0	15,200	33.3	246.4	11,300	44.7	257.3	7,500	190
195																28.5	237.9	10,700	41.1	251.8	7,000	195
200																22.9	227.2	10,000	37.3	245.5	6,400	200
205																15.4	212.3	9,300	33.1	238.3	5,900	205
210																			28.4	229.7	5,400	210
215																			22.7	218.9	5,000	215
220																			15.0	203.7	4,500	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

190 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.7	325.2	86,500*																			50
55	72.4	323.6	83,800*																			55
60	70.1	321.9	80,900*																			60
65	67.7	319.9	77,700*																			65
70	65.3	317.7	74,300*																			70
75	62.9	315.2	70,800*	70.9	321.1	82,800*																75
80	60.3	312.4	67,200*	68.5	319.2	80,000*																80
85	57.8	309.3	63,600*	66.1	317.0	77,300*																85
90	55.1	306.0	60,100*	63.7	314.6	74,700*																90
95	52.3	302.2	56,700*	61.2	312.0	69,600	66.1	315.5	64,100													95
100	49.5	298.1	53,400*	58.6	309.0	65,000	63.7	313.0	59,800													100
105	46.5	293.5	50,200*	56.0	305.7	60,900	61.2	310.4	56,000													105
110	43.3	288.3	47,200*	53.3	302.1	57,200	58.6	307.4	52,600													110
115	40.0	282.6	44,400*	50.5	298.1	53,900	56.0	304.1	49,500													115
120	36.4	276.1	41,700*	47.5	293.7	50,800	53.3	300.5	46,600	61.9	307.4	39,600										120
125	32.4	268.7	39,200*	44.4	288.7	48,100	50.4	296.5	44,000	59.3	304.5	37,400										125
130	27.9	259.8	37,000*	41.1	283.2	45,500	47.5	292.1	41,700	56.7	301.3	35,300										130
135	22.7	249.0	34,900*	37.6	277.0	43,200	44.4	287.1	39,500	54.0	297.8	33,300										135
140	15.8	234.2	33,000*	33.8	269.9	41,000	41.1	281.6	37,500	51.2	293.9	31,600										140
145				29.5	261.6	39,000	37.6	275.4	35,600	48.3	289.6	29,900	57.2	296.8	24,400							145
150				24.6	251.6	37,100	33.8	268.3	33,800	45.2	284.8	28,400	54.5	293.3	23,000							150
155				18.4	238.5	35,300	29.5	260.0	32,200	42.0	279.4	27,000	51.8	289.5	21,800							155
160				8.6	216.7	32,900*	24.5	249.9	30,600	38.6	273.4	25,600	48.9	285.3	20,700							160
165							18.3	236.8	29,200	34.8	266.5	24,400	45.8	280.6	19,600							165
170							8.4	214.7	27,700	30.7	258.6	23,200	42.6	275.3	18,600	52.0	283.3	14,000				170
175										26.0	249.1	22,100	39.2	269.4	17,600	49.1	279.1	13,200				175
180										20.2	237.0	21,000	35.6	262.8	16,700	46.1	274.5	12,500				180
185										11.9	219.0	19,900	31.5	255.1	15,800	42.9	269.3	11,700				185
190													26.9	245.9	15,000	39.6	263.5	11,000				190
195													21.4	234.5	14,200	35.9	256.9	10,400	46.0	266.5	6,600	195
200													13.9	218.2	13,400	31.9	249.3	9,800				200
205																27.4	240.3	9,100	39.4	255.4	5,600	205
210																22.0	229.1	8,600	35.8	248.8	5,100	210
215																14.8	213.5	8,000	31.8	241.1	4,700	215
220																			27.2	232.1	4,200	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

190 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.9	335.5	80,100*																50
55	73.7	334.1	78,000*																55
60	71.6	332.5	75,600*																60
65	69.4	330.7	72,900*																65
70	67.2	328.6	70,100*																70
75	64.9	326.4	67,100*																75
80	62.7	323.9	64,100*	70.2	329.9	77,200*													80
85	60.3	321.1	61,000*	68.0	327.9	74,700*													85
90	57.9	318.0	57,800*	65.7	325.7	72,100*													90
95	55.5	314.7	54,800*	63.4	323.3	69,000	67.9	326.4	63,400										95
100	52.9	311.0	51,800*	61.1	320.6	64,400	65.7	324.2	59,100										100
105	50.3	307.0	48,900*	58.7	317.7	60,300	63.4	321.7	55,300										105
110	47.5	302.5	46,200*	56.3	314.4	56,600	61.1	319.0	51,900										110
115	44.7	297.6	43,500*	53.8	310.9	53,300	58.7	316.1	48,800										115
120	41.7	292.2	41,000*	51.2	306.9	50,200	56.3	312.8	45,900										120
125	38.4	286.1	38,600*	48.5	302.6	47,500	53.8	309.3	43,400	61.7	316.0	36,600							125
130	35.0	279.3	36,400*	45.7	297.9	44,900	51.2	305.3	41,000	59.4	313.2	34,500							130
135	31.2	271.4	34,300*	42.7	292.7	42,600	48.5	301.0	38,800	56.9	310.0	32,600							135
140	26.9	262.2	32,400*	39.6	286.8	40,400	45.6	296.3	36,800	54.4	306.5	30,800							140
145	21.8	250.9	30,700*	36.2	280.3	38,400	42.7	291.1	34,900	51.9	302.7	29,200							145
150	15.2	235.5	29,100*	32.5	272.8	36,500	39.5	285.2	33,200	49.2	298.5	27,700	57.4	305.5	22,200				150
155				28.4	264.1	34,800	36.2	278.7	31,600	46.4	293.9	26,300	54.9	302.0	21,000				155
160				23.7	253.7	33,000*	32.5	271.2	30,100	43.5	288.8	24,900	52.4	298.3	19,900				160
165				17.7	240.1	31,300*	28.4	262.5	28,600	40.4	283.1	23,700	49.7	294.2	18,800				165
170				8.2	217.4	29,200*	23.6	252.0	27,300	37.1	276.8	22,500	47.0	289.6	17,800				170
175							17.6	238.3	26,000	33.5	269.6	21,400	44.1	284.6	16,800	52.6	292.1	12,400	175
180							8.0	215.4	24,700	29.5	261.2	20,400	41.0	279.1	16,000	50.0	288.0	11,600	180
185										25.0	251.3	19,400	37.7	272.9	15,100	47.2	283.5	10,900	185
190										19.4	238.7	18,400	34.2	265.9	14,300	44.3	278.6	10,200	190
195										11.5	220.0	17,500	30.3	257.8	13,500	41.3	273.1	9,600	195
200													25.9	248.2	12,800	38.0	266.9	9,000	200
205													20.6	236.3	12,100	34.5	260.0	8,400	205
210													13.4	219.4	11,400	30.7	252.0	7,800	210
215																26.3	242.6	7,300	215
220																21.1	231.0	6,700	220
225																14.2	214.8	6,200	225

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

190 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.8	344.5	72,400*																55
60	72.9	343.0	70,500*																60
65	70.8	341.4	68,300*																65
70	68.8	339.5	66,000*																70
75	66.7	337.4	63,500*																75
80	64.6	335.1	60,900*																80
85	62.5	332.5	58,200*	69.5	338.7	72,100*													85
90	60.3	329.7	55,500*	67.4	336.7	69,600*													90
95	58.1	326.7	52,800*	65.3	334.4	67,200*													95
100	55.8	323.4	50,100*	63.2	332.0	63,800	67.4	335.1	58,400										100
105	53.4	319.8	47,500*	61.0	329.3	59,700	65.3	332.9	54,600										105
110	51.0	315.8	45,000*	58.8	326.3	56,000	63.2	330.4	51,200										110
115	48.4	311.5	42,600*	56.6	323.1	52,700	61.0	327.7	48,100										115
120	45.8	306.8	40,200*	54.2	319.6	49,600	58.8	324.7	45,300										120
125	43.1	301.6	38,000*	51.8	315.8	46,900	56.5	321.5	42,700										125
130	40.2	295.9	35,900*	49.3	311.6	44,300	54.2	318.0	40,400	61.6	324.7	33,800							130
135	37.1	289.5	33,900*	46.7	307.0	42,000	51.8	314.2	38,200	59.4	321.8	31,900							135
140	33.7	282.3	32,000*	44.0	302.0	39,900	49.3	310.0	36,200	57.1	318.7	30,100							140
145	30.1	274.1	30,300*	41.2	296.5	37,900	46.7	305.4	34,300	54.8	315.2	28,500							145
150	25.9	264.5	28,700*	38.2	290.3	36,000	44.0	300.4	32,600	52.4	311.5	27,000							150
155	21.0	252.8	27,200*	34.9	283.4	34,300	41.1	294.8	31,000	50.0	307.4	25,600	57.6	314.1	20,300				155
160	14.6	236.7	25,900*	31.4	275.6	32,600	38.1	288.7	29,500	47.4	302.9	24,300	55.3	310.8	19,100				160
165				27.4	266.6	31,100	34.9	281.8	28,100	44.7	298.0	23,000	52.9	307.1	18,100				165
170				22.8	255.7	29,700	31.3	274.0	26,800	41.9	292.6	21,900	50.5	303.1	17,100				170
175				17.1	241.5	28,300*	27.4	264.9	25,500	39.0	286.7	20,800	47.9	298.7	16,200				175
180				7.9	218.0	25,200*	22.8	254.0	24,300	35.8	280.0	19,800	45.3	293.8	15,300				180
185							17.0	239.8	23,200	32.3	272.5	18,800	42.5	288.6	14,400	50.7	296.9	10,200	185
190							7.8	216.1	22,000	28.5	263.8	17,900	39.5	282.7	13,600	48.1	292.5	9,500	190
195										24.1	253.4	17,000	36.4	276.2	12,900	45.5	287.8	8,900	195
200										18.8	240.4	16,100	33.0	268.8	12,200	42.7	282.5	8,300	200
205										11.1	220.9	15,300	29.3	260.4	11,500	39.8	276.7	7,700	205
210													25.0	250.4	10,800	36.7	270.3	7,200	210
215													19.9	238.0	10,200	33.3	263.0	6,600	215
220													12.9	220.5	9,500	29.6	254.7	6,100	220
225																25.4	244.9	5,600	225
230																20.4	232.8	5,200	230
235																13.7	215.9	4,700	235

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE IN
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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

190 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.8	354.9	67,100*																55
60	74.0	353.5	65,500*																60
65	72.1	351.9	63,700*																65
70	70.2	350.2	61,800*																70
75	68.3	348.2	59,700*																75
80	66.3	346.1	57,600*																80
85	64.3	343.7	55,300*	70.8	349.4	69,000*													85
90	62.3	341.2	53,000*	68.9	347.5	66,900*													90
95	60.3	338.4	50,600*	67.0	345.4	64,700*													95
100	58.2	335.4	48,300*	65.0	343.1	62,500*													100
105	56.0	332.1	45,900*	63.0	340.7	59,000	67.0	343.8	53,900										105
110	53.8	328.5	43,700*	61.0	337.9	55,300	65.0	341.6	50,500										110
115	51.6	324.6	41,400*	58.9	335.0	52,000	63.0	339.1	47,400										115
120	49.2	320.4	39,300*	56.8	331.8	49,000	61.0	336.4	44,600										120
125	46.8	315.9	37,200*	54.6	328.3	46,200	58.9	333.4	42,000										125
130	44.3	310.9	35,200*	52.4	324.6	43,700	56.8	330.2	39,700										130
135	41.6	305.4	33,400*	50.0	320.5	41,400	54.6	326.7	37,500	61.5	333.4	31,100							135
140	38.8	299.4	31,600*	47.6	316.0	39,300	52.3	323.0	35,500	59.4	330.5	29,300							140
145	35.8	292.7	29,900*	45.2	311.2	37,300	50.0	318.9	33,700	57.3	327.3	27,700							145
150	32.6	285.3	28,300*	42.5	305.9	35,400	47.6	314.4	32,000	55.2	323.9	26,200							150
155	29.1	276.7	26,800*	39.8	300.1	33,700	45.1	309.6	30,400	52.9	320.3	24,800							155
160	25.1	266.8	25,500*	36.9	293.7	32,100	42.5	304.3	28,900	50.6	316.3	23,500	57.7	322.8	18,300				160
165	20.4	254.5	24,200*	33.8	286.5	30,600	39.8	298.5	27,500	48.3	311.9	22,300	55.6	319.5	17,300				165
170	14.2	238.0	23,100*	30.3	278.4	29,100	36.9	292.0	26,100	45.8	307.2	21,200	53.4	315.8	16,300				170
175				26.5	268.9	27,800*	33.7	284.8	24,900	43.2	302.0	20,100	51.1	311.9	15,400				175
180				22.1	257.6	26,400*	30.3	276.7	23,700	40.5	296.3	19,100	48.7	307.6	14,500				180
185				16.5	243.0	25,000*	26.5	267.3	22,600	37.7	290.1	18,100	46.3	303.0	13,700				185
190				7.7	218.7	22,200*	22.0	255.9	21,500	34.6	283.1	17,200	43.7	297.9	12,900	51.3	305.7	8,700	190
195							16.5	241.2	20,500	31.3	275.3	16,300	41.1	292.3	12,100	49.0	301.5	8,100	195
200							7.5	216.7	19,500	27.6	266.2	15,500	38.2	286.2	11,400	46.5	296.9	7,500	200
205										23.3	255.5	14,700	35.2	279.4	10,800	44.0	291.8	6,900	205
210										18.1	241.9	13,900	31.9	271.7	10,100	41.3	286.3	6,400	210
215										10.7	221.8	13,200	28.3	262.9	9,500	38.5	280.2	5,900	215
220													24.2	252.6	8,900	35.5	273.5	5,400	220
225													19.2	239.7	8,300	32.2	265.9	4,900	225
230													12.5	221.5	7,700	28.6	257.2	4,400	230
235																24.6	247.0	4,000	235

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

190 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.9	363.9	60,900*																60
65	73.2	362.4	59,500*																65
70	71.4	360.8	57,900*																70
75	69.6	359.0	56,200*																75
80	67.8	357.0	54,300*																80
85	66.0	354.8	52,400*																85
90	64.1	352.4	50,400*	70.2	358.2	63,100*													90
95	62.2	349.9	48,400*	68.4	356.3	62,300*													95
100	60.3	347.1	46,400*	66.6	354.1	60,400*													100
105	58.3	344.0	44,300*	64.7	351.8	58,400*													105
110	56.3	340.8	42,300*	62.8	349.3	54,900	66.6	352.6	50,000										110
115	54.2	337.2	40,300*	60.9	346.6	51,600	64.7	350.3	47,000										115
120	52.1	333.4	38,300*	59.0	343.7	48,600	62.8	347.7	44,200										120
125	49.9	329.3	36,400*	57.0	340.5	45,900	60.9	345.0	41,600										125
130	47.7	324.9	34,600*	54.9	337.0	43,300	58.9	342.1	39,300										130
135	45.3	320.1	32,800*	52.8	333.3	41,000	56.9	338.9	37,100										135
140	42.9	314.8	31,100*	50.7	329.3	38,900	54.9	335.4	35,100	61.4	342.0	28,900							140
145	40.3	309.1	29,500*	48.4	325.0	36,900	52.8	331.7	33,300	59.5	339.1	27,300							145
150	37.6	302.8	28,000*	46.1	320.3	35,100	50.6	327.7	31,600	57.5	336.0	25,800							150
155	34.7	295.9	26,600*	43.7	315.2	33,300	48.4	323.4	30,000	55.5	332.7	24,400							155
160	31.6	288.1	25,200*	41.2	309.7	31,700	46.1	318.7	28,500	53.4	329.0	23,200							160
165	28.2	279.2	24,000*	38.6	303.6	30,200	43.7	313.6	27,100	51.2	325.1	21,900	57.9	331.5	16,900				165
170	24.3	268.9	22,800*	35.7	296.9	28,800	41.2	308.1	25,800	49.0	320.9	20,800	55.9	328.2	15,900				170
175	19.7	256.3	21,700*	32.7	289.4	27,500*	38.5	302.0	24,600	46.7	316.3	19,700	53.8	324.6	15,000				175
180	13.7	239.1	20,700*	29.4	281.0	26,100*	35.7	295.3	23,400	44.4	311.3	18,700	51.6	320.7	14,100				180
185				25.7	271.2	24,700*	32.7	287.8	22,300	41.9	305.9	17,800	49.5	316.5	13,300				185
190				21.4	259.5	23,500*	29.4	279.3	21,300	39.3	299.9	16,900	47.2	312.0	12,500				190
195				16.0	244.4	22,300*	25.7	269.5	20,300	36.5	293.4	16,000	44.8	307.1	11,800	51.8	314.6	7,700	195
200				7.4	219.3	19,800*	21.4	257.8	19,300	33.5	286.1	15,200	42.4	301.8	11,100	49.7	310.4	7,100	200
205							16.0	242.6	18,400	30.3	278.0	14,400	39.8	296.0	10,400	47.4	305.9	6,500	205
210							7.3	217.3	17,500	26.7	268.6	13,700	37.0	289.6	9,800	45.0	301.1	6,000	210
215										22.6	257.5	12,900	34.1	282.4	9,200	42.6	295.8	5,500	215
220										17.6	243.5	12,200	30.9	274.5	8,600	40.0	290.0	5,000	220
225										10.4	222.7	11,500	27.4	265.3	8,000	37.3	283.6	4,500	225
230													23.4	254.6	7,500	34.4	276.6	4,100	230
235													18.6	241.3	7,000				235
240													12.1	222.6	6,400				240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

190 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.8	374.3	56,300*																60
65	74.1	372.9	55,100*																65
70	72.5	371.3	53,700*																70
75	70.8	369.6	52,300*																75
80	69.1	367.8	50,900*																80
85	67.4	365.7	49,300*																85
90	65.6	363.5	47,700*																90
95	63.9	361.1	46,000*	69.7	367.0	57,500*													95
100	62.1	358.5	44,200*	68.0	365.0	56,800*													100
105	60.2	355.7	42,400*	66.2	362.9	55,900*													105
110	58.4	352.7	40,700*	64.5	360.5	54,300	67.9	363.4	49,300										110
115	56.5	349.5	38,800*	62.7	358.0	51,000	66.2	361.3	46,300										115
120	54.5	346.0	37,100*	60.9	355.3	48,000	64.4	358.9	43,500										120
125	52.6	342.2	35,400*	59.0	352.3	45,200	62.7	356.4	40,900										125
130	50.5	338.2	33,700*	57.1	349.2	42,700	60.9	353.7	38,600										130
135	48.4	333.8	32,100*	55.2	345.8	40,400	59.0	350.7	36,400										135
140	46.2	329.2	30,500*	53.2	342.1	38,300	57.1	347.6	34,500										140
145	44.0	324.1	29,000*	51.2	338.2	36,300	55.2	344.2	32,600	61.3	350.7	26,600							145
150	41.6	318.6	27,600*	49.1	333.9	34,500	53.2	340.5	30,900	59.5	347.8	25,100							150
155	39.1	312.7	26,200*	47.0	329.4	32,800	51.2	336.6	29,300	57.6	344.7	23,700							155
160	36.5	306.1	24,900*	44.7	324.5	31,200	49.1	332.3	27,900	55.7	341.4	22,400							160
165	33.7	298.9	23,700*	42.4	319.1	29,700	47.0	327.8	26,500	53.8	337.8	21,200							165
170	30.7	290.8	22,600*	40.0	313.3	28,300	44.7	322.8	25,200	51.7	333.9	20,100	58.0	340.2	15,100				170
175	27.4	281.7	21,500*	37.4	307.0	26,900	42.4	317.5	23,900	49.7	329.8	19,000	56.1	336.9	14,200				175
180	23.6	271.0	20,500*	34.7	300.0	25,700	40.0	311.7	22,800	47.5	325.3	18,000	54.1	333.3	13,300				180
185	19.2	257.9	19,500*	31.7	292.3	24,400*	37.4	305.4	21,700	45.3	320.5	17,100	52.1	329.5	12,500				185
190	13.3	240.3	18,500*	28.5	283.5	23,200*	34.7	298.4	20,700	43.0	315.2	16,200	50.1	325.4	11,700				190
195				24.9	273.4	22,000*	31.7	290.6	19,700	40.6	309.6	15,300	48.0	321.0	11,000				195
200				20.8	261.3	20,900*	28.5	281.9	18,800	38.1	303.4	14,500	45.8	316.3	10,300	52.3	323.4	6,300	200
205				15.6	245.7	19,800*	24.9	271.7	17,900	35.4	296.6	13,700	43.5	311.1	9,700	50.3	319.3	5,700	205
210				7.2	219.9	17,500*	20.7	259.6	17,000	32.5	289.1	13,000	41.1	305.6	9,100	48.2	314.9	5,200	210
215							15.5	243.9	16,200	29.4	280.6	12,300	38.6	299.5	8,500	46.0	310.2	4,700	215
220							7.0	217.9	15,300	25.9	270.9	11,600	35.9	292.8	7,900	43.7	305.1	4,200	220
225										21.9	259.4	11,000	33.1	285.4	7,300				225
230										17.1	244.9	10,300	30.0	277.2	6,800				230
235										10.1	223.6	9,700	26.6	267.7	6,300				235
240													22.8	256.6	5,800				240
245													18.1	242.9	5,300				245
250													11.7	223.6	4,800				250

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

190 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.0	383.3	51,200*													65
70	73.4	381.8	50,100*													70
75	71.8	380.2	48,900*													75
80	70.2	378.5	47,700*													80
85	68.6	376.5	46,400*													85
90	67.0	374.5	45,000*													90
95	65.3	372.2	43,500*	70.8	377.7	53,100*										95
100	63.7	369.8	42,000*	69.2	375.8	52,600*										100
105	62.0	367.2	40,500*	67.6	373.8	51,900*										105
110	60.2	364.4	39,000*	65.9	371.6	51,200*										110
115	58.5	361.4	37,400*	64.2	369.2	50,300*	67.5	372.2	45,600							115
120	56.7	358.1	35,800*	62.5	366.7	47,400	65.9	370.0	42,800							120
125	54.8	354.7	34,300*	60.8	363.9	44,700	64.2	367.6	40,300							125
130	53.0	351.0	32,800*	59.1	361.0	42,200	62.5	365.1	38,000							130
135	51.0	347.0	31,300*	57.3	357.8	39,800	60.8	362.3	35,800							135
140	49.1	342.8	29,900*	55.5	354.5	37,700	59.1	359.4	33,900							140
145	47.0	338.2	28,500*	53.6	350.9	35,700	57.3	356.2	32,000	63.0	362.0	25,900				145
150	44.9	333.3	27,100*	51.7	347.0	33,900	55.5	352.9	30,300	61.3	359.4	24,400				150
155	42.7	328.0	25,900*	49.8	342.8	32,200	53.6	349.3	28,800	59.5	356.5	23,100				155
160	40.4	322.3	24,600*	47.7	338.4	30,600	51.7	345.4	27,300	57.8	353.4	21,800				160
165	38.0	316.1	23,400*	45.6	333.6	29,100	49.7	341.2	25,900	56.0	350.1	20,600				165
170	35.5	309.3	22,300*	43.5	328.5	27,700	47.7	336.8	24,600	54.1	346.5	19,400				170
175	32.8	301.8	21,300*	41.2	322.9	26,400	45.6	332.0	23,400	52.2	342.7	18,400				175
180	29.8	293.5	20,300*	38.9	316.9	25,200	43.5	326.9	22,200	50.3	338.6	17,400	56.3	345.6	12,600	180
185	26.6	284.0	19,300*	36.4	310.3	23,900*	41.2	321.3	21,200	48.3	334.3	16,500	54.5	342.1	11,800	185
190	23.0	273.0	18,400*	33.7	303.1	22,700*	38.8	315.3	20,100	46.2	329.6	15,600	52.6	338.3	11,100	190
195	18.6	259.6	17,600*	30.9	295.0	21,500*	36.3	308.7	19,200	44.1	324.5	14,700	50.6	334.3	10,400	195
200	12.9	241.4	16,200*	27.8	286.0	20,400*	33.7	301.4	18,200	41.8	319.1	13,900	48.7	330.0	9,700	200
205				24.3	275.6	19,400*	30.8	293.4	17,300	39.5	313.2	13,200	46.6	325.4	9,000	205
210				20.2	263.1	18,400*	27.7	284.3	16,500	37.0	306.8	12,400	44.5	320.4	8,400	210
215				15.1	247.0	17,400*	24.2	273.9	15,700	34.4	299.7	11,700	42.3	315.0	7,800	215
220				7.0	220.5	15,300*	20.2	261.4	14,900	31.6	291.9	11,100	39.9	309.2	7,300	220
225							15.1	245.2	14,200	28.6	283.1	10,400	37.5	302.9	6,700	225
230							6.8	218.4	13,400	25.2	273.1	9,800	34.9	296.0	6,200	230
235										21.3	261.3	9,200	32.2	288.3	5,700	235
240										16.6	246.4	8,700	29.2	279.8	5,200	240
245										9.8	224.4	8,100	25.9	270.0	4,800	245
250													22.1	258.6	4,300	250

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M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

190 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.8	393.6	47,400*													65
70	74.3	392.3	46,400*													70
75	72.8	390.7	45,500*													75
80	71.3	389.1	44,400*													80
85	69.7	387.3	43,400*													85
90	68.2	385.3	42,200*													90
95	66.6	383.2	41,000*													95
100	65.1	380.9	39,700*	70.3	386.5	48,500*										100
105	63.5	378.5	38,400*	68.7	384.6	48,000*										105
110	61.9	375.8	37,100*	67.2	382.5	47,400*										110
115	60.2	373.0	35,800*	65.6	380.3	46,800*										115
120	58.5	370.0	34,400*	64.0	377.9	46,000*	67.2	380.9	42,100							120
125	56.8	366.8	33,000*	62.4	375.3	44,000	65.6	378.7	39,600							125
130	55.1	363.4	31,700*	60.8	372.6	41,500	64.0	376.3	37,300							130
135	53.3	359.8	30,300*	59.1	369.7	39,200	62.4	373.7	35,100							135
140	51.5	355.9	29,000*	57.4	366.5	37,100	60.8	371.0	33,200							140
145	49.7	351.7	27,800*	55.7	363.2	35,100	59.1	368.1	31,400							145
150	47.7	347.2	26,500*	53.9	359.6	33,300	57.4	364.9	29,700	62.8	370.7	23,700				150
155	45.8	342.5	25,300*	52.1	355.8	31,600	55.7	361.6	28,100	61.2	368.0	22,300				155
160	43.7	337.4	24,200*	50.3	351.7	30,000	53.9	358.0	26,600	59.6	365.1	21,000				160
165	41.6	331.9	23,100*	48.4	347.4	28,500	52.1	354.2	25,200	57.9	362.0	19,800				165
170	39.4	325.9	22,000*	46.4	342.7	27,100	50.3	350.1	24,000	56.2	358.8	18,700				170
175	37.0	319.5	21,000*	44.4	337.7	25,800	48.4	345.8	22,700	54.4	355.2	17,700				175
180	34.6	312.5	20,000*	42.3	332.4	24,600	46.4	341.1	21,600	52.6	351.5	16,700				180
185	31.9	304.7	19,100*	40.1	326.6	23,400*	44.4	336.1	20,500	50.8	347.5	15,700	56.5	354.2	11,100	185
190	29.1	296.1	18,200*	37.8	320.3	22,100*	42.3	330.7	19,500	48.9	343.2	14,900	54.7	350.8	10,300	190
195	25.9	286.3	17,400*	35.4	313.5	20,900*	40.1	325.0	18,500	47.0	338.6	14,000	53.0	347.1	9,600	195
200	22.4	275.0	16,600*	32.8	306.0	19,800*	37.8	318.7	17,600	45.0	333.7	13,200	51.1	343.1	8,900	200
205	18.1	261.1	15,700*	30.1	297.7	18,800*	35.4	311.9	16,700	42.9	328.5	12,500	49.3	338.9	8,300	205
210	12.6	242.5	14,000*	27.0	288.4	17,800*	32.8	304.4	15,900	40.7	322.8	11,800	47.3	334.4	7,700	210
215				23.6	277.6	16,900*	30.0	296.1	15,100	38.4	316.7	11,100	45.3	329.6	7,100	215
220				19.7	264.8	16,000*	27.0	286.7	14,300	36.1	310.0	10,400	43.3	324.4	6,500	220
225				14.7	248.3	15,200*	23.6	276.0	13,600	33.5	302.7	9,800	41.1	318.8	6,000	225
230				6.8	221.0	13,300*	19.6	263.1	12,900	30.8	294.7	9,200	38.9	312.7	5,500	230
235							14.7	246.5	12,200	27.8	285.6	8,600	36.5	306.2	5,000	235
240							6.7	219.0	11,500	24.6	275.3	8,000	34.0	299.0	4,500	240
245										20.8	263.1	7,500	31.3	291.1	4,100	245
250										16.2	247.8	7,000				250
255										9.5	225.2	6,400				255

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

200 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	65.6	273.3	116,800*b																			45
50	61.0	270.7	111,100*b																			50
55	56.1	267.5	105,700*b																			55
60	50.9	263.6	100,800*b																			60
65	45.4	259.0	96,400*	63.4	270.6	108,200*b																65
70	39.1	253.3	92,300*	58.6	267.7	102,600*b																70
75	31.9	246.0	84,400*	53.7	264.2	97,400*b	63.8	269.2	90,800b													75
80	22.6	235.8	77,000*	48.3	260.0	90,100	59.1	266.3	83,500b													80
85				42.4	254.9	83,300	54.1	262.9	77,200b													85
90				35.8	248.5	77,300	48.8	258.8	71,600													90
95				27.8	240.1	72,000	43.0	253.8	66,700	61.2	263.7	57,800b										95
100				16.4	227.1	67,200	36.5	247.5	62,400	56.3	260.6	54,000b										100
105							28.6	239.3	58,400	51.2	256.8	50,600b										105
110							17.7	227.0	54,800	45.6	252.2	47,500										110
115										39.5	246.5	44,700										115
120										32.3	239.3	42,200	53.1	252.8	35,500b							120
125										23.2	229.4	39,800	47.7	248.5	33,500							125
130										4.8	207.5	37,300	41.8	243.3	31,700							130
135													35.0	236.7	29,900							135
140													26.8	228.0	28,300	49.1	242.8	22,900				140
145													14.6	214.0	26,700	43.3	237.8	21,700				145
150																36.8	231.6	20,500				150
155																29.1	223.6	19,400				155
160																18.4	211.6	18,200	44.0	230.2	13,900	160
165																			37.6	224.2	13,000	165
170																			30.1	216.5	12,200	170
175																			20.0	205.2	11,500	175

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

200 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	68.8	284.2	112,700*b																			45
50	64.9	282.0	107,300*b																			50
55	60.8	279.3	102,300*b																			55
60	56.6	276.2	97,700*b																			60
65	52.1	272.5	93,400*	66.9	281.7	104,500*b																65
70	47.4	268.1	89,300*	63.0	279.2	99,400*b																70
75	42.2	262.9	83,200*	58.8	276.4	94,500*b	67.3	280.3	90,000b													75
80	36.5	256.6	77,300*	54.5	272.9	89,500	63.3	277.9	82,700b													80
85	29.7	248.6	70,900*	49.9	268.9	82,700	59.2	275.0	76,400b													85
90	21.1	237.7	65,400*	45.0	264.2	76,800	54.9	271.7	70,900													90
95				39.5	258.5	71,600	50.3	267.7	66,100													95
100				33.4	251.5	66,900	45.4	263.0	61,800	61.0	272.4	53,200b										100
105				25.9	242.4	62,700	40.1	257.4	57,900	56.8	269.3	49,800										105
110				15.2	228.4	58,800	34.0	250.6	54,400	52.4	265.6	46,800										110
115							26.7	241.7	51,200	47.6	261.3	44,000										115
120							16.5	228.5	48,200	42.5	256.1	41,500										120
125										36.8	249.9	39,200	54.0	261.6	32,700							125
130										30.1	242.0	37,000	49.4	257.5	30,900							130
135										21.6	231.2	35,000	44.4	252.6	29,200							135
140										4.4	207.8	33,000	38.9	246.8	27,600							140
145													32.6	239.6	26,100	50.6	251.7	20,800				145
150													25.0	230.2	24,700	45.7	247.1	19,700				150
155													13.6	215.1	23,400	40.3	241.5	18,600				155
160																34.3	234.8	17,600				160
165																27.1	226.0	16,600				165
170																17.2	213.1	15,600	46.3	239.4	12,200	170
175																			41.0	234.0	11,400	175
180																			35.1	227.4	10,700	180
185																			28.0	219.0	10,000	185
																			18.6	206.8	9,300	185

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

200 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	71.3	294.9	108,600*																			45
50	67.9	293.0	103,700*																			50
55	64.4	290.7	99,100*																			55
60	60.7	288.0	94,700*																			60
65	57.0	284.9	90,600*	69.6	292.5	100,900*																65
70	53.1	281.3	85,800*	66.2	290.4	96,200*																70
75	48.9	277.1	80,200*	62.6	287.9	91,700*																75
80	44.5	272.2	74,900*	58.9	285.0	87,500*	66.5	289.0	82,100b													80
85	39.7	266.5	69,800*	55.1	281.7	82,200	63.0	286.5	75,800b													85
90	34.3	259.7	65,100*	51.1	277.8	76,300	59.3	283.7	70,300													90
95	27.9	251.1	60,700*	46.8	273.3	71,100	55.5	280.4	65,500													95
100	19.8	239.4	56,400*	42.2	268.1	66,500	51.5	276.6	61,200													100
105				37.1	261.9	62,400	47.2	272.1	57,400	60.9	281.0	49,100										105
110				31.4	254.3	58,600	42.7	267.0	53,900	57.2	278.0	46,100										110
115				24.3	244.5	55,200	37.6	260.9	50,800	53.3	274.4	43,400										115
120				14.3	229.6	52,000	31.9	253.5	47,900	49.1	270.2	40,900										120
125							25.1	243.9	45,300	44.7	265.4	38,600										125
130							15.5	229.8	42,800	39.9	259.8	36,500	54.7	270.3	30,200							130
135										34.5	253.0	34,600	50.6	266.4	28,500							135
140										28.3	244.5	32,800	46.3	261.8	27,000							140
145										20.3	233.0	31,000	41.7	256.5	25,600							145
150										4.1	208.1	29,300	36.5	250.2	24,200	51.7	260.6	19,000				150
155													30.7	242.4	23,000	47.4	256.2	17,900				155
160													23.5	232.2	21,800	42.9	251.1	16,900				160
165													12.7	216.2	20,600	37.9	245.0	16,000				165
170																32.2	237.7	15,100	48.0	248.5	10,700	170
175																25.5	228.3	14,300	43.5	243.5	10,100	175
180																16.1	214.5	13,400	38.5	237.5	9,400	180
185																			33.0	230.4	8,800	185
190																			26.4	221.3	8,200	190
195																			17.5	208.3	7,600	195

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

200 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	73.2	305.5	104,500*																			45
50	70.2	303.7	100,000*																			50
55	67.1	301.7	95,700*																			55
60	63.9	299.3	91,600*																			60
65	60.7	296.6	87,100*																			65
70	57.3	293.5	82,100*	68.7	301.3	92,800*																70
75	53.8	290.0	77,100*	65.6	299.1	88,700*																75
80	50.1	286.0	72,300*	62.4	296.6	84,800*																80
85	46.2	281.4	67,700*	59.1	293.7	81,100*	65.9	297.7	75,000													85
90	42.1	276.1	63,200*	55.6	290.4	75,700	62.7	295.2	69,600													90
95	37.5	270.0	59,100*	52.0	286.6	70,500	59.4	292.3	64,800													95
100	32.4	262.6	55,200*	48.3	282.4	65,900	55.9	289.1	60,500													100
105	26.4	253.5	51,700*	44.3	277.4	61,800	52.4	285.4	56,700													105
110	18.7	241.0	48,500*	39.9	271.8	58,100	48.6	281.1	53,300	60.8	289.7	45,300										110
115				35.1	265.1	54,700	44.6	276.3	50,200	57.5	286.6	42,600										115
120				29.7	257.0	51,600	40.3	270.7	47,300	54.0	283.1	40,100										120
125				23.0	246.5	48,800	35.6	264.1	44,700	50.3	279.1	37,900										125
130				13.5	230.7	46,100	30.2	256.2	42,300	46.4	274.6	35,800										130
135							23.7	246.0	40,100	42.3	269.3	33,900	55.2	279.0	27,700							135
140							14.7	231.0	38,000	37.7	263.2	32,100	51.6	275.2	26,100							140
145										32.7	255.9	30,400	47.8	270.9	24,700							145
150										26.8	246.9	28,900	43.8	265.9	23,400							150
155										19.2	234.7	27,400	39.4	260.1	22,200	52.6	269.4	17,000				155
160										3.8	208.4	25,900	34.6	253.3	21,100	48.8	265.2	16,100				160
165													29.0	245.0	20,000	44.8	260.3	15,200				165
170													22.2	234.2	18,900	40.6	254.8	14,300				170
175													12.0	217.2	17,900	35.8	248.3	13,500				175
180																30.5	240.4	12,700	45.3	252.7	8,500	180
185																24.1	230.4	12,000	41.1	247.2	7,900	185
190																15.3	215.8	11,200	36.4	240.8	7,400	190
195																			31.2	233.2	6,800	195
200																			24.9	223.5	6,300	200
205																			16.6	209.8	5,700	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

200 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.8	315.9	98,200*																			45
50	72.1	314.3	94,800*																			50
55	69.3	312.5	91,000*																			55
60	66.5	310.4	87,000*																			60
65	63.6	308.0	82,800*																			65
70	60.6	305.3	78,400*	70.7	312.0	89,500*																70
75	57.6	302.2	74,000*	67.9	310.0	85,800*																75
80	54.4	298.8	69,700*	65.1	307.8	82,200*																80
85	51.1	294.9	65,500*	62.2	305.2	78,700*																85
90	47.6	290.5	61,400*	59.1	302.4	75,000	65.3	306.4	68,900													90
95	43.9	285.5	57,600*	56.0	299.1	69,900	62.4	303.9	64,100													95
100	40.0	279.8	53,900*	52.8	295.4	65,300	59.4	301.0	59,900													100
105	35.7	273.2	50,500*	49.4	291.3	61,200	56.3	297.8	56,100													105
110	30.8	265.4	47,400*	45.9	286.6	57,500	53.1	294.1	52,600													110
115	25.2	255.7	44,500*	42.1	281.3	54,200	49.7	290.1	49,500	60.8	298.4	41,800										115
120	17.8	242.5	41,900*	38.0	275.2	51,100	46.2	285.5	46,700	57.7	295.3	39,400										120
125				33.4	268.1	48,300	42.4	280.2	44,100	54.5	291.9	37,200										125
130				28.2	259.5	45,800	38.4	274.2	41,800	51.2	288.0	35,100										130
135				21.9	248.5	43,400	33.9	267.2	39,600	47.8	283.6	33,200										135
140				12.9	231.8	41,100	28.7	258.7	37,600	44.1	278.7	31,500	55.7	287.7	25,400							140
145							22.6	248.0	35,600	40.2	273.0	29,800	52.4	284.0	24,000							145
150							14.0	232.2	33,800	35.9	266.5	28,300	49.0	279.8	22,700							150
155										31.1	258.7	26,900	45.5	275.1	21,500							155
160										25.5	249.2	25,500	41.6	269.7	20,400							160
165										18.3	236.3	24,200	37.5	263.5	19,300	49.9	274.1	14,400				165
170										3.6	208.6	22,900	32.9	256.2	18,300	46.4	269.5	13,600				170
175													27.6	247.4	17,400	42.6	264.3	12,800				175
180													21.1	236.0	16,400	38.6	258.3	12,100				180
185													11.4	218.1	15,500	34.1	251.3	11,300	46.8	261.8	7,200	185
190																29.0	243.0	10,700	43.1	256.7	6,600	190
195																22.9	232.4	10,000	39.1	250.8	6,100	195
200																14.5	217.0	9,300	34.7	244.0	5,600	200
205																			29.7	235.8	5,100	205
210																			23.7	225.6	4,700	210
215																			15.8	211.1	4,200	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

200 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	73.6	324.8	88,100*																			50
55	71.1	323.2	85,100*																			55
60	68.5	321.3	81,800*																			60
65	65.9	319.1	78,300*																			65
70	63.3	316.7	74,600*																			70
75	60.6	314.0	70,800*	69.9	320.8	83,400*																75
80	57.8	310.9	67,000*	67.3	318.8	80,100*																80
85	54.9	307.5	63,200*	64.7	316.5	76,800*																85
90	51.9	303.7	59,500*	62.0	313.9	73,700*	67.5	317.3	68,100													90
95	48.7	299.4	56,000*	59.2	311.0	69,200	64.9	315.1	63,300													95
100	45.4	294.7	52,700*	56.4	307.8	64,700	62.2	312.5	59,100													100
105	42.0	289.3	49,500*	53.4	304.2	60,600	59.5	309.7	55,300													105
110	38.2	283.3	46,400*	50.4	300.2	56,900	56.6	306.5	51,900													110
115	34.1	276.3	43,600*	47.2	295.7	53,600	53.7	302.9	48,800													115
120	29.5	268.0	41,000*	43.8	290.7	50,600	50.7	298.9	46,000	60.7	307.0	38,600										120
125	24.1	257.8	38,600*	40.2	285.0	47,800	47.5	294.5	43,500	57.9	304.0	36,300										125
130	17.0	244.0	36,500*	36.3	278.5	45,200	44.1	289.5	41,100	55.0	300.6	34,300										130
135				31.9	271.0	42,900	40.5	283.9	39,000	52.0	296.8	32,400										135
140				27.0	261.9	40,700	36.6	277.5	37,000	48.9	292.6	30,700										140
145				21.0	250.3	38,700	32.4	270.1	35,100	45.6	287.9	29,100	56.1	296.4	23,200							145
150				12.3	232.8	36,700	27.5	261.2	33,300	42.1	282.6	27,600	53.1	292.8	21,900							150
155							21.6	249.9	31,700	38.4	276.5	26,200	50.0	288.7	20,700							155
160							13.3	233.4	30,100	34.3	269.6	24,900	46.8	284.2	19,600							160
165										29.7	261.4	23,600	43.4	279.1	18,500							165
170										24.3	251.3	22,500	39.8	273.4	17,600	50.8	282.9	12,700				170
175										17.4	237.8	21,300	35.8	266.8	16,600	47.6	278.5	11,900				175
180										3.4	208.8	20,100	31.4	259.1	15,700	44.3	273.6	11,200				180
185													26.4	249.8	14,900	40.7	268.0	10,500				185
190													20.2	237.8	14,100	36.8	261.7	9,900	48.0	270.8	5,700	190
195													10.9	219.1	13,200	32.6	254.3	9,200	44.7	266.0	5,200	195
200																27.7	245.4	8,600	41.1	260.5	4,800	200
205																21.9	234.3	8,000	37.3	254.2	4,300	205
210																13.9	218.2	7,400				210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

200 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.9	335.3	82,000*																50
55	72.6	333.7	79,600*																55
60	70.3	332.0	76,800*																60
65	67.9	330.0	73,900*																65
70	65.5	327.8	70,700*																70
75	63.0	325.4	67,500*																75
80	60.5	322.6	64,200*	69.1	329.6	77,300*													80
85	57.9	319.6	60,900*	66.7	327.5	74,400*													85
90	55.3	316.2	57,600*	64.3	325.2	71,600*													90
95	52.5	312.5	54,400*	61.8	322.6	68,800*	67.0	326.1	62,900										95
100	49.7	308.4	51,300*	59.3	319.7	64,300	64.5	323.8	58,700										100
105	46.7	303.8	48,300*	56.7	316.5	60,200	62.1	321.2	55,000										105
110	43.6	298.7	45,500*	54.0	312.9	56,600	59.5	318.3	51,600										110
115	40.2	293.0	42,800*	51.2	309.0	53,300	56.9	315.2	48,500										115
120	36.6	286.6	40,300*	48.2	304.7	50,300	54.2	311.7	45,700										120
125	32.7	279.2	38,000*	45.2	299.9	47,500	51.4	307.8	43,200	60.6	315.7	36,000							125
130	28.3	270.5	35,800*	42.0	294.5	45,000	48.5	303.5	40,800	58.1	312.7	33,900							130
135	23.1	259.8	33,800*	38.5	288.5	42,600	45.5	298.7	38,700	55.4	309.3	32,100							135
140	16.3	245.4	32,100*	34.8	281.7	40,500	42.3	293.4	36,700	52.7	305.6	30,400							140
145				30.6	273.7	38,500	38.8	287.5	34,800	49.8	301.5	28,800							145
150				25.9	264.2	36,600	35.1	280.7	33,100	46.8	297.0	27,300	56.4	305.1	21,500				150
155				20.1	252.0	34,800	31.0	272.8	31,500	43.7	291.9	25,900	53.7	301.6	20,300				155
160				11.8	233.8	33,200	26.3	263.5	30,000	40.4	286.3	24,600	50.9	297.6	19,200				160
165							20.7	251.7	28,600	36.8	279.9	23,400	47.9	293.2	18,200				165
170							12.8	234.4	27,200	32.9	272.5	22,200	44.9	288.4	17,200				170
175										28.5	263.9	21,100	41.6	282.9	16,300	51.6	291.8	11,600	175
180										23.3	253.4	20,100	38.1	276.8	15,400	48.7	287.5	10,900	180
185										16.7	239.2	19,100	34.3	269.9	14,600	45.6	282.8	10,200	185
190										3.2	209.1	18,000	30.1	261.8	13,800	42.4	277.5	9,500	190
195													25.3	252.0	13,100	39.0	271.6	8,900	195
200													19.4	239.5	12,300	35.3	264.8	8,300	200
205													10.5	219.9	11,600	31.2	257.1	7,800	205
210																26.6	247.8	7,200	210
215																21.0	236.2	6,700	215
220																13.3	219.4	6,200	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

200 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	76.0	345.6	76,000*																50
55	73.9	344.2	74,000*																55
60	71.7	342.6	71,800*																60
65	69.6	340.8	69,400*																65
70	67.3	338.8	66,700*																70
75	65.1	336.5	64,000*																75
80	62.8	334.0	61,200*	70.7	340.3	74,300*													80
85	60.5	331.3	58,300*	68.5	338.4	71,600*													85
90	58.1	328.2	55,400*	66.3	336.2	69,000*													90
95	55.6	324.9	52,500*	64.0	333.9	66,500*													95
100	53.1	321.3	49,700*	61.7	331.2	63,700	66.5	334.8	58,000										100
105	50.5	317.2	47,000*	59.3	328.3	59,600	64.2	332.4	54,200										105
110	47.7	312.8	44,400*	56.9	325.2	55,900	61.9	329.8	50,800										110
115	44.9	308.0	41,900*	54.4	321.7	52,600	59.5	327.0	47,800										115
120	41.9	302.6	39,500*	51.8	317.9	49,600	57.1	323.8	45,000										120
125	38.7	296.6	37,300*	49.2	313.7	46,900	54.6	320.4	42,500	62.9	327.1	35,200							125
130	35.2	289.8	35,200*	46.4	309.0	44,400	52.1	316.6	40,100	60.6	324.3	33,100							130
135	31.4	282.0	33,200*	43.4	303.9	42,100	49.4	312.4	38,000	58.2	321.3	31,300							135
140	27.2	272.9	31,400*	40.4	298.2	39,900	46.6	307.8	36,000	55.7	318.0	29,600							140
145	22.2	261.8	29,800*	37.0	291.9	37,900	43.7	302.8	34,200	53.2	314.4	28,000							145
150	15.7	246.8	28,300*	33.4	284.7	36,100	40.6	297.2	32,500	50.6	310.4	26,500							150
155				29.5	276.3	34,300	37.4	290.9	30,900	47.9	306.0	25,200	56.6	313.8	19,500				155
160				24.9	266.4	32,700	33.8	283.7	29,400	45.0	301.1	23,900	54.1	310.3	18,400				160
165				19.3	253.7	31,200	29.9	275.5	28,000	42.0	295.8	22,700	51.5	306.4	17,400				165
170				11.3	234.8	29,700	25.4	265.7	26,700	38.8	289.8	21,500	48.9	302.2	16,400				170
175							19.9	253.4	25,400	35.4	283.1	20,500	46.1	297.5	15,500				175
180							12.3	235.5	24,200	31.6	275.4	19,400	43.1	292.4	14,700	52.2	300.6	10,000	180
185										27.4	266.3	18,500	40.0	286.6	13,900	49.5	296.4	9,300	185
190										22.5	255.3	17,600	36.7	280.2	13,100	46.8	291.9	8,700	190
195										16.1	240.6	16,700	33.0	272.8	12,400	43.9	286.8	8,100	195
200										3.1	209.3	15,700	29.0	264.3	11,700	40.8	281.2	7,500	200
205													24.4	254.2	11,000	37.5	275.0	7,000	205
210													18.6	241.1	10,300	34.0	267.9	6,500	210
215													10.1	220.8	9,700	30.1	259.8	6,000	215
220																25.6	250.1	5,500	220
225																20.2	237.9	5,000	225
230																12.8	220.5	4,500	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

200 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.0	354.6	68,900*																55
60	73.0	353.1	67,100*																60
65	71.0	351.5	65,100*																65
70	68.9	349.6	62,900*																70
75	66.9	347.5	60,500*																75
80	64.8	345.2	58,100*																80
85	62.6	342.7	55,600*	70.0	349.1	69,000*													85
90	60.4	339.9	53,100*	67.9	347.1	66,700*													90
95	58.2	336.9	50,600*	65.9	344.9	64,300*													95
100	55.9	333.6	48,100*	63.7	342.5	62,000*													100
105	53.6	330.0	45,600*	61.6	339.9	59,000	66.1	343.5	53,500										105
110	51.1	326.1	43,200*	59.4	337.0	55,300	63.9	341.1	50,200										110
115	48.6	321.8	40,900*	57.1	333.8	52,000	61.8	338.5	47,100										115
120	46.0	317.1	38,700*	54.8	330.4	49,000	59.6	335.6	44,300										120
125	43.3	312.0	36,600*	52.4	326.7	46,300	57.3	332.5	41,800										125
130	40.4	306.3	34,600*	49.9	322.6	43,800	55.0	329.1	39,500	62.7	335.8	32,400							130
135	37.3	299.9	32,800*	47.4	318.1	41,500	52.6	325.4	37,400	60.6	333.0	30,600							135
140	34.0	292.8	31,000*	44.7	313.2	39,300	50.2	321.3	35,400	58.3	330.0	28,900							140
145	30.3	284.7	29,300*	41.9	307.8	37,400	47.6	316.9	33,600	56.0	326.7	27,300							145
150	26.2	275.3	27,800*	38.9	301.8	35,500	45.0	312.0	31,900	53.7	323.1	25,800							150
155	21.4	263.7	26,400*	35.7	295.1	33,800	42.2	306.7	30,300	51.3	319.2	24,500							155
160	15.2	248.1	25,100*	32.3	287.6	32,200	39.2	300.7	28,800	48.8	314.9	23,200	56.9	322.5	17,700				160
165				28.4	278.9	30,700	36.0	294.1	27,400	46.1	310.3	22,000	54.5	319.0	16,700				165
170				24.0	268.5	29,300	32.6	286.7	26,100	43.4	305.2	20,900	52.1	315.2	15,700				170
175				18.7	255.4	27,900	28.8	278.1	24,900	40.5	299.5	19,800	49.7	311.1	14,800				175
180				10.9	235.7	26,400*	24.5	267.9	23,700	37.5	293.2	18,800	47.1	306.6	14,000				180
185							19.2	255.1	22,600	34.1	286.1	17,900	44.4	301.6	13,200	52.8	309.4	8,600	185
190							11.9	236.5	21,500	30.5	278.1	17,000	41.6	296.2	12,400	50.3	305.3	8,000	190
195										26.5	268.7	16,100	38.6	290.1	11,700	47.7	300.9	7,400	195
200										21.7	257.2	15,300	35.4	283.4	11,000	45.1	296.1	6,800	200
205										15.5	241.9	14,500	31.9	275.7	10,400	42.3	290.7	6,300	205
210										3.0	209.5	13,600	28.0	266.8	9,700	39.3	284.8	5,800	210
215													23.5	256.2	9,100	36.2	278.3	5,300	215
220													18.0	242.7	8,500	32.8	270.9	4,800	220
225													9.7	221.6	7,900	29.0	262.3	4,400	225

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

200 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.9	365.0	63,900*																55
60	74.1	363.6	62,400*																60
65	72.2	362.0	60,800*																65
70	70.3	360.3	59,000*																70
75	68.4	358.4	57,000*																75
80	66.5	356.2	55,000*																80
85	64.5	353.9	52,800*																85
90	62.5	351.4	50,700*	69.4	357.9	64,000*													90
95	60.4	348.6	48,500*	67.5	355.9	61,900*													95
100	58.3	345.6	46,300*	65.5	353.6	59,900*													100
105	56.2	342.3	44,100*	63.5	351.2	57,800*	67.6	354.4	52,800										105
110	54.0	338.8	41,900*	61.5	348.6	54,700	65.7	352.2	49,400										110
115	51.7	334.9	39,800*	59.4	345.7	51,400	63.7	349.8	46,400										115
120	49.4	330.7	37,800*	57.3	342.5	48,400	61.7	347.2	43,600										120
125	47.0	326.2	35,800*	55.1	339.1	45,700	59.6	344.3	41,100										125
130	44.5	321.2	34,000*	52.9	335.4	43,200	57.5	341.2	38,800										130
135	41.8	315.8	32,200*	50.6	331.4	40,900	55.3	337.8	36,700	62.6	344.4	29,800							135
140	39.0	309.8	30,500*	48.2	327.1	38,700	53.1	334.1	34,700	60.5	341.7	28,100							140
145	36.1	303.2	28,900*	45.8	322.3	36,800	50.8	330.2	32,900	58.4	338.7	26,500							145
150	32.9	295.8	27,400*	43.2	317.2	34,900	48.5	325.9	31,200	56.3	335.4	25,100							150
155	29.3	287.4	26,000*	40.5	311.5	33,200	46.0	321.2	29,600	54.1	331.9	23,700							155
160	25.4	277.5	24,700*	37.6	305.2	31,600	43.4	316.0	28,200	51.8	328.0	22,400							160
165	20.7	265.5	23,500*	34.5	298.2	30,100	40.7	310.4	26,800	49.5	323.9	21,300	57.1	331.2	15,800				165
170	14.7	249.4	22,400*	31.2	290.4	28,700	37.9	304.2	25,500	47.1	319.3	20,200	54.9	327.8	14,900				170
175				27.5	281.3	27,400	34.8	297.3	24,300	44.6	314.4	19,100	52.7	324.0	14,000				175
180				23.2	270.5	26,100	31.5	289.5	23,100	41.9	309.0	18,100	50.4	320.0	13,200				180
185				18.0	256.9	24,900	27.9	280.6	22,000	39.2	303.1	17,200	48.0	315.6	12,400				185
190				10.6	236.6	23,400*	23.7	270.0	21,000	36.2	296.5	16,300	45.5	310.8	11,700				190
195							18.6	256.7	20,000	33.0	289.1	15,500	42.9	305.6	11,000	50.9	314.2	6,500	195
200							11.5	237.5	19,000	29.5	280.7	14,700	40.2	299.8	10,300	48.6	309.9	6,000	200
205										25.6	271.0	13,900	37.3	293.5	9,600	46.1	305.2	5,500	205
210										21.0	259.1	13,100	34.2	286.4	9,000	43.6	300.1	5,000	210
215										15.0	243.2	12,400	30.8	278.5	8,400	40.9	294.5	4,500	215
220										2.9	209.7	11,600	27.1	269.2	7,900	38.0	288.3	4,000	220
225													22.7	258.2	7,300				225
230													17.4	244.2	6,800				230
235													9.4	222.4	6,200				235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
THE SCOPE OF ANSI B30.5

M-250 SERIES 2

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

200 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.0	374.0	58,000*																60
65	73.3	372.5	56,600*																65
70	71.5	370.9	55,100*																70
75	69.7	369.1	53,500*																75
80	67.9	367.1	51,800*																80
85	66.1	365.0	50,100*																85
90	64.2	362.6	48,200*	70.7	368.6	60,000*													90
95	62.3	360.0	46,300*	68.9	366.7	59,300*													95
100	60.4	357.3	44,400*	67.0	364.6	58,400*													100
105	58.4	354.2	42,500*	65.2	362.3	56,600*													105
110	56.4	351.0	40,600*	63.3	359.9	54,300	67.2	363.2	49,000										110
115	54.4	347.5	38,700*	61.4	357.2	51,000	65.4	360.9	46,000										115
120	52.2	343.7	36,800*	59.4	354.3	48,000	63.5	358.5	43,200										120
125	50.1	339.6	35,000*	57.5	351.2	45,300	61.6	355.8	40,700										125
130	47.8	335.2	33,300*	55.4	347.8	42,800	59.6	353.0	38,400										130
135	45.5	330.4	31,600*	53.3	344.2	40,500	57.6	349.9	36,300										135
140	43.1	325.2	30,000*	51.2	340.3	38,400	55.6	346.5	34,300	62.4	353.1	27,700							140
145	40.5	319.5	28,500*	49.0	336.0	36,400	53.5	342.9	32,500	60.5	350.3	26,100							145
150	37.8	313.3	27,100*	46.7	331.4	34,600	51.4	339.0	30,800	58.5	347.3	24,700							150
155	34.9	306.4	25,700*	44.3	326.4	32,900	49.2	334.8	29,300	56.5	344.1	23,300							155
160	31.8	298.7	24,400*	41.8	321.0	31,300	46.9	330.2	27,800	54.5	340.6	22,100							160
165	28.4	289.9	23,200*	39.2	315.1	29,800	44.5	325.3	26,400	52.3	336.8	20,900							165
170	24.6	279.7	22,100*	36.4	308.5	28,400	42.1	319.9	25,200	50.2	332.8	19,800	57.2	339.9	14,500				170
175	20.1	267.2	21,100*	33.5	301.3	27,100	39.5	314.0	23,900	47.9	328.3	18,700	55.2	336.5	13,600				175
180	14.2	250.6	20,200*	30.2	293.1	25,800	36.7	307.5	22,800	45.6	323.6	17,800	53.1	332.8	12,800				180
185				26.6	283.7	24,700	33.8	300.3	21,700	43.2	318.4	16,800	51.0	328.8	12,000				185
190				22.5	272.5	23,500	30.5	292.2	20,700	40.6	312.7	15,900	48.7	324.5	11,300				190
195				17.5	258.4	22,500	27.0	283.0	19,700	37.9	306.5	15,100	46.4	319.9	10,600				195
200				10.2	237.5	21,000*	22.9	272.0	18,800	35.1	299.7	14,300	44.1	314.9	9,900	51.5	323.0	5,600	200
205							18.0	258.3	17,900	32.0	292.0	13,600	41.6	309.4	9,300	49.3	318.8	5,100	205
210							11.1	238.4	17,000	28.6	283.3	12,800	38.9	303.4	8,700	47.0	314.3	4,600	210
215										24.8	273.1	12,200	36.1	296.8	8,100	44.7	309.3	4,100	215
220										20.3	260.8	11,500	33.1	289.4	7,500				220
225										14.6	244.5	10,800	29.9	281.1	7,000				225
230										2.8	209.9	10,100	26.2	271.6	6,500				230
235													22.0	260.2	6,000				235
240													16.9	245.6	5,500				240
245													9.1	223.2	5,000				245