

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.

190' AND 200' BOOM LENGTHS REQUIRE ONLY THE MIDDLE 3 SHEAVES TO BE USED ON LOWER BOOM POINT. ALL OTHER SHEAVES MUST BE REMOVED FROM LOWER BOOM POINT.

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM AND 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, AND 167,000 LB. COUNTERWEIGHT.

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 FEET	LUFFING JIB LENGTH FEET	BOOM LENGTH FEET	LUFFING JIB LENGTH FEET	BOOM LENGTH FEET	LUFFING JIB LENGTH 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		
150 - 160	70 - 150	170 - 180	150 - 180		
170 - 180	70 - 140	190 - 200	120 - 150		
190 - 200	70 - 110				

CONSULT CHART NO. 7744-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
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	156,600b	67.6	153.0	153,700b													50
55	51.8	144.4	117,400*	59.0	148.8	137,900b	63.0	150.6	135,300b													55
60	46.3	139.9	104,200*	54.0	145.4	123,000	58.3	147.6	120,700b													60
65	40.2	134.4	93,500*	48.7	141.2	109,500*	53.3	144.1	108,800	60.2	147.2	105,400b										65
70	33.2	127.4	84,700*	42.9	136.2	97,900*	47.9	139.8	98,900	55.3	143.9	95,800										70
75	24.4	117.9	77,200*	36.3	129.9	88,300*	42.0	134.6	90,600	50.1	140.0	87,800	57.1	142.9	84,900							75
80	9.3	100.1	65,200*	28.5	121.7	80,300*	35.3	128.1	83,400	44.4	135.2	80,800	52.0	139.2	78,200							80
85				17.5	109.3	73,500*	27.1	119.5	77,200	38.0	129.2	74,800	46.5	134.7	72,400							85
90							15.2	105.8	71,700	30.6	121.6	69,500	40.4	129.3	67,300	48.3	133.4	65,100				90
95										20.7	110.7	64,800	33.5	122.3	62,800	42.4	128.3	60,800				95
100													24.7	113.0	58,800	35.8	121.9	56,900	44.0	126.3	55,100	100
105													10.2	96.0	55,100	27.8	113.5	53,400	37.6	120.3	51,700	105
110																16.4	100.5	50,200	30.1	112.5	48,700	110
115																			20.0	101.3	45,900	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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	137,600b	66.6	161.7	134,900b													55
60	52.9	153.2	104,800*	59.1	157.5	122,700	62.6	159.2	120,400b													60
65	48.2	148.9	94,000*	54.8	154.1	110,200*	58.5	156.3	108,500													65
70	43.1	143.9	85,100*	50.2	150.2	98,400*	54.1	152.9	98,600	60.2	155.9	95,400										70
75	37.4	137.8	77,600*	45.3	145.5	88,700*	49.5	148.8	90,300	55.9	152.6	87,300										75
80	30.9	130.2	71,200*	40.0	139.9	80,700*	44.6	144.0	83,200	51.4	148.8	80,400	57.5	151.6	77,800							80
85	22.7	119.8	65,600*	33.9	133.0	73,800*	39.1	138.2	77,000	46.6	144.3	74,500	53.1	148.0	72,000							85
90	8.6	100.8	56,200*	26.5	124.1	67,900*	32.9	131.1	71,600	41.3	139.0	69,200	48.4	143.8	66,900							90
95				16.3	110.7	62,800*	25.3	121.7	66,800	35.4	132.4	64,600	43.3	138.8	62,500	49.9	142.3	60,300				95
100							14.1	107.0	62,100*	28.5	124.1	60,500	37.7	132.7	58,500	44.9	137.6	56,500	46.3	135.5	51,200	100
105										19.3	112.3	56,800	31.2	125.1	54,900	39.5	131.9	53,100	41.0	130.1	48,200	105
110													23.1	115.0	51,700	33.4	124.9	50,000	35.1	123.5	45,500	110
115													9.5	96.8	48,600	25.9	115.8	47,100	28.0	115.0	43,000	115
120																15.2	101.7	44,500	18.6	102.9	40,700	120
125																						125

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LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
36	74.5	176.5	173,000*b																			36
38	73.2	175.9	166,200*b																			38
40	71.8	175.3	159,600*b																			40
45	68.4	173.4	145,000*b																			45
50	64.9	171.1	132,600*	69.9	173.5	150,800*b																50
55	61.3	168.5	118,500*	66.4	171.5	137,200b																55
60	57.6	165.5	105,200*	62.9	169.0	122,400	65.9	170.4	120,000													60
65	53.7	161.9	94,300*	59.2	166.1	110,300	62.4	167.9	108,100													65
70	49.6	157.9	85,300*	55.4	162.8	98,800*	58.7	165.0	98,300													70
75	45.2	153.1	77,800*	51.4	159.0	89,000*	54.8	161.6	90,000	60.1	164.5	87,000										75
80	40.5	147.6	71,300*	47.2	154.6	80,900*	50.8	157.7	82,900	56.4	161.3	80,100										80
85	35.2	141.0	65,800*	42.6	149.4	74,000*	46.5	153.2	76,700	52.4	157.6	74,100	57.8	160.3	71,600							85
90	29.1	132.7	60,900*	37.5	143.3	68,100*	41.8	147.9	71,300	48.2	153.4	68,900	53.9	156.8	66,500							90
95	21.3	121.7	56,600*	31.8	135.8	62,900*	36.7	141.6	66,600	43.7	148.4	64,300	49.8	152.7	62,100							95
100	8.0	101.5	48,900*	24.9	126.3	58,400*	30.9	133.9	62,200*	38.8	142.5	60,200	45.4	148.0	58,200	51.1	151.2	56,100				100
105				15.3	112.0	54,400*	23.7	123.8	57,800*	33.3	135.5	56,600	40.7	142.5	54,600	46.8	146.7	52,700				105
110										26.8	126.5	53,300	35.4	135.9	51,400	42.2	141.5	49,600	48.0	144.6	47,800	110
115										18.2	113.9	50,200	29.3	127.8	48,500	37.1	135.3	46,800	43.5	139.5	45,100	115
120													21.7	116.9	45,900	31.4	127.7	44,300	38.5	133.6	42,700	120
125													8.9	97.5	43,300	24.3	117.9	41,900	33.0	126.4	40,400	125
130																14.3	103.0	39,700	26.4	117.4	38,300	130
135																			17.5	107.4	36,400	135

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NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	122,000																60
65	57.9	174.1	94,300*	62.6	177.7	109,900	65.3	179.1	107,700													65
70	54.4	170.7	85,300*	59.3	174.8	98,800*	62.1	176.6	97,900													70
75	50.7	166.8	77,700*	55.9	171.5	89,000*	58.8	173.6	89,600													75
80	46.9	162.3	71,200*	52.3	167.8	80,800*	55.4	170.3	82,500	60.1	173.2	79,600										80
85	42.8	157.1	65,600*	48.6	163.6	73,900*	51.8	166.5	76,300	56.7	170.0	73,700										85
90	38.3	151.1	60,700*	44.6	158.7	68,000*	48.0	162.2	71,000	53.2	166.4	68,500	58.0	168.9	66,000							90
95	33.3	144.0	56,400*	40.3	153.1	62,800*	43.9	157.2	66,200	49.5	162.3	63,900	54.5	165.5	61,600							95
100	27.5	135.2	52,600*	35.5	146.5	58,200*	39.6	151.5	62,000	45.6	157.6	59,800	50.9	161.6	57,700							100
105	20.2	123.5	49,200*	30.1	138.5	54,200*	34.7	144.7	57,600*	41.3	152.2	56,200	47.0	157.1	54,200	52.0	160.0	52,200				105
110	7.6	102.1	42,800*	23.6	128.3	50,700*	29.2	136.5	53,700*	36.7	145.9	52,900	42.9	152.0	51,000	48.3	155.7	49,100				110
115				14.5	113.2	47,400*	22.5	125.8	50,200*	31.5	138.3	49,900	38.5	146.0	48,100	44.3	150.8	46,400				115
120							12.5	109.2	47,000*	25.3	128.8	47,200	33.5	138.9	45,500	39.9	145.2	43,800	45.3	148.8	42,200	120
125										17.2	115.4	44,700	27.7	130.2	43,100	35.1	138.5	41,500	41.1	143.3	40,000	125
130													20.5	118.7	40,900	29.7	130.4	39,400	36.4	136.9	37,900	130
135													8.4	98.2	38,700	23.0	119.9	37,400	31.2	129.2	36,000	135
140																13.5	104.1	35,500	24.9	119.6	34,200	140
145																			16.6	105.8	32,600	145

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LUFFING JIB NO. 133 OR NO. 133A ON
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167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	121,600																60
65	61.1	185.8	97,000*	65.3	188.9	109,500	67.7	190.1	107,200													65
70	58.1	182.8	87,600*	62.4	186.3	99,500	64.9	187.8	97,400													70
75	54.9	179.4	79,800*	59.4	183.5	91,000	61.9	185.2	89,100													75
80	51.6	175.6	73,100*	56.3	180.2	83,000*	58.9	182.3	82,000													80
85	48.2	171.3	67,300*	53.1	176.6	75,900*	55.8	179.0	75,900	60.1	181.8	73,200										85
90	44.5	166.4	62,300*	49.7	172.5	69,700*	52.6	175.3	70,500	57.0	178.7	68,000										90
95	40.7	160.8	57,900*	46.1	167.9	64,400*	49.2	171.2	65,800	53.9	175.2	63,500										95
100	36.4	154.4	54,000*	42.4	162.6	59,700*	45.6	166.4	61,600	50.5	171.2	59,400	55.0	174.2	57,200							100
105	31.7	146.8	50,500*	38.3	156.6	55,600*	41.8	161.1	57,900	47.0	166.7	55,800	51.7	170.4	53,700							105
110	26.2	137.5	47,300*	33.8	149.6	51,900*	37.6	154.9	54,500	43.3	161.6	52,500	48.3	166.1	50,600	52.8	168.8	48,600				110
115	19.2	125.1	44,400*	28.6	141.1	48,600*	33.1	147.7	51,400	39.3	155.8	49,600	44.7	161.3	47,700	49.4	164.7	45,900				115
120	7.2	102.6	35,800*	22.5	130.3	45,700*	27.8	138.9	48,200*	34.9	149.0	46,900	40.8	155.7	45,100	45.9	160.0	43,400				120
125				13.8	114.4	42,900*	21.4	127.7	45,300*	30.0	141.0	44,400	36.6	149.3	42,700	42.1	154.7	41,100	46.8	157.9	39,500	125
130							11.9	110.2	42,600*	24.1	130.9	42,100	31.9	141.8	40,500	38.0	148.6	39,000	43.1	152.8	37,500	130
135										16.3	116.8	40,000	26.4	132.6	38,500	33.4	141.5	37,000	39.1	146.9	35,600	135
140													19.5	120.4	36,600	28.2	132.9	35,200	34.7	140.1	33,800	140
145													8.0	98.8	34,800	21.9	121.8	33,500	29.7	131.9	32,200	145
150																12.9	105.2	31,900	23.7	121.7	30,700	150
155																			15.8	107.2	29,300	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	109,100																65
70	61.0	194.5	87,300*	64.9	197.6	99,100	67.1	198.8	97,000													70
75	58.2	191.5	79,400*	62.2	195.0	90,600	64.5	196.5	88,700													75
80	55.3	188.1	72,700*	59.4	192.1	82,700*	61.8	193.9	81,600													80
85	52.4	184.4	66,900*	56.6	188.9	75,500*	59.0	191.0	75,500	62.8	193.3	72,700										85
90	49.3	180.2	61,900*	53.7	185.4	69,400*	56.2	187.7	70,100	60.1	190.5	67,600										90
95	46.0	175.6	57,500*	50.6	181.4	64,000*	53.2	184.1	65,400	57.3	187.4	63,000										95
100	42.5	170.3	53,500*	47.4	177.0	59,300*	50.1	180.1	61,200	54.4	183.9	59,000										100
105	38.8	164.4	50,000*	44.0	172.0	55,200*	46.9	175.5	57,500	51.4	180.0	55,300	55.5	182.9	53,200							105
110	34.8	157.6	46,900*	40.5	166.4	51,500*	43.5	170.5	54,100	48.2	175.7	52,100	52.5	179.2	50,100							110
115	30.3	149.5	44,000*	36.6	159.9	48,200*	39.9	164.7	51,000*	44.9	170.9	49,100	49.4	175.1	47,200							115
120	25.0	139.7	41,500*	32.3	152.5	45,300*	35.9	158.2	47,800*	41.4	165.4	46,400	46.1	170.4	44,600	50.4	173.6	42,900				120
125	18.4	126.7	39,100*	27.4	143.5	42,600*	31.6	150.5	44,900*	37.6	159.2	44,000	42.7	165.2	42,300	47.2	169.1	40,600				125
130	6.9	103.2	31,600*	21.5	132.2	40,100*	26.6	141.3	42,200*	33.4	152.0	41,700	39.0	159.3	40,100	43.8	164.1	38,500	48.0	166.9	36,900	130
135				13.1	115.5	37,800*	20.4	129.4	39,800*	28.7	143.5	39,700	34.9	152.5	38,100	40.2	158.4	36,600	44.7	162.0	35,100	135
140							11.4	111.1	37,500*	23.1	132.9	37,700	30.4	144.5	36,200	36.3	151.9	34,800	41.1	156.5	33,300	140
145										15.6	118.1	35,900	25.2	134.8	34,500	31.9	144.3	33,100	37.3	150.3	31,700	145
150													18.6	122.0	32,900	27.0	135.3	31,600	33.1	143.0	30,300	150
155													7.6	99.4	31,300	20.9	123.7	30,100	28.4	134.4	28,900	155
160																12.3	106.2	28,700	22.7	123.6	27,500	160
165																			15.0	108.5	26,300	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	98,800																70
75	60.9	203.2	79,400*	64.5	206.2	90,400	66.6	207.5	88,400													75
80	58.4	200.2	72,600*	62.0	203.7	82,600*	64.1	205.2	81,300													80
85	55.7	196.8	66,800*	59.5	200.8	75,400*	61.6	202.5	75,200													85
90	53.0	193.2	61,800*	56.9	197.6	69,300*	59.1	199.6	69,900	62.6	202.0	67,300										90
95	50.1	189.1	57,300*	54.2	194.1	63,900*	56.5	196.4	65,200	60.1	199.2	62,700										95
100	47.2	184.6	53,400*	51.4	190.2	59,200*	53.8	192.9	61,000	57.5	196.1	58,700										100
105	44.1	179.7	49,900*	48.5	185.9	55,100*	50.9	188.9	57,300	54.8	192.6	55,100										105
110	40.8	174.1	46,700*	45.4	181.2	51,400*	48.0	184.6	53,900	52.1	188.9	51,900	55.8	191.6	49,800							110
115	37.2	167.8	43,900*	42.2	175.9	48,100*	45.0	179.7	50,900	49.2	184.7	48,900	53.1	188.0	47,000							115
120	33.4	160.6	41,300*	38.8	169.9	45,100*	41.7	174.3	47,600*	46.2	180.0	46,200	50.3	184.0	44,400							120
125	29.0	152.1	39,000*	35.1	163.1	42,400*	38.2	168.2	44,700*	43.0	174.9	43,800	47.3	179.5	42,100	51.2	182.4	40,300				125
130	24.0	141.8	36,800*	31.0	155.2	40,000*	34.5	161.3	42,100*	39.6	169.1	41,600	44.2	174.5	39,900	48.2	178.1	38,300				130
135	17.6	128.3	34,800*	26.3	145.8	37,700*	30.3	153.2	39,600*	36.0	162.5	39,500	40.9	169.0	37,900	45.2	173.3	36,300				135
140	6.6	103.7	28,100*	20.6	134.0	35,700*	25.5	143.5	37,400*	32.0	154.9	37,600	37.4	162.7	36,100	42.0	167.9	34,600	46.0	171.2	33,100	140
145				12.6	116.6	33,700*	19.6	131.2	35,400*	27.5	146.0	35,800	33.5	155.5	34,400	38.5	161.9	32,900	42.8	166.0	31,500	145
150							10.9	112.1	33,500*	22.1	134.8	34,100	29.2	147.1	32,800	34.8	155.1	31,400	39.4	160.2	30,100	150
155										15.0	119.4	32,600	24.2	136.9	31,300	30.6	147.1	30,000	35.8	153.5	28,700	155
160													17.9	123.5	29,800	25.9	137.6	28,600	31.8	145.9	27,400	160
165													7.3	100.0	28,500	20.1	125.4	27,300	27.2	136.8	26,200	165
170																11.8	107.2	26,100	21.8	125.6	25,000	170
175																			14.4	109.7	23,900	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	98,400																70
75	63.2	214.5	79,500*	66.4	217.3	90,000																75
80	60.9	211.8	72,700*	64.2	214.9	82,800	66.1	216.2	80,900													80
85	58.5	208.8	66,800*	61.9	212.3	75,500*	63.8	213.9	74,800													85
90	56.0	205.5	61,700*	59.5	209.5	69,300*	61.5	211.2	69,500													90
95	53.5	201.9	57,200*	57.1	206.3	63,800*	59.1	208.3	64,800	62.4	210.6	62,300										95
100	50.9	198.0	53,200*	54.6	202.8	59,100*	56.7	205.1	60,600	60.1	207.8	58,200										100
105	48.2	193.6	49,700*	52.0	199.1	54,900*	54.2	201.6	56,900	57.7	204.7	54,600										105
110	45.4	188.9	46,500*	49.4	194.9	51,200*	51.6	197.7	53,500	55.2	201.4	51,400										110
115	42.4	183.6	43,600*	46.6	190.3	47,800*	49.0	193.5	50,500	52.7	197.6	48,500	56.1	200.3	46,500							115
120	39.2	177.7	41,000*	43.7	185.2	44,800*	46.2	188.9	47,400*	50.0	193.6	45,800	53.6	196.8	43,900							120
125	35.8	171.0	38,600*	40.6	179.6	42,100*	43.2	183.7	44,400*	47.3	189.1	43,400	51.0	192.8	41,600							125
130	32.1	163.4	36,500*	37.3	173.3	39,700*	40.1	178.0	41,800*	44.4	184.1	41,100	48.3	188.5	39,400	51.8	191.3	37,800				130
135	27.9	154.6	34,500*	33.7	166.1	37,400*	36.8	171.6	39,300*	41.4	178.7	39,100	45.5	183.7	37,400	49.2	187.1	35,900				135
140	23.1	143.9	32,600*	29.8	157.9	35,300*	33.2	164.3	37,100*	38.1	172.5	37,200	42.5	178.4	35,600	46.4	182.4	34,100				140
145	16.9	129.7	30,900*	25.3	148.1	33,400*	29.1	155.8	35,000*	34.6	165.6	35,400	39.3	172.6	33,900	43.4	177.3	32,400	47.1	180.3	31,000	145
150	6.3	104.2	25,000*	19.8	135.7	31,600*	24.5	145.7	33,100*	30.8	157.7	33,800	35.9	166.0	32,300	40.3	171.6	30,900	44.2	175.3	29,600	150
155				12.1	117.6	30,000*	18.9	132.8	31,400*	26.4	148.3	32,200	32.2	158.4	30,900	37.0	165.3	29,500	41.2	169.8	28,200	155
160							10.5	112.9	29,700*	21.3	136.7	30,800	28.1	149.6	29,500	33.4	158.1	28,200	37.9	163.6	26,900	160
165										14.4	120.7	29,400	23.3	139.0	28,200	29.5	149.7	26,900	34.4	156.6	25,700	165
170													17.2	125.0	26,900	24.9	139.8	25,700	30.6	148.6	24,600	170
175													7.0	100.6	25,700	19.3	127.1	24,600	26.2	139.1	23,500	175
180																11.3	108.2	23,500	20.9	127.4	22,500	180
185																			13.9	110.9	21,500	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	89,600																75
80	63.0	223.2	73,400*	66.0	226.0	82,300	67.8	227.2	80,500													80
85	60.8	220.5	67,400*	63.9	223.6	76,100	65.7	225.0	74,400													85
90	58.6	217.5	62,200*	61.7	221.0	69,900*	63.6	222.5	69,000													90
95	56.3	214.2	57,700*	59.5	218.1	64,400*	61.4	219.9	64,300													95
100	54.0	210.7	53,700*	57.3	215.0	59,600*	59.2	217.0	60,200	62.3	219.3	57,800										100
105	51.5	206.8	50,100*	55.0	211.6	55,400*	56.9	213.8	56,400	60.1	216.5	54,200										105
110	49.0	202.6	46,800*	52.6	207.8	51,600*	54.6	210.3	53,100	57.8	213.4	50,900										110
115	46.4	198.0	43,900*	50.1	203.8	48,200*	52.2	206.5	50,000	55.5	210.1	48,000										115
120	43.7	192.9	41,200*	47.6	199.3	45,100*	49.8	202.4	47,300	53.2	206.4	45,400	56.4	209.0	43,500							120
125	40.9	187.3	38,800*	44.9	194.5	42,300*	47.2	197.9	44,700*	50.7	202.4	42,900	54.0	205.5	41,100							125
130	37.8	181.1	36,500*	42.1	189.1	39,800*	44.5	193.0	42,000*	48.2	198.1	40,700	51.6	201.6	39,000							130
135	34.5	174.1	34,500*	39.1	183.2	37,500*	41.7	187.5	39,400*	45.6	193.3	38,700	49.1	197.4	37,000	52.4	200.1	35,400				135
140	31.0	166.2	32,500*	36.0	176.5	35,300*	38.7	181.5	37,100*	42.8	188.1	36,800	46.5	192.8	35,200	49.9	196.0	33,600				140
145	26.9	157.0	30,800*	32.5	169.1	33,400*	35.5	174.8	35,000*	39.9	182.3	35,000	43.8	187.8	33,500	47.4	191.5	32,000				145
150	22.3	145.8	29,100*	28.7	160.5	31,500*	32.0	167.1	33,100*	36.8	175.9	33,400	41.0	182.2	31,900	44.7	186.6	30,500				150
155	16.4	131.1	26,700*	24.4	150.2	29,800*	28.1	158.3	31,300*	33.4	168.6	31,900	37.9	176.0	30,400	41.9	181.2	29,100	45.4	184.5	27,700	155
160	6.1	104.7	20,900*	19.1	137.4	28,200*	23.7	147.8	29,600*	29.7	160.3	30,400	34.7	169.1	29,100	38.9	175.2	27,700	42.6	179.2	26,400	160
165				11.7	118.6	26,000*	18.2	134.4	28,000*	25.5	150.6	29,100	31.1	161.2	27,800	35.7	168.5	26,500	39.7	173.4	25,300	165
170							10.1	113.8	26,100*	20.5	138.5	27,800	27.1	152.0	26,600	32.3	161.0	25,300	36.6	166.9	24,100	170
175										13.9	121.9	26,600	22.5	140.9	25,400	28.4	152.2	24,200	33.2	159.6	23,100	175
180													16.6	126.5	24,300	24.0	141.9	23,200	29.5	151.3	22,100	180
185													6.7	101.2	23,200	18.7	128.7	22,200	25.2	141.4	21,100	185
190																10.9	109.1	21,200	20.2	129.1	20,200	190
195																			13.4	112.1	19,300	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	81,900																80
85	62.8	231.9	66,900*	65.6	234.7	75,700	67.3	235.9	73,900													85
90	60.8	229.1	61,700*	63.7	232.3	69,400*	65.4	233.7	68,600													90
95	58.7	226.2	57,200*	61.6	229.7	63,900*	63.4	231.2	63,900													95
100	56.5	222.9	53,100*	59.6	226.8	59,100*	61.3	228.5	59,700													100
105	54.4	219.4	49,500*	57.5	223.7	54,800*	59.3	225.6	56,000	62.1	228.0	53,700										105
110	52.1	215.6	46,300*	55.3	220.3	51,100*	57.1	222.5	52,700	60.1	225.1	50,500										110
115	49.8	211.5	43,400*	53.1	216.6	47,700*	55.0	219.0	49,600	58.0	222.1	47,600										115
120	47.4	207.0	40,800*	50.8	212.6	44,600*	52.7	215.3	46,900	55.8	218.8	44,900										120
125	44.9	202.1	38,300*	48.4	208.3	41,900*	50.4	211.3	44,200*	53.6	215.2	42,500	56.6	217.7	40,600							125
130	42.3	196.8	36,100*	46.0	203.6	39,400*	48.1	206.9	41,500*	51.4	211.3	40,300	54.4	214.2	38,500							130
135	39.5	190.9	34,000*	43.4	198.5	37,000*	45.6	202.1	39,000*	49.0	207.0	38,200	52.2	210.4	36,500							135
140	36.6	184.4	32,100*	40.7	192.8	34,900*	43.0	196.9	36,700*	46.6	202.4	36,300	49.9	206.3	34,700	52.9	208.8	33,100				140
145	33.4	177.1	30,400*	37.8	186.6	32,900*	40.3	191.2	34,600*	44.0	197.4	34,600	47.5	201.9	33,000	50.6	204.8	31,500				145
150	29.9	168.9	28,700*	34.8	179.7	31,100*	37.4	184.9	32,600*	41.4	191.9	33,000	45.0	197.0	31,400	48.2	200.5	30,000				150
155	26.1	159.3	27,200*	31.5	171.9	29,400*	34.3	177.9	30,800*	38.6	185.8	31,400	42.4	191.7	30,000	45.8	195.7	28,600				155
160	21.5	147.7	25,700*	27.8	162.9	27,800*	30.9	169.9	29,200*	35.6	179.1	30,000	39.6	185.8	28,600	43.2	190.6	27,300	46.4	193.6	25,900	160
165	15.8	132.5	23,600*	23.6	152.3	26,300*	27.2	160.7	27,600*	32.3	171.5	28,700	36.7	179.3	27,300	40.5	184.9	26,000	43.9	188.5	24,800	165
170	5.9	105.2	18,300*	18.5	139.0	24,900*	22.9	149.8	26,100*	28.7	162.9	27,400	33.5	172.1	26,100	37.6	178.6	24,900	41.2	183.0	23,600	170
175				11.3	119.6	23,000*	17.6	135.9	24,700*	24.7	152.7	26,300	30.1	163.9	25,000	34.5	171.6	23,800	38.4	176.9	22,600	175
180							9.8	114.6	23,100*	19.9	140.2	25,100	26.2	154.4	23,900	31.2	163.8	22,800	35.4	170.1	21,600	180
185										13.4	123.0	23,900*	21.7	142.9	22,900	27.5	154.7	21,800	32.1	162.5	20,700	185
190													16.1	127.8	21,900	23.2	143.9	20,800	28.5	153.8	19,800	190
195													6.5	101.7	20,900	18.0	130.3	20,000	24.4	143.5	18,900	195
200																10.6	110.0	19,100	19.5	130.9	18,100	200
205																			12.9	113.2	17,300	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	68,300													90
95	60.7	237.8	57,400*	63.4	241.0	64,200*	65.0	242.4	63,600													95
100	58.7	234.8	53,300*	61.5	238.3	59,300*	63.2	239.9	59,400													100
105	56.7	231.6	49,600*	59.6	235.4	55,000*	61.2	237.2	55,700													105
110	54.7	228.1	46,400*	57.6	232.3	51,200*	59.3	234.3	52,400	62.0	236.6	50,200										110
115	52.6	224.4	43,400*	55.6	229.0	47,700*	57.3	231.1	49,300	60.1	233.8	47,300										115
120	50.4	220.4	40,700*	53.5	225.4	44,600*	55.3	227.8	46,600	58.1	230.8	44,600										120
125	48.2	216.0	38,200*	51.4	221.5	41,800*	53.2	224.1	44,100	56.1	227.5	42,200										125
130	45.9	211.3	36,000*	49.2	217.2	39,300*	51.0	220.1	41,400*	54.0	223.9	40,000	56.8	226.4	38,200							130
135	43.5	206.1	33,900*	46.9	212.7	36,900*	48.8	215.9	38,900*	51.9	220.1	37,900	54.8	223.0	36,200							135
140	40.9	200.5	32,000*	44.5	207.7	34,800*	46.5	211.2	36,600*	49.7	215.9	36,100	52.7	219.2	34,400							140
145	38.3	194.4	30,200*	42.0	202.3	32,800*	44.1	206.2	34,500*	47.4	211.5	34,300	50.5	215.2	32,700							145
150	35.4	187.6	28,600*	39.4	196.4	31,000*	41.6	200.8	32,500*	45.1	206.6	32,700	48.3	210.9	31,200	51.2	213.7	29,700				150
155	32.4	180.0	27,000*	36.7	189.9	29,300*	39.0	194.8	30,700*	42.6	201.3	31,200	46.0	206.1	29,700	49.0	209.4	28,300				155
160	29.0	171.5	25,600*	33.7	182.7	27,700*	36.2	188.2	29,000*	40.1	195.6	29,800	43.5	201.0	28,400	46.7	204.8	27,000				160
165	25.3	161.5	24,200*	30.5	174.6	26,200*	33.2	180.9	27,500*	37.3	189.2	28,500	41.0	195.4	27,100	44.3	199.8	25,800	47.3	202.6	24,500	165
170	20.9	149.5	23,000*	26.9	165.3	24,800*	30.0	172.6	26,000*	34.4	182.2	27,200	38.4	189.3	25,900	41.8	194.4	24,600	45.0	197.8	23,400	170
175	15.3	133.8	21,000*	22.9	154.3	23,500*	26.4	163.1	24,600*	31.3	174.3	26,000	35.5	182.6	24,800	39.2	188.5	23,500	42.5	192.5	22,300	175
180		105.7	16,200*	17.9	140.5	22,300*	22.2	151.8	23,300*	27.8	165.4	24,900	32.5	175.0	23,700	36.4	181.9	22,500	39.9	186.7	21,300	180
185				10.9	120.5	20,500*	17.1	137.4	22,100*	23.9	154.9	23,800*	29.1	166.5	22,700	33.5	174.6	21,500	37.2	180.3	20,400	185
190							9.5	115.4	20,700*	19.2	141.9	22,600*	25.4	156.6	21,800	30.2	166.5	20,600	34.3	173.2	19,500	190
195										13.0	124.1	21,300*	21.1	144.7	20,800	26.6	157.1	19,800	31.1	165.3	18,700	195
200													15.6	129.2	20,000	22.5	145.9	18,900	27.6	156.2	17,900	200
205													6.3	102.2	19,100	17.5	131.8	18,100	23.7	145.6	17,100	205
210																10.2	110.9	17,300	18.9	132.5	16,400	210
215																			12.5	114.2	15,700	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. COUNTERWEIGHT - 360 DEGREE RATING**

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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	67,200																85
90	64.3	251.8	61,500*	66.8	254.4	62,100																90
95	62.5	249.2	56,900*	65.0	252.1	57,500	66.5	253.4	55,400													95
100	60.7	246.5	52,700*	63.3	249.6	53,500	64.8	251.0	51,500													100
105	58.8	243.5	49,100*	61.5	247.0	49,900	63.0	248.5	48,000													105
110	56.9	240.3	45,800*	59.6	244.1	46,600	61.2	245.9	44,800													110
115	55.0	236.9	42,900*	57.7	241.0	43,700	59.3	242.9	42,000	61.9	245.3	39,200										115
120	53.0	233.2	40,200*	55.8	237.7	41,000	57.5	239.8	39,400	60.1	242.5	36,700										120
125	51.0	229.2	37,800*	53.9	234.1	38,600	55.5	236.5	37,000	58.2	239.4	34,500										125
130	48.9	225.0	35,500*	51.9	230.3	36,300	53.6	232.9	34,900	56.3	236.2	32,400										130
135	46.7	220.4	33,400*	49.8	226.1	34,300	51.6	229.0	32,900	54.4	232.6	30,500	57.0	235.1	28,200							135
140	44.5	215.4	31,500*	47.7	221.7	32,400	49.5	224.8	31,000	52.4	228.9	28,800	55.1	231.7	26,600							140
145	42.2	210.0	29,800*	45.5	216.9	30,600	47.3	220.3	29,300	50.3	224.8	27,200	53.1	228.0	25,000							145
150	39.7	204.2	28,100*	43.2	211.7	29,000	45.1	215.4	27,700	48.2	220.4	25,600	51.1	224.0	23,600							150
155	37.1	197.8	26,600*	40.8	206.1	27,400	42.8	210.2	26,200	46.0	215.7	24,200	49.0	219.8	22,300	51.7	222.5	20,300				155
160	34.4	190.7	25,200*	38.3	199.9	26,000	40.4	204.5	24,900	43.7	210.6	22,900	46.8	215.2	21,000	49.6	218.3	19,200				160
165	31.4	182.9	23,800*	35.6	193.1	24,700	37.9	198.2	23,600	41.4	205.1	21,700	44.6	210.3	19,900	47.5	213.8	18,100				165
170	28.2	174.0	22,600*	32.7	185.7	23,400	35.2	191.4	22,300	38.9	199.1	20,500	42.2	204.9	18,800	45.3	209.0	17,000				170
175	24.5	163.7	21,400*	29.6	177.3	22,200	32.3	183.8	21,200	36.2	192.5	19,500	39.8	199.1	17,700	43.0	203.8	16,100	45.9	206.9	14,400	175
180	20.3	151.3	20,200*	26.1	167.6	21,100	29.1	175.2	20,100	33.4	185.2	18,400	37.2	192.7	16,800	40.6	198.1	15,100	43.6	201.8	13,600	180
185	14.9	135.1	18,500*	22.2	156.3	20,100	25.6	165.3	19,100	30.4	177.0	17,500	34.5	185.7	15,800	38.1	191.9	14,300	41.2	196.2	12,700	185
190	5.5	106.1	14,100*	17.4	142.1	19,000	21.5	153.7	18,100	27.0	167.8	16,500	31.5	177.8	15,000	35.4	185.1	13,400	38.7	190.2	12,000	190
195				10.6	121.4	18,000*	16.6	138.8	17,200	23.2	156.9	15,600	28.3	169.0	14,100	32.5	177.6	12,700	36.1	183.6	11,200	195
200							9.2	116.2	16,200	18.7	143.6	14,800	24.7	158.8	13,300	29.3	169.1	11,900	33.3	176.2	10,500	200
205										12.6	125.2	14,000	20.4	146.5	12,600	25.9	159.3	11,200	30.2	168.0	9,900	205
210													15.1	130.5	11,800	21.9	147.8	10,500	26.8	158.6	9,200	210
215													6.1	102.7	11,100	17.0	133.3	9,800	23.0	147.7	8,600	215
220																9.9	111.7	9,200	18.4	134.1	8,000	220
225																			12.2	115.3	7,400	225

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. COUNTERWEIGHT - 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	61,500																90
95	64.1	260.4	55,600*	66.4	263.1	57,000	67.8	264.2	54,900													95
100	62.4	257.9	52,300*	64.8	260.8	52,900	66.2	262.1	50,900													100
105	60.6	255.1	48,600*	63.1	258.3	49,300	64.5	259.7	47,400													105
110	58.9	252.2	45,300*	61.4	255.6	46,100	62.8	257.2	44,300													110
115	57.1	249.0	42,400*	59.6	252.8	43,100	61.1	254.5	41,400													115
120	55.3	245.6	39,700*	57.9	249.7	40,500	59.4	251.6	38,800	61.8	253.9	36,200										120
125	53.4	241.9	37,300*	56.1	246.4	38,000	57.6	248.5	36,500	60.1	251.1	33,900										125
130	51.5	238.0	35,000*	54.2	242.9	35,800	55.8	245.2	34,300	58.3	248.1	31,900										130
135	49.5	233.9	33,000*	52.3	239.1	33,800	53.9	241.6	32,300	56.5	244.8	30,000										135
140	47.5	229.4	31,100*	50.4	235.0	31,900	52.0	237.8	30,500	54.7	241.4	28,200	57.2	243.8	26,000							140
145	45.4	224.6	29,300*	48.4	230.7	30,100	50.1	233.7	28,800	52.8	237.6	26,600	55.3	240.4	24,500							145
150	43.2	219.4	27,700*	46.3	226.0	28,500	48.1	229.3	27,200	50.9	233.7	25,100	53.5	236.8	23,000							150
155	41.0	213.8	26,100*	44.2	221.0	27,000	46.0	224.6	25,700	48.9	229.4	23,700	51.6	232.9	21,700							155
160	38.6	207.7	24,700*	42.0	215.6	25,500	43.9	219.5	24,400	46.8	224.8	22,400	49.6	228.7	20,500	52.2	231.3	18,600				160
165	36.1	201.0	23,400*	39.6	209.7	24,200	41.6	214.0	23,100	44.7	219.9	21,200	47.6	224.2	19,300	50.2	227.2	17,500				165
170	33.4	193.7	22,100*	37.2	203.3	23,000	39.3	208.0	21,800	42.5	214.6	20,000	45.5	219.4	18,200	48.2	222.8	16,500				170
175	30.5	185.6	20,900*	34.6	196.3	21,800	36.8	201.6	20,700	40.2	208.8	18,900	43.3	214.3	17,200	46.2	218.1	15,500				175
180	27.4	176.4	19,800*	31.8	188.5	20,700	34.2	194.5	19,600	37.8	202.5	17,900	41.1	208.7	16,200	44.0	213.1	14,600	46.7	216.0	13,000	180
185	23.9	165.8	18,800*	28.8	179.8	19,600	31.4	186.6	18,600	35.2	195.7	17,000	38.7	202.6	15,300	41.8	207.6	13,700	44.6	211.0	12,200	185
190	19.7	153.0	17,800*	25.4	169.9	18,600	28.3	177.7	17,600	32.5	188.1	16,000	36.2	196.0	14,400	39.5	201.7	12,900	42.4	205.7	11,400	190
195	14.5	136.4	16,100*	21.6	158.2	17,700	24.9	167.5	16,700	29.5	179.7	15,200	33.5	188.7	13,600	37.0	195.3	12,100	40.1	199.9	10,700	195
200	5.3	106.5	12,100*	16.9	143.5	16,700	20.9	155.5	15,800	26.3	170.1	14,300	30.6	180.6	12,800	34.4	188.2	11,400	37.7	193.6	10,000	200
205				10.3	122.3	15,800*	16.1	140.2	15,000	22.6	158.9	13,500	27.5	171.4	12,100	31.6	180.4	10,700	35.1	186.7	9,300	205
210							8.9	116.9	14,100	18.2	145.1	12,800	24.0	160.9	11,400	28.5	171.6	10,000	32.3	179.1	8,700	210
215										12.3	126.3	12,000	19.9	148.2	10,700	25.2	161.6	9,400	29.4	170.6	8,100	215
220													14.7	131.8	10,000	21.3	149.7	8,700	26.1	160.9	7,500	220
225													5.9	103.2	9,300	16.5	134.7	8,100	22.3	149.6	6,900	225
230																9.6	112.5	7,500	17.9	135.7	6,400	230
235																			11.8	116.3	5,800	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	52,400	67.4	273.0	50,400													100
105	62.2	266.5	46,300*	64.5	269.5	48,800	65.9	270.8	46,900													105
110	60.6	263.8	44,000*	62.9	267.0	45,500	64.3	268.4	43,700													110
115	58.9	260.8	41,700*	61.3	264.3	42,600	62.7	265.9	40,900													115
120	57.2	257.7	39,100*	59.7	261.4	39,900	61.1	263.2	38,300													120
125	55.5	254.3	36,700*	58.0	258.4	37,500	59.4	260.3	35,900	61.7	262.6	33,300										125
130	53.8	250.7	34,500*	56.3	255.1	35,300	57.7	257.2	33,800	60.1	259.8	31,200										130
135	51.9	246.8	32,400*	54.5	251.6	33,200	56.0	253.9	31,800	58.4	256.8	29,400										135
140	50.1	242.7	30,500*	52.7	247.8	31,300	54.2	250.3	29,900	56.7	253.5	27,600										140
145	48.2	238.4	28,800*	50.9	243.9	29,600	52.5	246.6	28,200	54.9	250.1	26,000	57.3	252.5	23,800							145
150	46.2	233.7	27,200*	49.0	239.6	27,900	50.6	242.5	26,600	53.2	246.4	24,500	55.6	249.1	22,400							150
155	44.2	228.6	25,700*	47.1	235.0	26,400	48.7	238.2	25,200	51.3	242.5	23,100	53.8	245.5	21,100							155
160	42.1	223.2	24,200*	45.1	230.2	25,000	46.8	233.6	23,800	49.5	238.3	21,800	52.0	241.7	19,800							160
165	39.9	217.4	22,900*	43.0	224.9	23,700	44.8	228.7	22,500	47.6	233.8	20,600	50.2	237.6	18,700	52.6	240.1	16,800				165
170	37.6	211.1	21,700*	40.8	219.3	22,400	42.7	223.4	21,300	45.6	229.0	19,400	48.3	233.2	17,600	50.8	236.1	15,800				170
175	35.1	204.2	20,500*	38.6	213.2	21,300	40.5	217.7	20,200	43.5	223.9	18,400	46.3	228.5	16,600	48.9	231.8	14,800				175
180	32.5	196.6	19,400*	36.2	206.6	20,200	38.2	211.5	19,100	41.4	218.3	17,300	44.3	223.5	15,600	46.9	227.2	13,900				180
185	29.7	188.3	18,300*	33.7	199.3	19,100	35.8	204.8	18,100	39.1	212.4	16,400	42.2	218.1	14,700	44.9	222.3	13,100	47.4	225.0	11,500	185
190	26.7	178.8	17,300*	31.0	191.3	18,100	33.3	197.4	17,100	36.8	205.9	15,500	40.0	212.3	13,800	42.8	217.0	12,300	45.5	220.2	10,700	190
195	23.2	167.9	16,400*	28.0	182.3	17,200	30.5	189.3	16,200	34.3	198.8	14,600	37.7	206.0	13,000	40.7	211.4	11,500	43.4	215.0	10,000	195
200	19.2	154.7	15,500*	24.8	172.1	16,300	27.6	180.2	15,300	31.7	191.0	13,800	35.2	199.2	12,300	38.4	205.2	10,800	41.2	209.5	9,300	200
205	14.1	137.6	14,000*	21.0	160.0	15,400	24.2	169.7	14,500	28.8	182.3	13,000	32.6	191.6	11,500	36.0	198.5	10,100	39.0	203.5	8,700	205
210	5.2	107.0	10,300*	16.5	145.0	14,600	20.4	157.3	13,700	25.6	172.4	12,300	29.8	183.3	10,800	33.5	191.2	9,400	36.7	196.9	8,000	210
215				10.1	123.1	13,700*	15.7	141.6	12,900	22.0	160.8	11,500	26.8	173.8	10,100	30.8	183.2	8,800	34.2	189.8	7,400	215
220							8.7	117.7	12,200	17.7	146.7	10,800	19.4	149.9	9,500	27.8	174.1	8,200	31.5	181.9	6,900	220
225										12.0	127.3	10,200	14.3	133.0	8,200	24.5	163.7	7,600	28.6	173.2	6,300	225
230													5.8	103.7	7,600	20.7	151.5	7,000	25.4	163.2	5,800	230
235																16.1	136.1	6,400	21.8	151.5	5,300	235
240																9.4	113.3	5,900	17.4	137.2	4,800	240
245																			11.5	117.3	4,300	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. COUNTERWEIGHT - 360 DEGREE RATING**

90 FT. BOOM, 70 FT. JIB

	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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB OPER. RAD. FEET
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	155,900b																50
55	52.2	154.7	118,400*	60.2	159.5	137,300b	64.6	161.3	134,400b													55
60	46.7	150.2	105,000*	55.3	156.2	122,500b	60.0	158.6	119,900b													60
65	40.7	144.8	94,200*	50.1	152.2	110,400	55.0	155.3	108,100	62.6	158.3	104,200b										65
70	33.7	137.9	85,300*	44.4	147.4	100,400	49.8	151.3	98,300	57.9	155.3	94,700b										70
75	25.1	128.7	77,700*	38.0	141.5	90,500*	44.1	146.4	90,000	52.8	151.8	86,700										75
80	11.1	112.3	70,000*	30.6	133.9	82,200*	37.7	140.4	82,900	47.4	147.4	79,900	55.5	151.2	76,900							80
85				20.7	122.9	75,100*	30.2	132.7	76,700	41.4	142.1	74,000	50.3	147.3	71,200							85
90							20.1	121.5	71,200	34.6	135.5	68,800	44.7	142.5	66,200	52.8	146.1	63,700				90
95										26.3	126.6	64,100	47.4	141.7	61,800	47.4	141.7	59,500				95
100										13.6	112.0	59,900	41.5	136.4	55,700	41.5	136.4	55,700				100
105													34.7	129.8	52,300	34.7	129.8	52,300	44.0	135.0	50,300	105
110													26.3	120.9	49,200	26.3	120.9	49,200	37.6	129.0	47,300	110
115													13.7	106.4	46,300	13.7	106.4	46,300	30.1	121.2	44,700	115
120																			20.0	110.0	42,200	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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	155,600b																50
55	57.6	167.0	119,100*	64.2	170.9	137,000b	68.0	172.3	134,000b													55
60	53.2	163.4	105,600*	60.2	168.2	122,200	64.1	170.0	119,500b													60
65	48.5	159.2	94,700*	55.9	164.9	110,100	60.0	167.2	107,700													65
70	43.5	154.3	85,700*	51.4	161.1	100,100	55.7	164.0	97,900	62.3	167.0	94,300b										70
75	37.9	148.2	78,100*	46.6	156.6	90,900*	51.2	160.1	89,600	58.1	164.0	86,300										75
80	31.4	140.7	71,600*	41.3	151.3	82,500*	46.3	155.6	82,600	53.8	160.5	79,500										80
85	23.4	130.7	66,000*	35.4	144.7	75,400*	41.1	150.2	76,400	49.1	156.4	73,600	56.1	159.9	70,700							85
90	10.3	113.1	60,300*	28.5	136.4	69,300*	35.1	143.6	71,100	44.1	151.5	68,400	51.6	156.1	65,800							90
95				19.3	124.6	64,000*	28.1	135.2	66,300	38.6	145.7	63,800	46.8	151.7	61,400							95
100							18.8	123.1	62,000	32.3	138.4	59,800	41.6	146.4	57,500							100
105										24.5	128.8	56,100	35.7	139.9	54,000	44.1	145.8	51,800				105
110										12.7	113.0	52,700	28.8	131.7	50,800	38.6	140.0	48,800	46.3	144.2	46,800	110
115													19.8	120.2	47,900	32.3	132.7	46,100	41.0	138.7	44,200	115
120																24.5	123.1	43,500	35.1	132.1	41,800	120
125																12.8	107.5	41,100	28.0	123.7	39,600	125
130																			18.6	111.6	37,500	130

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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	136,600b																55
60	57.9	175.7	106,000*	63.8	179.6	121,800	67.1	181.0	119,100b													60
65	54.0	172.2	95,000*	60.1	176.8	109,800	63.6	178.7	107,300													65
70	49.9	168.2	85,900*	56.4	173.6	99,800	60.0	175.9	97,600													70
75	45.5	163.5	78,300*	52.4	169.9	91,200*	56.2	172.7	89,300	62.0	175.7	85,900										75
80	40.8	158.0	71,800*	48.2	165.7	82,800*	52.2	169.0	82,200	58.3	172.7	79,100										80
85	35.6	151.5	66,100*	43.7	160.7	75,600*	48.0	164.7	76,100	54.5	169.3	73,200										85
90	29.5	143.4	61,200*	38.8	154.8	69,500*	43.5	159.6	70,800	50.4	165.3	68,100	56.5	168.6	65,400							90
95	22.0	132.6	56,900*	33.3	147.7	64,100*	38.6	153.7	66,100	46.1	160.7	63,500	52.6	164.9	61,000							95
100	9.6	113.9	52,400*	26.8	138.8	59,500*	33.0	146.6	61,900	41.4	155.3	59,500	48.4	160.7	57,100							100
105				18.1	126.2	55,300*	26.4	137.5	58,100	36.3	149.0	55,900	43.9	155.8	53,600	50.4	159.6	51,400				105
110							17.6	124.6	54,700	30.3	141.1	52,600	39.1	149.9	50,500	46.1	155.0	48,400				110
115										23.0	130.8	49,600	33.6	142.9	47,700	41.5	149.7	45,700	48.0	153.2	43,800	115
120										11.9	114.0	46,800	27.1	134.1	45,100	36.3	143.3	43,200	43.5	148.2	41,400	120
125													18.6	121.8	42,600	30.4	135.4	40,900	38.5	142.3	39,200	125
130																23.1	125.1	38,800	33.0	135.1	37,200	130
135																12.0	108.5	36,800	26.4	126.0	35,300	135
140																			17.5	113.1	33,600	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	75.1	196.5	156,700*b																			38
40	73.9	195.9	153,300*b																			40
45	70.9	194.2	143,400*b																			45
50	67.8	192.3	131,800*																			50
55	64.7	190.0	119,700*	69.7	192.7	136,200b																55
60	61.4	187.4	106,100*	66.6	190.7	121,500																60
65	58.1	184.4	95,000*	63.4	188.2	109,400	66.4	189.8	106,900													65
70	54.6	180.9	85,900*	60.1	185.5	99,400	63.2	187.3	97,100													70
75	51.0	177.0	78,200*	56.7	182.3	91,000	60.0	184.5	88,900													75
80	47.2	172.6	71,600*	53.2	178.7	82,700*	56.6	181.4	81,800	61.8	184.3	78,600										80
85	43.1	167.5	66,000*	49.5	174.6	75,500*	53.0	177.7	75,700	58.5	181.4	72,700										85
90	38.6	161.5	61,100*	45.6	169.9	69,300*	49.3	173.6	70,400	55.1	178.0	67,600										90
95	33.7	154.5	56,700*	41.3	164.5	64,000*	45.4	168.9	65,700	51.4	174.2	63,100	56.9	177.3	60,500							95
100	27.9	145.9	52,900*	36.7	158.2	59,300*	41.1	163.4	61,500	47.6	169.8	59,100	53.4	173.7	56,600							100
105	20.8	134.4	49,400*	31.5	150.6	55,200*	36.5	157.0	57,800	43.6	164.8	55,500	49.7	169.6	53,200							105
110	9.1	114.7	45,800*	25.3	141.0	51,500*	31.2	149.4	54,400	39.2	158.9	52,200	45.8	165.0	50,000	51.5	168.5	47,900				110
115				17.2	127.7	48,200*	25.0	139.7	51,300	34.3	152.1	49,300	41.5	159.6	47,200	47.7	164.1	45,200				115
120							16.7	126.1	48,100*	28.7	143.7	46,600	36.9	153.3	44,700	43.6	159.1	42,700				120
125										21.8	132.7	44,100	31.8	145.8	42,300	39.2	153.3	40,500	45.3	157.4	38,700	125
130										11.2	115.0	41,800	25.7	136.4	40,100	34.3	146.4	38,400	41.1	152.0	36,700	130
135													17.6	123.3	38,100	28.7	138.0	36,500	36.4	145.6	34,900	135
140																21.8	127.0	34,700	31.2	137.9	33,200	140
145																11.3	109.4	32,900	24.9	128.2	31,600	145
150																			16.6	114.5	30,000	150

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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	121,000																60
65	61.3	196.0	97,700*	66.0	199.4	109,000																65
70	58.3	193.0	88,200*	63.1	196.9	99,000	65.9	198.5	96,700													70
75	55.1	189.7	80,300*	60.1	194.1	90,600	63.0	196.0	88,400													75
80	51.9	185.9	73,500*	57.0	191.0	83,400	60.0	193.2	81,400													80
85	48.4	181.6	67,700*	53.8	187.5	77,200	56.9	190.1	75,300	61.7	193.0	72,200										85
90	44.8	176.8	62,600*	50.5	183.5	71,200*	53.7	186.5	70,000	58.6	190.0	67,100										90
95	40.9	171.2	58,200*	47.0	179.0	65,600*	50.4	182.5	65,300	55.5	186.7	62,600										95
100	36.7	164.9	54,200*	43.3	173.9	60,800*	46.9	178.0	61,100	52.3	183.0	58,600	57.2	186.0	56,100							100
105	32.0	157.4	50,700*	39.3	168.1	56,600*	43.1	172.9	57,400	48.9	178.8	55,000	54.0	182.5	52,700							105
110	26.6	148.2	47,500*	34.9	161.3	52,800*	39.1	167.0	54,100	45.3	174.0	51,800	50.7	178.5	49,600							110
115	19.8	136.2	44,600*	30.0	153.2	49,400*	34.7	160.2	51,000	41.4	168.6	48,900	47.2	174.1	46,800	52.3	177.3	44,700				115
120	8.6	115.4	38,500*	24.1	143.2	46,400*	29.7	152.0	48,200	37.3	162.3	46,200	43.5	169.0	44,200	48.9	173.1	42,300				120
125				16.3	129.1	43,600*	23.8	141.8	45,700	32.6	155.0	43,800	39.5	163.2	41,900	45.3	168.3	40,000				125
130							15.9	127.4	43,300	27.3	146.1	41,500	35.1	156.5	39,700	41.4	162.9	38,000	46.8	166.6	36,200	130
135										20.7	134.5	39,400	30.2	148.5	37,700	37.3	156.7	36,100	43.1	161.4	34,400	135
140										10.7	115.9	37,500	24.4	138.5	35,900	32.7	149.3	34,300	39.1	155.5	32,700	140
145													16.8	124.7	34,200	27.3	140.4	32,700	34.7	148.7	31,200	145
150																20.8	128.9	31,100	29.7	140.6	29,700	150
155																10.8	110.3	29,600	23.7	130.3	28,300	155
160																			15.8	115.8	27,000	160

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M-250

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	120,600																60
65	63.9	207.3	97,400*	68.1	210.3	108,600																65
70	61.2	204.7	87,900*	65.5	208.1	98,600	68.0	209.4	96,200													70
75	58.4	201.7	80,000*	62.8	205.6	90,200	65.4	207.2	88,000													75
80	55.5	198.4	73,200*	60.1	202.8	83,000	62.7	204.7	81,000													80
85	52.6	194.7	67,300*	57.3	199.7	76,800	60.0	201.9	74,900													85
90	49.5	190.5	62,200*	54.4	196.2	70,800*	57.2	198.7	69,600	61.5	201.6	66,600										90
95	46.2	185.9	57,800*	51.4	192.3	65,300*	54.2	195.2	64,900	58.8	198.7	62,100										95
100	42.8	180.7	53,800*	48.2	188.0	60,400*	51.2	191.4	60,700	55.9	195.4	58,100										100
105	39.1	174.8	50,300*	44.9	183.2	56,200*	48.1	187.0	57,000	52.9	191.8	54,600	57.4	194.7	52,200							105
110	35.1	168.1	47,100*	41.4	177.7	52,400*	44.7	182.1	53,700	49.9	187.7	51,400	54.5	191.2	49,100							110
115	30.6	160.1	44,200*	37.5	171.5	49,000*	41.2	176.7	50,600	46.6	183.1	48,400	51.5	187.4	46,300							115
120	25.4	150.5	41,600*	33.4	164.3	46,000*	37.4	170.4	47,900	43.2	178.0	45,800	48.4	183.1	43,700	53.0	186.1	41,700				120
125	18.9	137.8	39,200*	28.6	155.8	43,200*	33.2	163.2	45,300	39.6	172.2	43,400	45.0	178.2	41,400	49.9	182.0	39,500				125
130	8.2	116.1	34,100*	23.0	145.2	40,700*	28.4	154.6	43,000	35.6	165.6	41,100	41.5	172.8	39,300	46.7	177.4	37,400				130
135				15.6	130.4	38,400*	22.7	143.8	40,600*	31.2	157.8	39,100	37.7	166.7	37,300	43.2	172.3	35,600	48.0	175.6	33,900	135
140							15.1	128.7	38,300*	26.1	148.4	37,200	33.6	159.5	35,500	39.6	166.5	33,800	44.7	170.7	32,200	140
145										19.8	136.2	35,400	28.9	151.1	33,800	35.6	159.9	32,200	41.1	165.2	30,600	145
150										10.2	116.7	33,700	23.3	140.6	32,200	31.2	152.1	30,700	37.3	158.9	29,200	150
155													16.0	126.1	30,700	26.1	142.7	29,300	33.1	151.7	27,800	155
160																19.9	130.6	27,900	28.4	143.1	26,600	160
165																10.3	111.2	26,600	22.7	132.3	25,400	165
170																			15.0	117.1	24,200	170

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M-250

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	108,300																65
70	63.6	216.0	88,500*	67.5	219.0	98,300																70
75	61.1	213.3	80,400*	65.1	216.8	89,900	67.4	218.1	87,700													75
80	58.5	210.4	73,600*	62.6	214.2	82,700	65.0	215.9	80,700													80
85	55.9	207.1	67,600*	60.1	211.5	76,500	62.5	213.3	74,600													85
90	53.2	203.4	62,500*	57.5	208.4	71,100	60.0	210.5	69,300													90
95	50.3	199.4	57,900*	54.8	204.9	65,500*	57.4	207.4	64,600	61.4	210.3	61,900										95
100	47.4	195.0	53,900*	52.1	201.1	60,600*	54.7	204.0	60,500	58.9	207.4	57,900										100
105	44.3	190.0	50,400*	49.2	197.0	56,300*	51.9	200.2	56,800	56.2	204.1	54,300										105
110	41.0	184.5	47,200*	46.2	192.3	52,500*	49.1	196.0	53,500	53.5	200.5	51,100	57.6	203.3	48,800							110
115	37.5	178.2	44,300*	43.0	187.1	49,100*	46.0	191.3	50,400	50.7	196.5	48,200	55.0	199.9	46,000							115
120	33.6	171.1	41,700*	39.6	181.3	46,000*	42.9	186.1	47,700	47.8	192.2	45,600	52.2	196.2	43,500							120
125	29.3	162.7	39,300*	36.0	174.8	43,200*	39.5	180.3	45,200	44.7	187.3	43,200	49.3	192.0	41,200							125
130	24.4	152.6	37,100*	32.0	167.2	40,700*	35.8	173.7	42,900	41.4	181.8	41,000	46.3	187.4	39,100	50.7	190.9	37,200				130
135	18.1	139.4	35,000*	27.5	158.2	38,400*	31.8	166.0	40,600*	37.9	175.7	38,900	43.2	182.2	37,100	47.8	186.5	35,300				135
140	7.9	116.7	30,500*	22.1	147.1	36,300*	27.2	157.0	38,300*	34.1	168.6	37,000	39.8	176.5	35,300	44.7	181.6	33,600				140
145				14.9	131.7	34,300*	21.8	145.7	36,200*	29.9	160.5	35,300	36.2	169.9	33,600	41.4	176.1	32,000	46.0	179.9	30,400	145
150							14.5	130.0	34,200*	25.0	150.6	33,600	32.2	162.4	32,100	38.0	170.0	30,500	42.8	174.7	29,000	150
155										19.0	137.9	32,100	27.7	153.5	30,600	34.2	163.0	29,100	39.4	168.8	27,600	155
160										9.8	117.5	30,600	22.4	142.5	29,200	29.9	154.8	27,800	35.8	162.2	26,400	160
165													15.4	127.4	27,900	25.1	145.0	26,600	31.8	154.5	25,200	165
170																19.0	132.2	25,400	27.2	145.5	24,100	170
175																9.8	112.0	24,200	21.8	134.2	23,000	175
180																			14.4	118.4	22,000	180

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M-250

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	97,900																70
75	63.4	224.7	80,000*	67.0	227.8	89,500																75
80	61.0	222.0	73,100*	64.7	225.5	82,300	66.9	226.9	80,300													80
85	58.6	219.0	67,200*	62.4	222.9	76,100	64.6	224.6	74,200													85
90	56.2	215.8	62,000*	60.1	220.1	70,700*	62.3	222.0	68,900													90
95	53.7	212.2	57,500*	57.7	217.0	65,100*	60.0	219.2	64,200													95
100	51.1	208.3	53,500*	55.2	213.6	60,200*	57.6	216.1	60,100	61.3	219.0	57,400										100
105	48.4	204.0	49,900*	52.7	209.9	55,900*	55.1	212.7	56,400	58.9	216.0	53,900										105
110	45.6	199.2	46,700*	50.0	205.9	52,100*	52.5	209.0	53,000	56.5	212.8	50,700										110
115	42.6	193.9	43,800*	47.3	201.4	48,600*	49.9	204.9	50,000	54.0	209.3	47,800	57.8	212.0	45,500							115
120	39.4	188.1	41,200*	44.4	196.4	45,600*	47.1	200.4	47,300	51.4	205.4	45,100	55.3	208.6	43,000							120
125	36.1	181.5	38,800*	41.4	190.9	42,800*	44.3	195.4	44,800	48.7	201.1	42,700	52.8	205.0	40,700							125
130	32.4	174.0	36,600*	38.1	184.8	40,200*	41.2	189.9	42,500	45.9	196.4	40,500	50.2	200.9	38,600							130
135	28.2	165.3	34,600*	34.6	177.9	37,900*	38.0	183.7	40,100*	43.0	191.2	38,500	47.4	196.4	36,600	51.4	199.7	34,800				135
140	23.5	154.7	32,700*	30.8	169.9	35,800*	34.5	176.8	37,800*	39.8	185.5	36,600	44.5	191.5	34,800	48.7	195.4	33,100				140
145	17.4	140.9	31,000*	26.4	160.6	33,900*	30.6	168.8	35,700*	36.5	179.0	34,900	41.5	186.1	33,200	45.9	190.7	31,500				145
150	7.6	117.3	27,000*	21.3	149.0	32,100*	26.2	159.3	33,800*	32.8	171.6	33,300	38.3	180.0	31,600	43.0	185.5	30,000	47.1	188.9	28,500	150
155				14.4	132.9	30,400*	21.0	147.6	32,000*	28.8	163.0	31,700	34.8	173.1	30,200	39.9	179.8	28,600	44.2	184.0	27,100	155
160							14.0	131.2	30,300*	24.1	152.7	30,300	31.0	165.2	28,800	36.5	173.3	27,300	41.2	178.4	25,900	160
165										18.3	139.5	29,000	26.7	155.9	27,500	32.9	165.9	26,100	37.9	172.3	24,700	165
170										9.4	118.3	27,700	21.5	144.4	26,300	28.8	157.4	25,000	34.4	165.3	23,600	170
175													14.8	128.7	25,200	24.1	147.1	23,900	30.6	157.3	22,600	175
180																18.3	133.8	22,800	26.2	147.8	21,600	180
185																9.5	112.8	21,800	20.9	136.0	20,700	185
190																			13.9	119.6	19,800	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	89,100																75
80	63.1	233.4	73,800*	66.5	236.5	81,900																80
85	61.0	230.7	67,800*	64.4	234.1	75,700	66.4	235.6	73,700													85
90	58.7	227.7	62,600*	62.3	231.6	70,300	64.3	233.2	68,400													90
95	56.5	224.5	58,000*	60.1	228.8	65,500	62.2	230.7	63,800													95
100	54.1	220.9	53,900*	57.8	225.7	60,700*	60.0	227.9	59,600													100
105	51.7	217.1	50,300*	55.5	222.4	56,400*	57.7	224.8	55,900	61.2	227.6	53,400										105
110	49.2	212.9	47,100*	53.2	218.7	52,500*	55.4	221.4	52,600	59.0	224.7	50,200										110
115	46.6	208.3	44,100*	50.7	214.7	49,000*	53.1	217.7	49,600	56.7	221.5	47,300										115
120	43.9	203.3	41,500*	48.2	210.4	45,900*	50.6	213.7	46,900	54.4	218.0	44,700	57.9	220.7	42,500							120
125	41.1	197.7	39,100*	45.6	205.6	43,100*	48.1	209.4	44,400	52.0	214.2	42,300	55.7	217.4	40,200							125
130	38.0	191.5	36,800*	42.8	200.4	40,500*	45.4	204.6	42,100	49.5	210.0	40,100	53.3	213.7	38,100							130
135	34.8	184.6	34,800*	39.9	194.6	38,200*	42.7	199.3	40,000	47.0	205.5	38,100	50.9	209.8	36,200							135
140	31.2	176.8	32,900*	36.8	188.2	36,000*	39.7	193.5	38,000	44.3	200.5	36,200	48.3	205.4	34,400	52.0	208.5	32,600				140
145	27.2	167.7	31,100*	33.4	180.9	34,100*	36.6	187.1	36,000*	41.4	195.0	34,500	45.7	200.7	32,700	49.5	204.4	31,000				145
150	22.6	156.7	29,400*	29.7	172.6	32,200*	33.2	179.8	34,000*	38.4	189.0	32,800	42.9	195.5	31,200	47.0	199.8	29,500				150
155	16.8	142.3	27,400*	25.5	162.8	30,500*	29.5	171.4	32,100*	35.2	182.1	31,300	40.0	189.7	29,700	44.3	194.8	28,200				155
160	7.3	117.9	22,700*	20.5	150.8	28,800*	25.3	161.5	30,400*	31.7	174.4	29,900	36.9	183.3	28,400	41.4	189.4	26,900	45.4	193.1	25,400	160
165				13.9	134.1	27,200*	20.3	149.3	28,700*	27.8	165.5	28,600	33.6	176.1	27,100	38.4	183.3	25,700	42.6	187.9	24,200	165
170							13.5	132.3	27,100*	23.2	154.8	27,400	29.9	167.9	25,900	35.2	176.5	24,500	39.7	182.1	23,200	170
175										17.6	141.0	26,200	25.7	158.2	24,800	31.7	168.8	23,500	36.6	175.6	22,100	175
180										9.0	119.1	25,000	20.8	146.3	23,700	27.8	159.8	22,400	33.2	168.3	21,200	180
185													14.3	129.9	22,700	23.3	149.1	21,500	29.5	159.9	20,300	185
190																17.7	135.4	20,600	25.2	150.0	19,400	190
195																9.1	113.6	19,600	20.2	137.8	18,500	195
200																			13.4	120.7	17,700	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	81,500																80
85	62.9	242.0	67,300*	66.1	245.2	75,300	68.0	246.5	73,300													85
90	60.9	239.3	62,100*	64.1	242.8	69,900	66.0	244.3	68,000													90
95	58.8	236.4	57,500*	62.1	240.2	65,100	64.1	241.9	63,300													95
100	56.7	233.2	53,400*	60.1	237.4	60,200*	62.0	239.3	59,200													100
105	54.5	229.7	49,800*	58.0	234.4	55,800*	60.0	236.5	55,500													105
110	52.3	225.9	46,500*	55.8	231.1	52,000*	57.9	233.4	52,200	61.1	236.3	49,700										110
115	49.9	221.8	43,600*	53.6	227.5	48,500*	55.7	230.1	49,200	59.1	233.4	46,800										115
120	47.5	217.3	40,900*	51.4	223.6	45,400*	53.5	226.5	46,400	57.0	230.2	44,200										120
125	45.1	212.5	38,500*	49.0	219.3	42,500*	51.2	222.6	43,900	54.8	226.7	41,800										125
130	42.4	207.2	36,300*	46.6	214.7	40,000*	48.9	218.3	41,700	52.5	223.0	39,600	55.9	226.1	37,600							130
135	39.7	201.3	34,300*	44.0	209.7	37,600*	46.5	213.7	39,600	50.2	218.9	37,600	53.7	222.5	35,700							135
140	36.8	194.9	32,400*	41.4	204.2	35,500*	43.9	208.7	37,600*	47.8	214.5	35,700	51.5	218.6	33,900							140
145	33.6	187.7	30,700*	38.6	198.1	33,500*	41.2	203.1	35,400*	45.4	209.7	34,000	49.1	214.4	32,200	52.6	217.3	30,500				145
150	30.2	179.5	29,100*	35.5	191.4	31,700*	38.4	197.0	33,500*	42.8	204.5	32,400	46.7	209.8	30,700	50.2	213.2	29,000				150
155	26.4	170.0	27,500*	32.3	183.8	30,000*	35.4	190.3	31,600*	40.0	198.7	30,900	44.2	204.8	29,300	47.9	208.8	27,700				155
160	21.9	158.6	26,000*	28.7	175.2	28,400*	32.1	182.6	30,000*	37.1	192.3	29,500	41.5	199.3	27,900	45.4	204.0	26,400				160
165	16.3	143.8	24,200*	24.7	165.0	26,900*	28.5	173.9	28,400*	34.0	185.2	28,200	38.7	193.2	26,700	42.8	198.8	25,200	46.4	202.3	23,700	165
170	7.1	118.5	20,000*	19.8	152.5	25,500*	24.5	163.7	26,800*	30.6	177.2	27,000	35.7	186.5	25,500	40.1	193.0	24,000	43.9	197.2	22,600	170
175				13.4	135.3	24,100*	19.6	151.1	25,400*	26.8	167.9	25,800	32.5	179.0	24,400	37.2	186.6	23,000	41.2	191.7	21,600	175
180							13.0	133.5	24,000*	22.5	156.7	24,700	28.9	170.4	23,300	34.0	179.5	22,000	38.4	185.6	20,700	180
185										17.1	142.5	23,600	24.9	160.4	22,300	30.7	171.5	21,000	35.4	178.8	19,800	185
190										8.7	119.8	22,600	20.1	148.0	21,400	26.9	162.2	20,100	32.1	171.2	18,900	190
195													13.8	131.1	20,500	22.5	151.1	19,300	28.5	162.5	18,100	195
200																17.1	136.9	18,400	24.4	152.2	17,300	200
205																8.8	114.3	17,600	19.5	139.5	16,600	205
210																			12.9	121.8	15,800	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	73,100																80
85	64.7	253.2	67,700*	67.6	256.1	67,200																85
90	62.8	250.7	62,400*	65.8	253.9	62,100	67.5	255.2	59,600													90
95	60.8	248.0	57,700*	63.9	251.5	57,500	65.7	253.0	55,200													95
100	58.9	245.0	53,600*	62.0	248.9	53,500	63.8	250.6	51,300													100
105	56.9	241.8	49,900*	60.1	246.1	49,900	61.9	248.0	47,900													105
110	54.8	238.4	46,600*	58.1	243.0	46,700	60.0	245.2	44,700	63.0	247.6	41,500										110
115	52.7	234.7	43,600*	56.1	239.8	43,800	58.0	242.1	41,900	61.1	244.9	38,800										115
120	50.6	230.7	40,900*	54.0	236.2	41,100	56.0	238.8	39,300	59.1	242.0	36,400										120
125	48.3	226.3	38,500*	51.9	232.4	38,700	53.9	235.2	37,000	57.1	238.9	34,200										125
130	46.0	221.6	36,200*	49.7	228.2	36,500	51.8	231.4	34,900	55.1	235.4	32,100										130
135	43.6	216.5	34,200*	47.4	223.7	34,400	49.6	227.2	32,900	53.0	231.8	30,300	56.2	234.7	27,700							135
140	41.1	210.9	32,300*	45.1	218.9	32,600	47.3	222.7	31,100	50.8	227.8	28,600	54.1	231.2	26,100							140
145	38.4	204.8	30,500*	42.6	213.6	30,800	45.0	217.9	29,400	48.6	223.5	27,000	52.0	227.4	24,600							145
150	35.6	198.1	28,900*	40.1	207.8	29,200	42.5	212.6	27,800	46.3	218.8	25,500	49.8	223.3	23,200	53.0	226.1	21,000				150
155	32.6	190.6	27,400*	37.3	201.5	27,700	39.9	206.8	26,300	43.9	213.8	24,100	47.5	218.8	21,900	50.9	222.1	19,800				155
160	29.3	182.1	25,900*	34.4	194.5	26,200	37.2	200.4	25,000	41.4	208.3	22,800	45.2	214.0	20,700	48.6	217.8	18,600				160
165	25.5	172.3	24,500*	31.3	186.6	24,900	34.3	193.3	23,700	38.8	202.2	21,600	42.8	208.7	19,600	46.3	213.1	17,600				165
170	21.2	160.5	23,200*	27.8	177.6	23,700	31.1	185.4	22,500	36.0	195.6	20,500	40.2	203.0	18,500	43.9	208.1	16,600	47.3	211.3	14,700	170
175	15.8	145.1	21,600*	23.9	167.1	22,500	27.7	176.4	21,300	33.0	188.2	19,400	37.5	196.6	17,500	41.4	202.6	15,600	45.0	206.4	13,800	175
180	6.8	119.1	17,800*	19.2	154.2	21,300	23.7	165.8	20,200	29.7	179.8	18,400	34.6	189.7	16,500	38.8	196.6	14,700	42.5	201.1	13,000	180
185				13.0	136.4	20,200	19.0	152.7	19,200	26.0	170.2	17,400	31.5	181.8	15,600	36.0	189.9	13,900	39.9	195.3	12,200	185
190							12.6	134.5	18,200	21.8	158.7	16,500	28.0	172.9	14,800	33.0	182.5	13,100	37.2	188.9	11,400	190
195										16.5	143.9	15,600	24.1	162.5	13,900	29.7	174.2	12,300	34.3	181.9	10,700	195
200										8.5	120.5	14,700	19.5	149.7	13,200	26.0	164.5	11,600	31.1	174.0	10,000	200
205													13.4	132.3	12,400	21.8	153.0	10,900	27.6	164.9	9,400	205
210																16.6	138.3	10,200	23.7	154.3	8,800	210
215																8.5	115.0	9,500	18.9	141.2	8,100	215
220																			12.5	122.9	7,500	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	72,500																80
85	66.2	264.3	65,300*	68.9	266.9	66,700																85
90	64.4	261.9	61,800*	67.2	264.8	61,500																90
95	62.6	259.4	57,200*	65.5	262.6	57,000	67.1	264.0	54,600													95
100	60.8	256.6	53,000*	63.7	260.2	53,000	65.4	261.7	50,700													100
105	59.0	253.7	49,300*	61.9	257.6	49,400	63.6	259.3	47,300													105
110	57.1	250.5	46,000*	60.1	254.8	46,200	61.8	256.7	44,200													110
115	55.1	247.1	43,100*	58.2	251.7	43,200	60.0	253.8	41,300	62.8	256.3	38,200										115
120	53.2	243.4	40,400*	56.3	248.4	40,600	58.1	250.8	38,800	61.0	253.6	35,800										120
125	51.1	239.5	37,900*	54.4	244.9	38,200	56.2	247.5	36,400	59.2	250.7	33,500										125
130	49.0	235.3	35,700*	52.4	241.2	36,000	54.3	244.0	34,300	57.3	247.5	31,500										130
135	46.9	230.7	33,600*	50.3	237.1	33,900	52.3	240.2	32,300	55.4	244.2	29,700										135
140	44.7	225.7	31,700*	48.2	232.7	32,000	50.2	236.1	30,500	53.4	240.5	28,000	56.4	243.4	25,400							140
145	42.3	220.4	30,000*	46.0	228.0	30,300	48.1	231.7	28,800	51.4	236.6	26,400	54.5	239.9	24,000							145
150	39.9	214.6	28,400*	43.7	222.9	28,700	45.9	227.0	27,200	49.3	232.4	24,900	52.5	236.2	22,600							150
155	37.3	208.2	26,900*	41.4	217.4	27,200	43.6	221.9	25,800	47.2	227.9	23,500	50.4	232.1	21,300							155
160	34.6	201.2	25,400*	38.9	211.4	25,700	41.3	216.3	24,400	44.9	223.0	22,200	48.3	227.8	20,100	51.4	230.9	18,000				160
165	31.6	193.4	24,100*	36.2	204.8	24,400	38.8	210.3	23,100	42.6	217.7	21,000	46.1	223.1	18,900	49.3	226.7	16,900				165
170	28.4	184.6	22,800*	33.4	197.5	23,200	36.1	203.7	21,900	40.2	211.9	19,900	43.9	218.0	17,900	47.2	222.2	15,900				170
175	24.8	174.5	21,600*	30.4	189.3	22,000	33.3	196.3	20,800	37.6	205.7	18,800	41.5	212.5	16,900	44.9	217.3	15,000				175
180	20.6	162.3	20,500*	27.0	180.0	20,900	30.2	188.1	19,700	34.9	198.7	17,800	39.0	206.5	15,900	42.6	212.0	14,100	45.9	215.6	12,300	180
185	15.3	146.5	19,000*	23.2	169.2	19,800	26.9	178.8	18,700	32.0	191.1	16,900	36.4	199.9	15,000	40.2	206.3	13,200	43.6	210.4	11,500	185
190	6.6	119.6	15,600*	18.7	155.8	18,800	23.0	167.8	17,700	28.8	182.4	15,900	33.6	192.7	14,200	37.7	200.0	12,400	41.2	204.9	10,800	190
195				12.6	137.5	17,800	18.4	154.3	16,800	25.3	172.4	15,100	30.5	184.6	13,400	34.9	193.1	11,700	38.7	198.8	10,100	195
200							12.3	135.6	15,900	21.2	160.5	14,300	27.2	175.3	12,600	32.0	185.4	11,000	36.1	192.2	9,400	200
205										16.1	145.3	13,500	23.4	164.6	11,900	28.8	176.7	10,300	33.3	184.9	8,700	205
210										8.2	121.2	12,600	18.9	151.4	11,200	25.3	166.8	9,600	30.2	176.7	8,100	210
215													13.0	133.4	10,400	21.2	154.9	9,000	26.8	167.3	7,600	215
220																16.1	139.7	8,400	23.0	156.3	7,000	220
225																8.3	115.7	7,700	18.4	142.8	6,400	225
230																			12.2	123.9	5,900	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	61,000																90
95	64.2	270.6	55,800*	66.8	273.6	56,500																95
100	62.5	268.0	52,500*	65.2	271.3	52,400	66.8	272.7	50,200													100
105	60.8	265.3	48,800*	63.5	268.9	48,900	65.1	270.4	46,700													105
110	59.0	262.4	45,500*	61.8	266.2	45,600	63.4	268.0	43,600													110
115	57.2	259.2	42,600*	60.1	263.4	42,700	61.7	265.3	40,800													115
120	55.4	255.8	39,900*	58.3	260.4	40,100	60.0	262.5	38,200	62.7	265.0	35,200										120
125	53.5	252.2	37,400*	56.5	257.1	37,700	58.2	259.5	35,900	61.0	262.3	33,000										125
130	51.6	248.3	35,200*	54.7	253.7	35,400	56.4	256.2	33,700	59.2	259.3	31,000										130
135	49.7	244.2	33,100*	52.8	249.9	33,400	54.6	252.7	31,800	57.4	256.2	29,100										135
140	47.7	239.7	31,200*	50.9	246.0	31,500	52.7	249.0	30,000	55.6	252.9	27,400										140
145	45.6	234.9	29,500*	48.9	241.7	29,800	50.8	245.0	28,300	53.8	249.3	25,800	56.6	252.1	23,400							145
150	43.4	229.7	27,900*	46.8	237.1	28,200	48.8	240.7	26,700	51.9	245.4	24,300	54.8	248.7	22,000							150
155	41.1	224.2	26,400*	44.7	232.2	26,700	46.7	236.1	25,300	49.9	241.3	23,000	52.9	245.0	20,700							155
160	38.8	218.1	24,900*	42.5	226.8	25,200	44.6	231.1	23,900	47.9	236.9	21,700	51.0	241.0	19,500							160
165	36.3	211.5	23,600*	40.2	221.1	23,900	42.4	225.8	22,600	45.8	232.1	20,500	49.0	236.7	18,400	51.9	239.7	16,300				165
170	33.6	204.3	22,400*	37.8	214.8	22,700	40.1	220.0	21,400	43.7	227.0	19,300	46.9	232.1	17,300	49.9	235.6	15,300				170
175	30.7	196.2	21,200*	35.2	208.0	21,500	37.7	213.7	20,300	41.4	221.5	18,300	44.8	227.2	16,300	47.9	231.2	14,400				175
180	27.6	187.1	20,100*	32.5	200.4	20,400	35.1	206.8	19,200	39.1	215.5	17,300	42.6	221.9	15,400	45.8	226.4	13,500				180
185	24.1	176.6	19,000*	29.5	192.0	19,400	32.4	199.3	18,200	36.6	209.0	16,300	40.3	216.2	14,500	43.7	221.3	12,700	46.7	224.6	10,900	185
190	20.0	164.0	18,000*	26.3	182.4	18,400	29.4	190.8	17,300	33.9	201.8	15,400	37.9	210.0	13,600	41.4	215.8	11,900	44.6	219.7	10,200	190
195	14.9	147.7	16,600*	22.6	171.2	17,400	26.1	181.1	16,400	31.1	193.8	14,600	35.4	203.1	12,800	39.1	209.8	11,100	42.4	214.3	9,500	195
200	6.4	120.2	13,500*	18.2	157.4	16,500	22.4	169.8	15,500	28.0	184.9	13,800	32.6	195.6	12,100	36.6	203.3	10,400	40.1	208.6	8,800	200
205				12.3	138.5	15,600	17.9	155.9	14,700	24.6	174.6	13,000	29.7	187.2	11,400	34.0	196.1	9,700	37.7	202.3	8,200	205
210							11.9	136.6	13,800	20.6	162.3	12,300	26.4	177.7	10,700	31.1	188.2	9,100	35.1	195.4	7,600	210
215										15.6	146.7	11,500	22.8	166.6	10,000	28.0	179.2	8,500	32.3	187.8	7,000	215
220										8.0	121.9	10,800	18.4	153.0	9,400	24.6	168.9	7,900	29.4	179.3	6,400	220
225													12.6	134.5	8,700	20.6	156.7	7,300	26.1	169.6	5,900	225
230																15.6	141.1	6,700	22.3	158.3	5,400	230
235																8.1	116.4	6,200	17.9	144.3	4,900	235
240																			11.8	125.0	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	55,900																95
100	64.0	279.3	49,000*	66.5	282.3	51,900	68.0	283.6	49,600													100
105	62.4	276.7	46,500*	64.9	280.0	48,300	66.4	281.4	46,100													105
110	60.7	274.0	44,200*	63.3	277.5	45,100	64.8	279.1	43,000													110
115	59.1	271.0	41,900*	61.7	274.9	42,200	63.3	276.6	40,200													115
120	57.4	267.9	39,300*	60.1	272.1	39,500	61.6	274.0	37,600													120
125	55.6	264.5	36,900*	58.4	269.0	37,100	60.0	271.2	35,300	62.6	273.7	32,300										125
130	53.9	260.9	34,600*	56.7	265.8	34,900	58.3	268.1	33,200	60.9	270.9	30,300										130
135	52.1	257.1	32,600*	54.9	262.4	32,900	56.6	264.9	31,200	59.3	268.0	28,500										135
140	50.2	253.0	30,700*	53.2	258.7	31,000	54.9	261.4	29,400	57.6	264.9	26,800										140
145	48.3	248.7	28,900*	51.3	254.8	29,200	53.1	257.7	27,700	55.9	261.6	25,200										145
150	46.4	244.0	27,300*	49.5	250.6	27,600	51.3	253.8	26,100	54.1	258.0	23,700	56.8	260.8	21,300							150
155	44.3	239.0	25,800*	47.6	246.1	26,100	49.4	249.6	24,700	52.3	254.2	22,300	55.0	257.4	20,000							155
160	42.2	233.6	24,400*	45.6	241.3	24,700	47.5	245.1	23,300	50.5	250.2	21,100	53.3	253.7	18,800							160
165	40.0	227.8	23,100*	43.5	236.2	23,400	45.5	240.3	22,100	48.6	245.8	19,900	51.4	249.8	17,700							165
170	37.7	221.5	21,900*	41.4	230.6	22,200	43.4	235.1	20,900	46.6	241.2	18,700	49.6	245.6	16,700	52.3	248.5	14,600				170
175	35.3	214.7	20,700*	39.1	224.6	21,000	41.3	229.6	19,700	44.6	236.3	17,700	47.6	241.2	15,700	50.5	244.5	13,700				175
180	32.7	207.2	19,600*	36.8	218.2	19,900	39.0	223.6	18,700	42.5	230.9	16,700	45.7	236.4	14,700	48.6	240.1	12,800				180
185	29.9	198.9	18,600*	34.3	211.1	18,900	36.7	217.1	17,700	40.3	225.2	15,800	43.6	231.3	13,900	46.6	235.5	12,000				185
190	26.9	189.5	17,600*	31.6	203.2	17,900	34.2	209.9	16,700	38.0	219.0	14,900	41.5	225.7	13,000	44.6	230.6	11,200	47.4	233.7	9,500	190
195	23.5	178.7	16,600*	28.8	194.5	16,900	31.5	202.1	15,800	35.6	212.2	14,000	39.3	219.8	12,200	42.5	225.2	10,500	45.5	228.9	8,800	195
200	19.5	165.7	15,700*	25.6	184.6	16,000	28.6	193.3	15,000	33.1	204.8	13,200	36.9	213.3	11,500	40.3	219.5	9,800	43.4	223.7	8,100	200
205	14.5	149.0	14,400*	22.0	173.1	15,200	25.4	183.4	14,200	30.3	196.5	12,500	34.4	206.2	10,800	38.0	213.3	9,100	41.2	218.1	7,500	205
210	6.3	120.7	11,600*	17.7	159.0	14,400	21.8	171.7	13,400	27.3	187.3	11,700	31.8	198.5	10,100	35.6	206.5	8,500	39.0	212.1	6,900	210
215				11.9	139.5	13,600	17.5	157.4	12,600	23.9	176.7	11,000	28.9	189.8	9,400	33.1	199.1	7,900	36.7	205.6	6,300	215
220							11.6	137.6	11,900	20.0	164.1	10,300	25.8	180.0	8,800	30.3	190.9	7,300	34.2	198.5	5,800	220
225										15.2	148.0	9,700	22.2	168.5	8,200	27.3	181.7	6,700	31.5	190.6	5,300	225
230										7.8	122.5	9,000	17.9	154.5	7,600	23.9	171.1	6,200	28.6	181.8	4,800	230
235													12.3	135.5	7,000	20.1	158.4	5,700	25.4	171.9	4,300	235
240																15.2	142.4	5,100				240
245																7.8	117.1	4,600				245

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M-250

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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																			50
55	52.5	164.9	119,500*	65.9	172.7	155,300b																55
				61.3	170.1	136,800b	66.2	172.0	133,400b													
60	47.1	160.5	105,900*	56.5	167.0	122,000b	61.6	169.4	119,000b													60
65	41.1	155.2	94,900*	51.4	163.2	110,000	56.8	166.3	107,300b													65
70	34.2	148.5	85,900*	45.8	158.6	100,000	51.7	162.6	97,600	60.4	166.6	93,500b										70
75	25.8	139.4	78,200*	39.7	153.0	91,500	46.1	158.0	89,300	55.5	163.4	85,600										75
80	12.6	124.1	71,700*	32.5	145.9	84,100*	40.0	152.5	82,300	50.3	159.4	78,900										80
85				23.5	136.0	76,700*	33.0	145.5	76,200	44.6	154.7	73,000	53.9	159.4	69,900							85
90				6.3	115.8	70,400*	24.1	135.9	70,800	38.3	148.8	67,900	48.6	155.3	65,000							90
95							8.4	117.5	65,900	30.9	141.2	63,300	42.8	150.2	60,700	52.0	154.5	58,000				95
100										21.2	130.5	59,300	36.2	143.9	56,800	46.5	150.0	54,300				100
105													28.2	135.6	53,300	40.5	144.6	51,000				105
110													17.1	123.0	50,100	33.5	137.7	48,000	44.0	143.6	45,800	110
115																24.8	128.3	45,200	37.6	137.6	43,200	115
120																10.4	111.5	42,600	30.1	129.9	40,900	120
125																			20.0	118.6	38,600	125

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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	154,900b																50
55	57.9	177.2	120,200*	65.2	181.4	136,400b																55
60	53.5	173.7	106,500*	61.2	178.8	121,700b	65.4	180.7	118,600b													60
65	48.9	169.5	95,400*	56.9	175.7	109,700	61.4	178.1	106,900b													65
70	43.8	164.6	86,200*	52.5	172.0	99,700	57.2	175.0	97,200													70
75	38.3	158.7	78,600*	47.8	167.7	91,300	52.8	171.4	89,000	60.3	175.3	85,200										75
80	31.9	151.3	72,000*	42.7	162.6	84,100	48.1	167.1	82,000	56.1	172.1	78,400										80
85	24.0	141.5	66,400*	36.9	156.4	77,100*	43.0	162.0	75,900	51.6	168.3	72,600										85
90	11.7	125.1	61,400*	30.3	148.6	70,700*	37.3	155.9	70,500	46.8	163.8	67,500	54.7	168.2	64,500							90
95				21.9	138.0	65,200*	30.7	148.2	65,800	41.5	158.5	63,000	50.1	164.2	60,200							95
100				5.8	116.2	60,400*	22.4	137.8	61,600	35.7	152.0	59,000	45.2	159.5	56,400							100
105							7.8	118.1	57,700	28.8	143.8	55,400	39.8	153.9	52,900	48.4	159.1	50,500				105
110										19.7	132.2	52,100	33.7	146.9	49,800	43.3	154.1	47,500				110
115													26.3	138.0	47,000	37.7	148.0	44,800	46.3	152.8	42,700	115
120													15.9	124.4	44,400	31.2	140.5	42,400	41.0	147.4	40,400	120
125																23.1	130.3	40,100	35.1	140.8	38,200	125
130																9.7	112.3	37,900	28.0	132.3	36,300	130
135																			18.6	120.2	34,400	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	136,000b																55
60	58.1	185.9	106,900*	64.6	190.1	121,300																60
65	54.3	182.5	95,700*	61.0	187.4	109,300	64.8	189.4	106,500													65
70	50.2	178.5	86,500*	57.3	184.4	99,400	61.2	186.7	96,800													70
75	45.9	173.8	78,800*	53.4	180.8	91,000	57.5	183.7	88,600													75
80	41.2	168.4	72,200*	49.3	176.7	83,800	53.6	180.2	81,600	60.3	183.9	78,000										80
85	36.0	162.0	66,500*	44.9	171.9	77,300*	49.5	176.1	75,500	56.5	180.8	72,200										85
90	30.0	154.0	61,500*	40.1	166.3	70,900*	45.1	171.3	70,200	52.6	177.1	67,100										90
95	22.6	143.5	57,200*	34.7	159.5	65,400*	40.3	165.7	65,600	48.4	172.8	62,700	55.3	176.9	59,800							95
100	11.0	126.0	53,300*	28.5	151.1	60,600*	35.0	159.1	61,400	43.9	167.9	58,700	51.3	173.1	56,000							100
105				20.6	139.7	56,300*	28.9	150.8	57,700	39.0	162.1	55,100	47.0	168.6	52,500							105
110				5.5	116.6	52,500*	21.1	139.7	54,300	33.5	155.0	51,900	42.5	163.4	49,500	49.8	168.0	47,100				110
115							7.3	118.7	51,100	27.0	146.2	48,900	37.4	157.3	46,700	45.4	163.3	44,500				115
120										18.5	133.8	46,200	31.7	149.8	44,100	40.7	157.8	42,000	48.0	161.9	40,000	120
125													24.7	140.1	41,800	35.4	151.2	39,800	43.5	156.9	37,800	125
130													15.0	125.6	39,600	29.4	143.1	37,800	38.5	150.9	35,900	130
135																21.7	132.2	35,800	33.0	143.8	34,100	135
140																9.1	113.0	34,000	26.4	134.7	32,400	140
145																			17.5	121.7	30,800	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	75.3	206.6	156,000*																			38
40	74.1	206.0	152,800*																			40
45	71.1	204.3	143,900*																			45
50	68.0	202.4	132,600*																			50
55	64.9	200.1	120,800*	70.4	203.1	135,600b																55
60	61.7	197.6	106,900*	67.3	201.1	120,900																60
65	58.3	194.6	95,700*	64.2	198.8	108,900	67.5	200.4	106,100													65
70	54.9	191.2	86,500*	60.9	196.1	99,000	64.4	198.1	96,400													70
75	51.3	187.3	78,700*	57.6	193.0	90,600	61.1	195.4	88,200													75
80	47.4	182.9	72,100*	54.1	189.6	83,400	57.8	192.4	81,200													80
85	43.4	177.9	66,400*	50.4	185.6	77,200*	54.3	188.9	75,100	60.2	192.6	71,700										85
90	38.9	172.0	61,400*	46.5	181.0	70,800*	50.6	185.0	69,800	56.9	189.5	66,600										90
95	34.0	165.0	57,000*	42.4	175.8	65,200*	46.8	180.4	65,200	53.3	185.9	62,200										95
100	28.4	156.5	53,100*	37.9	169.7	60,400*	42.6	175.3	61,000	49.6	181.8	58,200	55.8	185.6	55,400							100
105	21.4	145.4	49,700*	32.8	162.5	56,100*	38.2	169.2	57,300	45.7	177.1	54,700	52.2	181.9	52,000							105
110	10.4	126.9	46,500*	27.0	153.5	52,400*	33.1	162.1	54,000	41.5	171.7	51,500	48.5	177.6	49,000							110
115				19.5	141.4	49,000*	27.3	153.2	50,900	36.9	165.4	48,600	44.5	172.8	46,200	50.9	176.9	43,900				115
120				5.1	117.0	45,800*	20.0	141.4	48,100	31.7	157.9	45,900	40.1	167.1	43,700	47.1	172.4	41,500				120
125							6.9	119.2	45,500	25.6	148.5	43,500	35.4	160.5	41,400	42.9	167.3	39,300				125
130										17.5	135.3	41,200	30.0	152.5	39,300	38.5	161.3	37,300	45.3	166.1	35,400	130
135													23.4	142.2	37,300	33.5	154.3	35,400	41.1	160.6	33,600	135
140													14.2	126.9	35,400	27.8	145.6	33,700	36.4	154.2	31,900	140
145																20.6	134.0	32,100	31.2	146.6	30,400	145
150																8.6	113.7	30,500	24.9	136.9	29,000	150
155																			16.6	123.2	27,600	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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	120,500																60
65	61.5	206.2	98,400*	66.7	209.8	108,500																65
70	58.5	203.2	88,900*	63.8	207.5	98,500	66.9	209.1	95,900													70
75	55.4	199.9	80,800*	60.8	204.8	90,200	64.0	206.7	87,700													75
80	52.1	196.1	74,000*	57.8	201.7	83,000	61.0	204.1	80,700													80
85	48.7	191.9	68,100*	54.6	198.3	76,800	58.0	201.0	74,700													85
90	45.1	187.1	63,000*	51.3	194.4	71,400	54.8	197.6	69,400	60.2	201.3	66,200										90
95	41.2	181.6	58,500*	47.9	190.1	66,600	51.5	193.8	64,800	57.2	198.1	61,700										95
100	37.0	175.4	54,500*	44.2	185.1	61,900*	48.1	189.5	60,600	54.0	194.6	57,800										100
105	32.4	167.9	50,900*	40.3	179.5	57,600*	44.4	184.6	56,900	50.6	190.7	54,200	56.2	194.3	51,500							105
110	27.0	158.9	47,700*	36.0	173.0	53,700*	40.5	179.0	53,600	47.2	186.2	51,000	53.0	190.7	48,500							110
115	20.3	147.1	44,800*	31.2	165.3	50,200*	36.3	172.5	50,600	43.4	181.1	48,200	49.6	186.6	45,800	51.8	185.7	41,000				115
120	9.9	127.7	40,100*	25.7	155.8	47,100*	31.5	164.9	47,800	39.5	175.3	45,500	46.0	181.9	43,300	48.3	181.4	38,800				120
125				18.5	143.0	44,300*	26.0	155.5	45,300	35.1	168.6	43,100	42.3	176.7	41,000	44.7	176.6	36,800				125
130				4.8	117.3	39,500*	19.0	143.0	43,000	30.2	160.6	40,900	38.2	170.6	38,900	40.8	171.1	35,000				130
135							6.5	119.7	40,700	24.3	150.6	38,900	33.7	163.5	36,900	40.8	171.1	35,000	46.8	175.2	33,100	135
140										16.7	136.7	36,900	28.5	155.0	35,100	36.6	164.7	33,300	43.1	170.1	31,500	140
145													22.3	144.1	33,400	31.9	157.1	31,700	39.1	164.2	30,000	145
150													13.5	128.0	31,800	26.4	147.9	30,200	34.7	157.4	28,500	150
155																19.6	135.7	28,800	29.7	149.2	27,200	155
160																8.1	114.4	27,400	23.7	139.0	26,000	160
165																			15.8	124.5	24,800	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	108,100																65
70	61.4	214.9	88,500*	66.1	218.6	98,100																70
75	58.6	211.9	80,500*	63.5	216.1	89,800	66.3	217.8	87,300													75
80	55.8	208.6	73,600*	60.8	213.4	82,600	63.6	215.4	80,300													80
85	52.8	204.9	67,700*	58.0	210.4	76,400	60.9	212.7	74,200													85
90	49.7	200.8	62,600*	55.1	207.0	71,000	58.1	209.7	69,000	62.9	212.7	65,700										90
95	46.5	196.2	58,100*	52.1	203.2	66,200	55.3	206.4	64,300	60.2	209.9	61,200										95
100	43.0	191.1	54,100*	49.0	199.0	61,600*	52.3	202.6	60,200	57.4	206.8	57,300										100
105	39.4	185.3	50,500*	45.7	194.3	57,200*	49.2	198.4	56,500	54.5	203.4	53,700										105
110	35.4	178.6	47,300*	42.2	189.0	53,300*	45.9	193.8	53,200	51.5	199.5	50,600	56.5	203.0	48,000							110
115	30.9	170.7	44,400*	38.5	183.0	49,800*	42.4	188.5	50,200	48.3	195.2	47,700	53.6	199.4	45,200							115
120	25.8	161.2	41,800*	34.4	176.1	46,700*	38.7	182.5	47,500	45.0	190.4	45,100	50.5	195.4	42,700							120
125	19.4	148.8	39,400*	29.9	167.9	43,900*	34.7	175.7	45,000	41.5	185.0	42,700	47.3	191.0	40,500	52.5	194.5	38,300				125
130	9.4	128.5	35,400*	24.5	158.0	41,300*	30.1	167.6	42,600	37.7	178.8	40,500	44.0	186.0	38,400	49.4	190.4	36,300				130
135				17.7	144.6	38,900*	24.9	157.7	40,500	33.5	171.6	38,500	40.4	180.4	36,500	46.1	185.7	34,500				135
140				4.6	117.7	34,900*	18.2	144.6	38,500	28.8	163.2	36,600	36.5	173.9	34,700	42.7	180.5	32,800	48.0	184.2	30,900	140
145							6.2	120.2	36,600*	23.3	152.6	34,900	32.2	166.4	33,000	39.0	174.6	31,200	44.7	179.4	29,400	145
150										15.9	138.1	33,200	27.2	157.4	31,500	35.0	167.8	29,700	41.1	173.9	28,000	150
155													21.3	146.0	30,000	30.5	159.9	28,300	37.3	167.6	26,700	155
160													12.9	129.1	28,600	25.3	150.1	27,000	33.1	160.4	25,500	160
165																18.7	137.4	25,800	28.4	151.7	24,300	165
170																7.7	115.0	24,600	22.7	141.0	23,200	170
175																			15.0	125.8	22,200	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	107,800																65
70	63.8	226.2	89,200*	68.1	229.5	97,900																70
75	61.3	223.5	81,000*	65.7	227.3	89,500																75
80	58.7	220.6	74,000*	63.2	224.8	82,300	65.8	226.5	80,000													80
85	56.1	217.3	68,000*	60.7	222.1	76,100	63.4	224.1	74,000													85
90	53.4	213.7	62,800*	58.1	219.1	70,700	60.9	221.4	68,700													90
95	50.6	209.7	58,300*	55.5	215.7	66,000	58.3	218.4	64,100	62.7	221.4	60,900										95
100	47.6	205.3	54,200*	52.8	212.0	61,800	55.6	215.1	60,000	60.2	218.6	57,000										100
105	44.5	200.4	50,600*	49.9	207.9	57,300*	52.9	211.4	56,300	57.6	215.5	53,500										105
110	41.2	194.9	47,400*	46.9	203.4	53,400*	50.1	207.3	53,000	54.9	212.1	50,300										110
115	37.7	188.7	44,500*	43.8	198.4	49,900*	47.1	202.8	50,000	52.2	208.3	47,500	56.8	211.7	45,000							115
120	33.9	181.6	41,800*	40.5	192.7	46,700*	44.0	197.8	47,300	49.3	204.1	44,900	54.1	208.2	42,500							120
125	29.7	173.4	39,400*	36.9	186.4	43,900*	40.7	192.2	44,800	46.3	199.5	42,500	51.3	204.3	40,200							125
130	24.8	163.4	37,200*	33.0	179.1	41,300*	37.1	185.9	42,500	43.1	194.4	40,300	48.4	200.0	38,100							130
135	18.6	150.5	35,200*	28.6	170.5	38,900*	33.2	178.7	40,400	39.8	188.6	38,300	45.4	195.2	36,200	50.3	199.3	34,200				135
140	9.0	129.2	31,600*	23.5	160.0	36,800*	28.9	170.2	38,400	36.1	182.0	36,400	42.1	189.9	34,500	47.3	194.8	32,500				140
145				17.0	146.0	34,800*	23.8	159.8	36,600	32.2	174.5	34,700	38.7	183.9	32,800	44.2	189.8	31,000				145
150				4.4	118.0	31,200*	17.4	146.1	34,900	27.7	165.6	33,100	35.0	177.1	31,300	40.9	184.3	29,500	46.0	188.5	27,800	150
155							6.0	120.7	32,800*	22.3	154.6	31,600	30.8	169.2	29,900	37.4	178.0	28,200	42.8	183.3	26,500	155
160										15.3	139.4	30,100	26.1	159.7	28,500	33.5	170.8	26,900	39.4	177.5	25,300	160
165													20.4	147.8	27,200	29.2	162.5	25,700	35.8	170.8	24,100	165
170													12.3	130.1	26,000	24.2	152.3	24,500	31.8	163.2	23,100	170
175																17.9	138.9	23,500	27.2	154.2	22,100	175
180																7.4	115.6	22,400	21.8	142.9	21,100	180
185																			14.4	127.0	20,200	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	97,400																70
75	63.5	234.9	80,500*	67.5	238.2	89,100																75
80	61.2	232.2	73,600*	65.3	236.0	81,900	67.7	237.5	79,600													80
85	58.8	229.2	67,600*	63.0	233.5	75,700	65.4	235.2	73,500													85
90	56.4	226.0	62,400*	60.7	230.7	70,300	63.1	232.8	68,300													90
95	53.9	222.5	57,800*	58.3	227.7	65,600	60.8	230.0	63,600													95
100	51.3	218.6	53,800*	55.8	224.4	61,300*	58.4	227.1	59,500	62.5	230.0	56,500										100
105	48.6	214.3	50,200*	53.3	220.8	56,900*	56.0	223.8	55,900	60.2	227.2	53,000										105
110	45.8	209.5	46,900*	50.7	216.8	53,000*	53.4	220.2	52,600	57.8	224.2	49,800										110
115	42.8	204.3	44,000*	48.0	212.4	49,400*	50.8	216.2	49,600	55.3	220.8	47,000										115
120	39.7	198.5	41,400*	45.1	207.6	46,300*	48.1	211.8	46,800	52.8	217.1	44,400	57.0	220.4	42,000							120
125	36.3	192.0	39,000*	42.1	202.3	43,400*	45.3	207.0	44,400	50.1	213.0	42,000	54.5	216.9	39,700							125
130	32.6	184.5	36,800*	38.9	196.3	40,800*	42.3	201.7	42,100	47.4	208.6	39,900	52.0	213.1	37,600							130
135	28.5	175.9	34,700*	35.5	189.6	38,500*	39.1	195.8	40,000	44.5	203.6	37,900	49.3	208.9	35,700							135
140	23.8	165.5	32,900*	31.8	181.9	36,300*	35.7	189.1	38,100	41.5	198.2	36,000	46.5	204.3	34,000	51.0	208.1	32,000				140
145	17.9	152.0	31,100*	27.6	173.0	34,300*	32.0	181.5	36,300	38.2	192.1	34,300	43.6	199.2	32,300	48.3	203.8	30,400				145
150	8.7	129.9	28,000*	22.6	162.0	32,500*	27.8	172.6	34,500*	34.8	185.2	32,700	40.5	193.6	30,800	45.5	199.0	29,000				150
155				16.3	147.5	30,800*	22.9	161.8	32,600*	30.9	177.3	31,200	37.2	187.3	29,400	42.5	193.8	27,700	47.1	197.6	25,900	155
160				4.2	118.3	27,700*	16.8	147.6	30,900*	26.6	168.0	29,800	33.6	180.1	28,100	39.4	187.9	26,400	44.2	192.6	24,700	160
165							5.7	121.1	29,100*	21.5	156.5	28,500	29.7	171.8	26,800	36.0	181.3	25,200	41.2	187.1	23,600	165
170										14.7	140.7	27,200	25.2	162.0	25,700	32.3	173.7	24,100	37.9	180.9	22,600	170
175													19.7	149.5	24,500	28.1	165.0	23,000	34.4	174.0	21,600	175
180													11.9	131.1	23,400	23.3	154.3	22,000	30.6	165.9	20,600	180
185																17.3	140.4	21,100	26.2	156.5	19,700	185
190																7.1	116.2	20,100	20.9	144.7	18,900	190
195																			13.9	128.2	18,000	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	88,600																75
80	63.3	243.5	74,300*	67.0	246.9	81,500																80
85	61.1	240.9	68,200*	64.9	244.7	75,300	67.2	246.2	73,100													85
90	58.9	237.9	62,900*	62.8	242.2	69,900	65.1	243.9	67,800													90
95	56.6	234.7	58,300*	60.6	239.4	65,200	62.9	241.4	63,200													95
100	54.3	231.2	54,200*	58.4	236.4	60,900	60.7	238.7	59,100													100
105	51.9	227.4	50,600*	56.1	233.1	57,200	58.5	235.7	55,400	62.4	238.7	52,500										105
110	49.4	223.2	47,300*	53.8	229.5	53,400*	56.2	232.5	52,100	60.2	235.9	49,400										110
115	46.8	218.6	44,300*	51.3	225.7	49,800*	53.9	228.9	49,100	57.9	232.8	46,500										115
120	44.1	213.6	41,700*	48.8	221.4	46,600*	51.5	225.0	46,400	55.6	229.5	43,900										120
125	41.3	208.1	39,200*	46.2	216.7	43,700*	49.0	220.8	43,900	53.3	225.9	41,600	57.2	229.1	39,200							125
130	38.2	202.0	37,000*	43.5	211.6	41,100*	46.4	216.2	41,700	50.8	221.9	39,400	54.9	225.6	37,200							130
135	35.0	195.1	34,900*	40.6	206.0	38,700*	43.6	211.1	39,600	48.3	217.6	37,400	52.5	221.9	35,300							135
140	31.5	187.4	33,100*	37.5	199.7	36,500*	40.8	205.5	37,600	45.7	212.8	35,600	50.1	217.8	33,500							140
145	27.5	178.4	31,300*	34.2	192.7	34,500*	37.7	199.2	35,900	42.9	207.6	33,900	47.5	213.4	31,900	51.7	216.9	30,000				145
150	23.0	167.5	29,700*	30.6	184.7	32,700*	34.4	192.2	34,200	40.0	201.8	32,300	44.8	208.5	30,400	49.2	212.7	28,500				150
155	17.3	153.5	27,900*	26.6	175.3	31,000*	30.9	184.3	32,600	36.9	195.4	30,800	42.0	203.1	29,000	46.6	208.1	27,200				155
160	8.3	130.6	24,000*	21.8	163.9	29,400*	26.8	175.0	31,100*	33.5	188.2	29,400	39.1	197.2	27,600	43.8	203.1	25,900				160
165				15.8	148.8	27,800*	22.1	163.8	29,500*	29.8	180.0	28,100	35.9	190.5	26,400	41.0	197.5	24,700	45.4	201.8	23,100	165
170				4.1	118.7	23,800*	16.2	149.0	27,900*	25.7	170.3	26,900	32.4	183.0	25,200	37.9	191.3	23,600	42.6	196.5	22,100	170
175							5.5	121.6	25,100*	20.7	158.3	25,700	28.6	174.4	24,100	34.7	184.4	22,600	39.7	190.7	21,100	175
180										14.2	141.9	24,600	24.3	164.1	23,100	31.1	176.5	21,600	36.6	184.2	20,200	180
185													19.0	151.2	22,100	27.1	167.4	20,700	33.2	176.9	19,300	185
190													11.4	132.1	21,100	22.5	156.3	19,800	29.5	168.6	18,400	190
195																16.7	141.9	18,900	25.2	158.7	17,600	195
200																6.9	116.8	18,100	20.2	146.5	16,900	200
205																			13.4	129.4	16,100	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	79,700																75
80	65.1	254.7	73,800*	68.5	257.8	72,900																80
85	63.1	252.2	67,700*	66.6	255.7	67,000																85
90	61.0	249.5	62,400*	64.6	253.3	61,900	66.7	254.9	59,100													90
95	59.0	246.6	57,800*	62.6	250.8	57,400	64.7	252.6	54,800													95
100	56.8	243.4	53,700*	60.6	248.1	53,400	62.7	250.1	51,000													100
105	54.7	239.9	50,000*	58.5	245.1	49,900	60.7	247.4	47,500													105
110	52.4	236.2	46,800*	56.4	241.8	46,700	58.6	244.4	44,400	62.2	247.4	40,700										110
115	50.1	232.1	43,800*	54.2	238.3	43,700	56.5	241.1	41,600	60.2	244.6	38,100										115
120	47.7	227.7	41,100*	51.9	234.5	41,100	54.3	237.6	39,100	58.1	241.5	35,700										120
125	45.2	222.8	38,700*	49.6	230.3	38,700	52.0	233.8	36,800	55.9	238.2	33,600										125
130	42.6	217.6	36,500*	47.2	225.8	36,500	49.7	229.7	34,600	53.7	234.6	31,600	57.4	237.7	28,600							130
135	39.9	211.8	34,400*	44.7	220.9	34,500	47.3	225.2	32,700	51.4	230.7	29,800	55.2	234.3	26,900							135
140	37.0	205.4	32,500*	42.0	215.5	32,600	44.8	220.3	30,900	49.1	226.5	28,100	53.0	230.7	25,300							140
145	33.9	198.2	30,800*	39.3	209.6	30,800	42.2	214.9	29,200	46.7	221.9	26,500	50.7	226.7	23,800							145
150	30.4	190.1	29,200*	36.3	203.0	29,200	39.4	209.1	27,600	44.1	216.9	25,000	48.4	222.3	22,500	52.2	225.7	20,000				150
155	26.6	180.7	27,700*	33.1	195.7	27,700	36.5	202.5	26,200	41.5	211.4	23,700	45.9	217.6	21,200	49.9	221.6	18,800				155
160	22.2	169.5	26,300*	29.6	187.3	26,300	33.3	195.2	24,800	38.7	205.4	22,400	43.3	212.5	20,000	47.5	217.2	17,700				160
165	16.7	155.0	24,700*	25.7	177.6	24,900	29.8	187.0	23,500	35.7	198.7	21,200	40.6	206.8	18,900	45.0	212.3	16,700				165
170	8.1	131.3	21,200*	21.1	165.8	23,700	26.0	177.3	22,300	32.4	191.1	20,100	37.8	200.6	17,900	42.4	207.0	15,700	46.4	210.9	13,600	170
175				15.2	150.1	22,400	21.4	165.7	21,200	28.9	182.5	19,000	34.7	193.7	16,900	39.6	201.1	14,800	43.9	205.9	12,700	175
180				3.9	119.0	21,100*	15.6	150.3	20,100	24.8	172.4	18,000	31.4	185.8	15,900	36.7	194.7	13,900	41.2	200.3	11,900	180
185							5.3	122.0	18,900	20.0	160.1	17,000	27.7	176.8	15,100	33.5	187.4	13,100	38.4	194.2	11,200	185
190										13.7	143.1	16,100	23.5	166.2	14,200	30.1	179.2	12,300	35.4	187.4	10,500	190
195													18.3	152.8	13,400	26.2	169.7	11,600	32.1	179.8	9,800	195
200													11.1	133.1	12,600	21.8	158.2	10,800	28.5	171.1	9,100	200
205																16.1	143.3	10,100	24.4	160.9	8,500	205
210																6.6	117.3	9,400	19.5	148.2	7,900	210
215																			12.9	130.5	7,300	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	72,500																80
85	64.8	263.4	68,100*	68.1	266.5	66,600																85
90	62.9	260.9	62,700*	66.2	264.4	61,500																90
95	61.0	258.2	58,000*	64.4	262.0	57,000	66.3	263.6	54,400													95
100	59.0	255.2	53,800*	62.5	259.5	53,000	64.5	261.3	50,600													100
105	57.0	252.1	50,100*	60.5	256.7	49,500	62.6	258.8	47,100													105
110	55.0	248.6	46,800*	58.6	253.7	46,300	60.7	256.0	44,000													110
115	52.9	244.9	43,800*	56.6	250.5	43,400	58.7	253.1	41,200	62.1	256.0	37,700										115
120	50.7	240.9	41,100*	54.5	247.0	40,700	56.7	249.8	38,700	60.1	253.2	35,400										120
125	48.5	236.6	38,600*	52.4	243.3	38,300	54.6	246.4	36,400	58.2	250.2	33,200										125
130	46.2	231.9	36,400*	50.2	239.2	36,100	52.5	242.6	34,300	56.2	246.9	31,200										130
135	43.8	226.9	34,300*	48.0	234.8	34,100	50.4	238.6	32,300	54.1	243.4	29,400	57.6	246.4	26,500							135
140	41.3	221.3	32,400*	45.7	230.0	32,200	48.1	234.2	30,500	52.0	239.5	27,700	55.5	243.1	24,900							140
145	38.6	215.3	30,600*	43.2	224.9	30,500	45.8	229.5	28,800	49.8	235.4	26,100	53.5	239.4	23,400							145
150	35.8	208.6	29,000*	40.7	219.2	28,900	43.4	224.3	27,300	47.5	230.9	24,700	51.3	235.5	22,100							150
155	32.8	201.1	27,500*	38.0	213.0	27,400	40.9	218.7	25,800	45.2	226.1	23,300	49.1	231.3	20,800	52.7	234.5	18,400				155
160	29.5	192.7	26,100*	35.2	206.2	26,000	38.2	212.5	24,500	42.7	220.8	22,100	46.8	226.7	19,700	50.5	230.5	17,300				160
165	25.8	183.0	24,800*	32.1	198.5	24,600	35.3	205.7	23,200	40.2	215.1	20,900	44.4	221.7	18,600	48.3	226.2	16,300				165
170	21.5	171.4	23,500*	28.7	189.9	23,400	32.3	198.1	22,000	37.4	208.8	19,800	42.0	216.3	17,500	46.0	221.4	15,300				170
175	16.2	156.4	22,000*	24.9	179.8	22,200	28.9	189.5	20,900	34.6	201.8	18,700	39.4	210.4	16,500	43.6	216.3	14,400	47.3	220.0	12,400	175
180	7.8	132.0	18,900*	20.5	167.6	21,100	25.2	179.6	19,800	31.4	193.9	17,700	36.6	203.9	15,600	41.0	210.7	13,600	45.0	215.1	11,600	180
185				14.8	151.4	20,000	20.7	167.5	18,800	28.0	185.0	16,800	33.6	196.7	14,700	38.4	204.6	12,800	42.5	209.8	10,800	185
190				3.8	119.2	18,800*	15.1	151.6	17,800	24.1	174.6	15,900	30.4	188.6	13,900	35.5	197.9	12,000	39.9	204.0	10,100	190
195							5.1	122.4	16,800	19.4	161.8	15,000	26.8	179.2	13,100	32.5	190.3	11,300	37.2	197.6	9,400	195
200										13.3	144.2	14,200	22.7	168.2	12,400	29.2	181.8	10,600	34.3	190.5	8,800	200
205													17.8	154.3	11,600	25.4	172.0	9,900	31.1	182.6	8,200	205
210													10.7	134.0	10,900	21.1	160.1	9,200	27.6	173.6	7,600	210
215																15.6	144.6	8,600	23.7	162.9	7,000	215
220																6.4	117.8	8,000	18.9	149.8	6,500	220
225																			12.5	131.6	5,900	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	71,900																80
85	66.3	274.4	65,300*	69.3	277.3	66,100																85
90	64.5	272.1	62,200*	67.6	275.3	61,000																90
95	62.7	269.6	57,500*	65.9	273.1	56,500	67.7	274.5	53,800													95
100	60.9	266.8	53,300*	64.1	270.7	52,500	66.0	272.4	50,000													100
105	59.1	263.9	49,600*	62.3	268.2	48,900	64.2	270.0	46,500													105
110	57.2	260.7	46,300*	60.5	265.4	45,700	62.4	267.4	43,400													110
115	55.3	257.3	43,300*	58.7	262.4	42,800	60.6	264.7	40,700													115
120	53.3	253.7	40,600*	56.8	259.2	40,200	58.8	261.7	38,100	62.0	264.7	34,700										120
125	51.3	249.8	38,100*	54.8	255.7	37,800	56.9	258.5	35,800	60.1	261.9	32,500										125
130	49.2	245.6	35,800*	52.9	252.0	35,600	54.9	255.1	33,700	58.3	258.9	30,600										130
135	47.0	241.0	33,800*	50.8	248.0	33,600	53.0	251.4	31,700	56.4	255.6	28,700										135
140	44.8	236.1	31,900*	48.7	243.8	31,700	50.9	247.4	29,900	54.4	252.1	27,100	57.7	255.1	24,200							140
145	42.5	230.8	30,100*	46.6	239.1	30,000	48.8	243.1	28,300	52.4	248.3	25,500	55.8	251.8	22,800							145
150	40.1	225.0	28,500*	44.3	234.1	28,400	46.7	238.5	26,700	50.4	244.3	24,100	53.8	248.2	21,400							150
155	37.5	218.7	27,000*	42.0	228.7	26,800	44.4	233.6	25,300	48.3	239.9	22,700	51.8	244.3	20,200							155
160	34.8	211.7	25,500*	39.5	222.8	25,400	42.1	228.2	23,900	46.1	235.2	21,500	49.8	240.2	19,000							160
165	31.8	204.0	24,200*	36.9	216.4	24,100	39.6	222.3	22,700	43.8	230.1	20,300	47.6	235.7	17,900	51.1	239.4	15,600				165
170	28.6	195.3	23,000*	34.1	209.3	22,900	37.1	215.9	21,500	41.5	224.6	19,200	45.4	230.9	16,900	49.0	235.1	14,600				170
175	25.1	185.2	21,800*	31.1	201.3	21,700	34.3	208.8	20,400	39.0	218.6	18,100	43.1	225.7	15,900	46.8	230.5	13,700				175
180	20.9	173.2	20,700*	27.9	192.4	20,600	31.3	200.9	19,300	36.3	212.1	17,100	40.7	220.1	15,000	44.6	225.6	12,900				180
185	15.7	157.7	19,400*	24.2	181.9	19,600	28.1	192.0	18,300	33.5	204.8	16,200	38.2	213.9	14,100	42.3	220.2	12,100	45.9	224.2	10,100	185
190	7.6	132.6	16,500*	19.9	169.3	18,600	24.4	181.7	17,400	30.5	196.7	15,300	35.5	207.1	13,300	39.8	214.4	11,300	43.6	219.1	9,400	190
195				14.3	152.6	17,600	20.1	169.3	16,400	27.2	187.4	14,500	32.6	199.6	12,500	37.2	208.0	10,600	41.2	213.6	8,800	195
200				3.7	119.5	16,500*	14.7	152.9	15,600	23.4	176.6	13,700	29.5	191.2	11,800	34.5	201.0	9,900	38.7	207.5	8,100	200
205							5.0	122.8	14,600	18.9	163.4	12,900	26.1	181.5	11,100	31.5	193.2	9,300	36.1	200.9	7,500	205
210										12.9	145.3	12,100	22.1	170.1	10,400	28.3	184.3	8,600	33.3	193.5	6,900	210
215													17.3	155.8	9,700	24.7	174.1	8,000	30.2	185.3	6,400	215
220													10.4	134.9	9,100	20.5	161.9	7,500	26.8	175.9	5,900	220
225																15.2	145.9	6,900	23.0	165.0	5,300	225
230																6.2	118.3	6,300	18.4	151.4	4,800	230
235																			12.2	132.6	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. COUNTERWEIGHT - 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	65,500																85
90	66.0	283.1	58,500*	68.9	286.1	60,400																90
95	64.3	280.8	55,900*	67.2	284.0	55,900																95
100	62.6	278.2	52,800*	65.6	281.8	51,900	67.3	283.3	49,400													100
105	60.9	275.5	49,100*	63.9	279.4	48,400	65.7	281.1	46,000													105
110	59.1	272.6	45,800*	62.2	276.8	45,200	64.0	278.7	42,900													110
115	57.3	269.4	42,800*	60.5	274.0	42,300	62.3	276.1	40,100													115
120	55.5	266.1	40,100*	58.7	271.1	39,700	60.6	273.3	37,600													120
125	53.7	262.5	37,600*	56.9	267.9	37,300	58.8	270.4	35,300	61.9	273.4	31,900										125
130	51.8	258.6	35,300*	55.1	264.5	35,100	57.0	267.2	33,100	60.1	270.5	30,000										130
135	49.8	254.5	33,300*	53.3	260.8	33,000	55.2	263.8	31,200	58.4	267.5	28,200										135
140	47.8	250.0	31,400*	51.3	256.9	31,200	53.4	260.2	29,400	56.6	264.3	26,500										140
145	45.7	245.2	29,600*	49.4	252.7	29,400	51.4	256.2	27,700	54.7	260.8	24,900	57.8	263.8	22,200							145
150	43.5	240.1	28,000*	47.3	248.2	27,800	49.5	252.1	26,200	52.9	257.1	23,500	56.0	260.5	20,800							150
155	41.3	234.6	26,500*	45.2	243.3	26,300	47.5	247.6	24,800	50.9	253.1	22,200	54.2	256.9	19,600							155
160	38.9	228.6	25,000*	43.1	238.1	24,900	45.4	242.7	23,400	49.0	248.9	20,900	52.3	253.1	18,400							160
165	36.4	222.0	23,700*	40.8	232.5	23,600	43.2	237.5	22,200	46.9	244.3	19,700	50.3	249.1	17,300							165
170	33.8	214.8	22,500*	38.4	226.3	22,400	40.9	231.9	21,000	44.8	239.4	18,600	48.3	244.7	16,300	51.6	248.2	14,000				170
175	31.0	206.8	21,300*	35.9	219.6	21,200	38.5	225.8	19,900	42.6	234.1	17,600	46.3	240.0	15,300	49.6	244.0	13,100				175
180	27.8	197.8	20,200*	33.2	212.3	20,200	36.0	219.2	18,800	40.3	228.3	16,600	44.1	235.0	14,400	47.6	239.5	12,300				180
185	24.4	187.4	19,200*	30.3	204.0	19,100	33.3	211.8	17,800	37.9	222.1	15,700	41.9	229.6	13,600	45.5	234.7	11,500				185
190	20.3	175.0	18,200*	27.1	194.8	18,100	30.5	203.7	16,900	35.3	215.3	14,800	39.6	223.7	12,800	43.3	229.6	10,800				190
195	15.3	159.1	17,000*	23.5	184.0	17,200	27.3	194.5	16,000	32.6	207.7	14,000	37.1	217.3	12,000	41.1	224.0	10,000	46.7	233.3	8,800	195
200	7.4	133.2	14,400*	19.3	171.0	16,300	23.7	183.8	15,100	29.7	199.3	13,200	34.5	210.2	11,200	38.7	217.9	9,400	44.6	228.3	8,200	200
205				13.9	153.8	15,400	19.6	171.0	14,300	26.4	189.8	12,400	31.7	202.5	10,600	36.2	211.3	8,700	42.4	223.0	7,500	205
210				3.5	119.8	14,400*	14.3	154.1	13,500	22.7	178.6	11,700	28.7	193.7	9,900	33.5	204.0	8,100	40.1	217.2	6,900	210
215							4.8	123.2	12,700	18.3	165.0	11,000	25.3	183.8	9,200	30.7	195.9	7,500	37.7	210.9	6,400	215
220										12.5	146.4	10,300	21.5	172.0	8,600	27.5	186.8	6,900	35.1	204.0	5,800	220
225													16.8	157.3	8,000	24.0	176.3	6,400	32.3	196.4	5,300	225
230													10.1	135.7	7,400	19.9	163.6	5,900	29.4	187.9	4,800	230
235																14.7	147.2	5,300	26.1	178.3	4,300	235
240																6.0	118.8	4,800				240

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	55,400																95
100	64.1	289.5	49,100*	66.9	292.8	51,400																100
105	62.5	286.9	46,700*	65.3	290.5	47,800	67.0	292.0	45,300													105
110	60.8	284.2	44,300*	63.7	288.1	44,600	65.4	289.8	42,300													110
115	59.2	281.2	42,100*	62.1	285.5	41,700	63.8	287.4	39,500													115
120	57.5	278.1	39,500*	60.5	282.7	39,100	62.2	284.8	37,000													120
125	55.8	274.8	37,000*	58.8	279.7	36,700	60.6	282.0	34,700													125
130	54.0	271.2	34,800*	57.1	276.6	34,500	58.9	279.0	32,600	61.8	282.0	29,300										130
135	52.2	267.4	32,700*	55.4	273.2	32,500	57.2	275.9	30,600	60.1	279.2	27,500										135
140	50.4	263.3	30,800*	53.6	269.5	30,600	55.5	272.5	28,800	58.5	276.2	25,800										140
145	48.5	259.0	29,100*	51.8	265.7	28,900	53.7	268.9	27,200	56.7	273.0	24,300										145
150	46.5	254.3	27,400*	49.9	261.6	27,300	51.9	265.1	25,600	55.0	269.5	22,900	57.9	272.4	20,100							150
155	44.5	249.4	25,900*	48.0	257.2	25,800	50.0	260.9	24,200	53.2	265.9	21,500	56.2	269.1	18,900							155
160	42.4	244.0	24,500*	46.1	252.4	24,400	48.1	256.6	22,800	51.4	262.0	20,300	54.5	265.6	17,700							160
165	40.2	238.2	23,200*	44.0	247.4	23,100	46.2	251.9	21,600	49.5	257.8	19,100	52.7	261.9	16,700							165
170	37.9	232.0	21,900*	41.9	241.9	21,900	44.1	246.8	20,400	47.6	253.3	18,000	50.8	257.9	15,600							170
175	35.5	225.2	20,800*	39.7	236.1	20,700	42.0	241.4	19,300	45.6	248.5	17,000	49.0	253.6	14,700	52.0	257.0	12,400				175
180	32.9	217.7	19,700*	37.4	229.7	19,600	39.8	235.6	18,300	43.6	243.4	16,000	47.0	249.1	13,800	50.2	252.9	11,600				180
185	30.1	209.5	18,700*	34.9	222.8	18,600	37.5	229.2	17,300	41.5	237.9	15,100	45.0	244.2	12,900	48.3	248.5	10,800				185
190	27.1	200.2	17,700*	32.3	215.2	17,600	35.1	222.3	16,300	39.2	231.9	14,200	42.9	239.0	12,100	46.3	243.8	10,100				190
195	23.7	189.5	16,800*	29.5	206.7	16,700	32.5	214.7	15,400	36.9	225.4	13,400	40.8	233.3	11,400	44.3	238.8	9,400	47.4	242.3	7,500	195
200	19.8	176.7	15,900*	26.4	197.1	15,800	29.7	206.3	14,600	34.4	218.4	12,600	38.5	227.2	10,600	42.2	233.4	8,700	45.5	237.5	6,800	200
205	14.9	160.4	14,800*	22.9	186.0	15,000	26.6	196.8	13,800	31.8	210.6	11,900	36.1	220.5	9,900	40.0	227.6	8,100	43.4	232.3	6,200	205
210	7.2	133.8	12,400*	18.8	172.7	14,200	23.1	185.8	13,000	28.9	201.9	11,100	33.6	213.3	9,300	37.7	221.3	7,500	41.2	226.8	5,700	210
215				13.6	155.0	13,400	19.1	172.6	12,300	25.7	192.1	10,500	30.9	205.2	8,600	35.2	214.5	6,900	39.0	220.8	5,100	215
220				3.4	120.1	12,400*	13.9	155.4	11,600	22.1	180.6	9,800	28.0	196.2	8,000	32.7	206.9	6,300	36.7	214.3	4,600	220
225							4.7	123.6	10,800	17.9	166.6	9,200	24.7	186.0	7,500	29.9	198.6	5,800	34.2	207.1	4,100	225
230										12.2	147.5	8,500	20.9	173.8	6,900	26.8	189.2	5,300				230
235													16.4	158.7	6,300	23.4	178.3	4,800				235
240													9.8	136.6	5,800	19.4	165.3	4,300				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 USED
THE SCOPE OF ANSI B30.5

M-250

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	154,500b																50	
55	52.9	175.2	120,500*	62.5	180.7	136,100b																55	
60	47.5	170.9	106,700*	57.7	177.7	121,400b	63.2	180.2	118,100b													60	
65	41.5	165.6	95,600*	52.6	174.1	109,400	58.5	177.3	106,500b													65	
70	34.8	159.0	86,400*	47.2	169.7	99,500	53.5	173.8	96,800	62.8	177.7	92,300b										70	
75	26.4	150.2	78,700*	41.2	164.4	91,100	48.1	169.6	88,600	58.0	174.8	84,500b										75	
80	13.9	135.7	72,100*	34.4	157.7	83,900	42.2	164.4	81,600	53.0	171.2	77,800										80	
85				26.0	148.7	77,600	35.6	158.0	75,600	47.6	166.9	72,000	57.3	171.3	68,500b							85	
90				13.0	133.7	71,800*	27.5	149.5	70,200	41.7	161.6	67,000	52.3	167.6	63,700							90	
95							15.8	136.2	65,400	34.9	155.1	62,500	46.8	163.2	59,500							95	
100										26.6	146.3	58,500	40.8	157.8	55,700		51.2	162.9	52,900			100	
105										14.3	132.1	54,800	33.8	150.9	52,300		45.7	158.3	49,700			105	
110													25.3	141.7	49,200		39.5	152.7	46,700			110	
115													11.5	125.7	46,300		32.3	145.5	44,100	44.0	152.3	41,800	115
120																	23.2	135.6	41,600	37.6	146.3	39,500	120
125																	4.9	113.9	39,300	30.1	138.5	37,400	125
130																				20.0	127.3	35,400	130

110 FT. BOOM, 80 FT. JIB

	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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB OPER. RAD. FEET	
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	154,200b																50	
55	58.2	187.5	121,200*	66.2	191.9	135,700b																55	
60	53.8	184.0	107,300*	62.2	189.4	121,000b	66.8	191.3	117,600b													60	
65	49.2	179.9	96,100*	58.0	186.4	109,100	62.8	188.9	106,000b													65	
70	44.2	175.0	86,800*	53.6	182.9	99,200	58.7	186.0	96,400													70	
75	38.7	169.1	79,000*	49.0	178.8	90,800	54.3	182.6	88,200	62.4	186.4	84,000b										75	
80	32.4	161.9	72,400*	43.9	173.8	83,600	49.7	178.5	81,300	58.3	183.5	77,300										80	
85	24.6	152.3	66,700*	38.4	167.9	77,400	44.8	173.8	75,200	53.9	180.0	71,600										85	
90	13.0	136.8	61,700*	32.0	160.6	72,000	39.3	168.0	70,000	49.3	175.9	66,600	57.7	179.9	63,200							90	
95				24.2	150.9	66,500*	33.1	161.0	65,300	44.3	171.0	62,100	53.3	176.4	59,000							95	
100				12.1	134.7	61,500*	25.6	151.7	61,100	38.8	165.2	58,200	48.6	172.2	55,200							100	
105										32.5	158.0	54,600	43.6	167.2	51,900	52.4	171.8	49,100				105	
110							14.7	137.4	57,300	24.8	148.5	51,400	38.0	161.2	48,800	47.6	167.4	46,200				110	
115										13.3	133.2	48,400		31.5	153.8	46,100	42.5	162.3	43,600				115
120													31.5	153.8	46,100	42.5	162.3	43,600				120	
125													23.5	143.8	43,500	36.8	156.0	41,200	46.3	161.5	39,000	120	
130													10.7	126.6	41,100	30.1	148.2	39,000	41.0	156.1	36,900	125	
135																21.6	137.4	37,000	35.1	149.5	35,000	130	
140																4.5	114.2	35,000	28.0	141.0	33,200	135	
																			18.6	128.9	31,600	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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	135,300b																55
60	58.4	196.1	107,700*	65.5	200.6	120,700b																60
65	54.6	192.7	96,400*	61.9	198.1	108,700	66.1	200.1	105,600b													65
70	50.5	188.8	87,100*	58.2	195.1	98,800	62.5	197.6	96,000													70
75	46.2	184.2	79,300*	54.4	191.6	90,500	58.8	194.7	87,900													75
80	41.5	178.8	72,600*	50.3	187.7	83,300	55.0	191.3	80,900	62.2	195.1	76,900										80
85	36.4	172.4	66,900*	46.0	183.1	77,200	51.0	187.4	74,900	58.5	192.1	71,200										85
90	30.4	164.6	61,900*	41.3	177.6	71,700	46.7	182.9	69,600	54.6	188.7	66,200										90
95	23.2	154.4	57,500*	36.1	171.2	66,600*	42.1	177.6	65,000	50.6	184.8	61,700	57.9	188.6	58,500							95
100	12.2	137.8	53,500*	30.1	163.3	61,700*	37.0	171.4	60,900	46.3	180.2	57,800	54.1	185.1	54,800							100
105				22.8	152.9	57,300*	31.1	163.8	57,200	41.6	174.9	54,300	50.0	181.1	51,400							105
110				11.3	135.7	53,400*	24.1	153.9	53,800	36.5	168.5	51,100	45.6	176.5	48,400							110
115							13.8	138.6	50,700	30.6	160.7	48,200	40.9	171.0	45,700	49.1	176.4	43,200				115
120										23.3	150.5	45,600	35.7	164.5	43,200	44.7	171.6	40,800				120
125										12.5	134.2	43,100	29.6	156.4	40,900	39.9	165.9	38,700	48.0	170.5	36,500	125
130													22.1	145.7	38,800	34.6	159.2	36,700	43.5	165.5	34,600	130
135													10.0	127.4	36,800	28.3	150.7	34,800	38.5	159.6	32,900	135
140																20.3	139.2	33,100	33.0	152.4	31,200	140
145																4.2	114.5	31,400	26.4	143.3	29,700	145
150																			17.5	130.4	28,300	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	75.5	216.6	153,400*b																			38
40	74.3	216.1	149,600*b																			40
45	71.3	214.5	140,700*b																			45
50	68.3	212.5	132,600*b																			50
55	65.1	210.3	121,900*																			55
60	61.9	207.7	107,800*	68.1	211.6	120,300b																60
65	58.6	204.8	96,400*	65.0	209.3	108,300																65
70	55.1	201.4	87,000*	61.7	206.7	98,400	65.5	208.8	95,500													70
75	51.5	197.6	79,200*	58.4	203.8	90,100	62.3	206.2	87,400													75
80	47.7	193.2	72,500*	54.9	200.4	83,000	58.9	203.3	80,500													80
85	43.6	188.2	66,700*	51.3	196.5	76,800	55.5	200.0	74,500	62.0	203.7	70,600										85
90	39.3	182.4	61,700*	47.5	192.1	71,400	51.9	196.2	69,200	58.6	200.8	65,700										90
95	34.4	175.6	57,300*	43.4	187.1	66,500*	48.1	191.9	64,600	55.2	197.4	61,300										95
100	28.8	167.2	53,400*	39.0	181.2	61,500*	44.1	187.0	60,500	51.6	193.6	57,300										100
105	21.9	156.3	49,900*	34.1	174.3	57,100*	39.8	181.3	56,800	47.8	189.3	53,800	54.7	193.9	50,900							105
110	11.5	138.8	46,700*	28.5	165.8	53,200*	35.0	174.6	53,500	43.7	184.3	50,700	51.1	190.0	47,900							110
115				21.5	154.8	49,800*	29.5	166.4	50,500	39.3	178.5	47,800	47.2	185.6	45,200							115
120				10.7	136.6	46,600*	22.8	155.9	47,700	34.5	171.6	45,200	43.1	180.5	42,700	50.3	185.3	40,300				120
125							13.1	139.7	45,100	28.9	163.3	42,800	38.7	174.5	40,500	46.4	180.7	38,200				125
130										22.1	152.5	40,600	33.8	167.5	38,400	42.3	175.5	36,200				130
135										11.8	135.2	38,500	28.1	158.9	36,500	37.8	169.4	34,400	45.3	174.8	32,300	135
140													20.9	147.6	34,700	32.7	162.1	32,700	41.1	169.3	30,700	140
145													9.4	128.2	32,900	26.8	153.1	31,100	36.4	162.9	29,200	145
150																19.2	140.9	29,600	31.2	155.2	27,900	150
155																3.9	114.8	28,100	24.9	145.5	26,600	155
160																			16.6	131.8	25,300	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	119,800																60
65	61.7	216.4	99,200*	67.4	220.3	107,900																65
70	58.7	213.5	89,500*	64.5	218.0	98,000	67.8	219.7	95,000													70
75	55.6	210.1	81,300*	61.6	215.4	89,700	65.0	217.4	86,900													75
80	52.3	206.4	74,400*	58.5	212.4	82,500	62.1	214.9	80,000													80
85	48.9	202.2	68,500*	55.4	209.1	76,400	59.0	212.0	74,000													85
90	45.3	197.5	63,300*	52.2	205.3	71,000	55.9	208.7	68,800	61.8	212.4	65,200										90
95	41.5	192.0	58,800*	48.8	201.1	66,200	52.7	205.0	64,200	58.8	209.5	60,800										95
100	37.3	185.8	54,700*	45.1	196.3	62,000	49.3	200.9	60,100	55.6	206.2	56,900										100
105	32.7	178.5	51,200*	41.3	190.9	58,200	45.7	196.2	56,400	52.4	202.4	53,400										105
110	27.4	169.6	47,900*	37.1	184.6	54,600*	41.9	190.9	53,100	49.0	198.2	50,200	55.2	202.6	47,400							110
115	20.9	158.1	45,000*	32.5	177.2	51,000*	37.8	184.7	50,100	45.4	193.5	47,400	51.9	198.8	44,700							115
120	10.9	139.7	39,900*	27.1	168.2	47,800*	33.3	177.6	47,400	41.6	188.1	44,800	48.5	194.6	42,300							120
125				20.5	156.5	44,900*	28.0	168.9	44,900	37.4	181.9	42,500	44.9	189.7	40,000	51.3	194.2	37,600				125
130				10.2	137.4	41,300*	21.7	157.8	42,600	32.8	174.6	40,300	41.0	184.2	38,000	47.8	189.8	35,700				130
135							12.4	140.8	40,400	27.5	165.7	38,300	36.8	177.9	36,100	44.1	184.8	33,900				135
140										21.0	154.3	36,400	32.1	170.4	34,300	40.2	179.2	32,200	46.8	183.9	30,200	140
145										11.2	136.2	34,600	26.7	161.3	32,700	35.9	172.6	30,700	43.1	178.7	28,800	145
150													19.9	149.3	31,100	31.1	164.9	29,200	39.1	172.9	27,400	150
155													9.0	128.9	29,600	25.5	155.3	27,900	34.7	166.0	26,100	155
160																18.3	142.5	26,600	29.7	157.9	24,900	160
165																3.7	115.0	25,300	23.7	147.6	23,800	165
170																			15.8	133.2	22,700	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	107,500																65
70	61.6	225.1	89,100*	66.8	229.0	97,600																70
75	58.8	222.1	81,000*	64.1	226.7	89,200	67.2	228.4	86,500													75
80	56.0	218.8	74,100*	61.4	224.0	82,100	64.6	226.1	79,500													80
85	53.0	215.2	68,100*	58.7	221.1	76,000	61.9	223.5	73,600													85
90	49.9	211.1	62,900*	55.8	217.8	70,600	59.1	220.6	68,300													90
95	46.7	206.6	58,400*	52.9	214.1	65,800	56.3	217.4	63,700	61.6	221.1	60,200										95
100	43.3	201.5	54,300*	49.8	210.0	61,600	53.3	213.8	59,600	58.9	218.1	56,400										100
105	39.6	195.7	50,700*	46.5	205.5	57,900	50.3	209.8	56,000	56.0	214.9	52,900										105
110	35.7	189.0	47,500*	43.1	200.3	54,200*	47.1	205.3	52,700	53.1	211.2	49,800										110
115	31.3	181.3	44,600*	39.4	194.5	50,600*	43.7	200.2	49,700	50.0	207.1	46,900	55.6	211.3	44,200							115
120	26.2	171.9	42,000*	35.5	187.8	47,400*	40.0	194.5	47,000	46.8	202.6	44,400	52.6	207.6	41,700							120
125	19.9	159.8	39,600*	31.0	180.0	44,500*	36.1	188.0	44,500	43.3	197.5	42,000	49.5	203.5	39,500							125
130	10.4	140.6	35,100*	25.9	170.5	41,900*	31.8	180.4	42,200	39.7	191.7	39,800	46.3	198.9	37,500	52.0	203.0	35,100				130
135				19.6	158.2	39,500*	26.8	171.3	40,100	35.7	185.1	37,800	42.8	193.7	35,600	48.9	198.8	33,400				135
140				9.7	138.2	36,400*	20.7	159.6	38,200	31.3	177.4	36,000	39.2	187.8	33,800	45.6	194.0	31,700				140
145							11.9	141.8	36,300	26.3	168.1	34,300	35.2	181.1	32,200	42.1	188.7	30,200	48.0	192.9	28,200	145
150										20.1	156.0	32,700	30.7	173.2	30,700	38.4	182.7	28,700	44.7	188.0	26,800	150
155										10.7	137.1	31,100	25.5	163.5	29,300	34.3	175.7	27,400	41.1	182.5	25,600	155
160													19.0	151.0	27,900	29.7	167.5	26,200	37.3	176.3	24,400	160
165													8.6	129.6	26,600	24.4	157.5	25,000	33.1	169.0	23,300	165
170																17.5	144.0	23,800	28.4	160.4	22,200	170
175																3.5	115.3	22,700	22.7	149.6	21,200	175
180																			15.0	134.5	20,300	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	107,200																65
70	64.0	236.4	89,800*	68.7	239.9	97,300																70
75	61.5	233.7	81,500*	66.3	237.7	89,000																75
80	58.9	230.8	74,400*	63.8	235.4	81,900	66.7	237.2	79,300													80
85	56.3	227.5	68,400*	61.3	232.7	75,700	64.2	234.8	73,300													85
90	53.6	224.0	63,100*	58.8	229.8	70,300	61.7	232.2	68,100													90
95	50.8	220.0	58,500*	56.1	226.5	65,600	59.2	229.3	63,500													95
100	47.8	215.6	54,500*	53.4	222.9	61,400	56.6	226.1	59,400	61.5	229.7	56,100										100
105	44.7	210.7	50,800*	50.6	218.9	57,600	53.9	222.6	55,700	58.9	226.8	52,600										105
110	41.5	205.3	47,600*	47.7	214.5	54,300	51.1	218.6	52,500	56.3	223.6	49,500										110
115	38.0	199.1	44,700*	44.6	209.6	50,700*	48.2	214.3	49,500	53.6	220.0	46,700										115
120	34.2	192.1	42,000*	41.3	204.1	47,500*	45.1	209.5	46,800	50.8	216.0	44,100	56.0	220.0	41,500							120
125	30.0	184.0	39,600*	37.8	197.9	44,600*	41.9	204.1	44,300	47.9	211.6	41,800	53.2	216.4	39,300							125
130	25.1	174.2	37,400*	34.0	190.9	41,900*	38.4	198.0	42,100	44.8	206.8	39,600	50.4	212.4	37,200							130
135	19.1	161.5	35,300*	29.8	182.7	39,500*	34.6	191.1	40,000	41.5	201.3	37,600	47.5	207.9	35,300	52.7	211.8	33,100				135
140	10.0	141.4	31,300*	24.9	172.7	37,300*	30.5	183.1	38,000	38.1	195.2	35,800	44.4	203.0	33,600	49.8	207.7	31,500				140
145				18.8	159.9	35,200*	25.7	173.5	36,200	34.3	188.2	34,100	41.1	197.5	32,000	46.8	203.1	29,900				145
150				9.3	139.0	32,600*	19.9	161.3	34,600	30.1	180.1	32,500	37.5	191.2	30,500	43.7	198.1	28,500				150
155							11.4	142.7	32,900	25.2	170.3	31,000	33.7	184.1	29,100	40.4	192.4	27,200	46.0	197.2	25,300	155
160										19.2	157.7	29,600	29.4	175.8	27,800	36.8	186.0	26,000	42.8	192.0	24,200	160
165										10.2	137.9	28,300	24.5	165.7	26,600	32.9	178.7	24,800	39.4	186.1	23,100	165
170													18.3	152.5	25,400	28.5	170.1	23,700	35.8	179.5	22,000	170
175													8.2	130.3	24,200	23.4	159.5	22,700	31.8	171.9	21,100	175
180																16.8	145.4	21,700	27.2	162.8	20,100	180
185																3.4	115.5	20,600	21.8	151.5	19,300	185
190																			14.4	135.7	18,400	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	96,900																70
75	63.7	245.0	81,100*	68.1	248.6	88,600																75
80	61.4	242.4	74,000*	65.8	246.5	81,400																80
85	59.0	239.5	68,000*	63.6	244.0	75,300	66.2	245.9	72,800													85
90	56.5	236.2	62,700*	61.2	241.4	69,900	63.9	243.5	67,600													90
95	54.0	232.7	58,100*	58.9	238.4	65,200	61.6	240.9	63,000													95
100	51.5	228.8	54,000*	56.4	235.2	61,000	59.2	238.0	59,000													100
105	48.8	224.6	50,400*	53.9	231.6	57,200	56.8	234.8	55,300	61.4	238.4	52,100										105
110	46.0	219.9	47,100*	51.3	227.7	53,900	54.3	231.3	52,000	59.0	235.5	49,000										110
115	43.0	214.7	44,200*	48.6	223.5	50,200*	51.7	227.5	49,100	56.6	232.2	46,200										115
120	39.9	208.9	41,500*	45.8	218.8	47,000*	49.1	223.2	46,400	54.1	228.7	43,600										120
125	36.5	202.5	39,100*	42.9	213.5	44,100*	46.3	218.6	43,900	51.5	224.8	41,300	56.2	228.7	38,700							125
130	32.9	195.1	36,900*	39.7	207.7	41,400*	43.3	213.5	41,700	48.8	220.6	39,200	53.7	225.1	36,700							130
135	28.8	186.6	34,900*	36.4	201.2	39,000*	40.2	207.8	39,600	46.0	215.9	37,200	51.1	221.2	34,800							135
140	24.2	176.3	33,000*	32.7	193.8	36,800*	36.9	201.4	37,700	43.1	210.7	35,400	48.4	216.9	33,100							140
145	18.4	163.1	31,200*	28.6	185.2	34,800*	33.3	194.1	35,900	39.9	205.0	33,700	45.6	212.2	31,500	50.6	216.5	29,400				145
150	9.6	142.2	27,700*	23.9	174.8	32,900*	29.3	185.8	34,200	36.6	198.5	32,100	42.6	206.9	30,000	47.9	212.2	28,000				150
155				18.1	161.4	31,200*	24.7	175.7	32,700	33.0	191.2	30,600	39.5	201.1	28,600	45.0	207.3	26,700				155
160				8.9	139.8	28,900*	19.1	163.0	31,200	28.9	182.7	29,300	36.1	194.5	27,300	42.0	202.0	25,400	47.1	206.3	23,600	160
165							11.0	143.7	29,800	24.3	172.4	28,000	32.4	187.0	26,100	38.8	196.0	24,300	44.2	201.3	22,500	165
170										18.5	159.3	26,700	28.3	178.3	25,000	35.4	189.2	23,200	41.2	195.8	21,500	170
175										9.8	138.7	25,500	23.6	167.8	23,900	31.7	181.5	22,200	37.9	189.6	20,600	175
180													17.6	154.1	22,800	27.4	172.5	21,200	34.4	182.6	19,600	180
185													7.9	130.9	21,800	22.5	161.5	20,300	30.6	174.6	18,800	185
190																16.1	146.8	19,400	26.2	165.1	18,000	190
195																3.2	115.7	18,500	20.9	153.4	17,200	195
200																			13.9	136.9	16,400	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	79,500																75
80	63.4	253.7	74,800*	67.5	257.4	72,800																80
85	61.3	251.0	68,600*	65.5	255.2	67,000	67.9	256.8	63,700													85
90	59.1	248.1	63,300*	63.3	252.7	61,900	65.8	254.6	58,800													90
95	56.8	244.9	58,600*	61.2	250.0	57,400	63.7	252.2	54,600													95
100	54.5	241.4	54,500*	58.9	247.1	53,500	61.5	249.5	50,800													100
105	52.1	237.6	50,800*	56.7	243.9	49,900	59.3	246.6	47,400													105
110	49.6	233.5	47,500*	54.3	240.4	46,700	57.0	243.5	44,300	61.3	247.0	40,300										110
115	47.0	229.0	44,500*	51.9	236.6	43,900	54.7	240.0	41,500	59.1	244.1	37,700										115
120	44.3	224.0	41,800*	49.5	232.4	41,200	52.3	236.3	39,000	56.8	240.9	35,400										120
125	41.5	218.5	39,400*	46.9	227.8	38,800	49.9	232.1	36,700	54.5	237.4	33,200										125
130	38.5	212.4	37,100*	44.2	222.8	36,600	47.3	227.7	34,600	52.1	233.7	31,300	56.5	237.4	28,000							130
135	35.2	205.6	35,100*	41.3	217.3	34,600	44.6	222.7	32,700	49.6	229.5	29,500	54.2	233.9	26,300							135
140	31.7	197.9	33,200*	38.3	211.2	32,700	41.8	217.3	30,900	47.0	225.0	27,800	51.8	230.0	24,800							140
145	27.8	189.0	31,400*	35.1	204.4	31,000	38.8	211.3	29,200	44.4	220.0	26,300	49.3	225.9	23,400							145
150	23.3	178.4	29,800*	31.6	196.7	29,400	35.6	204.6	27,700	41.5	214.6	24,800	46.7	221.3	22,000	51.3	225.4	19,300				150
155	17.8	164.6	27,500*	27.6	187.7	27,900	32.1	197.0	26,200	38.5	208.5	23,500	44.0	216.2	20,800	48.8	221.1	18,200				155
160	9.3	143.0	23,700*	23.1	176.9	26,400	28.3	188.3	24,900	35.3	201.7	22,200	41.1	210.7	19,600	46.1	216.4	17,100				160
165				17.4	163.0	25,100	23.9	177.8	23,600	31.8	194.0	21,100	38.1	204.5	18,600	43.4	211.3	16,100				165
170				8.6	140.5	23,700	18.5	164.6	22,400	27.9	185.2	19,900	34.8	197.7	17,500	40.5	205.7	15,200	45.4	210.5	12,900	170
175							10.6	144.5	21,200	23.4	174.5	18,900	31.3	189.8	16,600	37.5	199.4	14,300	42.6	205.2	12,100	175
180										17.9	160.9	17,900	27.3	180.7	15,700	34.2	192.3	13,400	39.7	199.4	11,300	180
185										9.5	139.5	16,900	22.7	169.8	14,800	30.5	184.3	12,600	36.6	192.9	10,600	185
190													17.0	155.5	13,900	26.5	174.9	11,900	33.2	185.6	9,900	190
195													7.6	131.6	13,100	21.7	163.4	11,200	29.5	177.2	9,200	195
200																15.6	148.2	10,400	25.2	167.4	8,600	200
205																3.1	115.9	9,600	20.2	155.1	8,000	205
210																			13.4	138.0	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	78,900																75
80	65.2	264.9	74,200*	69.0	268.2	72,200																80
85	63.2	262.4	68,100*	67.1	266.1	66,400																85
90	61.2	259.7	62,800*	65.1	263.9	61,300	67.4	265.5	58,200													90
95	59.1	256.8	58,100*	63.1	261.4	56,900	65.4	263.3	53,900													95
100	57.0	253.6	53,900*	61.1	258.7	52,900	63.4	260.9	50,100													100
105	54.8	250.2	50,300*	59.0	255.7	49,400	61.4	258.2	46,700													105
110	52.6	246.4	47,000*	56.9	252.6	46,200	59.3	255.3	43,700													110
115	50.3	242.4	44,000*	54.7	249.1	43,300	57.2	252.2	40,900	61.2	255.7	37,000										115
120	47.9	238.0	41,300*	52.5	245.4	40,700	55.1	248.7	38,400	59.1	252.8	34,700										120
125	45.4	233.2	38,800*	50.2	241.3	38,300	52.8	245.0	36,100	57.0	249.6	32,600										125
130	42.8	227.9	36,600*	47.8	236.9	36,100	50.5	241.0	34,000	54.9	246.2	30,600										130
135	40.1	222.2	34,500*	45.3	232.0	34,100	48.2	236.7	32,100	52.6	242.4	28,800	56.7	246.1	25,600							135
140	37.2	215.8	32,700*	42.7	226.8	32,200	45.7	231.9	30,300	50.3	238.4	27,200	54.5	242.6	24,100							140
145	34.1	208.7	30,900*	39.9	221.0	30,500	43.1	226.7	28,700	47.9	234.0	25,600	52.3	238.8	22,700							145
150	30.7	200.7	29,300*	37.0	214.6	28,900	40.4	221.0	27,100	45.5	229.2	24,200	50.0	234.7	21,400							150
155	26.9	191.4	27,800*	33.9	207.5	27,400	37.5	214.7	25,700	42.9	224.0	22,900	47.6	230.3	20,100	51.8	234.2	17,400				155
160	22.6	180.3	26,300*	30.5	199.4	25,900	34.4	207.7	24,300	40.1	218.2	21,600	45.1	225.5	19,000	49.5	230.0	16,400				160
165	17.2	166.1	24,300*	26.7	190.0	24,600	31.1	199.8	23,100	37.2	211.9	20,500	42.5	220.2	17,900	47.1	225.5	15,400				165
170	9.0	143.8	20,900*	22.3	178.8	23,400	27.4	190.7	21,900	34.1	204.8	19,400	39.7	214.3	16,900	44.6	220.6	14,500				170
175				16.9	164.4	22,200	23.1	179.9	20,700	30.8	196.8	18,300	36.8	207.9	15,900	42.0	215.2	13,600	46.4	219.6	11,300	175
180				8.3	141.2	21,000	17.8	166.1	19,600	27.0	187.5	17,300	33.7	200.7	15,000	39.2	209.2	12,800	43.9	214.5	10,600	180
185							10.2	145.4	18,600	22.6	176.5	16,400	30.3	192.5	14,200	36.2	202.7	12,000	41.2	209.0	9,900	185
190										17.3	162.4	15,500	26.4	183.1	13,400	33.0	195.3	11,200	38.4	202.9	9,200	190
195										9.2	140.3	14,600	22.0	171.7	12,600	29.5	186.9	10,500	35.4	196.1	8,500	195
200													16.4	157.0	11,800	25.6	177.1	9,900	32.1	188.5	7,900	200
205													7.3	132.2	11,000	21.0	165.3	9,200	28.5	179.8	7,300	205
210																15.0	149.5	8,500	24.4	169.5	6,800	210
215																3.0	116.2	7,800	19.5	156.8	6,200	215
220																			12.9	139.1	5,600	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	71,800																80
85	64.9	273.6	68,500*	68.5	277.0	66,000																85
90	63.0	271.1	63,100*	66.7	274.9	60,900																90
95	61.1	268.4	58,300*	64.8	272.6	56,500	67.0	274.3	53,500													95
100	59.2	265.4	54,100*	62.9	270.1	52,500	65.1	272.0	49,700													100
105	57.2	262.3	50,400*	61.0	267.3	49,000	63.2	269.5	46,300													105
110	55.1	258.9	47,000*	59.1	264.4	45,800	61.3	266.9	43,300													110
115	53.0	255.2	44,000*	57.1	261.2	42,900	59.4	264.0	40,500													115
120	50.9	251.2	41,300*	55.0	257.8	40,300	57.4	260.8	38,000	61.1	264.4	34,300										120
125	48.7	246.9	38,800*	52.9	254.1	37,900	55.4	257.4	35,800	59.2	261.4	32,200										125
130	46.4	242.3	36,500*	50.8	250.1	35,700	53.3	253.8	33,700	57.2	258.3	30,200										130
135	44.0	237.2	34,400*	48.6	245.8	33,700	51.1	249.9	31,700	55.2	254.9	28,400										135
140	41.5	231.7	32,500*	46.2	241.2	31,900	48.9	245.6	30,000	53.1	251.2	26,800	56.9	254.8	23,700							140
145	38.8	225.7	30,800*	43.8	236.1	30,100	46.6	241.0	28,300	50.9	247.2	25,300	54.9	251.3	22,300							145
150	36.0	219.1	29,100*	41.3	230.6	28,500	44.2	236.0	26,800	48.7	243.0	23,800	52.8	247.6	21,000							150
155	33.0	211.7	27,600*	38.7	224.5	27,000	41.7	230.5	25,300	46.4	238.3	22,500	50.6	243.6	19,800							155
160	29.7	203.3	26,200*	35.9	217.8	25,600	39.1	224.6	24,000	44.0	233.3	21,300	48.4	239.3	18,600	52.4	243.0	16,000				160
165	26.1	193.7	24,800*	32.9	210.4	24,300	36.3	218.0	22,800	41.5	227.8	20,100	46.1	234.6	17,500	50.2	238.9	15,000				165
170	21.9	182.3	23,600*	29.6	202.0	23,100	33.4	210.7	21,600	38.9	221.8	19,000	43.7	229.5	16,500	47.9	234.5	14,100				170
175	16.6	167.6	21,700*	25.9	192.3	21,900	30.1	202.5	20,500	36.1	215.1	18,000	41.2	223.9	15,600	45.6	229.7	13,200				175
180	8.7	144.5	18,600*	21.6	180.7	20,800	26.5	193.1	19,400	33.1	207.8	17,000	38.5	217.8	14,700	43.2	224.6	12,400	47.3	228.6	10,200	180
185				16.3	165.8	19,800	22.4	181.8	18,400	29.8	199.5	16,100	35.7	211.1	13,900	40.6	218.9	11,600	45.0	223.7	9,500	185
190				8.1	141.8	18,700	17.3	167.6	17,400	26.2	189.9	15,200	32.6	203.6	13,100	37.9	212.7	10,900	42.5	218.4	8,800	190
195							9.9	146.2	16,500	21.9	178.4	14,400	29.3	195.1	12,300	35.1	205.8	10,200	39.9	212.6	8,200	195
200										16.7	163.8	13,600	25.6	185.3	11,600	32.0	198.2	9,500	37.2	206.3	7,600	200
205										8.9	141.1	12,800	21.3	173.6	10,900	28.6	189.5	8,900	34.3	199.2	7,000	205
210													15.9	158.3	10,200	24.8	179.3	8,300	31.1	191.3	6,400	210
215													7.1	132.8	9,500	20.3	167.0	7,700	27.6	182.2	5,900	215
220																14.6	150.7	7,100	23.7	171.6	5,400	220
225																2.9	116.4	6,500	18.9	158.5	4,900	225
230																			12.5	140.2	4,400	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	65,400																85
90	64.6	282.2	62,200*	68.0	285.7	60,300																90
95	62.9	279.7	57,800*	66.3	283.6	55,900																95
100	61.1	277.0	53,600*	64.6	281.2	51,900	66.6	283.0	49,100													100
105	59.2	274.1	49,800*	62.8	278.7	48,400	64.8	280.7	45,700													105
110	57.3	271.0	46,500*	61.0	276.0	45,200	63.1	278.2	42,700													110
115	55.4	267.6	43,500*	59.1	273.1	42,400	61.3	275.5	39,900													115
120	53.4	264.0	40,700*	57.2	269.9	39,700	59.4	272.6	37,400	62.9	275.7	33,600										120
125	51.4	260.1	38,200*	55.3	266.5	37,400	57.5	269.5	35,200	61.1	273.0	31,500										125
130	49.3	255.9	36,000*	53.3	262.9	35,200	55.6	266.2	33,100	59.2	270.1	29,600										130
135	47.2	251.3	33,900*	51.3	259.0	33,200	53.7	262.6	31,100	57.4	267.0	27,800										135
140	45.0	246.4	32,000*	49.2	254.8	31,300	51.7	258.7	29,400	55.4	263.6	26,200										140
145	42.7	241.2	30,200*	47.1	250.2	29,600	49.6	254.5	27,700	53.5	260.0	24,600	57.1	263.5	21,600							145
150	40.2	235.4	28,600*	44.9	245.3	28,000	47.4	250.0	26,200	51.5	256.1	23,200	55.2	260.1	20,300							150
155	37.7	229.1	27,100*	42.5	240.0	26,500	45.2	245.2	24,800	49.4	251.9	21,900	53.2	256.4	19,100							155
160	35.0	222.2	25,600*	40.1	234.2	25,100	42.9	239.9	23,400	47.2	247.4	20,700	51.2	252.5	17,900							160
165	32.1	214.6	24,300*	37.5	227.9	23,800	40.5	234.3	22,200	45.0	242.5	19,500	49.1	248.2	16,900	52.8	251.8	14,300				165
170	28.9	205.9	23,100*	34.8	221.0	22,600	38.0	228.0	21,000	42.7	237.2	18,400	46.9	243.6	15,900	50.8	247.8	13,400				170
175	25.3	196.0	21,900*	31.9	213.3	21,400	35.3	221.2	19,900	40.3	231.5	17,400	44.7	238.7	14,900	48.7	243.5	12,500				175
180	21.2	184.1	20,800*	28.7	204.6	20,300	32.4	213.6	18,900	37.7	225.2	16,500	42.4	233.4	14,100	46.5	238.8	11,700				180
185	16.2	169.0	19,100*	25.1	194.6	19,300	29.2	205.1	17,900	35.0	218.3	15,500	39.9	227.6	13,200	44.2	233.8	11,000				185
190	8.4	145.2	16,300*	21.0	182.6	18,300	25.7	195.3	16,900	32.1	210.7	14,700	37.4	221.2	12,400	41.9	228.4	10,200	45.9	232.9	8,100	190
195				15.9	167.2	17,400	21.7	183.7	16,000	28.9	202.0	13,900	34.6	214.2	11,700	39.4	222.5	9,500	43.6	227.8	7,500	195
200				7.8	142.5	16,400	16.8	169.1	15,200	25.4	192.1	13,100	31.7	206.5	11,000	36.8	216.0	8,900	41.2	222.2	6,900	200
205							9.6	147.1	14,300	21.3	180.3	12,300	28.5	197.7	10,300	34.1	208.9	8,300	38.7	216.2	6,300	205
210										16.3	165.3	11,600	24.9	187.5	9,600	31.1	200.9	7,700	36.1	209.5	5,800	210
215										8.6	141.8	10,800	20.7	175.4	9,000	27.8	191.9	7,100	33.3	202.2	5,200	215
220													15.4	159.7	8,400	24.1	181.5	6,500	30.2	194.0	4,700	220
225													6.9	133.3	7,700	19.7	168.8	6,000	26.8	184.6	4,300	225
230																14.2	151.9	5,500				230
235																2.8	116.6	4,900				235

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	64,800																85
90	66.1	293.3	58,300*	69.3	296.5	59,800																90
95	64.4	290.9	55,700*	67.6	294.5	55,300																95
100	62.7	288.4	53,100*	66.0	292.3	51,400	67.9	293.9	48,500													100
105	61.0	285.7	49,300*	64.3	289.9	47,900	66.3	291.7	45,100													105
110	59.3	282.8	46,000*	62.6	287.4	44,700	64.6	289.4	42,100													110
115	57.5	279.6	43,000*	60.9	284.7	41,800	62.9	286.9	39,400													115
120	55.7	276.3	40,200*	59.2	281.7	39,200	61.2	284.2	36,900													120
125	53.8	272.7	37,800*	57.4	278.6	36,800	59.4	281.3	34,600	62.7	284.4	30,900										125
130	51.9	268.9	35,500*	55.6	275.2	34,600	57.7	278.2	32,500	61.0	281.7	29,000										130
135	49.9	264.7	33,400*	53.7	271.6	32,600	55.9	274.9	30,600	59.3	278.8	27,200										135
140	47.9	260.3	31,500*	51.8	267.8	30,800	54.0	271.3	28,800	57.5	275.6	25,600										140
145	45.9	255.6	29,700*	49.9	263.7	29,100	52.1	267.5	27,200	55.7	272.3	24,000										145
150	43.7	250.5	28,100*	47.8	259.2	27,500	50.2	263.4	25,700	53.8	268.7	22,600	57.3	272.1	19,700							150
155	41.5	245.0	26,600*	45.8	254.5	26,000	48.2	259.0	24,200	51.9	264.9	21,300	55.4	268.8	18,500							155
160	39.1	239.0	25,100*	43.6	249.3	24,600	46.1	254.3	22,900	50.0	260.8	20,100	53.6	265.1	17,300							160
165	36.6	232.5	23,800*	41.3	243.8	23,300	43.9	249.2	21,700	48.0	256.4	19,000	51.7	261.3	16,300							165
170	34.0	225.3	22,600*	39.0	237.8	22,100	41.7	243.8	20,500	45.9	251.6	17,900	49.7	257.1	15,300							170
175	31.2	217.4	21,400*	36.5	231.2	20,900	39.4	237.8	19,400	43.7	246.5	16,900	47.7	252.7	14,400	51.3	256.6	11,900				175
180	28.1	208.4	20,300*	33.9	224.0	19,900	36.9	231.4	18,400	41.5	241.0	15,900	45.6	247.9	13,500	49.3	252.4	11,100				180
185	24.6	198.2	19,300*	31.0	216.1	18,800	34.3	224.3	17,400	39.2	235.0	15,000	43.4	242.7	12,600	47.3	247.9	10,400				185
190	20.6	185.9	18,300*	27.9	207.1	17,900	31.5	216.5	16,500	36.7	228.5	14,100	41.2	237.2	11,900	45.2	243.0	9,600				190
195	15.7	170.3	16,700*	24.4	196.7	16,900	28.4	207.6	15,600	34.0	221.4	13,300	38.8	231.1	11,100	43.0	237.8	9,000	46.7	242.0	6,900	195
200	8.2	145.9	14,100*	20.4	184.4	16,000	25.0	197.6	14,700	31.2	213.5	12,600	36.3	224.5	10,400	40.7	232.1	8,300	44.6	237.0	6,300	200
205				15.4	168.6	15,200	21.1	185.6	13,900	28.1	204.5	11,800	33.7	217.3	9,700	38.3	226.0	7,700	42.4	231.7	5,700	205
210				7.6	143.1	14,300	16.3	170.5	13,100	24.7	194.3	11,100	30.8	209.2	9,100	35.8	219.3	7,100	40.1	225.9	5,200	210
215							9.3	147.9	12,400	20.7	182.1	10,400	27.7	200.1	8,500	33.1	211.9	6,500	37.7	219.6	4,700	215
220										15.8	166.6	9,800	24.2	189.7	7,900	30.2	203.6	6,000	35.1	212.7	4,200	220
225										8.4	142.5	9,100	20.1	177.2	7,300	27.0	194.3	5,500				225
230													15.0	161.0	6,700	23.4	183.5	5,000				230
235													6.7	133.9	6,100	19.2	170.4	4,500				235
240																13.8	153.1	4,000				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	54,800																95
100	64.2	299.6	49,000*	67.3	303.2	50,800																100
105	62.6	297.1	46,600*	65.7	301.0	47,300	67.5	302.6	44,500													105
110	60.9	294.3	44,300*	64.1	298.6	44,100	65.9	300.4	41,500													110
115	59.3	291.4	42,100*	62.5	296.1	41,200	64.4	298.1	38,800													115
120	57.6	288.3	39,700*	60.9	293.3	38,600	62.8	295.5	36,300													120
125	55.9	285.0	37,200*	59.2	290.4	36,300	61.1	292.8	34,000													125
130	54.1	281.4	34,900*	57.5	287.3	34,100	59.5	289.9	31,900	62.6	293.1	28,300										130
135	52.3	277.7	32,800*	55.8	283.9	32,100	57.8	286.9	30,000	61.0	290.3	26,500										135
140	50.5	273.6	30,900*	54.0	280.4	30,200	56.1	283.5	28,200	59.3	287.4	24,900										140
145	48.6	269.3	29,200*	52.2	276.6	28,500	54.3	280.0	26,600	57.6	284.3	23,400										145
150	46.6	264.7	27,500*	50.4	272.5	26,900	52.5	276.3	25,100	55.9	281.0	22,000										150
155	44.6	259.7	26,000*	48.5	268.2	25,400	50.7	272.3	23,700	54.2	277.5	20,700	57.4	280.8	17,800							155
160	42.5	254.4	24,600*	46.5	263.5	24,100	48.8	268.0	22,300	52.4	273.7	19,500	55.7	277.5	16,700							160
165	40.4	248.7	23,300*	44.5	258.6	22,800	46.9	263.4	21,100	50.5	269.6	18,300	53.9	273.9	15,600							165
170	38.1	242.4	22,000*	42.4	253.2	21,600	44.9	258.5	19,900	48.6	265.3	17,300	52.1	270.1	14,600							170
175	35.7	235.7	20,900*	40.2	247.5	20,400	42.8	253.2	18,800	46.7	260.7	16,200	50.3	266.0	13,700							175
180	33.1	228.3	19,800*	38.0	241.2	19,300	40.6	247.5	17,800	44.7	255.8	15,300	48.4	261.6	12,800	51.7	265.4	10,400				180
185	30.3	220.1	18,700*	35.5	234.5	18,300	38.3	241.3	16,800	42.6	250.4	14,400	46.4	257.0	12,000	49.9	261.3	9,700				185
190	27.3	210.9	17,800*	33.0	227.0	17,300	35.9	234.6	15,900	40.4	244.7	13,500	44.4	252.0	11,200	48.0	256.9	8,900				190
195	24.0	200.3	16,800*	30.2	218.8	16,400	33.4	227.3	15,000	38.1	238.5	12,700	42.3	246.6	10,500	46.0	252.2	8,300				195
200	20.1	187.7	16,000*	27.2	209.5	15,500	30.7	219.2	14,200	35.7	231.8	12,000	40.1	240.8	9,800	44.0	247.1	7,600	47.4	251.0	5,500	200
205	15.3	171.7	14,500*	23.8	198.8	14,700	27.7	210.1	13,400	33.1	224.4	11,200	37.8	234.5	9,100	41.8	241.6	7,000	45.5	246.2	5,000	205
210	8.0	146.6	12,200*	19.9	186.1	13,900	24.4	199.7	12,600	30.4	216.2	10,500	35.4	227.7	8,500	39.6	235.8	6,400	43.4	241.0	4,500	210
215				15.0	169.9	13,100	20.6	187.4	11,900	27.4	207.0	9,900	32.8	220.2	7,900	37.3	229.4	5,900	41.2	235.4	4,000	215
220				7.4	143.8	12,300	15.9	171.9	11,200	24.1	196.4	9,200	30.0	211.9	7,300	34.9	222.4	5,300				220
225							9.1	148.6	10,500	20.2	183.9	8,600	27.0	202.5	6,700	32.2	214.8	4,800				225
230										15.4	168.0	8,000	23.6	191.8	6,200	29.4	206.3	4,300				230
235										8.2	143.2	7,400	19.6	178.9	5,600							235
240													14.6	162.2	5,100							240
245													6.5	134.4	4,600							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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	153,800b																50
55	53.3	185.5	121,600*	63.6	191.3	135,400b																55
60	47.9	181.2	107,600*	58.9	188.4	120,800b	64.8	191.0	117,100b													60
65	42.0	176.0	96,300*	53.9	185.0	108,900	60.2	188.2	105,500b													65
70	35.3	169.5	87,000*	48.6	180.8	99,000	55.3	184.9	96,000b													70
75	27.1	160.9	79,200*	42.8	175.7	90,700	50.0	181.0	87,900	60.5	186.0	83,200b										75
80	15.2	147.2	72,500*	36.2	169.4	83,500	44.4	176.2	80,900	55.6	182.8	76,600b										80
85				28.2	161.2	77,300	38.0	170.2	74,900	50.4	178.9	71,000										85
90				17.1	148.6	71,700	30.5	162.6	69,600	44.8	174.2	66,000	55.8	179.6	62,300b							90
95							20.6	151.6	64,900	38.5	168.3	61,600	50.6	175.7	58,200							95
100										31.2	160.9	57,600	45.0	171.0	54,500							100
105										21.6	150.3	54,100	38.7	165.2	51,100	50.4	171.3	48,200				105
110													31.4	157.8	48,100	44.7	166.6	45,400				110
115													21.9	147.3	45,400	38.4	160.7	42,800				115
120																31.1	153.3	40,400	44.0	160.9	38,000	120
125																21.4	142.6	38,200	37.6	154.9	36,000	125
130																			30.1	147.2	34,100	130
135																			20.0	135.9	32,300	135

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	153,400b																50
55	58.5	197.7	122,300*	67.1	202.4	135,000b																55
60	54.1	194.2	108,200*	63.2	200.0	120,400b																60
65	49.5	190.2	96,800*	59.0	197.1	108,500	64.2	199.6	105,100b													65
70	44.6	185.4	87,400*	54.7	193.7	98,700	60.1	196.9	95,500													70
75	39.1	179.6	79,600*	50.1	189.8	90,300	55.9	193.7	87,500													75
80	32.9	172.5	72,900*	45.2	185.0	83,200	51.4	189.8	80,600	60.5	194.7	76,100										80
85	25.3	163.1	67,100*	39.8	179.4	77,000	46.5	185.4	74,600	56.2	191.5	70,500										85
90	14.1	148.4	62,000*	33.7	172.5	71,600	41.3	180.0	69,300	51.7	187.7	65,500										90
95				26.3	163.5	66,800	35.4	173.5	64,700	46.9	183.3	61,200	56.3	188.3	57,600							95
100				15.9	149.9	62,500	28.4	165.1	60,600	41.7	178.0	57,300	51.8	184.5	53,900							100
105							19.2	153.3	56,800	35.9	171.6	53,800	47.1	180.1	50,700							105
110										29.0	163.4	50,600	41.9	174.9	47,700	51.7	180.2	44,800				110
115										20.1	152.0	47,700	36.1	168.5	45,000	46.9	175.7	42,300				115
120													29.2	160.4	42,500	41.7	170.4	39,900				120
125													20.4	149.1	40,200	35.8	164.0	37,800	46.3	170.1	35,400	125
130																29.0	155.8	35,900	41.0	164.7	33,600	130
135																20.0	144.4	34,000	35.1	158.1	31,900	135
140																			28.0	149.7	30,300	140
145																			18.6	137.5	28,800	145

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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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	134,600b																55
60	58.7	206.3	108,600*	66.4	211.1	120,000b																60
65	54.8	203.0	97,100*	62.8	208.6	108,200	67.3	210.7	104,700b													65
70	50.8	199.0	87,700*	59.1	205.8	98,300	63.8	208.3	95,100													70
75	46.5	194.5	79,800*	55.3	202.5	90,000	60.1	205.6	87,100													75
80	41.9	189.2	73,000*	51.3	198.6	82,900	56.3	202.4	80,200													80
85	36.7	182.9	67,200*	47.0	194.2	76,700	52.4	198.7	74,200	60.4	203.4	70,000										85
90	30.9	175.2	62,200*	42.5	189.0	71,400	48.2	194.4	69,000	56.6	200.2	65,100										90
95	23.7	165.2	57,700*	37.4	182.8	66,600	43.7	189.4	64,400	52.7	196.5	60,800										95
100	13.2	149.5	53,800*	31.7	175.3	62,400	38.8	183.5	60,300	48.5	192.3	56,900	56.7	197.0	53,500							100
105				24.7	165.7	58,300*	33.3	176.5	56,600	44.1	187.4	53,400	52.8	193.3	50,200							105
110				15.0	151.2	54,300*	26.7	167.5	53,300	39.2	181.6	50,300	48.6	189.1	47,300							110
115							18.1	154.9	50,300	33.7	174.6	47,500	44.2	184.2	44,600	52.7	189.0	41,800				115
120										27.3	165.9	44,900	39.3	178.5	42,200	48.5	184.8	39,500				120
125										18.9	153.7	42,500	33.9	171.5	40,000	44.0	179.8	37,400				125
130													27.5	162.8	37,900	39.1	174.0	35,500	48.0	179.2	33,100	130
135													19.2	150.8	36,000	33.7	167.0	33,700	43.5	174.2	31,500	135
140																27.2	158.2	32,100	38.5	168.2	29,900	140
145																18.8	146.0	30,500	33.0	161.1	28,500	145
150																			26.4	152.0	27,100	150
155																			17.5	139.0	25,800	155

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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	119,600b																60
65	58.8	215.0	97,100*	65.7	219.8	107,700																65
70	55.4	211.7	87,600*	62.5	217.3	97,900	66.6	219.4	94,600													70
75	51.8	207.9	79,700*	59.2	214.4	89,600	63.4	217.0	86,600													75
80	48.0	203.6	72,900*	55.8	211.2	82,500	60.1	214.2	79,700													80
85	43.9	198.6	67,100*	52.2	207.4	76,400	56.7	211.1	73,800													85
90	39.6	192.8	62,000*	48.5	203.2	71,000	53.2	207.4	68,600	60.4	212.0	64,600										90
95	34.7	186.1	57,600*	44.5	198.3	66,300	49.5	203.3	64,000	57.0	208.9	60,200										95
100	29.2	177.8	53,600*	40.1	192.7	62,000	45.5	198.6	59,900	53.5	205.3	56,400										100
105	22.5	167.2	50,100*	35.4	186.0	58,100*	41.3	193.2	56,300	49.8	201.3	52,900	57.1	205.7	49,700							105
110	12.5	150.6	46,900*	30.0	178.0	54,100*	36.7	186.9	53,000	45.9	196.6	49,800	53.6	202.1	46,700							110
115				23.4	167.7	50,600*	31.5	179.3	50,000	41.7	191.2	47,000	49.9	198.1	44,100							115
120				14.2	152.4	47,300*	25.3	169.7	47,300	37.1	185.0	44,500	46.0	193.4	41,700							120
125							17.1	156.3	44,700	31.9	177.5	42,100	41.8	188.1	39,500	49.7	193.7	36,900				125
130										25.8	168.2	40,000	37.2	181.9	37,400	45.8	189.0	35,000				130
135										17.9	155.2	37,900	32.1	174.4	35,600	41.6	183.7	33,200				135
140													26.0	165.1	33,800	37.0	177.4	31,600	45.3	183.4	29,400	140
145													18.1	152.3	32,200	31.8	169.9	30,000	41.1	178.0	27,900	145
150																25.8	160.5	28,600	36.4	171.6	26,600	150
155																17.8	147.5	27,300	31.2	163.9	25,400	155
160																			24.9	154.2	24,200	160
165																			16.6	140.5	23,000	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	119,100																60
65	61.9	226.6	99,900*	68.1	230.7	107,300																65
70	58.9	223.7	90,100*	65.2	228.5	97,400																70
75	55.8	220.4	81,900*	62.3	226.0	89,200	66.0	228.1	86,100													75
80	52.6	216.7	74,900*	59.3	223.1	82,100	63.1	225.7	79,200													80
85	49.2	212.5	68,900*	56.2	219.9	75,900	60.1	222.9	73,300													85
90	45.6	207.8	63,600*	53.0	216.2	70,600	57.0	219.7	68,100													90
95	41.8	202.4	59,100*	49.6	212.1	65,800	53.8	216.2	63,500	60.3	220.7	59,700										95
100	37.6	196.3	55,000*	46.0	207.5	61,600	50.5	212.2	59,500	57.3	217.6	55,900										100
105	33.1	189.0	51,400*	42.3	202.2	57,900	47.0	207.7	55,900	54.1	214.1	52,500										105
110	27.8	180.3	48,200*	38.2	196.1	54,500	43.3	202.6	52,600	50.8	210.1	49,400	57.3	214.3	46,200							110
115	21.4	169.0	45,200*	33.7	189.1	51,400	39.3	196.8	49,600	47.3	205.7	46,600	54.2	210.9	43,600							115
120	11.9	151.6	40,700*	28.5	180.5	48,600*	34.9	190.0	46,900	43.6	200.6	44,000	50.9	206.9	41,200							120
125				22.3	169.7	45,600*	29.9	182.0	44,400	39.6	194.9	41,700	47.4	202.5	39,000							125
130				13.5	153.5	42,900*	24.1	171.9	42,200	35.3	188.2	39,600	43.7	197.5	37,000	50.7	202.6	34,400				130
135							16.3	157.7	40,000	30.4	180.2	37,600	39.7	191.7	35,100	47.2	198.1	32,700				135
140										24.6	170.3	35,700	35.4	185.1	33,400	43.5	193.1	31,100				140
145										17.0	156.7	34,000	30.5	177.1	31,800	39.6	187.3	29,600	46.8	192.5	27,400	145
150													24.8	167.3	30,300	35.2	180.6	28,200	43.1	187.4	26,100	150
155													17.3	153.8	28,900	30.3	172.6	26,900	39.1	181.5	24,900	155
160																24.5	162.7	25,600	34.7	174.7	23,700	160
165																16.9	149.0	24,500	29.7	166.5	22,700	165
170																			23.7	156.3	21,600	170
175																			15.8	141.8	20,600	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	106,800																65
70	61.8	235.2	89,800*	67.4	239.5	97,000																70
75	59.0	232.3	81,500*	64.8	237.2	88,700																75
80	56.2	229.1	74,500*	62.1	234.6	81,600	65.5	236.8	78,800													80
85	53.2	225.5	68,500*	59.4	231.8	75,500	62.8	234.3	72,800													85
90	50.1	221.4	63,300*	56.5	228.6	70,200	60.1	231.5	67,700													90
95	46.9	216.9	58,700*	53.6	225.0	65,400	57.3	228.4	63,100	63.0	232.1	59,200										95
100	43.5	211.8	54,600*	50.5	221.0	61,200	54.4	224.9	59,000	60.3	229.3	55,400										100
105	39.9	206.1	51,000*	47.3	216.5	57,500	51.3	221.1	55,400	57.5	226.3	52,000										105
110	36.0	199.5	47,700*	44.0	211.5	54,100	48.2	216.8	52,200	54.6	222.8	48,900										110
115	31.6	191.9	44,800*	40.4	205.9	51,100	44.9	211.9	49,200	51.6	219.0	46,100	57.6	223.0	43,000							115
120	26.6	182.7	42,200*	36.5	199.5	48,200*	41.3	206.4	46,500	48.4	214.7	43,600	54.7	219.6	40,600							120
125	20.4	170.8	39,700*	32.2	192.0	45,200*	37.5	200.2	44,100	45.1	209.9	41,200	51.7	215.8	38,500							125
130	11.4	152.5	35,900*	27.2	183.0	42,500*	33.3	193.0	41,800	41.6	204.5	39,100	48.5	211.5	36,500							130
135				21.3	171.6	40,100*	28.6	184.5	39,700	37.8	198.3	37,200	45.2	206.7	34,600	51.6	211.4	32,100				135
140				12.9	154.6	37,800*	23.0	173.9	37,800	33.7	191.2	35,300	41.7	201.3	32,900	48.4	207.1	30,500				140
145							15.5	159.1	35,900	29.0	182.8	33,600	37.9	195.2	31,300	45.1	202.3	29,000				145
150										23.5	172.4	32,100	33.8	188.1	29,900	41.6	196.9	27,700	48.0	201.6	25,500	150
155										16.2	158.1	30,600	29.1	179.7	28,500	37.8	190.7	26,400	44.7	196.7	24,300	155
160													23.7	169.4	27,200	33.6	183.6	25,200	41.1	191.2	23,200	160
165													16.5	155.2	25,900	29.0	175.2	24,000	37.3	184.9	22,100	165
170																23.4	164.7	22,900	33.1	177.7	21,100	170
175																16.1	150.4	21,900	28.4	169.1	20,200	175
180																			22.7	158.3	19,300	180
185																			15.0	143.1	18,400	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	96,700																70
75	61.6	243.9	82,000*	66.9	248.2	88,400																75
80	59.1	241.0	74,900*	64.4	245.9	81,400	67.5	247.8	78,500													80
85	56.5	237.8	68,800*	61.9	243.3	75,300	65.1	245.5	72,600													85
90	53.8	234.2	63,500*	59.4	240.4	69,900	62.6	243.0	67,400													90
95	51.0	230.3	58,800*	56.8	237.2	65,200	60.1	240.2	62,800													95
100	48.0	225.9	54,700*	54.1	233.7	61,000	57.5	237.1	58,800	62.8	240.8	55,100										100
105	45.0	221.1	51,100*	51.3	229.8	57,300	54.8	233.7	55,200	60.3	238.0	51,700										105
110	41.7	215.7	47,800*	48.4	225.5	53,900	52.1	229.9	51,900	57.7	234.9	48,600										110
115	38.2	209.6	44,900*	45.4	220.8	50,900	49.2	225.7	49,000	55.0	231.5	45,800										115
120	34.5	202.7	42,200*	42.1	215.4	48,100	46.2	221.1	46,300	52.3	227.8	43,300	57.8	231.7	40,400							120
125	30.3	194.6	39,700*	38.7	209.4	45,200*	43.0	215.9	43,900	49.4	223.6	41,000	55.1	228.3	38,200							125
130	25.5	184.9	37,500*	35.0	202.6	42,500*	39.6	210.1	41,600	46.4	219.0	38,900	52.3	224.6	36,200							130
135	19.6	172.5	35,500*	30.8	194.7	40,100*	36.0	203.5	39,600	43.3	213.9	36,900	49.5	220.4	34,400							135
140	10.9	153.4	32,000*	26.1	185.3	37,800*	32.0	195.9	37,600	39.9	208.1	35,100	46.5	215.8	32,700	52.2	220.2	30,300				140
145				20.4	173.3	35,700*	27.5	186.9	35,900	36.3	201.6	33,500	43.3	210.7	31,100	49.4	216.1	28,800				145
150				12.3	155.7	33,800*	22.1	175.8	34,200	32.3	194.1	31,900	40.0	205.0	29,600	46.4	211.4	27,400				150
155							14.9	160.4	32,600	27.8	185.3	30,500	36.4	198.5	28,300	43.2	206.3	26,100				155
160										22.5	174.4	29,100	32.4	191.0	27,000	39.9	200.6	24,900	46.0	205.8	22,900	160
165										15.6	159.4	27,800	28.0	182.2	25,800	36.2	194.0	23,800	42.8	200.6	21,900	165
170													22.7	171.4	24,700	32.3	186.5	22,800	39.4	194.8	20,900	170
175													15.8	156.6	23,600	27.8	177.7	21,800	35.8	188.2	20,000	175
180																22.5	166.7	20,800	31.8	180.5	19,100	180
185																15.5	151.7	19,900	27.2	171.5	18,200	185
190																			21.8	160.2	17,400	190
195																			14.4	144.4	16,600	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	87,200																70
75	63.8	255.2	81,600*	68.6	259.1	79,400																75
80	61.5	252.6	74,500*	66.4	256.9	72,700																80
85	59.1	249.7	68,400*	64.1	254.6	66,900	67.0	256.5	63,300													85
90	56.7	246.5	63,100*	61.8	252.0	61,900	64.7	254.2	58,500													90
95	54.2	243.0	58,400*	59.4	249.1	57,500	62.4	251.7	54,300													95
100	51.6	239.1	54,300*	57.0	245.9	53,500	60.1	248.9	50,500													100
105	49.0	234.9	50,600*	54.5	242.5	50,000	57.7	245.8	47,200	62.6	249.4	42,500										105
110	46.2	230.2	47,300*	52.0	238.7	46,800	55.2	242.4	44,100	60.3	246.7	39,700										110
115	43.2	225.1	44,400*	49.3	234.5	44,000	52.7	238.7	41,400	57.9	243.6	37,200										115
120	40.1	219.3	41,700*	46.5	229.9	41,300	50.0	234.6	38,900	55.4	240.2	34,900										120
125	36.8	212.9	39,300*	43.6	224.8	39,000	47.3	230.1	36,600	52.9	236.6	32,800	57.9	240.4	29,000							125
130	33.2	205.6	37,100*	40.5	219.1	36,800	44.4	225.2	34,600	50.2	232.5	30,900	55.5	237.0	27,300							130
135	29.1	197.2	35,000*	37.2	212.8	34,800	41.3	219.7	32,600	47.5	228.1	29,100	52.9	233.3	25,700							135
140	24.5	187.1	33,100*	33.6	205.6	32,900	38.1	213.5	30,900	44.6	223.1	27,500	50.3	229.3	24,200							140
145	18.9	174.2	31,400*	29.7	197.4	31,100	34.6	206.6	29,200	41.6	217.7	26,000	47.6	224.9	22,800	52.8	229.0	19,600				145
150	10.5	154.3	28,300*	25.1	187.5	29,500	30.8	198.7	27,700	38.4	211.6	24,600	44.7	220.0	21,500	50.2	225.0	18,500				150
155				19.7	175.1	28,000	26.4	189.3	26,200	34.9	204.8	23,200	41.7	214.5	20,300	47.4	220.5	17,400				155
160				11.9	156.7	26,500	21.2	177.7	24,800	31.1	196.9	22,000	38.5	208.5	19,200	44.6	215.6	16,400	47.1	214.9	12,800	160
165							14.3	161.6	23,500	26.8	187.7	20,800	35.0	201.6	18,100	41.6	210.1	15,400	44.2	209.9	12,000	165
170										21.7	176.3	19,700	31.2	193.8	17,100	38.3	204.0	14,500				170
175										15.0	160.7	18,600	26.9	184.6	16,100	34.9	197.2	13,600	41.2	204.4	11,200	175
180													21.8	173.3	15,200	31.0	189.3	12,800	37.9	198.2	10,500	180
185													15.2	157.9	14,300	26.7	180.0	12,100	34.4	191.3	9,800	185
190																21.6	168.6	11,300	30.6	183.3	9,100	190
195																14.9	153.0	10,600	26.2	173.8	8,500	195
200																			20.9	162.0	7,900	200
205																			13.9	145.5	7,300	205

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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	78,700																75
80	63.6	263.9	75,200*	68.0	267.8	72,100																80
85	61.4	261.2	69,000*	66.0	265.6	66,300																85
90	59.2	258.3	63,600*	63.8	263.3	61,300	66.5	265.2	57,900													90
95	56.9	255.1	58,900*	61.7	260.6	56,900	64.4	262.9	53,700													95
100	54.6	251.7	54,700*	59.5	257.7	52,900	62.3	260.3	49,900													100
105	52.2	247.9	51,000*	57.2	254.6	49,400	60.1	257.5	46,500													105
110	49.8	243.8	47,700*	54.9	251.2	46,200	57.8	254.4	43,500	62.4	258.1	39,000										110
115	47.2	239.3	44,700*	52.5	247.4	43,400	55.5	251.1	40,800	60.2	255.3	36,500										115
120	44.5	234.3	42,000*	50.1	243.4	40,800	53.2	247.4	38,300	58.0	252.3	34,200										120
125	41.7	228.9	39,500*	47.5	238.9	38,400	50.7	243.5	36,100	55.7	248.9	32,200										125
130	38.7	222.9	37,300*	44.8	234.0	36,200	48.2	239.1	34,000	53.4	245.3	30,300										130
135	35.5	216.1	35,200*	42.0	228.7	34,200	45.6	234.3	32,100	50.9	241.4	28,500	55.8	245.7	25,000							135
140	32.0	208.5	33,300*	39.1	222.7	32,400	42.8	229.1	30,300	48.4	237.0	26,900	53.4	242.1	23,500							140
145	28.1	199.7	31,500*	35.9	216.1	30,600	39.9	223.3	28,700	45.8	232.3	25,400	51.0	238.2	22,100							145
150	23.7	189.2	29,900*	32.4	208.6	29,000	36.8	216.9	27,100	43.0	227.1	24,000	48.5	233.8	20,800							150
155	18.2	175.8	28,000*	28.6	199.9	27,500	33.4	209.6	25,700	40.1	221.4	22,700	45.8	229.1	19,600	50.9	233.8	16,700				155
160	10.1	155.2	24,300*	24.3	189.6	26,100	29.7	201.3	24,400	37.0	215.0	21,400	43.1	223.9	18,500	48.4	229.5	15,700				160
165				19.0	176.7	24,800	25.5	191.5	23,100	33.7	207.8	20,300	40.2	218.2	17,500	45.7	224.7	14,700				165
170				11.4	157.7	23,500	20.5	179.5	21,900	30.0	199.6	19,200	37.1	211.9	16,500	43.0	219.5	13,900				170
175							13.8	162.8	20,700	25.8	189.9	18,200	33.8	204.7	15,600	40.1	213.8	13,000	45.4	219.1	10,500	175
180										20.9	178.1	17,200	30.1	196.5	14,700	37.0	207.4	12,200	42.6	213.9	9,800	180
185										14.5	161.9	16,200	26.0	186.9	13,800	33.6	200.2	11,500	39.7	208.0	9,100	185
190													21.1	175.1	13,000	29.9	192.0	10,700	36.6	201.6	8,500	190
195													14.7	159.2	12,200	25.8	182.3	10,000	33.2	194.3	7,900	195
200																20.9	170.4	9,400	29.5	185.9	7,300	200
205																14.4	154.2	8,700	25.2	176.0	6,700	205
210																			20.2	163.8	6,200	210
215																			13.4	146.7	5,600	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	71,500																80
85	63.4	272.6	69,200*	67.6	276.6	65,700																85
90	61.3	269.9	63,700*	65.6	274.4	60,700																90
95	59.3	267.0	58,900*	63.6	271.9	56,300	66.1	273.9	53,000													95
100	57.1	263.8	54,700*	61.6	269.3	52,300	64.1	271.6	49,300													100
105	55.0	260.4	50,900*	59.5	266.4	48,800	62.1	269.0	45,900													105
110	52.7	256.7	47,500*	57.4	263.3	45,700	60.1	266.2	42,900													110
115	50.4	252.7	44,500*	55.2	259.9	42,800	58.0	263.1	40,200	62.3	266.8	35,800										115
120	48.1	248.3	41,800*	53.0	256.2	40,200	55.8	259.8	37,700	60.2	264.0	33,600										120
125	45.6	243.5	39,300*	50.7	252.2	37,800	53.6	256.2	35,400	58.1	260.9	31,500										125
130	43.0	238.3	37,000*	48.4	247.9	35,700	51.3	252.3	33,400	56.0	257.6	29,600										130
135	40.3	232.6	34,900*	45.9	243.2	33,700	49.0	248.1	31,500	53.8	254.1	27,800										135
140	37.4	226.3	33,000*	43.3	238.0	31,800	46.6	243.4	29,700	51.5	250.2	26,200	56.0	254.4	22,800							140
145	34.3	219.2	31,200*	40.6	232.4	30,100	44.0	238.4	28,100	49.2	246.0	24,700	53.8	250.9	21,400							145
150	30.9	211.3	29,500*	37.8	226.1	28,500	41.4	232.9	26,600	46.7	241.4	23,300	51.6	247.0	20,100							150
155	27.2	202.1	28,000*	34.7	219.2	27,000	38.5	226.8	25,100	44.2	236.4	22,000	49.2	242.8	19,000							155
160	22.9	191.2	26,600*	31.4	211.4	25,600	35.5	220.1	23,800	41.6	230.9	20,800	46.8	238.2	17,800	51.5	242.6	15,000				160
165	17.6	177.3	24,800*	27.7	202.4	24,300	32.3	212.5	22,600	38.8	224.9	19,700	44.3	233.2	16,800	49.2	238.4	14,000				165
170	9.8	156.0	21,500*	23.5	191.7	23,100	28.7	203.9	21,400	35.8	218.2	18,600	41.6	227.8	15,800	46.7	233.8	13,100				170
175				18.3	178.3	21,900	24.6	193.7	20,300	32.5	210.7	17,600	38.8	221.8	14,900	44.2	228.8	12,300				175
180				11.1	158.6	20,700	19.8	181.2	19,200	29.0	202.2	16,600	35.9	215.1	14,000	41.5	223.4	11,500	46.4	228.2	9,100	180
185							13.4	163.9	18,200	25.0	192.2	15,700	32.6	207.6	13,200	38.7	217.3	10,800	43.9	223.2	8,400	185
190										20.2	179.9	14,800	29.1	199.1	12,400	35.7	210.6	10,100	41.2	217.6	7,800	190
195										14.0	163.1	14,000	25.1	189.1	11,700	32.5	203.1	9,400	38.4	211.5	7,200	195
200													20.4	176.9	11,000	29.0	194.6	8,700	35.4	204.8	6,600	200
205													14.2	160.4	10,200	24.9	184.5	8,100	32.1	197.1	6,000	205
210																20.2	172.2	7,500	28.5	188.4	5,500	210
215																13.9	155.4	6,900	24.4	178.2	5,000	215
220																			19.5	165.5	4,500	220
225																			12.9	147.8	4,000	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	71,000																80
85	65.0	283.7	68,900*	68.9	287.4	65,300																85
90	63.2	281.2	63,400*	67.1	285.3	60,300																90
95	61.2	278.6	58,600*	65.3	283.1	55,900	67.6	284.9	52,600													95
100	59.3	275.6	54,400*	63.4	280.6	51,900	65.8	282.7	48,800													100
105	57.3	272.5	50,600*	61.5	277.9	48,400	63.9	280.3	45,500													105
110	55.3	269.1	47,200*	59.5	275.1	45,300	62.0	277.7	42,500													110
115	53.2	265.5	44,200*	57.6	272.0	42,400	60.1	274.8	39,800													115
120	51.0	261.5	41,500*	55.5	268.6	39,800	58.1	271.8	37,300	62.1	275.4	33,100										120
125	48.8	257.2	39,000*	53.4	265.0	37,500	56.1	268.5	35,100	60.2	272.6	31,100										125
130	46.5	252.6	36,700*	51.3	261.1	35,300	54.0	264.9	33,000	58.2	269.6	29,200										130
135	44.1	247.6	34,600*	49.1	256.8	33,300	51.9	261.1	31,100	56.2	266.3	27,400										135
140	41.6	242.1	32,700*	46.8	252.3	31,500	49.7	257.0	29,300	54.2	262.8	25,800										140
145	39.0	236.1	30,900*	44.4	247.3	29,800	47.4	252.5	27,700	52.0	259.0	24,300	56.3	263.1	21,000							145
150	36.2	229.6	29,200*	42.0	241.9	28,200	45.1	247.6	26,200	49.9	254.9	23,000	54.2	259.6	19,700							150
155	33.2	222.2	27,700*	39.3	236.0	26,700	42.6	242.3	24,800	47.6	250.4	21,700	52.1	255.8	18,600							155
160	30.0	214.0	26,300*	36.6	229.5	25,300	40.1	236.6	23,500	45.3	245.6	20,500	49.9	251.7	17,500							160
165	26.4	204.4	24,900*	33.6	222.2	24,000	37.3	230.2	22,300	42.8	240.3	19,300	47.7	247.2	16,400	52.0	251.4	13,600				165
170	22.2	193.1	23,700*	30.4	214.1	22,800	34.4	223.2	21,100	40.3	234.6	18,300	45.3	242.4	15,500	49.8	247.3	12,800				170
175	17.1	178.8	22,000*	26.8	204.8	21,600	31.3	215.3	20,000	37.5	228.3	17,300	42.9	237.2	14,600	47.6	242.9	11,900				175
180	9.5	156.8	19,100*	22.7	193.7	20,500	27.8	206.4	19,000	34.7	221.4	16,300	40.3	231.5	13,700	45.2	238.0	11,100				180
185				17.8	179.9	19,500	23.9	195.8	18,000	31.5	213.6	15,400	37.6	225.2	12,900	42.8	232.8	10,400	47.3	237.3	8,000	185
190				10.7	159.5	18,500	19.2	182.9	17,000	28.1	204.7	14,600	34.7	218.2	12,100	40.2	227.0	9,700	45.0	232.4	7,400	190
195							13.0	165.0	16,100	24.2	194.3	13,700	31.6	210.5	11,400	37.5	220.7	9,100	42.5	227.1	6,800	195
200										19.6	181.6	13,000	28.2	201.6	10,700	34.6	213.8	8,400	39.9	221.3	6,200	200
205										13.5	164.3	12,200	24.3	191.3	10,000	31.5	206.0	7,800	37.2	214.9	5,700	205
210													19.8	178.7	9,400	28.1	197.1	7,200	34.3	207.9	5,200	210
215													13.8	161.6	8,700	24.2	186.7	6,700	31.1	199.9	4,700	215
220																19.6	173.9	6,100	27.6	190.9	4,200	220
225																13.5	156.6	5,600				225

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
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THE SCOPE OF ANSI B30.5

M-250

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	64,700																85
90	64.8	292.4	62,200*	68.5	296.1	59,700																90
95	63.0	289.9	58,100*	66.7	294.0	55,300																95
100	61.2	287.2	53,900*	65.0	291.8	51,400	67.2	293.6	48,200													100
105	59.3	284.3	50,100*	63.2	289.3	47,900	65.5	291.4	44,900													105
110	57.5	281.2	46,700*	61.4	286.6	44,700	63.7	288.9	41,900													110
115	55.5	277.8	43,700*	59.6	283.7	41,900	61.9	286.3	39,200													115
120	53.6	274.2	40,900*	57.7	280.6	39,300	60.1	283.5	36,700													120
125	51.6	270.3	38,400*	55.8	277.3	36,900	58.2	280.5	34,500	62.0	284.1	30,400										125
130	49.5	266.2	36,100*	53.8	273.7	34,800	56.3	277.2	32,400	60.2	281.3	28,500										130
135	47.4	261.7	34,000*	51.8	269.9	32,800	54.4	273.7	30,500	58.3	278.3	26,800										135
140	45.1	256.8	32,100*	49.8	265.7	30,900	52.4	269.9	28,800	56.4	275.0	25,200										140
145	42.8	251.5	30,300*	47.6	261.3	29,200	50.3	265.8	27,100	54.5	271.5	23,700										145
150	40.4	245.8	28,700*	45.4	256.5	27,600	48.2	261.5	25,600	52.5	267.8	22,300	56.5	271.8	19,000							150
155	37.9	239.6	27,200*	43.1	251.3	26,200	46.0	256.8	24,200	50.5	263.7	21,000	54.6	268.3	17,900							155
160	35.2	232.7	25,700*	40.7	245.6	24,800	43.7	251.7	22,900	48.4	259.4	19,800	52.6	264.6	16,800							160
165	32.3	225.1	24,400*	38.2	239.4	23,500	41.4	246.1	21,700	46.2	254.7	18,700	50.5	260.5	15,800							165
170	29.1	216.6	23,100*	35.5	232.7	22,300	38.9	240.1	20,500	43.9	249.6	17,600	48.4	256.2	14,800	52.5	260.2	12,000				170
175	25.6	206.7	22,000*	32.6	225.2	21,100	36.2	233.5	19,400	41.5	244.2	16,600	46.2	251.5	13,900	50.4	256.2	11,200				175
180	21.5	195.0	20,900*	29.5	216.7	20,000	33.4	226.2	18,400	39.1	238.2	15,700	44.0	246.5	13,000	48.3	251.8	10,400				180
185	16.6	180.2	19,400*	26.1	207.1	19,000	30.4	218.0	17,400	36.4	231.6	14,800	41.6	241.0	12,200	46.2	247.2	9,700				185
190	9.2	157.6	16,700*	22.1	195.7	18,000	27.0	208.8	16,500	33.6	224.4	14,000	39.1	235.0	11,500	43.9	242.1	9,000				190
195				17.3	181.4	17,100	23.2	197.9	15,600	30.6	216.3	13,200	36.5	228.5	10,700	41.5	236.6	8,400	45.9	241.5	6,100	195
200				10.4	160.4	16,200	18.7	184.5	14,800	27.3	207.1	12,400	33.7	221.3	10,100	39.0	230.6	7,700	43.6	236.4	5,500	200
205							12.6	166.1	13,900	23.5	196.4	11,700	30.7	213.2	9,400	36.4	224.0	7,100	41.2	230.9	5,000	205
210										19.0	183.3	11,000	27.4	204.0	8,800	33.6	216.8	6,600	38.7	224.8	4,500	210
215										13.2	165.4	10,300	23.6	193.4	8,200	30.6	208.7	6,000	36.1	218.2	4,000	215
220													19.2	180.3	7,600	27.2	199.5	5,500				220
225													13.3	162.7	7,000	23.5	188.7	5,000				225
230																19.0	175.6	4,500				230
235																13.1	157.7	4,000				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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	59,100													90
95	64.5	301.1	55,800*	68.0	304.9	54,700													95
100	62.8	298.6	53,400*	66.4	302.8	50,800													100
105	61.1	295.9	49,600*	64.7	300.4	47,300	66.8	302.3	44,300										105
110	59.4	293.0	46,200*	63.0	298.0	44,200	65.2	300.1	41,300										110
115	57.6	289.9	43,200*	61.3	295.3	41,300	63.5	297.6	38,600										115
120	55.8	286.5	40,400*	59.6	292.4	38,700	61.8	295.0	36,100										120
125	53.9	283.0	37,900*	57.8	289.3	36,400	60.1	292.2	33,900										125
130	52.0	279.1	35,600*	56.0	286.0	34,200	58.3	289.1	31,800	61.9	292.8	27,900							130
135	50.1	275.0	33,500*	54.2	282.5	32,200	56.5	285.9	29,900	60.2	290.0	26,200							135
140	48.1	270.6	31,600*	52.3	278.7	30,400	54.7	282.4	28,200	58.4	286.9	24,600							140
145	46.0	265.9	29,800*	50.3	274.6	28,700	52.8	278.7	26,600	56.6	283.7	23,100							145
150	43.9	260.8	28,200*	48.3	270.3	27,100	50.9	274.7	25,100	54.8	280.3	21,700							150
155	41.6	255.4	26,700*	46.3	265.6	25,600	48.9	270.4	23,700	52.9	276.6	20,400	56.7	280.5	17,300				155
160	39.3	249.4	25,200*	44.1	260.5	24,300	46.8	265.8	22,400	51.0	272.6	19,200	54.9	277.0	16,200				160
165	36.8	242.9	23,900*	41.9	255.1	23,000	44.7	260.9	21,200	49.0	268.3	18,100	53.0	273.3	15,100				165
170	34.2	235.8	22,700*	39.6	249.2	21,800	42.5	255.6	20,000	47.0	263.8	17,100	51.1	269.4	14,200				170
175	31.4	227.9	21,500*	37.1	242.8	20,600	40.2	249.8	18,900	44.9	258.9	16,100	49.1	265.1	13,300	52.9	269.0	10,600	175
180	28.3	219.1	20,400*	34.5	235.8	19,600	37.8	243.5	17,900	42.7	253.6	15,200	47.0	260.6	12,400	51.0	265.0	9,800	180
185	24.9	208.9	19,300*	31.7	228.0	18,500	35.2	236.7	16,900	40.4	247.9	14,300	44.9	255.7	11,600	49.0	260.8	9,100	185
190	21.0	196.9	18,400*	28.7	219.3	17,600	32.5	229.1	16,000	38.0	241.6	13,400	42.7	250.4	10,900	47.0	256.2	8,400	190
195	16.1	181.6	17,000*	25.3	209.3	16,700	29.5	220.7	15,200	35.4	234.8	12,600	40.4	244.7	10,200	44.8	251.3	7,800	195
200	8.9	158.3	14,500*	21.5	197.5	15,800	26.3	211.1	14,300	32.7	227.3	11,900	38.0	238.5	9,500	42.6	246.0	7,100	200
205				16.8	182.8	14,900	22.6	199.9	13,500	29.8	219.0	11,200	35.5	231.7	8,800	40.4	240.3	6,600	205
210				10.1	161.3	14,100	18.1	186.1	12,800	26.5	209.5	10,500	32.8	224.2	8,200	37.9	234.1	6,000	210
215							12.2	167.2	12,000	22.9	198.4	9,800	29.9	215.9	7,600	35.4	227.2	5,500	215
220										18.5	184.9	9,200	26.6	206.4	7,100	32.7	219.7	5,000	220
225										12.8	166.5	8,500	23.0	195.4	6,500	29.7	211.3	4,500	225
230													18.7	182.0	6,000	26.5	201.8	4,000	230
235													13.0	163.8	5,400				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	58,500													90
95	65.9	312.1	51,500*	69.2	315.7	54,100													95
100	64.3	309.8	49,100*	67.6	313.7	50,200													100
105	62.7	307.3	46,800*	66.1	311.5	46,700													105
110	61.1	304.5	44,500*	64.5	309.1	43,600	66.5	311.1	40,700										110
115	59.4	301.6	42,300*	62.9	306.6	40,700	64.9	308.8	38,000										115
120	57.7	298.5	39,900*	61.3	303.9	38,200	63.3	306.3	35,500										120
125	56.0	295.2	37,400*	59.6	301.1	35,800	61.7	303.6	33,300										125
130	54.2	291.7	35,100*	57.9	298.0	33,600	60.1	300.8	31,200										130
135	52.5	287.9	33,000*	56.2	294.7	31,700	58.4	297.8	29,300	61.8	301.4	25,500							135
140	50.6	283.9	31,100*	54.5	291.2	29,800	56.7	294.6	27,600	60.2	298.6	23,900							140
145	48.7	279.6	29,300*	52.7	287.5	28,100	54.9	291.1	26,000	58.5	295.6	22,400							145
150	46.8	275.0	27,600*	50.8	283.5	26,600	53.2	287.4	24,500	56.8	292.4	21,100							150
155	44.8	270.1	26,100*	49.0	279.2	25,100	51.3	283.5	23,100	55.1	289.0	19,800							155
160	42.7	264.8	24,700*	47.0	274.6	23,700	49.5	279.3	21,800	53.3	285.3	18,600	56.9	289.2	15,500				160
165	40.5	259.1	23,300*	45.0	269.7	22,400	47.5	274.9	20,600	51.5	281.4	17,500	55.1	285.8	14,400				165
170	38.2	252.9	22,100*	42.9	264.5	21,200	45.6	270.1	19,400	49.6	277.2	16,400	53.3	282.1	13,500				170
175	35.8	246.2	20,900*	40.8	258.8	20,100	43.5	264.9	18,300	47.7	272.8	15,400	51.5	278.2	12,600				175
180	33.3	238.8	19,800*	38.5	252.7	19,000	41.4	259.4	17,300	45.7	268.0	14,500	49.7	274.0	11,800				180
185	30.5	230.7	18,800*	36.1	246.1	18,000	39.1	253.4	16,400	43.7	262.9	13,600	47.7	269.6	11,000	51.5	273.9	8,400	185
190	27.6	221.5	17,800*	33.6	238.8	17,100	36.8	246.9	15,500	41.5	257.4	12,800	45.8	264.8	10,200	49.6	269.7	7,700	190
195	24.2	211.1	16,900*	30.9	230.8	16,100	34.3	239.8	14,600	39.3	251.4	12,000	43.7	259.7	9,500	47.7	265.2	7,000	195
200	20.4	198.7	16,000*	27.9	221.8	15,300	31.6	232.0	13,800	37.0	245.0	11,300	41.6	254.2	8,800	45.7	260.5	6,400	200
205	15.7	183.0	14,800*	24.7	211.5	14,400	28.8	223.2	13,000	34.5	237.9	10,600	39.4	248.3	8,200	43.6	255.3	5,900	205
210	8.7	159.1	12,500*	20.9	199.4	13,700	25.6	213.3	12,200	31.8	230.2	9,900	37.0	241.9	7,600	41.5	249.8	5,300	210
215				16.3	184.2	12,900	22.0	201.8	11,500	29.0	221.5	9,200	34.6	234.8	7,000	39.3	243.9	4,800	215
220				9.8	162.1	12,100	17.7	187.6	10,800	25.8	211.7	8,600	31.9	227.1	6,400	36.9	237.4	4,300	220
225							11.9	168.2	10,100	22.3	200.3	8,000	29.1	218.5	5,900				225
230										18.0	186.4	7,400	25.9	208.7	5,400				230
235										12.5	167.6	6,900	22.4	197.4	4,900				235
240													18.2	183.5	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	134,600b																60
				60.1	199.1	120,100b	66.4	201.6	116,100b													
65	42.4	186.4	97,000*	55.2	195.8	108,300b	61.8	199.1	104,600b													65
70	35.8	180.0	87,600*	49.9	191.8	98,400	57.0	196.0	95,100b													70
75	27.7	171.6	79,700*	44.2	187.0	90,100	51.9	192.3	87,100	63.0	197.2	82,100b										75
80	16.3	158.5	73,000*	37.9	181.0	83,000	46.4	187.8	80,200	58.2	194.2	75,600b										80
85				30.4	173.4	76,800	40.3	182.3	74,300	53.2	190.7	70,000										85
90				20.4	162.3	71,400	33.3	175.4	69,100	47.8	186.4	65,100										90
95							24.5	165.9	64,400	41.9	181.2	60,700	54.2	187.8	57,000							95
100							9.7	148.5	60,100	35.1	174.6	56,900	48.9	183.7	53,400							100
105										27.0	166.0	53,400	43.1	178.7	50,100							105
110										14.9	152.1	50,200	36.5	172.5	47,200	49.5	179.7	44,200				110
115													28.7	164.3	44,500	43.8	174.8	41,700				115
120													17.9	152.1	42,000	37.4	168.8	39,400				120
125																29.8	160.9	37,300	44.0	169.6	34,800	125
130																19.5	149.5	35,300	37.6	163.6	33,000	130
135																			30.1	155.8	31,300	135
140																			20.0	144.6	29,700	140

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	70.8	215.2	159,600*																			40
45	66.9	213.2	149,800*																			45
50	62.9	210.8	138,600*																			50
55	58.8	207.9	123,400*	68.1	212.8	134,200b																55
60	54.5	204.5	109,100*	64.1	210.5	119,700b																60
65	49.9	200.5	97,500*	60.0	207.8	107,900b	65.6	210.3	104,200b													65
70	44.9	195.7	88,000*	55.8	204.5	98,100	61.6	207.8	94,700b													70
75	39.5	190.0	80,100*	51.3	200.7	89,800	57.4	204.7	86,700													75
80	33.3	183.0	73,300*	46.4	196.2	82,700	53.0	201.1	79,800	62.6	205.8	75,100b										80
85	25.9	173.9	67,500*	41.2	190.8	76,600	48.3	196.8	73,900	58.4	202.9	69,500										85
90	15.2	159.8	62,400*	35.3	184.2	71,200	43.2	191.8	68,700	54.1	199.4	64,600										90
95				28.3	175.9	66,400	37.5	185.7	64,100	49.5	195.4	60,300										95
100				19.0	163.9	62,100	31.0	178.1	60,000	44.5	190.5	56,400	54.9	196.6	52,800							100
105							22.9	167.9	56,300	39.0	184.7	53,000	50.4	192.6	49,600							105
110							9.0	149.2	52,900	32.7	177.6	49,900	45.5	188.0	46,700							110
115										25.1	168.2	47,100	40.1	182.4	44,100	51.0	188.6	41,100				115
120										13.8	153.3	44,400	34.0	175.5	41,700	46.1	184.1	38,900				120
125													26.8	166.7	39,400	40.8	178.6	36,800				125
130													16.7	153.5	37,300	34.8	171.9	34,900				130
135																27.8	163.4	33,100	46.3	178.8	32,400	135
140																18.2	151.1	31,400	41.0	173.4	30,800	140
145																			35.1	166.8	29,300	145
150																			28.0	158.3	27,800	150
																			18.6	146.2	26,500	150

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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	133,800b																55
60	58.9	216.6	109,500*	67.2	221.6	119,300b																60
65	55.1	213.2	97,900*	63.7	219.2	107,500																65
70	51.1	209.3	88,300*	60.0	216.4	97,700	65.0	219.0	94,300b													70
75	46.8	204.8	80,300*	56.3	213.2	89,500	61.4	216.4	86,300													75
80	42.2	199.6	73,500*	52.3	209.5	82,400	57.7	213.4	79,400													80
85	37.1	193.4	67,600*	48.1	205.2	76,300	53.8	209.9	73,500	62.3	214.5	69,000										85
90	31.3	185.8	62,500*	43.6	200.2	70,900	49.7	205.8	68,400	58.6	211.6	64,100										90
95	24.3	176.0	58,000*	38.7	194.4	66,200	45.3	201.1	63,800	54.8	208.2	59,900										95
100	14.2	161.0	54,000*	33.1	187.2	62,000	40.6	195.5	59,800	50.7	204.2	56,000										100
105				26.6	178.2	58,200	35.3	188.9	56,100	46.4	199.7	52,600	55.5	205.3	49,200							105
110				17.9	165.5	54,800	29.2	180.7	52,800	41.8	194.4	49,600	51.5	201.5	46,300							110
115							21.5	169.8	49,800	36.6	188.1	46,800	47.3	197.1	43,700							115
120							8.4	149.9	47,000	30.8	180.4	44,200	42.7	191.9	41,300	52.0	197.4	38,400				120
125										23.6	170.3	41,900	37.7	185.8	39,100	47.8	193.1	36,400				125
130										13.0	154.4	39,600	32.0	178.4	37,100	43.3	188.1	34,500				130
135													25.2	168.9	35,200	38.3	182.1	32,700	48.0	187.9	30,300	135
140													15.6	154.8	33,400	32.7	174.9	31,100	43.5	182.8	28,800	140
145																26.1	165.7	29,600	38.5	176.9	27,400	145
150																17.1	152.5	28,200	33.0	169.7	26,100	150
155																			26.4	160.7	24,900	155
160																			17.5	147.7	23,700	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	74.7	236.3	147,700*																			40
45	71.7	234.7	139,700*																			45
50	68.7	232.8	132,000*																			50
55	65.6	230.6	123,100*																			55
60	62.3	228.1	109,600*	69.6	232.4	118,900b																60
65	59.0	225.2	97,900*	66.5	230.3	107,100																65
70	55.6	221.9	88,300*	63.3	227.9	97,300	67.6	230.0	93,800													70
75	52.0	218.2	80,200*	60.0	225.1	89,000	64.5	227.7	85,800													75
80	48.2	213.9	73,400*	56.6	221.9	82,000	61.3	225.1	79,000													80
85	44.2	209.0	67,500*	53.1	218.3	75,900	57.9	222.0	73,100													85
90	39.9	203.3	62,400*	49.4	214.2	70,500	54.4	218.6	67,900	62.1	223.1	63,600										90
95	35.1	196.6	57,900*	45.5	209.5	65,800	50.8	214.7	63,400	58.7	220.2	59,300										95
100	29.6	188.5	53,900*	41.2	204.0	61,600	46.9	210.2	59,300	55.3	216.9	55,500										100
105	23.0	178.0	50,400*	36.6	197.7	57,900	42.8	205.0	55,700	51.7	213.1	52,100										105
110	13.5	162.2	47,100*	31.4	190.1	54,500	38.4	199.1	52,500	47.9	208.8	49,100	56.0	214.0	45,700							110
115				25.2	180.5	51,400*	33.4	191.9	49,500	43.9	203.8	46,300	52.4	210.3	43,100							115
120				16.9	166.9	48,100*	27.6	183.2	46,800	39.5	198.0	43,800	48.7	206.1	40,800							120
125							20.3	171.5	44,300	34.7	191.2	41,500	44.7	201.2	38,600	52.9	206.2	35,800				125
130							7.9	150.5	41,900	29.1	182.9	39,300	40.4	195.6	36,600	49.1	202.1	33,900				130
135										22.3	172.2	37,400	35.6	189.1	34,800	45.2	197.3	32,200				135
140										12.3	155.4	35,500	30.3	181.1	33,100	40.9	191.8	30,600				140
145													23.8	171.0	31,500	36.3	185.4	29,100	45.3	192.1	26,800	145
150													14.8	156.1	29,900	31.0	177.7	27,800	41.1	186.6	25,600	150
155																24.7	167.9	26,500	36.4	180.2	24,400	155
160																16.2	153.9	25,200	31.2	172.5	23,200	160
165																			24.9	162.9	22,200	165
170																			16.6	149.1	21,100	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	106,600																65
70	59.1	233.9	90,700*	65.9	239.0	96,800																70
75	56.0	230.6	82,400*	63.0	236.5	88,600	67.0	238.7	85,300													75
80	52.8	227.0	75,300*	60.0	233.8	81,500	64.1	236.4	78,500													80
85	49.4	222.8	69,300*	57.0	230.6	75,400	61.1	233.7	72,600													85
90	45.8	218.1	64,000*	53.8	227.1	70,100	58.1	230.7	67,500													90
95	42.0	212.8	59,400*	50.4	223.1	65,400	55.0	227.3	62,900	61.9	231.8	58,800										95
100	37.9	206.7	55,300*	46.9	218.6	61,200	51.7	223.5	58,900	58.9	228.9	55,000										100
105	33.4	199.6	51,600*	43.2	213.5	57,500	48.2	219.2	55,300	55.7	225.6	51,600										105
110	28.2	191.0	48,400*	39.2	207.6	54,200	44.6	214.3	52,100	52.5	221.9	48,600										110
115	21.9	179.9	45,400*	34.8	200.8	51,100	40.7	208.8	49,100	49.1	217.7	45,800	56.4	222.7	42,600							115
120	12.8	163.2	41,500*	29.8	192.7	48,300	36.5	202.4	46,500	45.5	213.0	43,300	53.1	219.1	40,200							120
125				23.9	182.6	45,800	31.7	194.8	44,000	41.7	207.6	41,000	49.8	215.0	38,100							125
130				16.1	168.3	43,400	26.3	185.5	41,700	37.6	201.4	38,900	46.2	210.4	36,100							130
135							19.3	173.2	39,600	33.0	194.2	37,000	42.5	205.1	34,300	50.2	211.0	31,700				135
140							7.5	151.1	37,600	27.7	185.4	35,200	38.4	199.1	32,600	46.7	206.4	30,100				140
145										21.3	174.1	33,500	33.9	192.1	31,100	42.9	201.3	28,600				145
150										11.7	156.4	31,900	28.8	183.7	29,600	38.9	195.4	27,300	46.8	201.2	25,000	150
155													22.6	173.0	28,200	34.5	188.5	26,000	43.1	196.1	23,900	155
160													14.1	157.3	26,900	29.5	180.3	24,800	39.1	190.2	22,800	160
165																23.5	170.0	23,700	34.7	183.4	21,700	165
170																15.4	155.2	22,600	29.7	175.2	20,700	170
175																			23.7	165.0	19,800	175
180																			15.8	150.5	18,900	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	106,200																65
70	62.0	245.4	90,400*	68.0	249.9	96,400																70
75	59.2	242.5	82,000*	65.4	247.7	88,100																75
80	56.4	239.3	75,000*	62.8	245.2	81,100	66.4	247.5	78,000													80
85	53.4	235.7	68,900*	60.0	242.4	75,000	63.8	245.1	72,100													85
90	50.4	231.7	63,600*	57.2	239.3	69,700	61.0	242.4	67,000													90
95	47.2	227.2	59,000*	54.3	235.8	65,000	58.3	239.4	62,500													95
100	43.8	222.2	54,900*	51.3	231.9	60,800	55.4	236.0	58,400	61.7	240.5	54,500										100
105	40.2	216.5	51,200*	48.1	227.6	57,100	52.4	232.3	54,900	59.0	237.6	51,100										105
110	36.2	210.0	48,000*	44.8	222.7	53,800	49.3	228.2	51,600	56.1	234.3	48,100										110
115	31.9	202.5	45,000*	41.3	217.3	50,700	46.0	223.5	48,700	53.2	230.7	45,300										115
120	27.0	193.4	42,300*	37.4	211.0	48,000	42.6	218.3	46,000	50.1	226.6	42,800	56.7	231.4	39,700							120
125	20.9	181.8	39,900*	33.3	203.8	45,400	38.9	212.3	43,600	46.9	222.1	40,500	53.7	227.8	37,500							125
130	12.2	164.3	36,600*	28.5	195.3	43,100	34.8	205.5	41,400	43.5	217.0	38,500	50.7	223.9	35,600							130
135				22.9	184.6	40,600*	30.3	197.5	39,300	39.8	211.3	36,500	47.5	219.4	33,800							135
140				15.4	169.6	38,300*	25.1	187.7	37,400	35.9	204.7	34,700	44.1	214.5	32,100	51.1	219.8	29,500				140
145							18.5	174.8	35,600	31.5	197.0	33,100	40.6	208.9	30,600	47.9	215.5	28,100				145
150							7.2	151.7	33,800	26.5	187.8	31,500	36.7	202.5	29,100	44.6	210.6	26,700				150
155										20.3	175.9	30,100	32.4	195.0	27,800	41.0	205.1	25,500	48.0	210.2	23,300	155
160										11.2	157.3	28,600	27.5	186.1	26,500	37.2	198.8	24,300	44.7	205.3	22,200	160
165													21.6	174.9	25,300	32.9	191.5	23,200	41.1	199.8	21,100	165
170													13.4	158.5	24,100	28.2	182.8	22,200	37.3	193.6	20,200	170
175																22.4	171.9	21,200	33.1	186.3	19,300	175
180																14.7	156.5	20,200	28.4	177.7	18,400	180
185																			22.7	166.9	17,600	185
190																			15.0	151.8	16,700	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	86,900																70
75	61.8	254.1	82,600*	67.4	258.7	79,200																75
80	59.3	251.2	75,400*	65.0	256.4	72,600																80
85	56.6	248.0	69,200*	62.6	253.9	66,800	65.9	256.2	63,000													85
90	53.9	244.5	63,800*	60.0	251.1	61,800	63.5	253.7	58,300													90
95	51.2	240.6	59,200*	57.4	248.0	57,400	61.0	251.0	54,100													95
100	48.2	236.2	55,000*	54.8	244.5	53,500	58.4	248.1	50,300													100
105	45.2	231.4	51,300*	52.0	240.7	50,000	55.8	244.8	47,000	61.6	249.1	42,100										105
110	41.9	226.1	48,000*	49.1	236.6	46,900	53.0	241.1	44,000	59.0	246.2	39,300										110
115	38.5	220.0	45,100*	46.1	231.9	44,000	50.2	237.1	41,300	56.4	243.0	36,800										115
120	34.7	213.2	42,400*	42.9	226.7	41,400	47.2	232.6	38,900	53.7	239.4	34,600										120
125	30.6	205.2	39,900*	39.6	220.9	39,100	44.1	227.6	36,600	50.9	235.5	32,500	56.9	240.1	28,500							125
130	25.9	195.7	37,700*	35.9	214.3	36,900	40.8	222.0	34,500	48.0	231.1	30,600	54.2	236.6	26,800							130
135	20.1	183.5	35,600*	31.9	206.7	34,900	37.3	215.7	32,600	44.9	226.3	28,900	51.5	232.7	25,200							135
140	11.7	165.3	32,600*	27.4	197.7	33,000	33.4	208.5	30,900	41.7	220.8	27,300	48.6	228.4	23,800							140
145				21.9	186.5	31,200	29.1	200.1	29,200	38.2	214.8	25,800	45.5	223.7	22,400	51.8	228.7	19,100				145
150				14.7	170.9	29,600	24.1	189.9	27,700	34.4	207.8	24,400	42.3	218.4	21,200	48.9	224.4	18,000				150
155							17.7	176.4	26,200	30.2	199.7	23,100	38.9	212.4	20,000	45.9	219.8	16,900				155
160							6.9	152.3	24,700	25.4	190.0	21,900	35.2	205.6	18,900	42.7	214.5	15,900				160
165										19.5	177.6	20,700	31.1	197.8	17,800	39.3	208.7	15,000	46.0	214.5	12,200	165
170										10.7	158.2	19,500	26.4	188.5	16,800	35.6	202.0	14,100	42.8	209.3	11,400	170
175													20.8	176.7	15,900	31.6	194.3	13,300	39.4	203.5	10,700	175
180													12.9	159.6	15,000	27.0	185.2	12,500	35.8	196.8	10,000	180
185																21.5	173.8	11,700	31.8	189.2	9,300	185
190																14.1	157.7	11,000	27.2	180.1	8,700	190
195																			21.8	168.9	8,100	195
200																			14.4	153.0	7,400	200

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LIFTCRANE LUFFING JIB CAPACITIES

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THE SCOPE OF ANSI B30.5

M-250

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	78,600																75
80	61.7	262.8	74,900*	66.9	267.4	72,000																80
85	59.3	259.9	68,800*	64.7	265.1	66,200	67.7	267.1	62,300													85
90	56.9	256.7	63,400*	62.4	262.5	61,300	65.5	264.9	57,600													90
95	54.4	253.2	58,700*	60.0	259.7	56,900	63.2	262.4	53,400													95
100	51.8	249.4	54,600*	57.6	256.7	52,900	60.9	259.7	49,700													100
105	49.1	245.2	50,900*	55.2	253.3	49,500	58.5	256.7	46,400													105
110	46.4	240.6	47,600*	52.6	249.5	46,300	56.1	253.4	43,400	61.5	257.8	38,600										110
115	43.4	235.4	44,600*	50.0	245.5	43,500	53.5	249.9	40,700	59.1	254.9	36,100										115
120	40.3	229.8	41,900*	47.2	241.0	40,900	50.9	245.9	38,300	56.7	251.7	33,900										120
125	37.0	223.4	39,400*	44.3	236.0	38,500	48.2	241.6	36,000	54.2	248.2	31,900										125
130	33.4	216.2	37,200*	41.3	230.5	36,400	45.4	236.8	34,000	51.6	244.3	30,000	57.2	248.7	26,100							130
135	29.4	207.8	35,100*	38.0	224.4	34,400	42.4	231.5	32,100	48.9	240.1	28,300	54.7	245.3	24,500							135
140	24.9	197.9	33,200*	34.5	217.4	32,500	39.3	225.6	30,300	46.1	235.4	26,700	52.1	241.5	23,100							140
145	19.3	185.2	31,500*	30.7	209.4	30,800	35.9	219.0	28,700	43.2	230.3	25,200	49.4	237.3	21,700							145
150	11.3	166.2	28,900*	26.3	200.0	29,200	32.1	211.4	27,200	40.1	224.5	23,800	46.7	232.8	20,500	52.4	237.5	17,200				150
155				21.1	188.4	27,700	28.0	202.6	25,700	36.7	218.1	22,500	43.8	227.7	19,300	49.8	233.4	16,200				155
160				14.2	172.1	26,200	23.2	191.9	24,400	33.1	210.8	21,300	40.7	222.1	18,200	47.0	228.8	15,200				160
165							17.1	177.8	23,100	29.1	202.3	20,100	37.4	215.8	17,200	44.1	223.8	14,300				165
170							6.6	152.8	21,800	24.4	192.2	19,100	33.8	208.7	16,200	41.1	218.3	13,400	47.1	223.6	10,700	170
175										18.8	179.2	18,000	29.9	200.5	15,300	37.8	212.1	12,600	44.2	218.6	9,900	175
180										10.3	159.1	17,000	25.4	190.7	14,400	34.3	205.1	11,800	41.2	213.1	9,300	180
185													20.0	178.4	13,600	30.4	197.0	11,100	37.9	206.9	8,600	185
190													12.4	160.6	12,700	26.0	187.5	10,400	34.4	199.9	8,000	190
195																20.7	175.6	9,700	30.6	191.9	7,400	195
200																13.6	158.9	9,000	26.2	182.5	6,800	200
205																			20.9	170.7	6,300	205
210																			13.9	154.2	5,700	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	77,900																75
80	63.7	274.1	75,700*	68.5	278.2	71,300																80
85	61.6	271.4	69,400*	66.5	276.1	65,600																85
90	59.4	268.5	64,000*	64.4	273.8	60,600	67.2	275.8	57,000													90
95	57.1	265.4	59,200*	62.2	271.2	56,300	65.1	273.6	52,800													95
100	54.8	261.9	55,000*	60.0	268.4	52,400	63.0	271.1	49,100													100
105	52.4	258.2	51,300*	57.8	265.3	48,900	60.8	268.4	45,800													105
110	49.9	254.1	47,900*	55.5	262.0	45,700	58.6	265.4	42,800													110
115	47.4	249.6	44,900*	53.1	258.3	42,900	56.3	262.1	40,100	61.4	266.5	35,500										115
120	44.7	244.7	42,200*	50.7	254.3	40,300	54.0	258.6	37,700	59.2	263.5	33,200										120
125	41.9	239.3	39,700*	48.1	250.0	38,000	51.6	254.7	35,400	56.9	260.4	31,200										125
130	38.9	233.3	37,400*	45.5	245.2	35,800	49.1	250.5	33,400	54.6	256.9	29,300										130
135	35.7	226.6	35,400*	42.7	239.9	33,800	46.5	245.9	31,500	52.2	253.1	27,600	57.3	257.4	23,800							135
140	32.2	219.1	33,400*	39.8	234.1	32,000	43.8	240.8	29,700	49.7	249.0	26,000	55.0	254.0	22,400							140
145	28.4	210.4	31,700*	36.7	227.7	30,300	40.9	235.3	28,100	47.1	244.5	24,600	52.7	250.3	21,000							145
150	24.0	200.0	30,000*	33.3	220.4	28,700	37.9	229.1	26,600	44.5	239.5	23,200	50.2	246.2	19,800							150
155	18.6	186.8	28,400*	29.6	212.1	27,200	34.6	222.1	25,200	41.6	234.1	21,900	47.6	241.8	18,600	53.0	246.2	15,500				155
160	10.9	167.1	24,800*	25.4	202.3	25,800	31.0	214.2	23,900	38.6	228.0	20,700	45.0	236.9	17,600	50.5	242.2	14,500				160
165				20.4	190.1	24,500	27.0	205.0	22,600	35.4	221.3	19,600	42.2	231.6	16,600	48.0	237.8	13,600				165
170				13.7	173.3	23,200	22.4	193.9	21,500	31.9	213.6	18,500	39.2	225.7	15,600	45.3	233.0	12,700				170
175							16.5	179.3	20,300	28.1	204.8	17,500	36.1	219.1	14,700	42.5	227.8	11,900				175
180							6.4	153.3	19,200	23.6	194.2	16,600	32.6	211.6	13,800	39.6	221.9	11,200	45.4	227.8	8,600	180
185										18.1	180.8	15,600	28.8	203.1	13,000	36.5	215.4	10,400	42.6	222.5	7,900	185
190										9.9	160.0	14,700	24.5	192.9	12,300	33.1	208.1	9,800	39.7	216.7	7,300	190
195													19.3	180.1	11,500	29.3	199.7	9,100	36.6	210.2	6,700	195
200													12.0	161.6	10,800	25.1	189.7	8,500	33.2	202.9	6,200	200
205																20.0	177.4	7,900	29.5	194.6	5,700	205
210																13.1	160.0	7,200	25.2	184.7	5,100	210
215																			20.2	172.5	4,600	215
220																			13.4	155.4	4,100	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	70,700																80
85	63.5	282.7	69,600*	68.0	287.0	65,000																85
90	61.5	280.1	64,100*	66.1	284.8	60,000																90
95	59.4	277.2	59,200*	64.1	282.5	55,700	66.8	284.6	52,100													95
100	57.3	274.1	55,000*	62.1	279.9	51,800	64.8	282.3	48,400													100
105	55.1	270.6	51,200*	60.0	277.1	48,300	62.8	279.8	45,100													105
110	52.9	267.0	47,800*	57.9	274.0	45,100	60.8	277.0	42,200													110
115	50.6	262.9	44,700*	55.8	270.7	42,300	58.7	274.1	39,500													115
120	48.2	258.6	41,900*	53.6	267.1	39,700	56.6	270.8	37,000	61.3	275.1	32,500										120
125	45.8	253.9	39,400*	51.3	263.2	37,400	54.4	267.3	34,800	59.2	272.2	30,500										125
130	43.2	248.7	37,100*	48.9	258.9	35,200	52.1	263.5	32,800	57.1	269.0	28,600										130
135	40.5	243.0	35,000*	46.5	254.3	33,300	49.8	259.4	30,900	54.9	265.6	26,900										135
140	37.6	236.7	33,100*	44.0	249.3	31,400	47.4	254.9	29,100	52.7	261.9	25,400	57.5	266.1	21,600							140
145	34.5	229.7	31,300*	41.3	243.7	29,700	44.9	250.1	27,500	50.4	257.9	23,900	55.4	262.7	20,300							145
150	31.2	221.9	29,600*	38.5	237.6	28,100	42.3	244.7	26,000	48.0	253.5	22,500	53.1	259.1	19,100							150
155	27.5	212.8	28,100*	35.5	230.9	26,700	39.5	238.9	24,600	45.5	248.7	21,300	50.9	255.1	17,900							155
160	23.2	202.0	26,700*	32.2	223.3	25,300	36.6	232.4	23,300	43.0	243.5	20,100	48.5	250.8	16,900							160
165	18.0	188.4	25,200*	28.6	214.6	24,000	33.4	225.1	22,100	40.2	237.8	19,000	46.0	246.1	15,900	51.1	251.1	12,800				165
170	10.5	168.0	22,000*	24.6	204.4	22,700	30.0	216.9	20,900	37.3	231.4	17,900	43.5	241.0	14,900	48.8	246.8	12,000				170
175				19.7	191.9	21,600	26.1	207.3	19,800	34.2	224.4	16,900	40.8	235.3	14,000	46.3	242.2	11,200				175
180				13.2	174.4	20,400	21.6	195.8	18,800	30.9	216.4	16,000	37.9	229.1	13,200	43.8	237.1	10,400				180
185							15.9	180.6	17,800	27.1	207.2	15,100	34.9	222.2	12,400	41.1	231.5	9,700	46.4	236.9	7,200	185
190							6.1	153.8	16,800	22.8	196.3	14,200	31.6	214.5	11,600	38.3	225.4	9,100	43.9	231.8	6,600	190
195										17.5	182.3	13,400	27.9	205.5	10,900	35.3	218.6	8,400	41.2	226.3	6,000	195
200										9.6	160.8	12,600	23.7	195.0	10,200	32.0	210.9	7,800	38.4	220.2	5,500	200
205													18.6	181.8	9,500	28.4	202.2	7,200	35.4	213.4	4,900	205
210													11.6	162.6	8,900	24.3	191.9	6,600	32.1	205.8	4,400	210
215																19.3	179.1	6,100	28.5	197.1	4,000	215
220																12.6	161.1	5,500				220

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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	64,600																85
90	63.3	291.4	63,800*	67.6	295.8	59,600																90
95	61.4	288.7	58,900*	65.7	293.5	55,200																95
100	59.4	285.9	54,700*	63.9	291.1	51,400	66.4	293.3	48,000													100
105	57.5	282.7	50,900*	62.0	288.5	47,900	64.5	291.0	44,700													105
110	55.4	279.4	47,500*	60.0	285.7	44,800	62.7	288.4	41,700													110
115	53.3	275.7	44,400*	58.0	282.7	41,900	60.7	285.7	39,100													115
120	51.2	271.8	41,600*	56.0	279.4	39,400	58.8	282.7	36,600													120
125	49.0	267.5	39,100*	54.0	275.8	37,000	56.8	279.5	34,400	61.2	283.8	30,100										125
130	46.7	262.9	36,800*	51.8	272.0	34,900	54.7	276.1	32,400	59.3	280.9	28,200										130
135	44.3	258.0	34,700*	49.6	267.8	32,900	52.6	272.3	30,500	57.3	277.7	26,500										135
140	41.8	252.5	32,800*	47.4	263.3	31,100	50.5	268.3	28,800	55.2	274.3	25,000										140
145	39.2	246.6	31,000*	45.0	258.5	29,400	48.2	263.9	27,200	53.2	270.7	23,500	57.7	274.8	19,900							145
150	36.4	240.0	29,300*	42.6	253.2	27,800	45.9	259.2	25,700	51.0	266.7	22,200	55.6	271.4	18,700							150
155	33.5	232.8	27,800*	40.0	247.4	26,300	43.5	254.1	24,300	48.8	262.4	20,900	53.6	267.8	17,500							155
160	30.2	224.6	26,400*	37.3	241.0	25,000	41.0	248.5	23,000	46.5	257.8	19,700	51.4	263.9	16,500							160
165	26.6	215.2	25,000*	34.4	234.0	23,700	38.3	242.4	21,800	44.1	252.8	18,600	49.2	259.7	15,500							165
170	22.5	204.0	23,800*	31.2	226.1	22,500	35.5	235.6	20,600	41.6	247.3	17,600	46.9	255.1	14,500	51.7	259.9	11,600				170
175	17.5	189.9	22,400*	27.7	217.1	21,300	32.4	228.0	19,500	39.0	241.3	16,600	44.6	250.2	13,700	49.5	255.7	10,800				175
180	10.2	168.9	19,500*	23.8	206.5	20,200	29.1	219.5	18,500	36.2	234.7	15,700	42.1	244.8	12,800	47.2	251.2	10,100				180
185				19.1	193.5	19,200	25.3	209.5	17,500	33.2	227.4	14,800	39.5	238.9	12,000	44.9	246.3	9,400				185
190				12.8	175.5	18,200	21.0	197.6	16,600	29.9	219.1	14,000	36.7	232.5	11,300	42.4	241.0	8,700	47.3	245.9	6,200	190
195							15.4	182.0	15,700	26.3	209.5	13,200	33.8	225.3	10,600	39.8	235.2	8,100	45.0	241.1	5,600	195
200							5.9	154.3	14,800	22.1	198.2	12,400	30.6	217.2	9,900	37.1	228.8	7,500	42.5	235.8	5,100	200
205										17.0	183.8	11,700	27.0	207.9	9,300	34.2	221.7	6,900	39.9	230.0	4,600	205
210										9.3	161.5	10,900	23.0	197.0	8,600	31.0	213.7	6,300	37.2	223.6	4,100	210
215													18.1	183.3	8,000	27.5	204.6	5,800				215
220													11.2	163.6	7,400	23.5	193.9	5,300				220
225																18.7	180.7	4,800				225
230																12.3	162.1	4,300				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	64,000													85
90	64.9	302.6	62,200*	68.9	306.6	59,000													90
95	63.1	300.1	58,400*	67.2	304.5	54,700													95
100	61.3	297.4	54,100*	65.4	302.3	50,800	67.8	304.2	47,400										100
105	59.5	294.5	50,300*	63.6	299.8	47,300	66.1	302.0	44,100										105
110	57.6	291.4	46,900*	61.9	297.2	44,200	64.3	299.6	41,100										110
115	55.7	288.1	43,900*	60.0	294.4	41,400	62.5	297.1	38,400										115
120	53.7	284.5	41,100*	58.2	291.3	38,800	60.7	294.4	36,000										120
125	51.7	280.6	38,600*	56.3	288.1	36,500	58.8	291.4	33,800	63.0	295.1	29,400							125
130	49.6	276.4	36,300*	54.3	284.5	34,300	57.0	288.2	31,800	61.2	292.4	27,600							130
135	47.5	272.0	34,200*	52.3	280.8	32,300	55.0	284.8	29,900	59.3	289.5	25,900							135
140	45.3	267.1	32,200*	50.3	276.7	30,500	53.1	281.1	28,200	57.4	286.4	24,300							140
145	43.0	261.9	30,500*	48.1	272.3	28,800	51.0	277.1	26,600	55.5	283.0	22,800							145
150	40.6	256.2	28,800*	46.0	267.6	27,300	48.9	272.9	25,100	53.5	279.4	21,500	57.8	283.4	18,000				150
155	38.0	250.0	27,300*	43.7	262.5	25,800	46.8	268.3	23,700	51.5	275.5	20,200	55.9	280.1	16,800				155
160	35.4	243.2	25,800*	41.3	257.0	24,400	44.5	263.3	22,400	49.5	271.3	19,100	53.9	276.6	15,800				160
165	32.5	235.7	24,500*	38.8	250.9	23,100	42.2	258.0	21,200	47.3	266.8	18,000	51.9	272.7	14,800				165
170	29.3	227.2	23,200*	36.2	244.3	21,900	39.7	252.1	20,100	45.1	262.0	16,900	49.9	268.6	13,800				170
175	25.9	217.4	22,100*	33.4	237.0	20,800	37.2	245.7	19,000	42.8	256.7	16,000	47.7	264.2	13,000	52.2	268.7	10,100	175
180	21.8	205.9	20,900*	30.3	228.8	19,700	34.4	238.7	18,000	40.4	251.0	15,000	45.5	259.4	12,200	50.1	264.6	9,300	180
185	17.0	191.4	19,700*	26.9	219.5	18,700	31.5	230.8	17,000	37.8	244.8	14,200	43.2	254.2	11,400	48.0	260.2	8,600	185
190	9.9	169.7	17,100*	23.1	208.6	17,700	28.2	222.0	16,100	35.1	237.9	13,300	40.8	248.6	10,600	45.8	255.5	8,000	190
195				18.5	195.1	16,800	24.6	211.7	15,200	32.2	230.3	12,600	38.3	242.4	9,900	43.5	250.3	7,400	195
200				12.4	176.6	15,900	20.3	199.4	14,400	29.0	221.7	11,800	35.7	235.7	9,300	41.1	244.8	6,800	200
205							15.0	183.3	13,600	25.5	211.8	11,100	32.8	228.2	8,600	38.6	238.7	6,200	205
210							5.8	154.8	12,800	21.5	200.1	10,400	29.7	219.8	8,000	36.0	232.0	5,700	210
215										16.5	185.2	9,800	26.2	210.3	7,400	33.2	224.7	5,100	215
220										9.0	162.3	9,100	22.3	199.0	6,900	30.1	216.4	4,600	220
225													17.5	184.9	6,300	26.7	207.0	4,200	225
230													10.9	164.5	5,800				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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	58,500													90
95	64.6	311.3	55,800*	68.4	315.3	54,100													95
100	63.0	308.8	53,400*	66.8	313.2	50,200													100
105	61.2	306.1	49,800*	65.1	311.0	46,700	67.4	312.9	43,500										105
110	59.5	303.2	46,400*	63.5	308.5	43,600	65.7	310.7	40,500										110
115	57.7	300.1	43,400*	61.8	305.9	40,800	64.1	308.3	37,900										115
120	55.9	296.8	40,600*	60.0	303.0	38,200	62.4	305.8	35,400										120
125	54.1	293.2	38,100*	58.3	300.0	35,900	60.7	303.0	33,200										125
130	52.2	289.4	35,800*	56.5	296.8	33,800	58.9	300.1	31,200	62.8	303.8	26,900							130
135	50.2	285.3	33,700*	54.6	293.3	31,800	57.1	296.9	29,300	61.1	301.1	25,200							135
140	48.2	281.0	31,700*	52.7	289.5	30,000	55.3	293.5	27,600	59.3	298.2	23,700							140
145	46.2	276.3	30,000*	50.8	285.6	28,300	53.4	289.9	26,000	57.6	295.1	22,200							145
150	44.0	271.2	28,300*	48.8	281.3	26,700	51.5	286.0	24,500	55.8	291.7	20,900							150
155	41.8	265.7	26,800*	46.8	276.7	25,300	49.6	281.8	23,100	53.9	288.2	19,600	57.9	292.1	16,200				155
160	39.4	259.8	25,300*	44.7	271.7	23,900	47.5	277.3	21,900	52.0	284.3	18,500	56.1	288.8	15,100				160
165	37.0	253.4	24,000*	42.5	266.4	22,600	45.4	272.5	20,700	50.1	280.2	17,400	54.3	285.3	14,200				165
170	34.4	246.3	22,700*	40.2	260.6	21,400	43.3	267.3	19,500	48.0	275.8	16,400	52.4	281.5	13,200				170
175	31.6	238.5	21,600*	37.7	254.4	20,300	41.0	261.7	18,500	46.0	271.1	15,400	50.4	277.5	12,400				175
180	28.5	229.7	20,500*	35.2	247.5	19,200	38.6	255.6	17,500	43.8	266.0	14,500	48.4	273.1	11,500	52.6	277.5	8,700	180
185	25.1	219.7	19,400*	32.4	239.9	18,200	36.1	249.0	16,500	41.6	260.5	13,600	46.4	268.5	10,800	50.7	273.5	8,000	185
190	21.2	207.8	18,400*	29.5	231.4	17,300	33.5	241.7	15,600	39.2	254.6	12,800	44.2	263.5	10,000	48.7	269.2	7,400	190
195	16.5	192.8	17,300*	26.2	221.8	16,400	30.6	233.6	14,700	36.8	248.1	12,000	42.0	258.1	9,300	46.6	264.5	6,700	195
200	9.6	170.6	14,900*	22.5	210.6	15,500	27.4	224.4	13,900	34.1	241.0	11,300	39.7	252.2	8,700	44.5	259.6	6,200	200
205				18.0	196.7	14,700	23.9	213.8	13,100	31.3	233.1	10,600	37.3	245.8	8,100	42.3	254.2	5,600	205
210				12.1	177.6	13,900	19.8	201.1	12,400	28.2	224.2	9,900	34.7	238.8	7,500	40.0	248.4	5,100	210
215							14.6	184.5	11,700	24.8	214.0	9,300	31.9	231.1	6,900	37.6	242.1	4,600	215
220							5.6	155.2	10,900	20.9	201.9	8,700	28.9	222.4	6,300	35.0	235.2	4,100	220
225										16.0	186.6	8,000	25.5	212.5	5,800				225
230										8.8	163.0	7,400	21.7	200.9	5,300				230
235													17.1	186.3	4,800				235
240													10.6	165.4	4,300				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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	53,500													95
100	64.4	320.0	49,200*	68.0	324.1	49,600													100
105	62.8	317.4	46,900*	66.5	321.9	46,100													105
110	61.2	314.7	44,700*	64.9	319.6	43,000	67.0	321.7	39,900										110
115	59.5	311.8	42,500*	63.3	317.2	40,200	65.5	319.4	37,200										115
120	57.8	308.8	40,100*	61.7	314.5	37,700	63.9	317.0	34,800										120
125	56.1	305.5	37,500*	60.0	311.7	35,300	62.3	314.4	32,600										125
130	54.4	301.9	35,200*	58.3	308.7	33,200	60.6	311.7	30,600										130
135	52.6	298.2	33,100*	56.6	305.4	31,200	59.0	308.7	28,700	62.7	312.5	24,500							135
140	50.7	294.2	31,200*	54.9	302.0	29,400	57.3	305.6	27,000	61.0	309.8	23,000							140
145	48.9	289.9	29,400*	53.1	298.3	27,700	55.5	302.2	25,400	59.4	306.9	21,600							145
150	46.9	285.3	27,700*	51.3	294.4	26,200	53.8	298.6	23,900	57.7	303.8	20,200							150
155	44.9	280.4	26,200*	49.4	290.2	24,700	52.0	294.8	22,500	56.0	300.4	19,000							155
160	42.8	275.1	24,800*	47.5	285.7	23,300	50.1	290.7	21,300	54.2	296.9	17,800	58.0	300.8	14,400				160
165	40.7	269.5	23,400*	45.5	280.9	22,100	48.2	286.3	20,100	52.4	293.1	16,700	56.3	297.5	13,400				165
170	38.4	263.3	22,200*	43.5	275.7	20,900	46.3	281.6	18,900	50.6	289.1	15,700	54.6	294.0	12,500				170
175	36.0	256.7	21,000*	41.3	270.2	19,800	44.2	276.6	17,900	48.7	284.8	14,700	52.8	290.3	11,700				175
180	33.5	249.3	19,900*	39.1	264.2	18,700	42.1	271.2	16,900	46.7	280.2	13,800	50.9	286.3	10,900				180
185	30.7	241.3	18,900*	36.7	257.7	17,700	39.9	265.4	15,900	44.7	275.3	13,000	49.1	282.1	10,100	53.0	286.2	7,300	185
190	27.8	232.2	17,900*	34.2	250.6	16,800	37.6	259.1	15,000	42.6	269.9	12,200	47.1	277.5	9,400	51.2	282.3	6,600	190
195	24.5	221.8	17,000*	31.6	242.7	15,900	35.2	252.2	14,200	40.5	264.2	11,400	45.1	272.7	8,700	49.3	278.1	6,000	195
200	20.7	209.6	16,100*	28.7	234.0	15,000	32.6	244.6	13,400	38.2	258.1	10,700	43.1	267.4	8,000	47.4	273.6	5,400	200
205	16.1	194.2	15,100*	25.5	224.1	14,200	29.8	236.2	12,600	35.8	251.3	10,000	40.9	261.8	7,400	45.4	268.7	4,900	205
210	9.4	171.3	12,900*	21.9	212.5	13,400	26.7	226.8	11,900	33.2	244.0	9,300	38.6	255.7	6,800	43.3	263.6	4,400	210
215				17.6	198.2	12,600	23.3	215.9	11,200	30.5	235.8	8,700	36.3	249.1	6,200				215
220				11.8	178.6	11,900	19.3	202.8	10,500	27.5	226.6	8,100	33.7	241.9	5,700				220
225							14.2	185.8	9,800	24.2	216.1	7,500	31.0	233.9	5,200				225
230							5.4	155.7	9,100	20.3	203.7	6,900	28.1	224.9	4,700				230
235										15.6	187.9	6,400	24.9	214.7	4,200				235
240										8.5	163.8	5,800							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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	63.7	212.3	152,200*b																			45
50	59.0	209.4	140,800*b																			50
55	54.0	206.0	123,800*b	65.8	212.4	133,900b																55
60	48.7	201.8	109,400*	61.2	209.8	119,500b	67.9	212.3	115,000b													60
65	42.8	196.8	97,800*	56.4	206.6	107,700b	63.4	209.9	103,700b													65
70	36.3	190.5	88,200*	51.2	202.8	97,900	58.7	207.0	94,300b													70
75	28.4	182.3	80,200*	45.7	198.2	89,700	53.7	203.5	86,300b													75
80	17.3	169.8	73,400*	39.5	192.6	82,600	48.4	199.3	79,500	60.7	205.5	74,300b										80
85				32.3	185.4	76,400	42.5	194.2	73,600	55.8	202.2	68,800b										85
90				23.2	175.4	71,000	35.9	187.8	68,400	50.6	198.4	64,000										90
95				5.1	153.9	66,000	27.9	179.4	63,800	45.0	193.7	59,700	57.6	199.6	55,600b							95
100							16.5	166.5	59,700	38.8	187.9	55,900	52.5	196.0	52,100							100
105										31.4	180.5	52,500	47.1	191.6	48,900							105
110										22.0	170.1	49,400	41.1	186.3	46,000							110
115													34.2	179.5	43,400	48.7	188.1	40,200				115
120													25.8	170.5	41,000	42.9	183.0	38,000				120
125													12.6	155.2	38,700	36.3	176.8	36,000				125
130																28.4	168.6	34,100	44.0	178.3	31,500	130
135																17.4	156.1	32,300	37.6	172.3	29,900	135
140																			30.1	164.5	28,400	140
145																			20.0	153.3	27,000	145

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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	133,500b																55
60	54.8	214.7	110,000*	65.1	221.1	119,000b																60
65	50.2	210.8	98,300*	61.1	218.4	107,300b	67.0	221.0	103,200b													65
70	45.3	206.1	88,600*	56.8	215.3	97,500	63.0	218.5	93,800b													70
75	39.9	200.4	80,600*	52.4	211.6	89,300	58.9	215.7	85,900													75
80	33.8	193.5	73,700*	47.7	207.3	82,300	54.5	212.3	79,100													80
85	26.4	184.6	67,900*	42.5	202.1	76,100	49.9	208.3	73,200	60.6	214.1	68,300b										85
90	16.1	171.1	62,700*	36.8	195.9	70,800	45.0	203.5	68,100	56.4	210.9	63,500										90
95				30.1	188.1	66,100	39.6	197.8	63,500	51.9	207.2	59,200										95
100				21.6	177.3	61,800	33.4	190.8	59,500	47.1	202.8	55,500	57.9	208.3	51,500							100
105													53.5	204.8	48,300							105
110				4.7	154.2	57,800	26.0	181.7	55,800	41.9	197.5	52,100	48.9	200.6	45,500							110
115							15.4	167.8	52,500	36.1	191.2	49,000	29.3	183.1	46,300							115
120										20.5	171.8	43,700	38.3	189.8	40,600	50.2	197.0	37,500				120
125													31.9	182.4	38,400	45.3	192.3	35,500				125
130													24.0	172.6	36,400	39.9	186.7	33,600				130
135													11.7	156.2	34,500	33.8	179.8	31,900	46.3	187.5	29,300	135
140																26.5	170.9	30,300	41.0	182.0	27,900	140
145																16.2	157.5	28,800				145
150																			35.1	175.4	26,500	150
155																			28.0	167.0	25,200	155
																			18.6	154.9	24,000	

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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	73.2	235.9	152,500*																			40
45	69.9	234.2	144,100*																			45
50	66.4	232.1	134,400*																			50
55	62.9	229.6	125,100*																			55
60	59.2	226.8	110,400*	68.0	232.0	118,600b																60
65	55.4	223.4	98,600*	64.6	229.7	106,900b																65
70	51.4	219.6	88,900*	60.9	227.1	97,200	66.2	229.7	93,300b													70
75	47.1	215.2	80,800*	57.2	224.0	88,900	62.7	227.2	85,400													75
80	42.5	210.0	73,900*	53.3	220.4	81,900	59.0	224.3	78,700													80
85	37.5	203.9	68,000*	49.2	216.3	75,800	55.2	221.0	72,800													85
90	31.8	196.4	62,900*	44.7	211.5	70,500	51.1	217.1	67,700	60.5	222.8	63,000										90
95	24.9	186.8	58,300*	39.9	205.8	65,800	46.9	212.6	63,200	56.8	219.6	58,800										95
100	15.2	172.4	54,300*	34.6	199.0	61,600	42.3	207.4	59,200	52.8	216.0	55,100										100
105				28.3	190.6	57,900	37.2	201.2	55,600	48.7	211.8	51,700										105
110				20.3	179.1	54,500	31.4	193.7	52,300	44.2	206.9	48,700	54.3	213.5	45,000							110
115				4.3	154.5	51,200	24.4	183.9	49,400	39.4	201.2	45,900	50.2	209.5	42,500							115
120							14.4	169.0	46,600	33.9	194.2	43,400	45.9	204.9	40,200							120
125										27.5	185.5	41,100	41.2	199.5	38,000	51.4	205.9	35,000				125
130										19.2	173.5	39,000	36.0	193.0	36,100	47.1	201.4	33,200				130
135													30.0	185.1	34,300	42.6	196.3	31,500				135
140													22.6	174.6	32,600	37.5	190.1	30,000	48.0	196.5	27,400	140
145													11.0	157.1	30,900	31.8	182.7	28,500	43.5	191.5	26,000	145
150																24.9	173.1	27,100	38.5	185.6	24,800	150
155																15.2	158.8	25,800	33.0	178.4	23,600	155
160																			26.4	169.3	22,500	160
165																			17.5	156.4	21,500	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	75.0	246.4	145,200*b																			40
45	72.0	244.8	137,700*b																			45
50	68.9	243.0	130,200*b																			50
55	65.8	240.8	121,800*																			55
60	62.6	238.3	111,200*	70.4	242.8	118,200b																60
65	59.3	235.4	99,200*	67.3	240.8	106,500																65
70	55.9	232.2	89,300*	64.1	238.4	96,700																70
75	52.3	228.4	81,100*	60.8	235.7	88,500	65.6	238.4	84,900													75
80	48.5	224.2	74,100*	57.5	232.7	81,500	62.4	235.9	78,200													80
85	44.5	219.3	68,100*	54.0	229.2	75,400	59.1	233.0	72,300													85
90	40.2	213.7	62,900*	50.3	225.2	70,100	55.7	229.7	67,200													90
95	35.5	207.1	58,400*	46.4	220.6	65,400	52.1	225.9	62,700	60.5	231.4	58,200										95
100	30.1	199.1	54,400*	42.3	215.4	61,300	48.3	221.7	58,700	57.1	228.3	54,500										100
105	23.5	188.9	50,700*	37.8	209.3	57,600	44.3	216.8	55,200	53.6	224.8	51,200										105
110	14.3	173.6	47,500*	32.7	202.0	54,200	40.0	211.1	51,900	49.9	220.7	48,200										110
115				26.8	193.0	51,100	35.2	204.4	49,000	46.0	216.1	45,400	54.9	222.3	41,900							115
120				19.2	180.8	48,300	29.7	196.3	46,300	41.8	210.8	43,000	51.3	218.4	39,600							120
125				4.1	154.8	45,600	23.1	185.9	43,900	37.2	204.5	40,700	47.4	214.0	37,500							125
130							13.6	170.2	41,600	32.1	197.1	38,600	43.4	208.9	35,600	52.3	214.7	32,600				130
135										26.1	187.8	36,700	38.9	203.1	33,800	48.5	210.5	30,900				135
140										18.2	175.1	34,800	34.0	196.1	32,100	44.5	205.6	29,400				140
145													28.4	187.6	30,600	40.2	200.0	28,000				145
150													21.4	176.5	29,100	35.5	193.4	26,600	45.3	200.7	24,200	150
155													10.4	158.0	27,700	30.1	185.4	25,400	41.1	195.3	23,100	155
160																23.6	175.2	24,200	36.4	188.9	22,000	160
165																14.4	160.0	23,100	31.2	181.2	21,000	165
170																			24.9	171.5	20,000	170
175																			16.6	157.8	19,100	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	106,000																65
70	59.3	244.1	91,400*	66.6	249.5	96,300																70
75	56.2	240.9	82,900*	63.7	247.1	88,100	68.0	249.3	84,400													75
80	53.0	237.2	75,800*	60.8	244.4	81,000	65.1	247.1	77,700													80
85	49.7	233.1	69,700*	57.7	241.3	75,000	62.2	244.5	71,800													85
90	46.1	228.5	64,300*	54.6	237.9	69,700	59.2	241.7	66,800													90
95	42.3	223.2	59,700*	51.3	234.0	65,000	56.1	238.4	62,300													95
100	38.2	217.2	55,600*	47.8	229.7	60,900	52.8	234.7	58,300	60.4	240.1	54,000										100
105	33.7	210.1	51,900*	44.1	224.7	57,200	49.5	230.6	54,700	57.4	237.0	50,700										105
110	28.6	201.6	48,600*	40.2	219.1	53,800	45.9	225.9	51,500	54.2	233.5	47,700										110
115	22.4	190.8	45,600*	35.9	212.5	50,800	42.1	220.6	48,600	50.9	229.6	45,000										115
120	13.6	174.8	42,300*	31.1	204.8	48,000	38.0	214.6	46,000	47.4	225.2	42,500	55.4	231.0	39,100							120
125				25.5	195.2	45,500	33.5	207.4	43,500	43.7	220.2	40,200	52.1	227.2	37,000							125
130				18.3	182.3	43,100	28.3	198.8	41,300	39.8	214.4	38,200	48.7	223.0	35,100							130
135				3.8	155.1	39,000*	22.0	187.8	39,200	35.4	207.8	36,300	45.1	218.2	33,300	53.0	223.5	30,400				135
140							13.0	171.3	37,300	30.5	199.8	34,500	41.2	212.7	31,700	49.7	219.4	28,900				140
145										24.8	190.0	32,800	37.0	206.4	30,100	46.1	214.8	27,500				145
150										17.3	176.6	31,300	32.4	199.0	28,700	42.3	209.5	26,200				150
155													27.0	190.0	27,400	38.3	203.5	24,900	46.8	209.9	22,500	155
160													20.3	178.2	26,100	33.8	196.4	23,800	43.1	204.7	21,500	160
165													9.9	158.8	24,900	28.6	187.9	22,700	39.1	198.9	20,500	165
170																22.4	177.1	21,700	34.7	192.0	19,500	170
175																13.7	161.2	20,600	29.7	183.9	18,700	175
180																			23.7	173.6	17,800	180
185																			15.8	159.1	17,000	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	86,500																70
75	59.4	252.7	82,600*	66.1	258.2	78,800																75
80	56.6	249.5	75,400*	63.4	255.8	72,200	67.3	258.1	67,700													80
85	53.6	246.0	69,300*	60.7	253.1	66,500	64.7	255.8	62,300													85
90	50.6	242.0	63,900*	57.9	250.0	61,600	62.0	253.2	57,600													90
95	47.4	237.6	59,300*	55.0	246.6	57,200	59.2	250.3	53,500													95
100	44.0	232.6	55,100*	52.0	242.8	53,300	56.4	247.1	49,800													100
105	40.4	226.9	51,500*	48.9	238.6	49,800	53.5	243.5	46,500	60.4	248.8	41,100										105
110	36.5	220.5	48,200*	45.6	233.9	46,700	50.4	239.5	43,600	57.6	245.7	38,400										110
115	32.2	213.0	45,200*	42.1	228.6	43,800	47.2	235.0	40,900	54.7	242.3	36,000										115
120	27.3	204.1	42,500*	38.4	222.6	41,200	43.8	230.0	38,400	51.7	238.4	33,800										120
125	21.4	192.7	40,100*	34.3	215.6	38,900	40.2	224.3	36,200	48.6	234.2	31,800	55.8	239.7	27,400							125
130	13.0	175.9	37,200*	29.7	207.4	36,700	36.3	217.8	34,100	45.3	229.4	29,900	52.8	236.0	25,700							130
135				24.4	197.4	34,700	32.0	210.3	32,200	41.7	224.0	28,200	49.7	231.9	24,200							135
140				17.5	183.9	32,700	27.0	201.2	30,500	38.0	217.9	26,600	46.5	227.3	22,800							140
145				3.6	155.3	30,800	21.0	189.7	28,800	33.8	210.8	25,100	43.0	222.2	21,500	50.6	228.3	17,800				145
150							12.4	172.3	27,200	29.2	202.5	23,800	39.4	216.3	20,200	47.4	223.8	16,800				150
155										23.7	192.1	22,400	35.4	209.6	19,100	44.0	218.8	15,700				155
160										16.6	178.0	21,200	30.9	201.8	18,000	40.4	213.2	14,800	48.0	218.9	11,700	160
165													25.8	192.3	17,000	36.5	206.8	13,900	44.7	214.0	10,900	165
170													19.4	179.9	16,000	32.3	199.3	13,000	41.1	208.5	10,100	170
175													9.4	159.6	15,000	27.4	190.4	12,200	37.3	202.2	9,400	175
180																21.4	179.0	11,400	33.1	195.0	8,800	180
185																13.1	162.3	10,700	28.4	186.4	8,100	185
190																			22.7	175.6	7,500	190
195																			15.0	160.4	6,900	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	86,100																70
75	62.0	264.3	83,100*	68.0	269.1	78,400																75
80	59.4	261.4	75,800*	65.6	266.9	71,800																80
85	56.8	258.2	69,600*	63.2	264.4	66,200	66.8	266.8	62,000													85
90	54.1	254.7	64,200*	60.7	261.7	61,200	64.3	264.5	57,300													90
95	51.3	250.8	59,500*	58.1	258.7	56,800	61.8	261.9	53,100													95
100	48.4	246.5	55,300*	55.4	255.3	53,000	59.3	259.0	49,500													100
105	45.4	241.8	51,600*	52.7	251.6	49,500	56.7	255.8	46,200	62.9	260.2	40,700										105
110	42.2	236.5	48,300*	49.8	247.5	46,400	54.0	252.3	43,200	60.4	257.4	38,000										110
115	38.7	230.5	45,300*	46.9	243.0	43,600	51.2	248.3	40,600	57.8	254.4	35,600										115
120	35.0	223.7	42,500*	43.7	238.0	41,000	48.3	244.0	38,100	55.1	251.0	33,400										120
125	30.9	215.8	40,100*	40.4	232.3	38,600	45.2	239.2	35,900	52.4	247.2	31,400										125
130	26.2	206.4	37,800*	36.8	225.9	36,500	42.0	233.9	33,900	49.5	243.1	29,600	56.1	248.4	25,400							130
135	20.5	194.5	35,700*	32.9	218.6	34,500	38.5	227.9	32,000	46.5	238.5	27,900	53.4	244.8	23,800							135
140	12.5	177.0	33,200*	28.5	210.0	32,600	34.8	221.0	30,300	43.4	233.4	26,300	50.6	240.8	22,400							140
145				23.4	199.4	30,900	30.7	213.0	28,600	40.0	227.7	24,900	47.6	236.4	21,100							145
150				16.8	185.3	29,300	25.9	203.5	27,100	36.4	221.2	23,500	44.5	231.5	19,900	51.4	237.1	16,400				150
155				3.5	155.6	27,600	20.2	191.4	25,700	32.4	213.7	22,200	41.2	226.0	18,800	48.5	232.8	15,400				155
160							11.9	173.3	24,300	28.0	204.9	21,000	37.7	219.8	17,700	45.4	228.0	14,500				160
165										22.7	194.1	19,900	33.9	212.7	16,700	42.2	222.7	13,600				165
170										15.9	179.4	18,800	29.7	204.4	15,800	38.8	216.8	12,800	46.0	223.2	9,800	170
175													24.8	194.5	14,900	35.0	210.0	12,000	42.8	218.0	9,100	175
180													18.6	181.5	14,000	30.9	202.1	11,200	39.4	212.1	8,500	180
185													9.0	160.3	13,100	26.2	192.7	10,500	35.8	205.5	7,800	185
190																20.6	180.8	9,800	31.8	197.8	7,300	190
195																12.6	163.4	9,100	27.2	188.8	6,700	195
200																			21.8	177.5	6,100	200
205																			14.4	161.7	5,600	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	77,800																75
80	61.8	272.9	75,400*	67.5	277.8	71,200																80
85	59.5	270.1	69,200*	65.2	275.6	65,600																85
90	57.1	266.9	63,800*	62.9	273.1	60,600	66.3	275.5	56,600													90
95	54.6	263.5	59,000*	60.6	270.4	56,300	64.0	273.2	52,500													95
100	52.0	259.7	54,800*	58.2	267.4	52,400	61.7	270.5	48,800													100
105	49.3	255.5	51,100*	55.8	264.0	48,900	59.3	267.6	45,500													105
110	46.6	250.9	47,800*	53.2	260.4	45,800	56.9	264.5	42,600	62.7	268.9	37,300										110
115	43.6	245.8	44,800*	50.6	256.4	43,000	54.4	261.0	39,900	60.3	266.1	34,900										115
120	40.6	240.2	42,100*	47.9	252.0	40,400	51.9	257.2	37,500	57.9	263.0	32,700										120
125	37.3	233.9	39,600*	45.0	247.2	38,100	49.2	253.0	35,300	55.5	259.7	30,700										125
130	33.7	226.7	37,400*	42.0	241.8	35,900	46.4	248.4	33,300	52.9	256.0	28,900										130
135	29.7	218.4	35,300*	38.9	235.8	34,000	43.5	243.2	31,400	50.3	252.0	27,200	56.4	257.1	23,100							135
140	25.2	208.6	33,400*	35.4	229.1	32,100	40.4	237.6	29,700	47.6	247.5	25,700	53.9	253.5	21,700							140
145	19.7	196.2	31,600*	31.7	221.4	30,400	37.1	231.2	28,100	44.7	242.6	24,200	51.3	249.6	20,400							145
150	12.0	178.0	29,400*	27.4	212.4	28,800	33.5	224.0	26,600	41.7	237.2	22,900	48.6	245.3	19,200							150
155				22.5	201.4	27,300	29.5	215.7	25,200	38.5	231.2	21,600	45.8	240.6	18,100	52.0	245.9	14,600				155
160				16.1	186.7	25,900	24.9	205.7	23,900	35.0	224.3	20,400	42.8	235.4	17,000	49.4	241.7	13,700				160
165				3.3	155.8	24,400	19.4	193.1	22,600	31.2	216.5	19,300	39.7	229.6	16,000	46.6	237.2	12,800				165
170							11.4	174.3	21,400	26.9	207.3	18,300	36.3	223.1	15,100	43.7	232.1	12,000				170
175										21.9	196.0	17,300	32.6	215.6	14,200	40.6	226.4	11,200	47.1	232.2	8,300	175
180										15.3	180.7	16,300	28.5	207.0	13,400	37.3	220.1	10,500	44.2	227.3	7,700	180
185													23.8	196.6	12,600	33.7	213.0	9,800	41.2	221.7	7,100	185
190													17.9	183.1	11,800	29.8	204.7	9,200	37.9	215.6	6,500	190
195													8.7	161.0	11,000	25.3	194.9	8,500	34.4	208.6	6,000	195
200																19.8	182.5	7,900	30.6	200.6	5,400	200
205																12.1	164.4	7,300	26.2	191.1	4,900	205
210																			20.9	179.3	4,400	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	70,600																80
85	61.7	281.6	69,800*	67.0	286.6	64,900																85
90	59.5	278.7	64,300*	64.9	284.3	60,000	68.0	286.4	55,900													90
95	57.3	275.6	59,500*	62.7	281.8	55,600	65.9	284.2	51,800													95
100	54.9	272.2	55,300*	60.6	279.0	51,800	63.8	281.8	48,200													100
105	52.6	268.4	51,500*	58.3	276.0	48,300	61.6	279.2	44,900													105
110	50.1	264.4	48,200*	56.1	272.7	45,200	59.4	276.3	42,000													110
115	47.5	259.9	45,100*	53.7	269.2	42,400	57.1	273.2	39,300	62.5	277.5	34,200										115
120	44.9	255.0	42,400*	51.3	265.3	39,900	54.8	269.7	36,900	60.3	274.7	32,100										120
125	42.1	249.7	39,900*	48.8	261.0	37,500	52.4	266.0	34,700	58.1	271.7	30,100										125
130	39.1	243.7	37,600*	46.2	256.3	35,400	50.0	261.9	32,700	55.8	268.4	28,200										130
135	35.9	237.1	35,500*	43.4	251.2	33,400	47.4	257.4	30,800	53.4	264.8	26,600										135
140	32.5	229.6	33,600*	40.5	245.5	31,600	44.7	252.5	29,100	51.0	260.8	25,000	56.6	265.8	21,000							140
145	28.7	221.0	31,800*	37.5	239.3	29,900	41.9	247.1	27,500	48.5	256.5	23,600	54.3	262.3	19,700							145
150	24.3	210.8	30,100*	34.2	232.2	28,300	38.9	241.1	26,000	45.9	251.8	22,300	51.9	258.4	18,500							150
155	19.1	197.9	28,600*	30.5	224.2	26,800	35.8	234.5	24,700	43.1	246.6	21,000	49.4	254.3	17,400							155
160	11.6	179.0	25,300*	26.5	214.8	25,500	32.3	226.9	23,400	40.2	240.9	19,800	46.8	249.7	16,400	52.6	254.7	13,000				160
165				21.7	203.3	24,100	28.5	218.2	22,100	37.1	234.5	18,700	44.1	244.7	15,400	50.1	250.6	12,100				165
170				15.6	188.1	22,900	24.1	207.9	21,000	33.8	227.4	17,700	41.3	239.2	14,500	47.6	246.2	11,300				170
175				3.2	156.1	21,600	18.7	194.8	19,900	30.1	219.2	16,700	38.3	233.1	13,600	44.9	241.3	10,600				175
180							11.0	175.2	18,800	26.0	209.6	15,800	35.0	226.2	12,800	42.1	236.0	9,900				180
185										21.1	197.9	14,900	31.5	218.5	12,000	39.1	230.0	9,200	45.4	236.4	6,400	185
190										14.7	182.0	14,100	27.5	209.4	11,300	36.0	223.4	8,500	42.6	231.2	5,800	190
195													23.0	198.6	10,600	32.5	215.9	7,900	39.7	225.4	5,300	195
200													17.3	184.6	9,900	28.7	207.3	7,300	36.6	218.9	4,800	200
205													8.4	161.7	9,200	24.4	197.1	6,700	33.2	211.6	4,300	205
210																19.1	184.2	6,200				210
215																11.6	165.4	5,600				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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	70,000													80
85	63.6	292.9	70,000*	68.5	297.4	64,300													85
90	61.6	290.3	64,500*	66.6	295.3	59,400													90
95	59.5	287.4	59,600*	64.6	293.0	55,000	67.5	295.2	51,100										95
100	57.4	284.3	55,300*	62.6	290.5	51,200	65.5	292.9	47,500										100
105	55.3	280.9	51,400*	60.5	287.7	47,700	63.5	290.5	44,200										105
110	53.1	277.2	48,000*	58.4	284.7	44,600	61.5	287.9	41,300										110
115	50.8	273.2	44,900*	56.3	281.4	41,800	59.4	285.0	38,700										115
120	48.4	268.9	42,100*	54.1	277.9	39,300	57.3	281.8	36,300	62.4	286.2	31,300							120
125	45.9	264.2	39,600*	51.9	274.1	36,900	55.2	278.4	34,100	60.3	283.4	29,300							125
130	43.4	259.0	37,300*	49.5	269.9	34,800	52.9	274.7	32,100	58.2	280.4	27,500							130
135	40.7	253.4	35,200*	47.1	265.4	32,800	50.6	270.7	30,200	56.1	277.1	25,900							135
140	37.8	247.2	33,200*	44.6	260.4	31,000	48.3	266.4	28,500	53.9	273.5	24,300							140
145	34.7	240.3	31,400*	42.0	255.0	29,300	45.8	261.7	26,900	51.6	269.7	22,900	56.8	274.5	19,000				145
150	31.4	232.4	29,800*	39.2	249.1	27,800	43.2	256.5	25,400	49.3	265.5	21,600	54.7	271.0	17,800				150
155	27.7	223.5	28,200*	36.2	242.5	26,300	40.5	250.8	24,100	46.8	260.9	20,300	52.4	267.2	16,700				155
160	23.5	212.8	26,800*	33.0	235.2	24,900	37.6	244.6	22,800	44.3	255.9	19,200	50.1	263.2	15,700				160
165	18.4	199.5	25,400*	29.5	226.8	23,600	34.6	237.6	21,600	41.7	250.5	18,100	47.7	258.7	14,700				165
170	11.2	179.9	22,400*	25.6	217.0	22,400	31.2	229.7	20,400	38.9	244.4	17,100	45.2	253.9	13,800	50.8	259.5	10,600	170
175				21.0	205.2	21,300	27.5	220.7	19,300	35.9	237.8	16,100	42.6	248.6	12,900	48.4	255.2	9,800	175
180				15.1	189.4	20,200	23.3	209.9	18,300	32.7	230.3	15,200	39.9	242.8	12,100	45.9	250.5	9,100	180
185				3.1	156.3	19,000	18.1	196.3	17,300	29.1	221.8	14,300	37.0	236.4	11,400	43.4	245.3	8,400	185
190							10.6	176.1	16,400	25.1	211.9	13,500	33.9	229.3	10,600	40.7	239.7	7,800	190
195										20.4	199.7	12,700	30.4	221.2	9,900	37.8	233.5	7,200	195
200										14.2	183.2	11,900	26.6	211.8	9,300	34.8	226.5	6,600	200
205													22.2	200.6	8,600	31.4	218.7	6,100	205
210													16.7	186.1	8,000	27.8	209.8	5,500	210
215													8.1	162.4	7,400	23.6	199.1	5,000	215
220																18.5	185.8	4,500	220
225																11.3	166.3	4,000	225

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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	63,900													85
90	63.4	301.6	64,200*	68.0	306.2	59,000													90
95	61.5	298.9	59,300*	66.2	304.0	54,600													95
100	59.6	296.1	55,000*	64.3	301.7	50,800	67.0	303.9	47,100										100
105	57.6	293.0	51,100*	62.4	299.1	47,300	65.2	301.6	43,800										105
110	55.6	289.6	47,700*	60.5	296.4	44,200	63.3	299.2	40,900										110
115	53.5	286.0	44,600*	58.5	293.4	41,400	61.4	296.5	38,300										115
120	51.3	282.1	41,800*	56.5	290.1	38,900	59.5	293.6	35,900										120
125	49.1	277.8	39,300*	54.5	286.6	36,600	57.5	290.5	33,700	62.2	294.9	28,900							125
130	46.9	273.3	37,000*	52.4	282.9	34,400	55.4	287.1	31,700	60.3	292.1	27,100							130
135	44.5	268.3	34,900*	50.2	278.8	32,500	53.4	283.5	29,800	58.3	289.0	25,500							135
140	42.0	262.9	32,900*	47.9	274.4	30,700	51.2	279.6	28,100	56.3	285.8	23,900							140
145	39.4	257.0	31,100*	45.6	269.6	29,000	49.0	275.3	26,600	54.2	282.3	22,500							145
150	36.6	250.5	29,500*	43.2	264.4	27,400	46.7	270.7	25,100	52.1	278.5	21,200	57.0	283.1	17,400				150
155	33.7	243.3	27,900*	40.6	258.8	26,000	44.3	265.8	23,700	49.9	274.3	20,000	55.0	279.7	16,300				155
160	30.5	235.2	26,500*	38.0	252.6	24,600	41.9	260.3	22,400	47.7	269.9	18,800	52.9	276.0	15,300				160
165	26.9	225.9	25,100*	35.1	245.7	23,300	39.2	254.4	21,200	45.3	265.1	17,700	50.7	272.0	14,300				165
170	22.8	214.8	23,800*	32.0	238.0	22,100	36.5	247.9	20,100	42.9	259.9	16,700	48.5	267.7	13,400				170
175	17.9	201.0	22,700*	28.6	229.3	21,000	33.5	240.6	19,000	40.3	254.1	15,800	46.2	263.0	12,600	51.4	268.3	9,400	175
180	10.9	180.9	19,900*	24.8	219.2	19,900	30.3	232.4	18,000	37.6	247.9	14,900	43.8	257.9	11,800	49.1	264.1	8,700	180
185				20.3	206.9	18,900	26.7	223.0	17,100	34.8	240.9	14,000	41.3	252.4	11,000	46.9	259.5	8,100	185
190				14.6	190.6	17,900	22.6	211.9	16,200	31.6	233.2	13,200	38.6	246.4	10,300	44.5	254.6	7,400	190
195				3.0	156.5	16,900	17.5	197.9	15,300	28.2	224.3	12,500	35.8	239.7	9,600	42.0	249.2	6,800	195
200							10.3	177.0	14,400	24.4	214.0	11,700	32.8	232.2	9,000	39.4	243.3	6,300	200
205										19.8	201.4	11,000	29.5	223.8	8,300	36.6	236.8	5,700	205
210										13.8	184.4	10,300	25.8	214.1	7,700	33.7	229.6	5,200	210
215													21.5	202.5	7,200	30.5	221.5	4,700	215
220													16.2	187.5	6,600	26.9	212.2	4,200	220
225													7.8	163.1	6,000				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	63,300													85
90	65.0	312.7	62,200*	69.3	317.0	58,400													90
95	63.2	310.3	58,700*	67.6	314.9	54,000													95
100	61.4	307.6	54,400*	65.8	312.7	50,200													100
105	59.6	304.7	50,600*	64.1	310.4	46,700	66.7	312.6	43,200										105
110	57.7	301.6	47,200*	62.3	307.8	43,600	64.9	310.3	40,300										110
115	55.8	298.3	44,100*	60.5	305.0	40,800	63.1	307.9	37,600										115
120	53.9	294.7	41,300*	58.6	302.0	38,300	61.3	305.2	35,200										120
125	51.9	290.9	38,800*	56.7	298.8	36,000	59.5	302.3	33,100										125
130	49.8	286.7	36,400*	54.8	295.4	33,900	57.6	299.2	31,100	62.1	303.5	26,400							130
135	47.7	282.3	34,300*	52.8	291.6	31,900	55.7	295.8	29,200	60.3	300.7	24,800							135
140	45.4	277.5	32,400*	50.8	287.6	30,100	53.7	292.3	27,500	58.4	297.7	23,200							140
145	43.2	272.3	30,600*	48.7	283.3	28,400	51.7	288.4	25,900	56.5	294.5	21,800							145
150	40.8	266.6	28,900*	46.5	278.7	26,900	49.7	284.2	24,500	54.6	291.0	20,500							150
155	38.2	260.5	27,400*	44.2	273.7	25,400	47.5	279.8	23,100	52.6	287.2	19,300	57.2	291.8	15,500				155
160	35.5	253.7	25,900*	41.9	268.3	24,100	45.3	274.9	21,800	50.5	283.2	18,200	55.3	288.4	14,500				160
165	32.7	246.2	24,600*	39.4	262.4	22,800	43.0	269.7	20,700	48.4	278.9	17,100	53.3	284.8	13,600				165
170	29.6	237.8	23,300*	36.8	255.9	21,600	40.6	264.0	19,500	46.3	274.2	16,100	51.3	280.9	12,700				170
175	26.1	228.2	22,100*	34.1	248.8	20,500	38.1	257.9	18,500	44.0	269.2	15,100	49.2	276.6	11,900				175
180	22.1	216.8	21,000*	31.1	240.8	19,400	35.4	251.1	17,500	41.6	263.7	14,200	47.0	272.1	11,100	51.9	277.1	8,000	180
185	17.3	202.5	20,000*	27.8	231.8	18,400	32.5	243.5	16,500	39.2	257.7	13,400	44.8	267.2	10,300	49.8	273.0	7,300	185
190	10.5	181.8	17,500*	24.1	221.3	17,500	29.4	235.0	15,600	36.5	251.2	12,600	42.5	261.9	9,600	47.7	268.6	6,700	190
195				19.8	208.7	16,500	25.9	225.3	14,800	33.7	244.0	11,800	40.1	256.1	8,900	45.5	263.8	6,100	195
200				14.2	191.8	15,700	21.9	213.8	14,000	30.7	235.9	11,100	37.5	249.8	8,300	43.2	258.6	5,500	200
205				2.9	156.7	14,700	17.0	199.3	13,200	27.4	226.8	10,400	34.8	242.8	7,700	40.8	252.9	5,000	205
210							10.0	177.9	12,400	23.7	216.1	9,800	31.8	235.1	7,100	38.2	246.8	4,500	210
215										19.2	203.1	9,100	28.6	226.4	6,600	35.6	240.0	4,000	215
220										13.4	185.5	8,500	25.1	216.3	6,000				220
225													20.9	204.3	5,500				225
230													15.7	188.8	5,000				230
235													7.6	163.7	4,400				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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	57,800													90
95	64.8	321.4	55,800*	68.8	325.7	53,400													95
100	63.1	318.9	53,500*	67.2	323.7	49,600													100
105	61.4	316.3	50,100*	65.5	321.4	46,200	68.0	323.5	42,600										105
110	59.6	313.4	46,700*	63.9	319.0	43,100	66.3	321.3	39,700										110
115	57.8	310.3	43,600*	62.2	316.5	40,300	64.7	319.0	37,000										115
120	56.0	307.0	40,800*	60.4	313.7	37,800	63.0	316.5	34,700										120
125	54.2	303.5	38,300*	58.7	310.7	35,400	61.3	313.8	32,500										125
130	52.3	299.7	35,900*	56.9	307.5	33,300	59.5	311.0	30,500										130
135	50.4	295.6	33,800*	55.1	304.1	31,400	57.7	307.9	28,600	62.0	312.2	24,100							135
140	48.4	291.3	31,900*	53.2	300.4	29,600	55.9	304.5	26,900	60.3	309.4	22,600							140
145	46.3	286.6	30,100*	51.3	296.5	27,900	54.1	301.0	25,400	58.5	306.4	21,200							145
150	44.2	281.6	28,400*	49.3	292.3	26,300	52.2	297.2	23,900	56.7	303.2	19,900							150
155	41.9	276.1	26,900*	47.3	287.8	24,900	50.3	293.1	22,600	54.9	299.7	18,700							155
160	39.6	270.3	25,400*	45.2	282.9	23,600	48.2	288.7	21,300	53.0	296.0	17,600	57.3	300.5	13,900				160
165	37.2	263.9	24,100*	43.0	277.7	22,300	46.2	284.1	20,100	51.1	292.1	16,500	55.5	297.1	13,000				165
170	34.6	256.8	22,800*	40.7	272.0	21,100	44.0	279.0	19,000	49.1	287.8	15,500	53.7	293.5	12,100				170
175	31.8	249.1	21,600*	38.3	265.9	20,000	41.8	273.6	17,900	47.1	283.3	14,600	51.8	289.7	11,200				175
180	28.7	240.4	20,500*	35.8	259.1	18,900	39.5	267.7	17,000	44.9	278.4	13,700	49.8	285.5	10,500				180
185	25.4	230.4	19,500*	33.1	251.8	17,900	37.0	261.2	16,000	42.8	273.1	12,800	47.8	281.1	9,700	52.3	285.9	6,700	185
190	21.5	218.7	18,500*	30.2	243.5	17,000	34.4	254.2	15,100	40.5	267.4	12,000	45.7	276.3	9,000	50.4	281.9	6,100	190
195	16.9	204.0	17,600*	27.0	234.2	16,100	31.6	246.4	14,300	38.1	261.2	11,300	43.6	271.2	8,300	48.4	277.5	5,500	195
200	10.2	182.6	15,300*	23.4	223.4	15,200	28.6	237.6	13,500	35.5	254.4	10,600	41.3	265.6	7,700	46.3	272.9	4,900	200
205				19.2	210.3	14,400	25.2	227.6	12,700	32.8	246.9	9,900	38.9	259.6	7,100	44.2	267.8	4,400	205
210				13.8	193.0	13,600	21.3	215.7	12,000	29.9	238.6	9,200	36.5	253.1	6,500				210
215				2.8	156.9	12,700	16.6	200.8	11,300	26.6	229.1	8,600	33.8	245.9	6,000				215
220							9.7	178.7	10,600	23.0	218.1	8,000	31.0	237.9	5,500				220
225										18.7	204.7	7,400	27.9	228.8	5,000				225
230										13.0	186.7	6,900	24.4	218.5	4,500				230
235													20.3	206.1	4,000				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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	52,800										95
100	64.5	330.1	49,300*	68.4	334.5	49,000										100
105	62.9	327.6	47,000*	66.8	332.4	45,600										105
110	61.3	324.9	44,800*	65.3	330.1	42,500	67.6	332.2	39,000							110
115	59.6	322.0	42,700*	63.7	327.7	39,700	66.0	330.1	36,400							115
120	58.0	319.0	40,200*	62.1	325.1	37,200	64.4	327.7	34,000							120
125	56.2	315.7	37,700*	60.4	322.3	34,800	62.8	325.2	31,800							125
130	54.5	312.2	35,400*	58.8	319.4	32,700	61.2	322.5	29,800							130
135	52.7	308.5	33,300*	57.1	316.2	30,800	59.5	319.6	28,000							135
140	50.9	304.5	31,300*	55.3	312.8	29,000	57.9	316.5	26,300	61.9	320.9	21,900				140
145	49.0	300.2	29,500*	53.6	309.2	27,300	56.1	313.2	24,800	60.2	318.0	20,500				145
150	47.1	295.6	27,900*	51.7	305.3	25,800	54.4	309.7	23,300	58.6	315.0	19,200				150
155	45.1	290.8	26,300*	49.9	301.2	24,300	52.6	306.0	21,900	56.9	311.8	18,000				155
160	43.0	285.5	24,900*	48.0	296.7	23,000	50.8	302.0	20,700	55.1	308.4	16,900				160
165	40.8	279.9	23,500*	46.0	292.0	21,700	48.9	297.7	19,500	53.4	304.8	15,800	57.5	309.2	12,200	165
170	38.6	273.8	22,300*	44.0	287.0	20,500	46.9	293.1	18,400	51.5	300.9	14,800	55.8	305.8	11,300	170
175	36.2	267.1	21,100*	41.8	281.5	19,400	44.9	288.2	17,300	49.7	296.7	13,900	54.0	302.3	10,500	175
180	33.7	259.9	20,000*	39.6	275.6	18,400	42.9	283.0	16,400	47.8	292.3	13,000	52.2	298.5	9,700	180
185	30.9	251.8	18,900*	37.3	269.3	17,400	40.7	277.3	15,400	45.8	287.5	12,200	50.4	294.4	9,000	185
190	28.0	242.9	18,000*	34.9	262.3	16,400	38.4	271.1	14,500	43.7	282.4	11,400	48.5	290.1	8,300	190
195	24.7	232.6	17,000*	32.2	254.7	15,600	36.0	264.5	13,700	41.6	276.9	10,700	46.5	285.4	7,700	195
200	21.0	220.5	16,100*	29.4	246.2	14,700	33.5	257.2	12,900	39.4	271.0	10,000	44.5	280.4	7,000	200
205	16.4	205.4	15,300*	26.3	236.5	13,900	30.8	249.1	12,200	37.1	264.5	9,300	42.4	275.1	6,400	205
210	10.0	183.5	13,200*	22.8	225.4	13,100	27.8	240.1	11,400	34.6	257.5	8,600	40.2	269.3	5,900	210
215				18.7	212.0	12,400	24.5	229.7	10,700	31.9	249.8	8,000	37.9	263.1	5,300	215
220				13.4	194.2	11,600	20.7	217.5	10,100	29.1	241.2	7,400	35.5	256.3	4,800	220
225				2.7	157.1	10,900	16.1	202.2	9,400	26.0	231.4	6,900	32.9	248.8	4,300	225
230							9.5	179.5	8,800	22.4	220.1	6,300				230
235										18.2	206.3	5,800				235
240										12.7	187.8	5,200				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	133,100b																55
60	49.0	212.1	110,300*	62.4	220.4	118,700b																60
65	43.3	207.2	98,500*	57.6	217.4	107,000b	65.0	220.6	102,600b													65
70	36.8	201.0	88,800*	52.5	213.7	97,300b	60.4	217.9	93,300b													70
75	29.0	192.9	80,700*	47.1	209.3	89,100	55.5	214.6	85,400b													75
80	18.3	180.9	73,900*	41.1	204.0	82,100	50.3	210.7	78,700													80
85				34.2	197.2	75,900	44.6	205.9	72,800	58.4	213.6	67,600b										85
90				25.7	188.2	70,600	38.3	200.1	67,700	53.4	210.1	62,900b										90
95				12.5	172.8	65,700	30.9	192.5	63,200	48.0	205.9	58,700										95
100							21.2	181.8	59,100	42.1	200.7	54,900	56.0	208.0	50,700b							100
105										35.4	194.2	51,600	50.9	204.1	47,600							105
110										27.3	185.7	48,500	45.3	199.4	44,800							110
115										15.5	172.2	45,700	39.1	193.7	42,300							115
120													31.8	186.4	40,000	47.8	196.4	36,700				120
125													22.5	176.2	37,800	41.9	191.2	34,700				125
130																35.2	184.7	32,900				130
135																27.0	176.1	31,200	44.0	186.9	28,500	135
140																15.0	162.3	29,600	37.6	180.9	27,000	140
145																			30.1	173.2	25,700	145
150																			20.0	161.9	24,400	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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	132,600b																55
60	55.1	225.0	111,600*	66.1	231.6	118,300b																60
65	50.5	221.0	99,600*	62.1	229.0	106,600b																65
70	45.6	216.4	89,700*	57.9	226.0	96,900b	64.4	229.3	92,800b													70
75	40.3	210.9	81,500*	53.5	222.5	88,700	60.3	226.6	84,900b													75
80	34.3	204.1	74,500*	48.8	218.3	81,700	56.1	223.4	78,200													80
85	27.0	195.3	68,500*	43.8	213.4	75,600	51.6	219.6	72,400	62.7	225.2	67,000b										85
90	17.1	182.4	63,300*	38.3	207.5	70,300	46.8	215.1	67,300	58.6	222.3	62,300b										90
95				31.9	200.1	65,600	41.5	209.8	62,800	54.2	218.9	58,200										95
100				24.0	190.3	61,400	35.7	203.3	58,800	49.6	214.8	54,500										100
105				11.6	173.8	57,600	28.8	195.1	55,200	44.7	210.0	51,100	56.5	216.7	47,000							105
110							19.7	183.5	52,000	39.2	204.3	48,100	52.1	212.9	44,300							110
115										33.0	197.2	45,400	47.3	208.6	41,800							115
120										25.4	187.9	42,900	42.2	203.3	39,500							120
125										14.4	173.4	40,600	36.4	197.0	37,400	49.5	205.4	34,100				125
130													29.6	189.1	35,400	44.5	200.6	32,300				130
135													20.9	178.0	33,600	39.0	194.8	30,700				135
140																32.8	187.7	29,200	46.3	196.1	26,400	140
145																25.2	178.3	27,700	41.0	190.7	25,100	145
150																14.0	163.5	26,400	35.1	184.1	23,900	150
155																			28.0	175.6	22,800	155
160																			18.6	163.5	21,700	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	117,800b																60
65	55.6	233.7	99,900*	65.4	240.3	106,200b																65
70	51.7	229.9	90,000*	61.8	237.7	96,500	67.4	240.3	92,300b													70
75	47.4	225.5	81,700*	58.1	234.7	88,300	63.9	238.0	84,500b													75
80	42.9	220.4	74,700*	54.3	231.3	81,400	60.3	235.2	77,800													80
85	37.9	214.3	68,700*	50.2	227.3	75,300	56.5	232.0	72,000													85
90	32.2	207.0	63,400*	45.8	222.6	70,000	52.6	228.4	67,000	62.4	233.9	61,800										90
95	25.4	197.6	58,800*	41.1	217.2	65,400	48.4	224.1	62,500	58.7	231.0	57,700										95
100	16.0	183.7	54,700*	35.9	210.7	61,200	43.9	219.2	58,500	54.9	227.6	54,000										100
105				30.0	202.8	57,500	39.0	213.4	55,000	50.9	223.7	50,700										105
110				22.5	192.3	54,100	33.5	206.3	51,700	46.6	219.2	47,700	56.9	225.3	43,800							110
115				10.9	174.7	51,000	27.0	197.5	48,800	41.9	213.9	45,100	53.0	221.7	41,300							115
120							18.5	185.1	46,100	36.8	207.6	42,600	48.9	217.6	39,000							120
125										31.0	200.0	40,300	44.4	212.7	37,000							125
130										23.9	190.0	38,300	39.6	207.0	35,100	50.7	214.3	31,900				130
135										13.5	174.5	36,300	34.2	200.1	33,300	46.4	209.8	30,300				135
140													27.9	191.5	31,600	41.8	204.5	28,800				140
145													19.7	179.7	30,100	36.7	198.2	27,400	48.0	205.2	24,700	145
150																30.8	190.4	26,100	43.5	200.2	23,500	150
155																23.7	180.4	24,800	38.5	194.2	22,400	155
160																13.1	164.6	23,600	33.0	187.1	21,300	160
165																			26.4	178.0	20,300	165
170																			17.5	165.0	19,400	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	105,700b																65
70	56.1	242.4	89,900*	64.9	249.0	96,100																70
75	52.5	238.7	81,600*	61.7	246.4	87,900	66.7	249.0	84,000													75
80	48.8	234.5	74,600*	58.3	243.4	80,900	63.5	246.6	77,300													80
85	44.8	229.7	68,500*	54.9	240.0	74,900	60.2	243.9	71,500													85
90	40.5	224.1	63,300*	51.2	236.1	69,600	56.9	240.7	66,500													90
95	35.8	217.6	58,700*	47.4	231.7	65,000	53.3	237.2	62,000	62.2	242.6	57,100										95
100	30.5	209.7	54,600*	43.3	226.6	60,800	49.6	233.1	58,100	58.9	239.7	53,500										100
105	24.0	199.7	51,000*	38.9	220.8	57,100	45.7	228.4	54,500	55.4	236.3	50,200										105
110	15.2	185.0	47,700*	34.0	213.8	53,800	41.5	223.0	51,300	51.8	232.5	47,200										110
115				28.3	205.3	50,800	36.9	216.7	48,400	48.1	228.2	44,500	57.3	234.0	40,700							115
120				21.3	194.1	48,000	31.7	209.2	45,800	44.0	223.3	42,100	53.7	230.5	38,400							120
125				10.3	175.6	45,400	25.6	199.7	43,400	39.7	217.6	39,900	50.1	226.5	36,400							125
130							17.5	186.6	41,100	34.8	210.8	37,800	46.2	221.9	34,500							130
135										29.3	202.6	35,900	42.0	216.6	32,800	51.7	223.1	29,600				135
140										22.6	192.0	34,200	37.4	210.4	31,200	47.9	218.8	28,200				140
145										12.8	175.6	32,500	32.3	203.0	29,700	43.9	213.8	26,800				145
150													26.4	193.9	28,200	39.5	208.1	25,500				150
155													18.6	181.3	26,900	34.7	201.3	24,300	45.3	209.4	21,800	155
160																29.2	193.0	23,200	41.1	203.9	20,700	160
165																22.4	182.3	22,100	36.4	197.5	19,800	165
170																12.4	165.6	21,100	31.2	189.9	18,900	170
175																			24.9	180.2	18,000	175
180																			16.6	166.5	17,100	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	95,200b																65
70	59.6	254.3	92,700*	67.3	259.9	86,200																70
75	56.5	251.1	84,100*	64.4	257.6	78,600																75
80	53.2	247.5	76,700*	61.5	255.0	72,000	66.1	257.8	67,200													80
85	49.9	243.4	70,500*	58.5	252.0	66,400	63.2	255.3	61,900													85
90	46.4	238.8	65,000*	55.3	248.7	61,500	60.2	252.5	57,300													90
95	42.6	233.6	60,300*	52.1	244.9	57,100	57.2	249.4	53,200													95
100	38.5	227.6	56,100*	48.7	240.7	53,300	54.0	245.9	49,500	62.0	251.2	43,400										100
105	34.1	220.7	52,400*	45.1	235.9	49,800	50.6	241.9	46,300	59.0	248.3	40,500										105
110	29.0	212.3	49,000*	41.2	230.4	46,700	47.2	237.5	43,400	55.9	245.0	37,900										110
115	22.9	201.7	46,000*	37.0	224.1	43,800	43.4	232.4	40,700	52.6	241.3	35,500										115
120	14.4	186.3	42,100*	32.3	216.7	41,300	39.5	226.6	38,300	49.2	237.2	33,300	57.5	242.7	28,400							120
125				27.0	207.7	38,900	35.1	219.9	36,100	45.7	232.5	31,300	54.3	239.2	26,600							125
130				20.3	195.9	36,700	30.2	211.9	34,000	41.8	227.1	29,500	51.0	235.3	25,000							130
135				9.8	176.4	34,600	24.3	201.9	32,100	37.7	221.0	27,800	47.6	230.9	23,600							135
140							16.7	188.0	30,300	33.1	213.8	26,300	43.9	225.9	22,200	52.5	231.9	18,200				140
145										27.9	205.1	24,800	39.9	220.2	20,900	49.1	227.8	17,000				145
150										21.5	193.9	23,400	35.6	213.6	19,700	45.6	223.1	16,000				150
155										12.2	176.6	22,100	30.8	205.8	18,600	41.7	217.7	15,000				155
160													25.1	196.1	17,500	37.6	211.5	14,100	46.8	218.5	10,800	160
165													17.7	182.9	16,500	33.0	204.3	13,200	43.1	213.4	10,000	165
170																27.8	195.5	12,400	39.1	207.5	9,300	170
175																21.3	184.2	11,600	34.7	200.7	8,700	175
180																11.8	166.6	10,800	29.7	192.5	8,000	180
185																			23.7	182.3	7,400	185
190																			15.8	167.8	6,800	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	85,500																70
75	59.6	263.0	83,700*	66.7	268.7	77,900																75
80	56.8	259.8	76,400*	64.1	266.3	71,400																80
85	53.8	256.2	70,100*	61.4	263.7	65,800	65.6	266.5	61,200													85
90	50.8	252.3	64,700*	58.6	260.7	60,900	62.9	264.0	56,600													90
95	47.6	247.9	59,900*	55.7	257.4	56,500	60.2	261.2	52,500													95
100	44.3	242.9	55,700*	52.8	253.7	52,700	57.4	258.1	48,900													100
105	40.7	237.3	52,000*	49.7	249.6	49,200	54.5	254.6	45,600	61.8	259.9	39,700										105
110	36.8	231.0	48,600*	46.4	245.0	46,100	51.5	250.8	42,700	59.1	257.0	37,100										110
115	32.5	223.6	45,600*	43.0	239.9	43,300	48.3	246.5	40,100	56.2	253.7	34,700										115
120	27.7	214.7	42,900*	39.3	234.0	40,700	45.0	241.7	37,700	53.3	250.1	32,600										120
125	21.9	203.6	40,400*	35.4	227.3	38,400	41.5	236.2	35,500	50.2	246.1	30,600	57.7	251.4	25,800							125
130	13.8	187.4	37,000*	30.9	219.5	36,200	37.7	230.1	33,500	47.0	241.6	28,800	54.8	248.0	24,200							130
135				25.8	210.0	34,200	33.5	222.9	31,600	43.6	236.5	27,200	51.8	244.2	22,800							135
140				19.4	197.6	32,300	28.8	214.4	29,800	40.0	230.8	25,600	48.7	239.9	21,400							140
145				9.3	177.1	30,500	23.3	203.9	28,200	36.0	224.3	24,200	45.4	235.2	20,200							145
150							15.9	189.4	26,700	31.7	216.6	22,800	41.9	229.8	19,000	50.1	236.7	15,200				150
155										26.7	207.4	21,600	38.1	223.7	17,900	46.9	232.2	14,200				155
160										20.6	195.7	20,400	34.0	216.7	16,800	43.5	227.1	13,300				160
165										11.6	177.6	19,200	29.4	208.4	15,900	39.9	221.3	12,500	48.0	227.5	9,200	165
170													24.0	198.2	14,900	35.9	214.8	11,700	44.7	222.7	8,500	170
175													16.9	184.3	14,000	31.5	207.1	10,900	41.1	217.2	7,900	175
180																26.5	197.9	10,200	37.3	210.9	7,300	180
185																20.4	186.0	9,500	33.1	203.7	6,700	185
190																11.2	167.6	8,800	28.4	195.0	6,100	190
195																			22.7	184.3	5,500	195
200																			15.0	169.1	5,000	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	85,100																70
75	62.2	274.5	83,700*	68.6	279.5	77,500																75
80	59.6	271.6	76,300*	66.2	277.4	71,000																80
85	57.0	268.5	70,000*	63.8	275.0	65,400	67.6	277.4	60,800													85
90	54.3	265.0	64,500*	61.3	272.3	60,500	65.2	275.2	56,200													90
95	51.5	261.1	59,800*	58.7	269.4	56,200	62.7	272.6	52,100													95
100	48.7	256.9	55,600*	56.1	266.1	52,300	60.2	269.9	48,500													100
105	45.6	252.1	51,800*	53.4	262.5	48,900	57.6	266.8	45,300													105
110	42.4	246.8	48,500*	50.5	258.5	45,800	54.9	263.4	42,400	61.7	268.5	36,700										110
115	39.0	240.9	45,500*	47.6	254.1	43,000	52.2	259.6	39,800	59.1	265.6	34,400										115
120	35.3	234.2	42,700*	44.5	249.2	40,500	49.3	255.4	37,400	56.5	262.4	32,200										120
125	31.2	226.4	40,200*	41.2	243.7	38,200	46.3	250.8	35,200	53.8	258.9	30,300										125
130	26.6	217.1	38,000*	37.7	237.5	36,000	43.1	245.7	33,200	51.0	254.9	28,500	57.9	260.1	23,900							130
135	21.0	205.4	35,900*	33.9	230.4	34,000	39.8	239.9	31,300	48.1	250.6	26,800	55.2	256.7	22,400							135
140	13.2	188.6	32,900*	29.6	222.1	32,200	36.1	233.3	29,600	45.0	245.8	25,300	52.5	253.0	21,100							140
145				24.7	212.2	30,500	32.2	225.8	28,000	41.8	240.4	23,900	49.6	248.8	19,800							145
150				18.6	199.2	28,900	27.7	216.9	26,500	38.3	234.3	22,600	46.7	244.3	18,700							150
155				8.9	177.9	27,300	22.3	205.9	25,100	34.5	227.4	21,300	43.5	239.2	17,600	50.9	245.5	13,900				155
160							15.3	190.7	23,800	30.4	219.3	20,200	40.2	233.5	16,600	48.0	241.2	13,000				160
165										25.6	209.7	19,100	36.6	227.0	15,600	44.9	236.3	12,200				165
170										19.7	197.4	18,000	32.6	219.6	14,700	41.7	230.9	11,400				170
175										11.1	178.5	17,000				38.2	224.8	10,600	46.0	231.8	7,500	175
180																34.4	217.9	9,900	42.8	226.6	6,900	180
185																30.3	209.8	9,300	39.4	220.8	6,400	185
190																25.4	200.1	8,600	35.8	214.1	5,800	190
195																19.5	187.7	8,000	31.8	206.5	5,300	195
200																10.8	168.5	7,300	27.2	197.5	4,800	200
205																			21.8	186.2	4,300	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	76,900																75
80	62.0	283.1	75,900*	68.0	288.3	70,400																80
85	59.6	280.3	69,600*	65.8	286.1	64,800																85
90	57.2	277.1	64,100*	63.5	283.7	59,900	67.1	286.1	55,500													90
95	54.8	273.7	59,300*	61.2	281.0	55,600	64.8	283.8	51,500													95
100	52.2	269.9	55,100*	58.8	278.0	51,700	62.5	281.3	47,900													100
105	49.5	265.8	51,400*	56.4	274.8	48,300	60.2	278.5	44,600													105
110	46.8	261.2	48,000*	53.9	271.2	45,200	57.8	275.5	41,700													110
115	43.9	256.2	45,000*	51.3	267.3	42,400	55.3	272.1	39,100	61.6	277.2	33,600										115
120	40.8	250.6	42,300*	48.6	263.1	39,900	52.8	268.4	36,700	59.2	274.3	31,500										120
125	37.5	244.3	39,800*	45.7	258.3	37,600	50.1	264.3	34,600	56.8	271.1	29,600										125
130	34.0	237.2	37,500*	42.8	253.1	35,500	47.4	259.9	32,600	54.3	267.6	27,800										130
135	30.0	229.1	35,400*	39.6	247.3	33,500	44.5	254.9	30,700	51.7	263.8	26,200										135
140	25.6	219.4	33,500*	36.3	240.8	31,700	41.5	249.5	29,000	49.0	259.5	24,600	55.6	265.4	20,300							140
145	20.2	207.2	31,700*	32.6	233.3	30,000	38.2	243.4	27,500	46.2	254.9	23,200	53.1	261.7	19,100							145
150	12.7	189.7	29,100*	28.5	224.7	28,400	34.8	236.5	26,000	43.3	249.8	21,900	50.4	257.7	17,900							150
155				23.8	214.3	26,900	30.9	228.6	24,600	40.2	244.0	20,700	47.7	253.3	16,800							155
160				17.9	200.8	25,500	26.6	219.3	23,300	36.8	237.6	19,600	44.8	248.4	15,800	51.6	254.4	12,200				160
165				8.6	178.6	24,200	21.5	207.8	22,100	33.2	230.4	18,500	41.8	243.0	14,900	48.9	250.1	11,400				165
170							14.7	192.0	20,900	29.2	222.0	17,500	38.6	237.0	14,000	46.1	245.5	10,600				170
175										24.6	211.9	16,500	35.2	230.2	13,200	43.2	240.3	9,900				175
180										19.0	199.0	15,600	31.4	222.4	12,400	40.1	234.6	9,200	47.1	240.9	6,100	180
185										10.7	179.4	14,600	27.1	213.3	11,600	36.8	228.2	8,500	44.2	235.9	5,600	185
190													22.1	202.2	10,900	33.1	220.9	7,900	41.2	230.4	5,000	190
195													15.6	187.1	10,200	29.1	212.4	7,300	37.9	224.2	4,500	195
200																24.5	202.3	6,800	34.4	217.3	4,100	200
205																18.8	189.3	6,200				205
210																10.4	169.3	5,600				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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	69,800													80
85	61.9	291.8	70,200*	67.5	297.0	64,200													85
90	59.7	288.9	64,700*	65.4	294.8	59,300													90
95	57.4	285.8	59,900*	63.3	292.3	55,000	66.6	294.9	50,800										95
100	55.1	282.4	55,600*	61.1	289.7	51,100	64.5	292.5	47,200										100
105	52.7	278.7	51,800*	58.9	286.7	47,700	62.4	290.0	44,000										105
110	50.3	274.7	48,400*	56.6	283.5	44,600	60.2	287.2	41,100										110
115	47.7	270.2	45,300*	54.3	280.0	41,900	57.9	284.1	38,500										115
120	45.1	265.4	42,600*	51.9	276.2	39,300	55.6	280.8	36,100	61.5	285.9	30,800							120
125	42.3	260.1	40,000*	49.4	272.0	37,000	53.3	277.2	34,000	59.2	283.0	28,900							125
130	39.3	254.2	37,700*	46.8	267.4	34,900	50.8	273.2	32,000	57.0	279.8	27,100							130
135	36.2	247.6	35,600*	44.1	262.4	32,900	48.3	268.8	30,100	54.7	276.3	25,500							135
140	32.8	240.2	33,700*	41.3	256.9	31,100	45.7	264.1	28,400	52.3	272.6	24,000							140
145	29.0	231.6	31,900*	38.2	250.8	29,500	42.9	258.9	26,900	49.8	268.5	22,600	55.9	274.1	18,400				145
150	24.7	221.5	30,200*	35.0	243.9	27,900	40.0	253.1	25,400	47.2	264.0	21,300	53.5	270.5	17,200				150
155	19.5	208.9	28,400*	31.5	236.1	26,500	36.9	246.7	24,100	44.5	259.0	20,100	51.1	266.6	16,200				155
160	12.3	190.7	25,000*	27.5	227.1	25,100	33.5	239.5	22,800	41.7	253.6	19,000	48.6	262.3	15,200				160
165				23.0	216.3	23,800	29.8	231.2	21,600	38.7	247.6	17,900	46.0	257.6	14,200	52.2	263.2	10,700	165
170				17.3	202.3	22,600	25.7	221.5	20,400	35.5	240.9	16,900	43.2	252.4	13,400	49.7	259.0	9,900	170
175				8.3	179.3	21,300	20.7	209.6	19,400	32.1	233.3	15,900	40.3	246.7	12,500	47.2	254.5	9,200	175
180							14.2	193.2	18,300	28.2	224.5	15,000	37.3	240.4	11,800	44.5	249.6	8,500	180
185										23.8	214.0	14,200	33.9	233.3	11,000	41.6	244.1	7,900	185
190										18.3	200.6	13,400	30.3	225.2	10,300	38.7	238.1	7,300	190
195										10.3	180.3	12,500	26.2	215.7	9,600	35.4	231.4	6,700	195
200													21.4	204.0	9,000	32.0	223.7	6,100	200
205													15.1	188.4	8,300	28.1	214.9	5,600	205
210																23.6	204.3	5,100	210
215																18.1	190.9	4,600	215
220																10.0	170.2	4,100	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	69,100													80
85	63.8	303.1	68,100*	69.0	307.8	63,500													85
90	61.8	300.5	64,800*	67.0	305.8	58,700													90
95	59.7	297.6	59,900*	65.1	303.5	54,300													95
100	57.6	294.5	55,500*	63.1	301.0	50,500	66.2	303.6	46,500										100
105	55.4	291.1	51,700*	61.0	298.3	47,100	64.2	301.2	43,300										105
110	53.2	287.5	48,200*	59.0	295.4	44,000	62.2	298.6	40,400										110
115	50.9	283.5	45,100*	56.8	292.2	41,300	60.2	295.8	37,800										115
120	48.6	279.2	42,300*	54.7	288.7	38,700	58.1	292.8	35,500										120
125	46.1	274.5	39,800*	52.4	285.0	36,400	55.9	289.5	33,300	61.4	294.5	28,200							125
130	43.5	269.4	37,400*	50.1	280.9	34,300	53.7	285.9	31,300	59.3	291.6	26,400							130
135	40.9	263.8	35,300*	47.7	276.4	32,400	51.4	282.0	29,500	57.2	288.5	24,800							135
140	38.0	257.6	33,400*	45.2	271.6	30,600	49.1	277.8	27,800	55.0	285.1	23,300							140
145	35.0	250.8	31,500*	42.6	266.3	28,900	46.7	273.2	26,300	52.8	281.4	21,900							145
150	31.7	243.0	29,900*	39.9	260.5	27,400	44.1	268.2	24,800	50.5	277.3	20,600	56.2	282.8	16,500				150
155	28.0	234.1	28,300*	37.0	254.1	25,900	41.5	262.7	23,500	48.1	273.0	19,400	54.0	279.2	15,400				155
160	23.9	223.6	26,900*	33.8	247.0	24,600	38.7	256.6	22,200	45.6	268.2	18,300	51.7	275.4	14,400				160
165	18.8	210.5	25,200*	30.4	238.9	23,300	35.7	249.9	21,000	43.0	263.0	17,200	49.4	271.2	13,500				165
170	11.9	191.7	22,100*	26.6	229.5	22,100	32.4	242.4	19,900	40.3	257.3	16,200	46.9	266.6	12,600	52.7	271.9	9,100	170
175				22.2	218.2	20,900	28.9	233.8	18,800	37.5	251.0	15,300	44.4	261.7	11,800	50.4	267.9	8,400	175
180				16.7	203.7	19,800	24.8	223.7	17,800	34.4	244.0	14,400	41.8	256.3	11,000	48.0	263.5	7,800	180
185				8.0	180.0	18,700	20.0	211.3	16,900	31.0	236.0	13,600	39.0	250.3	10,300	45.6	258.8	7,100	185
190							13.7	194.4	15,900	27.3	226.9	12,800	36.0	243.7	9,600	43.0	253.5	6,500	190
195										23.0	216.0	12,000	32.8	236.2	9,000	40.3	247.8	6,000	195
200										17.7	202.2	11,300	29.3	227.8	8,300	37.4	241.5	5,400	200
205										10.0	181.2	10,500	25.3	217.9	7,700	34.3	234.5	4,900	205
210													20.7	205.8	7,100	30.9	226.5	4,400	210
215													14.6	189.6	6,500				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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	63,100													85
90	63.6	311.8	61,700*	68.5	316.6	58,200													90
95	61.7	309.1	59,100*	66.6	314.5	53,900													95
100	59.7	306.3	55,200*	64.8	312.2	50,100	67.7	314.5	46,100										100
105	57.7	303.2	51,400*	62.9	309.7	46,700	65.8	312.3	42,900										105
110	55.7	299.8	47,900*	61.0	307.0	43,600	64.0	309.9	40,000										110
115	53.6	296.2	44,800*	59.0	304.0	40,900	62.1	307.3	37,400										115
120	51.5	292.3	42,000*	57.0	300.9	38,400	60.1	304.5	35,100										120
125	49.3	288.1	39,500*	55.0	297.4	36,100	58.2	301.5	32,900										125
130	47.0	283.6	37,100*	52.9	293.7	34,000	56.2	298.2	30,900	61.3	303.2	26,000							130
135	44.6	278.7	35,000*	50.7	289.7	32,000	54.1	294.6	29,100	59.3	300.3	24,400							135
140	42.2	273.3	33,000*	48.5	285.4	30,200	52.0	290.8	27,500	57.3	297.2	22,900							140
145	39.6	267.4	31,200*	46.2	280.7	28,600	49.8	286.7	25,900	55.3	293.8	21,500							145
150	36.8	261.0	29,600*	43.8	275.7	27,000	47.5	282.2	24,500	53.2	290.1	20,200							150
155	33.9	253.8	28,000*	41.3	270.1	25,600	45.2	277.4	23,100	51.1	286.2	19,000	56.4	291.5	15,000				155
160	30.7	245.8	26,600*	38.6	264.1	24,200	42.7	272.1	21,900	48.9	281.9	17,900	54.3	288.0	14,000				160
165	27.2	236.5	25,200*	35.8	257.4	23,000	40.2	266.4	20,700	46.6	277.3	16,900	52.2	284.2	13,100				165
170	23.1	225.7	23,900*	32.8	249.9	21,800	37.4	260.1	19,600	44.2	272.3	15,900	50.0	280.1	12,300				170
175	18.2	212.1	22,400*	29.5	241.5	20,700	34.6	253.1	18,500	41.7	266.8	15,000	47.8	275.7	11,400				175
180	11.5	192.7	19,600*	25.8	231.8	19,600	31.4	245.2	17,500	39.1	260.9	14,100	45.5	270.9	10,700	51.0	276.8	7,400	180
185				21.5	220.1	18,600	28.0	236.3	16,600	36.3	254.3	13,300	43.0	265.7	10,000	48.8	272.5	6,700	185
190				16.2	205.1	17,600	24.1	225.9	15,700	33.3	247.0	12,500	40.5	260.0	9,300	46.5	267.9	6,200	190
195				7.7	180.6	16,600	19.4	213.0	14,800	30.0	238.7	11,700	37.8	253.7	8,600	44.1	262.8	5,600	195
200							13.3	195.5	14,000	26.4	229.2	11,000	34.9	246.8	8,000	41.6	257.4	5,100	200
205										22.3	218.0	10,300	31.8	239.1	7,400	39.0	251.4	4,500	205
210										17.2	203.7	9,700	28.4	230.3	6,800	36.2	244.8	4,100	210
215										9.7	182.0	9,000	24.5	220.1	6,300				215
220													20.0	207.6	5,800				220
225													14.1	190.9	5,200				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	57,600													90
95	63.4	320.4	56,000*	68.0	325.4	53,300													95
100	61.6	317.8	53,800*	66.3	323.2	49,500													100
105	59.7	314.9	50,800*	64.5	320.9	46,100	67.3	323.2	42,200										105
110	57.9	311.8	47,400*	62.7	318.4	43,000	65.5	321.0	39,400										110
115	56.0	308.5	44,300*	60.9	315.6	40,300	63.8	318.6	36,800										115
120	54.0	305.0	41,500*	59.1	312.7	37,800	62.0	316.0	34,400										120
125	52.0	301.1	38,900*	57.2	309.5	35,500	60.1	313.2	32,300										125
130	49.9	297.0	36,600*	55.3	306.1	33,400	58.3	310.1	30,300	63.0	314.5	25,300							130
135	47.8	292.6	34,500*	53.3	302.5	31,400	56.4	306.9	28,500	61.2	311.9	23,700							135
140	45.6	287.8	32,500*	51.3	298.6	29,600	54.4	303.4	26,800	59.4	309.0	22,200							140
145	43.3	282.7	30,700*	49.2	294.3	28,000	52.4	299.6	25,300	57.5	305.8	20,800							145
150	40.9	277.0	29,000*	47.0	289.8	26,500	50.4	295.6	23,800	55.6	302.5	19,500							150
155	38.4	270.9	27,500*	44.8	284.9	25,000	48.3	291.2	22,500	53.6	298.9	18,300							155
160	35.7	264.2	26,000*	42.5	279.6	23,700	46.1	286.5	21,200	51.6	295.0	17,200	56.6	300.2	13,300				160
165	32.9	256.8	24,700*	40.0	273.8	22,400	43.8	281.4	20,100	49.5	290.8	16,200	54.7	296.7	12,400				165
170	29.8	248.4	23,400*	37.5	267.5	21,200	41.5	275.9	19,000	47.4	286.3	15,200	52.7	293.0	11,500				170
175	26.4	238.9	22,200*	34.8	260.5	20,100	39.0	269.9	17,900	45.2	281.5	14,300	50.6	289.0	10,700				175
180	22.4	227.7	21,100*	31.8	252.8	19,100	36.3	263.3	17,000	42.9	276.2	13,400	48.5	284.6	10,000				180
185	17.7	213.7	19,700*	28.6	244.0	18,100	33.5	256.1	16,000	40.5	270.5	12,600	46.4	280.0	9,300	51.5	285.6	6,000	185
190	11.1	193.6	17,200*	25.0	234.0	17,100	30.5	248.0	15,100	37.9	264.3	11,800	44.1	274.9	8,600	49.5	281.4	5,400	190
195				20.9	222.0	16,200	27.2	238.7	14,300	35.2	257.5	11,100	41.7	269.5	7,900	47.3	276.9	4,800	195
200				15.7	206.5	15,400	23.4	227.9	13,500	32.3	249.9	10,400	39.3	263.5	7,300	45.1	272.0	4,300	200
205				7.5	181.2	14,500	18.9	214.7	12,700	29.2	241.3	9,700	36.7	257.0	6,700				205
210							12.9	196.6	12,000	25.7	231.5	9,100	33.9	249.9	6,200				210
215										21.6	219.9	8,500	30.9	241.8	5,700				215
220										16.7	205.1	7,900	27.6	232.7	5,100				220
225										9.4	182.8	7,200	23.8	222.2	4,600				225
230													19.4	209.3	4,200				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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	57,000										90
95	64.9	331.6	52,800*	69.2	336.1	52,700										95
100	63.2	329.1	51,000*	67.6	334.1	48,900										100
105	61.5	326.4	49,100*	65.9	331.9	45,500										105
110	59.7	323.6	46,900*	64.3	329.6	42,500	66.9	332.0	38,800							110
115	58.0	320.5	43,800*	62.6	327.0	39,700	65.2	329.7	36,200							115
120	56.2	317.2	41,000*	60.9	324.3	37,200	63.6	327.3	33,800							120
125	54.3	313.7	38,400*	59.1	321.4	34,900	61.9	324.6	31,700							125
130	52.4	309.9	36,100*	57.3	318.2	32,800	60.1	321.8	29,700							130
135	50.5	305.9	34,000*	55.5	314.9	30,900	58.4	318.8	27,900	62.9	323.2	23,000				135
140	48.5	301.6	32,000*	53.7	311.2	29,100	56.6	315.6	26,300	61.2	320.5	21,500				140
145	46.4	296.9	30,200*	51.8	307.4	27,500	54.7	312.1	24,700	59.4	317.6	20,200				145
150	44.3	291.9	28,500*	49.8	303.2	25,900	52.9	308.4	23,300	57.6	314.5	18,900				150
155	42.1	286.5	27,000*	47.8	298.8	24,500	50.9	304.4	21,900	55.8	311.2	17,700				155
160	39.8	280.7	25,500*	45.7	294.0	23,200	49.0	300.1	20,700	54.0	307.6	16,600				160
165	37.3	274.3	24,200*	43.5	288.9	21,900	46.9	295.6	19,500	52.1	303.8	15,600	56.8	308.9	11,700	165
170	34.7	267.3	22,900*	41.3	283.4	20,700	44.8	290.7	18,400	50.1	299.7	14,600	54.9	305.4	10,900	170
175	32.0	259.6	21,700*	38.9	277.3	19,600	42.6	285.3	17,400	48.1	295.3	13,700	53.1	301.7	10,100	175
180	29.0	251.0	20,600*	36.4	270.8	18,600	40.3	279.6	16,400	46.0	290.6	12,900	51.2	297.8	9,300	180
185	25.6	241.2	19,600*	33.8	263.6	17,600	37.9	273.4	15,500	43.9	285.5	12,000	49.2	293.6	8,600	185
190	21.8	229.6	18,600*	30.9	255.5	16,700	35.3	266.5	14,600	41.7	280.1	11,300	47.1	289.0	8,000	190
195	17.2	215.2	17,300*	27.8	246.5	15,800	32.6	259.0	13,800	39.3	274.1	10,500	45.0	284.1	7,300	195
200	10.8	194.6	15,000*	24.4	236.1	14,900	29.7	250.6	13,000	36.9	267.6	9,800	42.8	278.9	6,700	200
205				20.3	223.7	14,100	26.4	241.1	12,300	34.2	260.5	9,200	40.6	273.2	6,100	205
210				15.3	207.8	13,300	22.7	229.9	11,500	31.4	252.7	8,600	38.2	267.0	5,600	210
215				7.3	181.8	12,500	18.3	216.3	10,800	28.4	243.8	8,000	35.6	260.3	5,100	215
220							12.5	197.7	10,200	25.0	233.7	7,400	32.9	252.8	4,600	220
225										21.0	221.7	6,800	30.0	244.5	4,100	225
230										16.2	206.5	6,300				230
235										9.1	183.5	5,700				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
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M-250

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	52,100										95
100	64.6	340.3	47,600*	68.8	344.9	48,300										100
105	63.0	337.8	45,400*	67.2	342.9	44,900										105
110	61.4	335.1	43,300*	65.7	340.6	41,900										110
115	59.8	332.2	41,300*	64.1	338.3	39,100	66.6	340.7	35,500							115
120	58.1	329.2	39,400*	62.5	335.7	36,600	65.0	338.4	33,200							120
125	56.4	325.9	37,500*	60.8	333.0	34,300	63.4	335.9	31,000							125
130	54.6	322.4	35,600*	59.2	330.0	32,200	61.8	333.3	29,100							130
135	52.8	318.7	33,800*	57.5	326.9	30,300	60.1	330.5	27,300							135
140	51.0	314.7	31,800*	55.8	323.6	28,500	58.5	327.5	25,600	62.7	331.9	20,800				140
145	49.1	310.5	30,000*	54.0	320.0	26,900	56.7	324.3	24,100	61.1	329.2	19,500				145
150	47.2	306.0	28,300*	52.2	316.2	25,300	55.0	320.8	22,600	59.4	326.3	18,200				150
155	45.2	301.1	26,700*	50.3	312.1	23,900	53.2	317.2	21,300	57.8	323.2	17,000				155
160	43.1	295.9	25,200*	48.4	307.8	22,600	51.4	313.2	20,100	56.0	319.9	15,900				160
165	41.0	290.3	23,800*	46.5	303.1	21,300	49.5	309.1	18,900	54.3	316.3	14,900				165
170	38.7	284.2	22,600*	44.5	298.1	20,200	47.6	304.6	17,800	52.5	312.6	13,900	56.9	317.5	10,100	170
175	36.3	277.6	21,400*	42.4	292.8	19,100	45.6	299.8	16,800	50.7	308.6	13,000	55.2	314.1	9,400	175
180	33.8	270.4	20,200*	40.2	287.0	18,000	43.6	294.7	15,800	48.8	304.3	12,200	53.4	310.5	8,600	180
185	31.1	262.4	19,200*	37.9	280.8	17,000	41.5	289.1	14,900	46.8	299.7	11,400	51.6	306.6	7,900	185
190	28.2	253.5	18,200*	35.5	274.0	16,100	39.2	283.2	14,000	44.8	294.7	10,600	49.8	302.5	7,200	190
195	25.0	243.4	17,200*	32.9	266.5	15,200	36.9	276.7	13,200	42.7	289.5	9,900	47.8	298.0	6,600	195
200	21.3	231.4	16,300*	30.1	258.2	14,400	34.4	269.6	12,400	40.6	283.8	9,200	45.9	293.3	6,000	200
205	16.8	216.6	15,100*	27.1	248.9	13,600	31.8	261.9	11,700	38.3	277.6	8,600	43.8	288.2	5,500	205
210	10.6	195.5	13,000*	23.7	238.2	12,800	28.9	253.2	11,000	35.9	270.9	7,900	41.7	282.7	4,900	210
215				19.8	225.5	12,100	25.7	243.3	10,300	33.3	263.5	7,300	39.5	276.8	4,400	215
220				14.9	209.1	11,400	22.1	231.9	9,600	30.6	255.4	6,800				220
225				7.1	182.4	10,600	17.9	217.8	9,000	27.6	246.3	6,200				225
230							12.2	198.7	8,400	24.3	235.9	5,700				230
235										20.5	223.5	5,200				235
240										15.8	207.9	4,700				240
245										8.9	184.3	4,100				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	118,000b																60
65	43.7	217.5	99,800*	58.8	228.1	106,300b	66.6	231.3	101,500b													65
70	37.2	211.4	89,900*	53.8	224.6	96,700b	62.0	228.8	92,300b													70
75	29.6	203.6	81,600*	48.4	220.4	88,500	57.2	225.7	84,500b													75
80	19.3	192.0	74,600*	42.6	215.3	81,500	52.1	222.0	77,800b													80
85				36.0	209.0	75,500	46.6	217.6	72,100	60.9	224.9	66,300b										85
90				28.0	200.6	70,100	40.6	212.1	67,000	56.0	221.7	61,700b										90
95				16.7	187.8	65,400	33.6	205.2	62,500	50.8	217.8	57,600										95
100							24.9	195.9	58,500	45.2	213.2	53,900										100
105							10.7	179.3	54,800	39.0	207.4	50,600	54.4	216.2	46,200b							105
110										31.7	200.1	47,600	49.2	212.1	43,500							110
115										22.4	189.8	44,900	43.4	207.2	41,100							115
120													36.9	201.0	38,800	52.4	209.2	35,200				120
125													29.2	193.0	36,700	47.0	204.8	33,300				125
130													18.6	181.1	34,800	40.9	199.4	31,600				130
135																34.0	192.6	29,900				135
140																25.5	183.5	28,400	44.0	195.6	25,500	140
145																12.1	167.9	26,900	37.6	189.6	24,300	145
150																			30.1	181.8	23,100	150
155																			20.0	170.6	21,900	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	117,500b																60
65	50.9	231.3	100,300*	63.1	239.6	105,900b																65
70	46.0	226.8	90,300*	58.9	236.7	96,300b	65.8	240.0	91,800b													70
75	40.7	221.3	82,000*	54.6	233.3	88,100	61.7	237.4	84,000b													75
80	34.7	214.6	74,900*	50.0	229.3	81,200	57.6	234.4	77,400													80
85	27.6	206.0	68,900*	45.1	224.6	75,100	53.1	230.8	71,600													85
90	17.9	193.5	63,600*	39.7	219.0	69,900	48.5	226.6	66,600	60.7	233.5	61,100b										90
95				33.5	212.0	65,200	43.4	221.6	62,100	56.5	230.4	57,000										95
100				26.1	202.9	61,000	37.8	215.6	58,200	52.0	226.7	53,400										100
105				15.6	189.1	57,200	31.3	208.0	54,600	47.3	222.3	50,100										105
110							23.3	198.0	51,400	42.1	217.1	47,200	55.2	224.9	42,900							110
115							10.0	180.2	48,400	36.3	210.7	44,500	50.6	221.0	40,500							115
120										29.6	202.7	42,100	45.7	216.4	38,300							120
125										20.9	191.7	39,800	40.4	210.9	36,200							125
130													34.4	204.1	34,400	48.7	213.8	31,000				130
135													27.2	195.4	32,600	43.7	208.8	29,400				135
140													17.3	182.6	30,900	38.1	202.9	27,900				140
145																31.7	195.5	26,600	46.3	204.8	23,700	145
150																23.8	185.6	25,300	41.0	199.4	22,500	150
155																11.2	168.8	24,000	35.1	192.8	21,400	155
160																			28.0	184.3	20,400	160
165																			18.6	172.2	19,400	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	117,100b																60
65	55.9	243.9	100,700*	66.3	250.8	105,500b																65
70	51.9	240.2	90,600*	62.7	248.3	95,900																70
75	47.7	235.8	82,200*	59.0	245.4	87,800	65.1	248.7	83,600b													75
80	43.2	230.8	75,100*	55.2	242.1	80,800	61.5	246.1	76,900													80
85	38.2	224.8	69,000*	51.2	238.2	74,800	57.8	243.1	71,200													85
90	32.6	217.5	63,800*	46.9	233.7	69,600	53.9	239.6	66,200													90
95	25.9	208.3	59,100*	42.3	228.5	64,900	49.9	235.5	61,800	60.7	242.2	56,500										95
100	16.9	195.0	55,000*	37.3	222.4	60,800	45.5	230.8	57,800	56.9	239.1	52,900										100
105				31.5	214.8	57,100	40.8	225.3	54,300	53.0	235.5	49,700										105
110				24.5	205.1	53,700	35.5	218.8	51,100	48.8	231.3	46,800										110
115				14.6	190.4	50,700	29.4	210.7	48,300	44.4	226.4	44,100	55.7	233.7	40,000							115
120							21.9	199.9	45,600	39.5	220.7	41,700	51.7	229.9	37,800							120
125							9.4	180.9	43,100	34.1	213.8	39,500	47.5	225.5	35,800							125
130										27.8	205.2	37,500	43.0	220.4	33,900							130
135										19.6	193.4	35,600	38.0	214.4	32,200	50.1	222.7	28,900				135
140													32.3	207.0	30,600	45.8	218.1	27,500				140
145													25.6	197.7	29,100	41.0	212.6	26,100				145
150													16.3	184.0	27,700	35.8	206.1	24,900				150
155																29.8	198.1	23,700	48.0	213.8	22,000	155
160																22.4	187.5	22,600	43.5	208.8	21,000	160
165																10.5	169.7	21,500	38.5	202.9	20,000	165
170																			33.0	195.7	19,000	170
175																			26.4	186.6	18,100	175
																			17.5	173.7	17,300	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	72.4	265.0	122,100*																			45
50	69.3	263.2	116,000*																			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	94,900b																65
70	56.3	252.6	90,600*	65.7	259.5	85,900																70
75	52.8	249.0	82,200*	62.4	256.9	78,300	67.8	259.6	72,700b													75
80	49.1	244.8	75,000*	59.1	254.1	71,900	64.6	257.4	66,700													80
85	45.1	240.0	68,900*	55.7	250.8	66,300	61.4	254.7	61,400													85
90	40.8	234.5	63,600*	52.1	247.0	61,400	58.1	251.7	56,900													90
95	36.2	228.1	59,000*	48.4	242.8	57,100	54.6	248.3	52,800													95
100	30.9	220.3	54,900*	44.4	237.9	53,200	50.9	244.4	49,200	60.6	250.9	42,600										100
105	24.5	210.5	51,200*	40.0	232.2	49,800	47.1	239.9	46,000	57.2	247.8	39,700										105
110	16.0	196.3	47,900*	35.3	225.6	46,700	43.0	234.8	43,100	53.7	244.2	37,200										110
115				29.8	217.5	43,800	38.5	228.9	40,500	50.0	240.2	34,900										115
120				23.2	207.1	41,200	33.6	221.8	38,100	46.1	235.6	32,700	56.2	242.4	27,400							120
125				13.8	191.6	38,800	27.9	213.1	35,800	42.0	230.3	30,800	52.6	238.7	25,800							125
130							20.7	201.7	33,800	37.4	224.1	29,000	48.9	234.5	24,200							130
135							8.8	181.6	31,800	32.3	216.7	27,300	44.9	229.7	22,800							135
140										26.3	207.5	25,800	40.6	224.1	21,400	51.2	231.6	17,100				140
145										18.5	195.0	24,300	35.9	217.6	20,200	47.3	227.1	16,000				145
150													30.6	209.8	19,000	43.3	222.1	15,000				150
155													24.2	199.8	17,900	38.8	216.2	14,100				155
160													15.4	185.3	16,800	33.9	209.2	13,200	45.3	218.1	9,700	160
165																28.2	200.6	12,400	41.1	212.6	9,000	165
170																21.2	189.4	11,600	36.4	206.2	8,300	170
175																9.9	170.5	10,700	31.2	198.5	7,700	175
180																			24.9	188.8	7,000	180
185																			16.6	175.1	6,400	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.0	275.5	116,500*																			45
50	71.3	273.9	111,000*																			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	94,200b																65
70	59.8	264.5	92,400*	68.0	270.4	85,300																70
75	56.7	261.3	84,600*	65.1	268.2	77,700																75
80	53.5	257.7	77,200*	62.2	265.6	71,200	67.1	268.4	66,000													80
85	50.1	253.7	70,900*	59.2	262.7	65,700	64.2	266.0	60,800													85
90	46.6	249.2	65,400*	56.1	259.5	60,800	61.3	263.4	56,200													90
95	42.9	244.0	60,600*	52.9	255.8	56,500	58.2	260.4	52,200													95
100	38.8	238.1	56,400*	49.5	251.7	52,600	55.1	257.0	48,600													100
105	34.4	231.2	52,600*	46.0	247.1	49,200	51.8	253.2	45,400	60.5	259.5	39,000										105
110	29.4	222.9	49,200*	42.2	241.8	46,100	48.4	248.9	42,500	57.5	256.4	36,500										110
115	23.3	212.5	46,200*	38.1	235.7	43,300	44.8	244.1	39,900	54.3	253.0	34,200										115
120	15.2	197.6	42,700*	33.5	228.6	40,800	40.9	238.6	37,500	51.0	249.1	32,100										120
125				28.4	220.0	38,400	36.7	232.2	35,300	47.5	244.7	30,200	56.5	251.1	25,000							125
130				22.1	209.1	36,200	32.0	224.7	33,300	43.9	239.7	28,400	53.3	247.5	23,500							130
135				13.2	192.7	34,200	26.5	215.5	31,400	39.9	233.9	26,700	50.0	243.4	22,100							135
140							19.7	203.4	29,700	35.6	227.3	25,200	46.4	238.8	20,800							140
145							8.4	182.3	28,000	30.7	219.5	23,800	42.7	233.6	19,500	52.0	240.4	15,300				145
150										25.0	209.7	22,500	38.6	227.7	18,400	48.6	236.1	14,300				150
155										17.6	196.5	21,200	34.2	220.7	17,300	45.0	231.3	13,400				155
160													29.1	212.4	16,300	41.1	225.8	12,600				160
165													23.0	201.8	15,300	36.9	219.5	11,800	46.8	227.2	8,200	165
170													14.6	186.6	14,400	32.2	212.1	11,000	43.1	222.0	7,600	170
175																26.9	203.0	10,200	39.1	216.2	7,000	175
180																20.1	191.1	9,500	34.7	209.3	6,400	180
185																9.4	171.3	8,800	29.7	201.2	5,800	185
190																			23.7	190.9	5,300	190
195																			15.8	176.5	4,700	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	84,600																70
75	59.8	273.2	84,300*	67.4	279.1	77,100																75
80	57.0	270.0	76,900*	64.7	276.8	70,600																80
85	54.0	266.5	70,500*	62.0	274.3	65,000	66.5	277.1	60,000													85
90	51.0	262.6	65,000*	59.3	271.4	60,200	63.9	274.7	55,500													90
95	47.8	258.2	60,200*	56.4	268.2	55,900	61.2	272.1	51,500													95
100	44.5	253.3	56,000*	53.5	264.6	52,000	58.4	269.1	47,900													100
105	40.9	247.8	52,200*	50.5	260.6	48,600	55.5	265.7	44,700													105
110	37.1	241.4	48,800*	47.3	256.1	45,600	52.5	262.0	41,900	60.5	268.2	35,700										110
115	32.9	234.1	45,800*	43.9	251.1	42,800	49.4	257.9	39,300	57.7	265.1	33,400										115
120	28.1	225.4	43,000*	40.3	245.5	40,200	46.2	253.3	36,900	54.8	261.7	31,300										120
125	22.3	214.5	40,500*	36.4	239.0	37,900	42.7	248.0	34,700	51.8	257.9	29,400										125
130	14.5	198.9	37,600*	32.0	231.5	35,800	39.0	242.1	32,700	48.7	253.6	27,700	56.8	259.7	22,700							130
135				27.1	222.4	33,800	35.0	235.4	30,900	45.4	248.9	26,100	53.9	256.2	21,300							135
140				21.1	210.9	31,900	30.5	227.4	29,200	41.9	243.5	24,600	50.9	252.3	20,000							140
145				12.6	193.7	30,200	25.3	217.7	27,600	38.1	237.4	23,200	47.7	247.9	18,800							145
150							18.8	205.0	26,100	34.0	230.4	21,900	44.3	242.9	17,600	52.7	249.2	13,500				150
155							8.0	183.0	24,600	29.4	222.1	20,700	40.7	237.4	16,600	49.6	245.1	12,600				155
160										23.9	211.9	19,500	36.9	231.0	15,600	46.4	240.5	11,800				160
165										16.9	197.9	18,400	32.6	223.6	14,700	42.9	235.3	11,000				165
170													27.8	214.8	13,800	39.3	229.4	10,200	48.0	236.2	6,700	170
175													22.0	203.7	12,900	35.3	222.7	9,500	44.7	231.3	6,200	175
180													14.0	187.8	12,100	30.8	214.9	8,800	41.1	225.8	5,600	180
185																25.7	205.3	8,200	37.3	219.6	5,100	185
190																19.2	192.8	7,500	33.1	212.3	4,600	190
195																9.0	172.0	6,900	28.4	203.7	4,100	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	76,700													75
80	59.8	281.8	76,800*	66.8	287.9	70,200													80
85	57.2	278.7	70,400*	64.4	285.5	64,700													85
90	54.5	275.2	64,900*	61.9	282.9	59,800	66.0	285.8	55,100										90
95	51.7	271.4	60,100*	59.3	280.1	55,500	63.6	283.4	51,100										95
100	48.9	267.2	55,800*	56.7	276.9	51,700	61.1	280.7	47,600										100
105	45.8	262.5	52,100*	54.0	273.3	48,300	58.5	277.7	44,400										105
110	42.6	257.2	48,700*	51.2	269.4	45,300	55.9	274.4	41,500	63.0	279.6	35,300							110
115	39.2	251.3	45,700*	48.3	265.1	42,500	53.1	270.8	38,900	60.5	276.8	33,000							115
120	35.6	244.7	42,900*	45.3	260.3	40,000	50.3	266.8	36,600	57.9	273.8	31,000							120
125	31.5	237.0	40,400*	42.0	255.0	37,700	47.4	262.3	34,400	55.2	270.4	29,100							125
130	26.9	227.8	38,100*	38.6	249.0	35,500	44.3	257.4	32,500	52.5	266.7	27,300							130
135	21.4	216.3	36,000*	34.9	242.1	33,600	41.0	251.8	30,600	49.6	262.6	25,700	57.1	268.4	20,900				135
140	13.9	200.1	33,400*	30.7	234.2	31,800	37.4	245.6	29,000	46.6	258.0	24,300	54.4	264.9	19,600				140
145				26.0	224.7	30,100	33.6	238.4	27,400	43.5	252.9	22,900	51.6	261.1	18,400				145
150				20.3	212.7	28,500	29.3	230.0	25,900	40.1	247.2	21,600	48.7	256.8	17,300				150
155				12.1	194.8	27,000	24.3	219.9	24,600	36.5	240.7	20,400	45.7	252.1	16,300				155
160							18.0	206.6	23,200	32.6	233.3	19,300	42.5	246.8	15,300	50.5	253.9	11,400	160
165							7.7	183.6	21,900	28.2	224.6	18,200	39.1	240.9	14,400	47.5	249.5	10,600	165
170										22.9	213.9	17,200	35.4	234.2	13,500	44.4	244.6	9,900	170
175										16.2	199.3	16,200	31.3	226.4	12,700	41.2	239.1	9,200	175
180													26.7	217.2	11,900	37.6	232.9	8,600	180
185													21.1	205.6	11,200	33.8	225.8	7,900	185
190													13.4	188.9	10,400	29.6	217.5	7,300	190
195																24.6	207.5	6,700	195
200																18.5	194.4	6,200	200
205																8.6	172.7	5,600	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	76,000													75
80	62.2	293.3	76,200*	68.5	298.7	69,600													80
85	59.8	290.5	70,000*	66.3	296.6	64,000													85
90	57.4	287.4	64,500*	64.1	294.2	59,200	67.8	296.7	54,400										90
95	54.9	283.9	59,600*	61.7	291.6	54,900	65.6	294.5	50,400										95
100	52.4	280.2	55,400*	59.4	288.7	51,100	63.3	292.1	46,900										100
105	49.7	276.1	51,600*	57.0	285.5	47,700	61.0	289.4	43,700										105
110	47.0	271.5	48,200*	54.5	282.1	44,700	58.6	286.4	40,900										110
115	44.1	266.5	45,200*	51.9	278.3	41,900	56.2	283.1	38,300	62.8	288.3	32,300							115
120	41.0	261.0	42,400*	49.2	274.1	39,400	53.7	279.6	35,900	60.4	285.5	30,200							120
125	37.7	254.8	39,900*	46.4	269.5	37,100	51.1	275.6	33,800	58.0	282.5	28,300							125
130	34.2	247.8	37,700*	43.5	264.4	35,000	48.3	271.3	31,800	55.6	279.1	26,600							130
135	30.3	239.7	35,600*	40.4	258.7	33,100	45.5	266.5	30,000	53.0	275.5	25,000							135
140	25.9	230.1	33,600*	37.1	252.4	31,300	42.5	261.3	28,400	50.4	271.4	23,600	57.3	277.1	18,800				140
145	20.6	218.2	31,800*	33.5	245.2	29,600	39.4	255.4	26,800	47.7	267.0	22,200	54.8	273.7	17,600				145
150	13.4	201.2	29,600*	29.6	236.8	28,000	36.0	248.8	25,400	44.8	262.1	20,900	52.2	269.9	16,500				150
155				25.0	226.9	26,600	32.3	241.3	24,000	41.8	256.7	19,700	49.6	265.8	15,500				155
160				19.5	214.4	25,200	28.2	232.5	22,700	38.6	250.7	18,600	46.8	261.2	14,600				160
165				11.6	195.8	23,800	23.4	221.9	21,500	35.1	243.9	17,600	43.9	256.2	13,700	51.2	262.8	9,800	165
170							17.4	208.1	20,400	31.4	236.1	16,600	40.8	250.6	12,800	48.5	258.5	9,100	170
175							7.4	184.2	19,200	27.1	227.0	15,700	37.6	244.3	12,000	45.7	253.8	8,400	175
180										22.1	215.8	14,800	34.0	237.3	11,300	42.7	248.5	7,800	180
185										15.6	200.7	13,900	30.1	229.1	10,500	39.6	242.7	7,200	185
190													25.7	219.5	9,800	36.2	236.2	6,600	190
195													20.3	207.4	9,200	32.5	228.7	6,000	195
200													12.9	190.0	8,500	28.4	220.0	5,500	200
205																23.7	209.6	5,000	205
210																17.8	196.0	4,500	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	68,900													80
85	62.0	302.0	68,900*	68.0	307.5	63,400													85
90	59.8	299.1	65,500*	65.9	305.3	58,600													90
95	57.6	296.0	60,700*	63.8	302.9	54,300	67.3	305.5	49,700										95
100	55.3	292.7	56,300*	61.6	300.3	50,500	65.2	303.2	46,200										100
105	52.9	289.0	52,500*	59.4	297.4	47,100	63.1	300.7	43,000										105
110	50.5	284.9	49,000*	57.2	294.2	44,100	60.9	298.0	40,200										110
115	47.9	280.6	45,900*	54.9	290.8	41,300	58.7	295.1	37,600										115
120	45.3	275.7	43,000*	52.5	287.0	38,800	56.4	291.8	35,300	62.6	296.9	29,500							120
125	42.5	270.4	40,500*	50.0	283.0	36,500	54.1	288.3	33,200	60.4	294.2	27,700							125
130	39.5	264.6	38,100*	47.4	278.5	34,400	51.7	284.4	31,200	58.2	291.1	25,900							130
135	36.4	258.1	36,000*	44.8	273.6	32,500	49.2	280.2	29,400	55.9	287.8	24,400							135
140	33.0	250.7	34,000*	42.0	268.2	30,700	46.6	275.6	27,800	53.5	284.2	22,900							140
145	29.3	242.3	32,200*	39.0	262.3	29,000	43.9	270.6	26,200	51.1	280.3	21,500	57.5	285.8	16,900				145
150	25.0	232.3	30,500*	35.8	255.6	27,500	41.0	265.0	24,800	48.6	276.0	20,300	55.2	282.4	15,800				150
155	19.9	219.9	28,900*	32.4	248.1	26,100	38.0	258.9	23,400	46.0	271.3	19,100	52.8	278.7	14,800				155
160	12.9	202.3	25,500*	28.5	239.4	24,700	34.7	252.0	22,200	43.2	266.1	18,000	50.3	274.6	13,900				160
165				24.1	229.1	23,400	31.2	244.1	21,000	40.3	260.4	17,000	47.8	270.2	13,000				165
170				18.8	216.0	22,200	27.2	235.0	19,900	37.2	254.1	16,000	45.1	265.4	12,200	51.8	271.6	8,400	170
175				11.2	196.7	21,000	22.6	223.9	18,800	33.9	247.0	15,100	42.3	260.1	11,400	49.3	267.4	7,700	175
180							16.7	209.5	17,800	30.3	238.8	14,200	39.4	254.2	10,600	46.7	262.9	7,100	180
185							7.1	184.8	16,800	26.1	229.3	13,400	36.2	247.6	9,900	44.0	257.8	6,500	185
190										21.3	217.7	12,600	32.8	240.2	9,200	41.2	252.3	5,900	190
195										15.0	202.0	11,800	29.1	231.7	8,600	38.2	246.2	5,400	195
200													24.8	221.7	8,000	34.9	239.3	4,900	200
205													19.6	209.1	7,400	31.4	231.5	4,400	205
210													12.4	191.1	6,800				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	62,800													85
90	61.9	310.6	62,400*	67.5	316.2	57,900													90
95	59.8	307.8	59,500*	65.5	314.0	53,700													95
100	57.7	304.7	55,800*	63.6	311.6	49,900	66.9	314.2	45,500										100
105	55.6	301.4	51,900*	61.5	308.9	46,500	64.9	311.9	42,400										105
110	53.4	297.7	48,400*	59.5	306.0	43,500	62.9	309.4	39,500										110
115	51.1	293.8	45,300*	57.4	302.9	40,700	60.9	306.7	37,000										115
120	48.7	289.5	42,500*	55.2	299.5	38,200	58.8	303.7	34,600										120
125	46.3	284.9	39,900*	53.0	295.8	35,900	56.7	300.5	32,500	62.4	305.6	26,900							125
130	43.7	279.8	37,600*	50.7	291.8	33,800	54.5	297.0	30,600	60.4	302.8	25,200							130
135	41.1	274.2	35,500*	48.3	287.5	31,900	52.2	293.2	28,800	58.3	299.8	23,600							135
140	38.2	268.1	33,500*	45.8	282.8	30,100	49.9	289.1	27,100	56.1	296.5	22,200							140
145	35.2	261.3	31,700*	43.3	277.6	28,500	47.5	284.7	25,600	53.9	293.0	20,800							145
150	31.9	253.6	30,000*	40.6	271.9	26,900	45.0	279.8	24,200	51.7	289.1	19,600	57.6	294.5	15,100				150
155	28.3	244.8	28,400*	37.7	265.7	25,500	42.4	274.5	22,800	49.3	284.9	18,400	55.5	291.1	14,100				155
160	24.2	234.4	27,000*	34.6	258.7	24,200	39.7	268.7	21,600	46.9	280.4	17,300	53.3	287.5	13,100				160
165	19.2	221.6	25,500*	31.3	250.9	22,900	36.7	262.2	20,400	44.4	275.4	16,300	51.0	283.5	12,200				165
170	12.5	203.4	22,500*	27.6	241.8	21,700	33.6	255.0	19,300	41.8	270.0	15,300	48.6	279.2	11,400				170
175				23.4	231.1	20,600	30.1	246.8	18,300	39.0	264.0	14,400	46.2	274.5	10,600	52.4	280.4	6,900	175
180				18.2	217.6	19,500	26.3	237.3	17,300	36.0	257.4	13,600	43.6	269.4	9,900	50.1	276.3	6,300	180
185				10.8	197.6	18,500	21.8	225.8	16,400	32.8	249.9	12,800	40.9	263.8	9,200	47.7	271.9	5,700	185
190							16.2	210.9	15,400	29.3	241.5	12,000	38.1	257.7	8,500	45.2	267.0	5,200	190
195							6.8	185.4	14,500	25.3	231.6	11,300	35.0	250.8	7,900	42.6	261.8	4,600	195
200										20.6	219.5	10,500	31.7	243.1	7,300	39.8	256.0	4,100	200
205										14.5	203.2	9,800	28.1	234.2	6,700				205
210													23.9	223.8	6,200				210
215													18.9	210.7	5,600				215
220													12.0	192.1	5,100				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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	62,300													85
90	63.7	321.9	59,300*	68.9	327.0	57,500													90
95	61.8	319.3	56,800*	67.1	325.0	53,200													95
100	59.8	316.5	54,300*	65.2	322.7	49,500													100
105	57.9	313.4	51,600*	63.4	320.2	46,100	66.5	322.9	41,900										105
110	55.8	310.1	48,100*	61.4	317.6	43,100	64.6	320.6	39,100										110
115	53.8	306.5	45,000*	59.5	314.7	40,300	62.7	318.1	36,600										115
120	51.6	302.6	42,200*	57.5	311.6	37,800	60.8	315.4	34,200										120
125	49.4	298.4	39,600*	55.5	308.2	35,500	58.9	312.4	32,100										125
130	47.2	293.9	37,300*	53.4	304.6	33,500	56.9	309.2	30,200	62.3	314.3	24,800							130
135	44.8	289.0	35,100*	51.3	300.7	31,500	54.8	305.8	28,400	60.4	311.5	23,200							135
140	42.4	283.7	33,200*	49.0	296.4	29,800	52.7	302.0	26,800	58.4	308.5	21,800							140
145	39.8	277.8	31,400*	46.8	291.8	28,100	50.6	298.0	25,200	56.4	305.2	20,400							145
150	37.0	271.4	29,700*	44.4	286.9	26,600	48.3	293.7	23,800	54.3	301.7	19,200							150
155	34.1	264.3	28,100*	41.9	281.4	25,200	46.0	289.0	22,500	52.2	297.9	18,000	57.8	303.1	13,600				155
160	30.9	256.4	26,700*	39.3	275.5	23,800	43.6	283.8	21,200	50.0	293.8	16,900	55.7	299.8	12,700				160
165	27.4	247.2	25,300*	36.5	269.0	22,600	41.1	278.3	20,100	47.8	289.4	15,900	53.7	296.2	11,800				165
170	23.4	236.5	24,000*	33.5	261.7	21,400	38.4	272.2	19,000	45.4	284.6	15,000	51.5	292.3	11,000				170
175	18.6	223.2	22,700*	30.3	253.6	20,300	35.6	265.4	18,000	43.0	279.4	14,100	49.3	288.1	10,300				175
180	12.1	204.4	20,000*	26.7	244.2	19,300	32.5	257.9	17,000	40.4	273.7	13,200	47.1	283.6	9,500	52.8	289.2	5,900	180
185				22.6	233.1	18,300	29.2	249.4	16,100	37.7	267.4	12,400	44.7	278.7	8,800	50.7	285.2	5,300	185
190				17.6	219.1	17,300	25.5	239.5	15,200	34.9	260.5	11,700	42.2	273.3	8,200	48.5	280.9	4,800	190
195				10.5	198.5	16,400	21.2	227.7	14,400	31.8	252.8	11,000	39.6	267.4	7,600	46.1	276.2	4,300	195
200							15.7	212.3	13,500	28.4	244.0	10,300	36.9	261.0	7,000				200
205							6.6	185.9	12,700	24.5	233.7	9,600	33.9	253.9	6,400				205
210										20.0	221.2	9,000	30.8	245.8	5,900				210
215										14.1	204.4	8,300	27.2	236.6	5,400				215
220													23.2	225.8	4,900				220
225													18.4	212.3	4,400				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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	56,900										90
95	63.5	330.6	53,900*	68.4	335.8	52,600										95
100	61.7	328.0	51,800*	66.7	333.7	48,800										100
105	59.9	325.1	49,600*	64.9	331.4	45,500	67.9	333.8	41,300							105
110	58.0	322.1	47,400*	63.2	328.9	42,400	66.1	331.6	38,400							110
115	56.1	318.8	44,500*	61.4	326.2	39,700	64.4	329.3	35,900							115
120	54.1	315.2	41,700*	59.5	323.4	37,200	62.6	326.8	33,600							120
125	52.1	311.4	39,100*	57.7	320.3	34,900	60.8	324.0	31,500							125
130	50.1	307.3	36,800*	55.7	316.9	32,900	58.9	321.1	29,500							130
135	48.0	302.9	34,600*	53.8	313.3	31,000	57.0	317.9	27,800	62.2	322.9	22,500				135
140	45.8	298.2	32,600*	51.8	309.5	29,200	55.1	314.5	26,100	60.3	320.1	21,000				140
145	43.5	293.0	30,800*	49.7	305.3	27,500	53.1	310.8	24,600	58.5	317.1	19,700				145
150	41.1	287.4	29,100*	47.6	300.9	26,000	51.1	306.9	23,200	56.6	313.9	18,500				150
155	38.6	281.4	27,600*	45.4	296.0	24,600	49.0	302.6	21,900	54.6	310.4	17,300				155
160	35.9	274.7	26,100*	43.1	290.8	23,300	46.9	298.0	20,600	52.7	306.7	16,300	57.9	311.8	11,900	160
165	33.1	267.3	24,800*	40.7	285.2	22,000	44.6	293.1	19,500	50.6	302.7	15,200	56.0	308.5	11,100	165
170	30.0	259.0	23,500*	38.1	279.0	20,900	42.3	287.7	18,400	48.5	298.4	14,300	54.0	304.9	10,300	170
175	26.6	249.6	22,300*	35.4	272.2	19,800	39.9	281.9	17,400	46.3	293.7	13,400	52.0	301.1	9,500	175
180	22.7	238.5	21,200*	32.6	264.7	18,700	37.3	275.5	16,400	44.1	288.7	12,600	50.0	297.0	8,800	180
185	18.1	224.8	20,000*	29.4	256.2	17,800	34.5	268.5	15,500	41.7	283.2	11,800	47.8	292.6	8,100	185
190	11.7	205.4	17,500*	26.0	246.5	16,800	31.6	260.7	14,600	39.2	277.3	11,000	45.6	287.8	7,500	190
195				22.0	235.0	15,900	28.4	251.9	13,800	36.6	270.7	10,300	43.4	282.7	6,900	195
200				17.1	220.6	15,100	24.7	241.7	13,000	33.8	263.6	9,600	41.0	277.1	6,300	200
205				10.2	199.4	14,200	20.5	229.5	12,300	30.8	255.5	9,000	38.5	271.0	5,700	205
210							15.2	213.6	11,500	27.5	246.4	8,400	35.8	264.2	5,200	210
215							6.4	186.4	10,800	23.8	235.8	7,800	32.9	256.8	4,700	215
220										19.4	222.9	7,200	29.9	248.5	4,200	220
225										13.7	205.6	6,600				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	52,000										95
100	63.3	339.3	49,000*	68.0	344.6	48,300										100
105	61.6	336.6	47,200*	66.3	342.4	44,900										105
110	59.9	333.8	45,400*	64.7	340.1	41,900	67.5	342.6	37,800							110
115	58.1	330.7	43,500*	63.0	337.6	39,100	65.8	340.4	35,300							115
120	56.3	327.5	41,700*	61.3	334.9	36,700	64.1	338.0	33,000							120
125	54.5	324.0	39,100*	59.5	332.0	34,400	62.5	335.4	30,900							125
130	52.6	320.2	36,700*	57.8	328.9	32,300	60.7	332.7	28,900							130
135	50.6	316.2	34,500*	56.0	325.6	30,400	59.0	329.7	27,200							135
140	48.6	311.9	32,500*	54.1	322.1	28,600	57.2	326.6	25,500	62.0	331.6	20,400				140
145	46.6	307.3	30,700*	52.2	318.3	27,000	55.4	323.2	24,000	60.3	328.8	19,100				145
150	44.5	302.3	28,900*	50.3	314.2	25,500	53.5	319.6	22,600	58.6	325.8	17,800				150
155	42.3	296.9	27,400*	48.3	309.8	24,100	51.6	315.7	21,300	56.8	322.6	16,700				155
160	39.9	291.1	25,900*	46.2	305.2	22,800	49.6	311.5	20,100	54.9	319.1	15,600				160
165	37.5	284.8	24,500*	44.1	300.1	21,500	47.6	307.0	18,900	53.1	315.5	14,600	58.0	320.5	10,400	165
170	34.9	277.8	23,200*	41.8	294.7	20,400	45.5	302.3	17,800	51.1	311.5	13,700	56.2	317.2	9,600	170
175	32.2	270.2	22,000*	39.5	288.8	19,300	43.4	297.1	16,800	49.2	307.3	12,800	54.4	313.7	8,900	175
180	29.2	261.6	20,900*	37.1	282.3	18,200	41.1	291.5	15,900	47.1	302.7	12,000	52.5	309.9	8,200	180
185	25.9	251.9	19,800*	34.5	275.3	17,300	38.7	285.4	15,000	45.0	297.9	11,200	50.5	305.9	7,500	185
190	22.1	240.4	18,800*	31.7	267.5	16,300	36.2	278.8	14,100	42.8	292.6	10,500	48.5	301.6	6,800	190
195	17.6	226.3	17,600*	28.6	258.8	15,500	33.6	271.6	13,300	40.5	286.9	9,700	46.5	296.9	6,200	195
200	11.4	206.4	15,400*	25.2	248.7	14,600	30.7	263.5	12,500	38.1	280.7	9,100	44.4	291.9	5,700	200
205				21.4	236.9	13,800	27.6	254.4	11,800	35.6	274.0	8,400	42.1	286.5	5,100	205
210				16.7	222.1	13,000	24.1	243.9	11,100	32.9	266.5	7,800	39.8	280.7	4,600	210
215				9.9	200.2	12,300	20.0	231.2	10,400	30.0	258.2	7,200	37.4	274.3	4,100	215
220							14.8	214.9	9,700	26.8	248.8	6,700				220
225							6.2	186.9	9,000	23.1	237.9	6,100				225
230										18.9	224.6	5,600				230
235										13.3	206.8	5,100				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
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M-250

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	51,400										95
100	64.7	350.4	46,200*	69.1	355.3	47,600										100
105	63.1	348.0	44,700*	67.6	353.3	44,300										105
110	61.5	345.3	43,100*	66.0	351.1	41,200										110
115	59.9	342.4	41,400*	64.5	348.8	38,500	67.1	351.3	34,600							115
120	58.2	339.4	39,500*	62.9	346.3	36,000	65.5	349.1	32,300							120
125	56.5	336.1	37,700*	61.2	343.6	33,800	63.9	346.7	30,200							125
130	54.7	332.7	35,800*	59.6	340.7	31,700	62.3	344.1	28,300							130
135	53.0	329.0	34,000*	57.9	337.6	29,800	60.7	341.3	26,500							135
140	51.1	325.0	32,000*	56.2	334.3	28,000	59.0	338.4	24,900							140
145	49.3	320.8	30,100*	54.4	330.8	26,400	57.3	335.2	23,400	61.9	340.3	18,400				145
150	47.3	316.3	28,400*	52.6	327.1	24,900	55.6	331.9	22,000	60.3	337.5	17,100				150
155	45.3	311.5	26,800*	50.8	323.1	23,500	53.9	328.3	20,700	58.6	334.5	16,000				155
160	43.3	306.3	25,300*	48.9	318.8	22,200	52.1	324.5	19,400	56.9	331.3	14,900				160
165	41.1	300.7	23,900*	47.0	314.2	20,900	50.2	320.4	18,300	55.2	327.9	13,900				165
170	38.9	294.6	22,600*	45.0	309.3	19,800	48.3	316.0	17,200	53.4	324.2	13,000				170
175	36.5	288.1	21,400*	42.9	304.1	18,700	46.3	311.4	16,200	51.6	320.3	12,100	56.4	325.9	8,100	175
180	34.0	280.9	20,300*	40.7	298.4	17,700	44.3	306.3	15,300	49.7	316.2	11,300	54.7	322.4	7,400	180
185	31.3	273.0	19,200*	38.5	292.3	16,700	42.2	301.0	14,400	47.8	311.7	10,500	52.9	318.7	6,700	185
190	28.4	264.2	18,200*	36.1	285.6	15,800	40.0	295.2	13,500	45.9	307.0	9,800	51.0	314.7	6,100	190
195	25.2	254.1	17,300*	33.5	278.3	14,900	37.7	288.9	12,700	43.8	301.9	9,100	49.2	310.5	5,500	195
200	21.5	242.3	16,400*	30.8	270.3	14,100	35.3	282.0	11,900	41.7	296.4	8,400	47.2	306.0	4,900	200
205	17.1	227.8	15,300*	27.9	261.2	13,300	32.7	274.5	11,200	39.5	290.5	7,800	45.2	301.1	4,400	205
210	11.1	207.4	13,300*	24.6	250.9	12,500	29.9	266.2	10,500	37.1	284.1	7,200				210
215				20.8	238.8	11,800	26.9	256.8	9,900	34.7	277.1	6,600				215
220				16.2	223.5	11,100	23.4	245.9	9,200	32.0	269.4	6,100				220
225				9.6	201.0	10,400	19.5	232.9	8,600	29.2	260.8	5,500				225
230							14.4	216.1	8,000	26.1	251.1	5,000				230
235							6.1	187.4	7,300	22.5	239.9	4,500				235
240										18.4	226.2	4,000				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	117,100b																60
65	44.1	227.9	100,600*	59.9	238.7	105,500b																65
70	37.7	221.9	90,500*	55.0	235.4	96,000b	63.6	239.5	91,300b													70
75	30.2	214.2	82,200*	49.8	231.4	87,900	58.9	236.7	83,600b													75
80	20.2	203.0	75,100*	44.1	226.6	80,900	53.9	233.2	77,000b													80
85				37.7	220.6	74,900	48.6	229.0	71,300													85
90				30.1	212.8	69,600	42.8	224.0	66,300	58.5	233.1	60,500b										90
95				20.1	201.6	64,900	36.2	217.7	61,800	53.5	229.6	56,500b										95
100							28.2	209.4	57,900	48.2	225.4	52,900										100
105							17.1	196.8	54,300	42.3	220.2	49,700	57.9	228.0	45,000b							105
110										35.7	213.8	46,800	52.8	224.4	42,300b							110
115										27.6	205.3	44,100	47.4	220.1	39,900							115
120										16.0	192.1	41,600	41.4	214.8	37,700							120
125													34.6	208.1	35,700	51.6	217.6	32,000				125
130													26.3	199.3	33,900	46.1	213.1	30,400				130
135													13.6	184.6	32,000	39.9	207.5	28,800				135
140																32.9	200.5	27,400				140
145																24.0	190.8	26,000	44.0	204.2	23,000	145
150																8.0	172.0	24,600	37.6	198.2	21,900	150
155																			30.1	190.5	20,800	155
160																			20.0	179.2	19,800	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	116,600b																60
65	51.2	241.6	101,100*	64.0	250.2	105,100b																65
70	46.3	237.1	91,000*	59.9	247.4	95,500b	67.1	250.6	90,700b													70
75	41.1	231.7	82,500*	55.7	244.1	87,500	63.2	248.2	83,000b													75
80	35.1	225.1	75,400*	51.2	240.3	80,600	59.0	245.3	76,500b													80
85	28.1	216.7	69,300*	46.3	235.8	74,600	54.7	242.0	70,800													85
90	18.8	204.6	64,000*	41.0	230.4	69,300	50.1	238.0	65,800	62.9	244.6	59,900b										90
95				35.1	223.8	64,700	45.2	233.3	61,400	58.7	241.7	55,900b										95
100				28.1	215.3	60,600	39.8	227.6	57,500	54.4	238.3	52,400										100
105				18.7	203.3	56,800	33.7	220.7	54,000	49.8	234.3	49,200										105
110							26.3	211.7	50,800	44.8	229.5	46,300										110
115							15.9	198.1	47,900	39.4	223.8	43,700	53.8	233.2	39,300							115
120										33.2	216.8	41,300	49.1	229.1	37,200							120
125										25.7	207.6	39,000	44.1	224.2	35,200							125
130										14.9	193.4	37,000	38.6	218.3	33,400	52.7	226.4	29,700				130
135													32.3	211.0	31,700	48.0	222.1	28,200				135
140													24.5	201.4	30,100	42.9	217.0	26,800				140
145													12.7	185.7	28,500	37.2	210.9	25,500				145
150																30.6	203.2	24,200	46.3	213.4	21,300	150
155																22.3	192.7	23,100	41.0	208.0	20,300	155
160																7.4	172.6	21,900	35.1	201.4	19,300	160
165																			28.0	193.0	18,400	165
170																			18.6	180.8	17,500	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	105,200b																60
65	56.2	254.2	101,500*	67.1	261.2	94,500b																65
70	52.2	250.4	91,300*	63.6	258.8	85,600b																70
75	48.0	246.1	82,800*	60.0	256.1	78,100	66.4	259.3	72,200b													75
80	43.5	241.1	75,600*	56.2	252.8	71,600	62.8	256.9	66,200b													80
85	38.6	235.2	69,400*	52.2	249.1	66,100	59.1	254.0	61,000													85
90	33.0	228.1	64,100*	48.0	244.8	61,200	55.3	250.7	56,500													90
95	26.4	219.0	59,400*	43.5	239.8	56,900	51.3	246.8	52,500	62.6	253.3	45,100										95
100	17.6	206.2	55,300*	38.6	233.9	53,100	47.0	242.4	48,900	58.9	250.4	42,000										100
105				33.0	226.7	49,700	42.5	237.2	45,700	55.0	247.1	39,200										105
110				26.4	217.7	46,500	37.4	231.1	42,900	51.0	243.2	36,700										110
115				17.6	204.8	43,600	31.7	223.6	40,200	46.7	238.7	34,400										115
120							24.7	213.9	37,800	42.1	233.4	32,300	54.5	241.9	26,800							120
125							15.0	199.4	35,500	37.0	227.2	30,400	50.4	238.0	25,100							125
130										31.2	219.6	28,600	46.1	233.4	23,600							130
135										24.2	209.7	27,000	41.4	228.0	22,200							135
140										14.0	194.6	25,400	36.3	221.6	20,900	49.4	231.1	16,400				140
145													30.3	213.7	19,700	45.1	226.3	15,400				145
150													23.0	203.4	18,500	40.3	220.8	14,400				150
155													11.9	186.7	17,300	35.0	214.1	13,500	48.0	222.5	9,600	155
160																28.8	205.8	12,700	43.5	217.5	8,900	160
165																21.0	194.6	11,800	38.5	211.5	8,300	165
170																6.9	173.2	10,900	33.0	204.4	7,600	170
175																			26.4	195.3	7,000	175
180																			17.5	182.4	6,400	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	72.6	275.1	120,500*																			45
50	69.5	273.3	114,800*																			50
55	66.4	271.3	109,300*																			55
60	63.3	268.8	104,400*																			60
65	60.0	266.0	99,700*	69.5	272.0	93,800b																65
70	56.6	262.9	91,200*	66.4	269.9	84,900																70
75	53.0	259.2	82,700*	63.2	267.5	77,400																75
80	49.3	255.1	75,500*	60.0	264.7	71,000	65.7	268.0	65,500													80
85	45.4	250.4	69,300*	56.6	261.5	65,500	62.5	265.5	60,300													85
90	41.1	244.9	64,000*	53.0	257.9	60,600	59.2	262.7	55,800													90
95	36.5	238.5	59,300*	49.3	253.8	56,400	55.8	259.4	51,800													95
100	31.3	230.9	55,100*	45.4	249.1	52,600	52.2	255.7	48,300	62.3	262.0	41,200										100
105	25.0	221.2	51,500*	41.1	243.6	49,200	48.5	251.4	45,100	59.0	259.1	38,400										105
110	16.7	207.6	48,100*	36.5	237.2	46,100	44.5	246.5	42,300	55.6	255.8	35,900										110
115				31.2	229.5	43,300	40.1	240.9	39,700	52.0	252.0	33,700										115
120				25.0	219.9	40,700	35.4	234.3	37,300	48.2	247.7	31,600										120
125				16.6	206.2	38,300	30.0	226.2	35,100	44.2	242.8	29,700	55.1	250.6	24,300							125
130							23.4	216.0	33,100	39.8	237.1	28,000	51.4	246.8	22,800							130
135							14.2	200.6	31,200	35.0	230.4	26,400	47.6	242.4	21,500							135
140										29.5	222.2	24,900	43.6	237.4	20,200							140
145										22.9	211.7	23,400	39.2	231.6	19,000	50.6	240.0	14,500				145
150										13.3	195.7	22,100	34.3	224.7	17,900	46.7	235.5	13,600				150
155													28.7	216.3	16,800	42.6	230.3	12,700				155
160													21.8	205.3	15,800	38.1	224.2	11,900				160
165													11.2	187.6	14,800	33.1	217.1	11,100	45.3	226.7	7,400	165
170																27.2	208.2	10,400	41.1	221.3	6,800	170
175																19.9	196.3	9,600	36.4	214.9	6,200	175
180																6.5	173.7	8,800	31.2	207.2	5,700	180
185																			24.9	197.5	5,100	185
190																			16.6	183.8	4,600	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	84,300																70
75	56.9	271.5	85,200*	65.8	278.7	76,800																75
80	53.7	268.0	77,700*	62.9	276.2	70,400																80
85	50.4	264.0	71,300*	60.0	273.4	64,900	65.2	276.7	59,600													85
90	46.9	259.5	65,800*	56.9	270.2	60,000	62.3	274.2	55,100													90
95	43.1	254.4	60,900*	53.7	266.7	55,800	59.3	271.3	51,200													95
100	39.1	248.5	56,700*	50.4	262.7	52,000	56.2	268.1	47,600													100
105	34.7	241.7	52,900*	46.8	258.2	48,600	53.0	264.4	44,500	62.1	270.6	37,700										105
110	29.7	233.5	49,500*	43.1	253.0	45,500	49.6	260.3	41,700	59.1	267.7	35,200										110
115	23.8	223.3	46,400*	39.1	247.2	42,800	46.0	255.7	39,100	56.0	264.5	33,000										115
120	15.9	209.0	43,400*	34.7	240.3	40,200	42.3	250.4	36,700	52.7	260.8	30,900										120
125				29.7	232.2	37,900	38.2	244.4	34,600	49.4	256.7	29,100										125
130				23.8	222.0	35,800	33.7	237.3	32,600	45.8	252.0	27,300	55.5	259.4	22,100							130
135				15.8	207.6	33,700	28.5	228.8	30,800	42.0	246.7	25,800	52.3	255.6	20,700							135
140							22.3	217.9	29,100	37.9	240.5	24,300	48.9	251.4	19,500							140
145							13.5	201.8	27,400	33.3	233.4	22,900	45.3	246.6	18,300							145
150										28.1	224.7	21,600	41.4	241.2	17,200	51.5	248.8	12,900				150
155										21.8	213.6	20,400	37.3	235.0	16,200	48.0	244.5	12,000				155
160										12.6	196.8	19,200	32.6	227.6	15,200	44.4	239.6	11,200				160
165													27.3	218.7	14,300	40.5	234.0	10,400				165
170													20.7	207.1	13,400	36.2	227.5	9,700	46.8	235.8	6,100	170
175													10.7	188.5	12,500	31.5	219.9	9,000	43.1	230.7	5,500	175
180																25.9	210.5	8,400	39.1	224.8	5,000	180
185																18.9	197.9	7,700	34.7	218.0	4,500	185
190																6.2	174.2	7,000	29.7	209.8	4,000	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	83,600													70
75	60.0	283.4	84,600*	68.0	289.6	76,100													75
80	57.2	280.2	77,300*	65.4	287.4	69,700													80
85	54.3	276.7	70,900*	62.7	284.9	64,200	67.4	287.7	58,900										85
90	51.2	272.8	65,400*	60.0	282.0	59,400	64.8	285.4	54,400										90
95	48.1	268.5	60,500*	57.1	278.9	55,100	62.1	282.9	50,500										95
100	44.7	263.6	56,300*	54.2	275.4	51,400	59.4	280.0	46,900										100
105	41.2	258.2	52,500*	51.2	271.5	48,000	56.5	276.8	43,800										105
110	37.4	251.9	49,100*	48.0	267.2	45,000	53.6	273.2	41,000	61.9	279.3	34,400							110
115	33.2	244.7	46,000*	44.7	262.3	42,200	50.5	269.2	38,400	59.2	276.4	32,200							115
120	28.4	236.1	43,200*	41.2	256.8	39,700	47.3	264.8	36,100	56.3	273.2	30,200							120
125	22.8	225.3	40,700*	37.3	250.6	37,400	44.0	259.8	34,000	53.4	269.6	28,300							125
130	15.2	210.3	38,100*	33.1	243.3	35,300	40.4	254.1	32,000	50.3	265.6	26,600							130
135				28.4	234.7	33,300	36.5	247.7	30,200	47.1	261.1	25,000	55.9	268.1	19,900				135
140				22.7	224.0	31,500	32.2	240.2	28,500	43.7	256.0	23,600	52.9	264.4	18,700				140
145				15.1	208.9	29,800	27.2	231.2	27,000	40.1	250.3	22,200	49.9	260.3	17,500				145
150							21.3	219.8	25,500	36.2	243.8	21,000	46.6	255.8	16,400				150
155							12.9	202.9	24,100	31.8	236.2	19,800	43.2	250.6	15,400	52.2	257.6	11,200	155
160										26.9	227.1	18,700	39.6	244.8	14,500	49.1	253.5	10,400	160
165										20.8	215.5	17,600	35.6	238.2	13,600	45.9	248.8	9,600	165
170										12.0	197.8	16,500	31.2	230.4	12,800	42.4	243.5	8,900	170
175													26.1	221.0	12,000	38.7	237.5	8,300	175
180													19.8	208.9	11,200	34.6	230.7	7,600	180
185													10.2	189.4	10,400	30.1	222.6	7,000	185
190																24.8	212.7	6,400	190
195																18.0	199.5	5,900	195
200																5.9	174.6	5,200	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	75,700													75
80	60.0	292.0	76,400*	67.4	298.3	69,400													80
85	57.4	288.9	70,800*	65.0	296.0	63,800													85
90	54.7	285.5	65,300*	62.5	293.5	59,000	66.9	296.4	54,000										90
95	51.9	281.7	60,400*	60.0	290.7	54,800	64.4	294.1	50,100										95
100	49.1	277.5	56,100*	57.4	287.6	51,000	61.9	291.5	46,600										100
105	46.0	272.8	52,300*	54.7	284.2	47,700	59.4	288.7	43,500										105
110	42.9	267.6	48,900*	51.9	280.3	44,600	56.8	285.5	40,600										110
115	39.5	261.8	45,900*	49.0	276.1	41,900	54.1	282.0	38,100	61.8	288.0	31,800							115
120	35.8	255.2	43,100*	46.0	271.5	39,400	51.3	278.1	35,800	59.2	285.1	29,800							120
125	31.8	247.5	40,600*	42.9	266.3	37,100	48.4	273.8	33,700	56.6	281.9	28,000							125
130	27.3	238.5	38,300*	39.5	260.4	35,000	45.4	269.0	31,700	53.9	278.3	26,300							130
135	21.8	227.3	36,200*	35.8	253.8	33,100	42.1	263.7	30,000	51.1	274.4	24,700							135
140	14.5	211.5	33,900*	31.8	246.2	31,300	38.7	257.7	28,300	48.2	270.1	23,300	56.2	276.8	18,300				140
145				27.2	237.1	29,700	35.0	250.8	26,800	45.1	265.3	21,900	53.5	273.2	17,200				145
150				21.8	225.9	28,100	30.8	242.9	25,300	41.9	259.9	20,700	50.7	269.2	16,100				150
155				14.5	210.1	26,600	26.1	233.5	24,000	38.4	253.8	19,500	47.8	264.8	15,100				155
160							20.4	221.6	22,700	34.7	247.0	18,400	44.7	259.9	14,200	52.9	266.4	10,000	160
165							12.3	203.9	21,400	30.5	239.0	17,400	41.4	254.5	13,300	50.0	262.4	9,300	165
170										25.8	229.4	16,400	37.9	248.3	12,500	47.1	257.9	8,600	170
175										20.0	217.2	15,500	34.1	241.3	11,700	43.9	252.8	8,000	175
180										11.5	198.8	14,600	29.9	233.1	11,000	40.6	247.2	7,300	180
185													25.0	223.2	10,200	37.1	240.9	6,800	185
190													19.0	210.5	9,500	33.2	233.6	6,200	190
195													9.8	190.2	8,800	28.8	225.1	5,700	195
200																23.8	214.8	5,100	200
205																17.3	201.0	4,600	205
210																5.7	175.1	4,000	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	68,700													80
85	60.0	300.7	69,100*	66.9	307.0	63,200													85
90	57.6	297.6	64,800*	64.6	304.7	58,400													90
95	55.1	294.2	60,000*	62.3	302.2	54,200	66.4	305.2	49,400										95
100	52.5	290.5	55,700*	60.0	299.4	50,400	64.1	302.8	45,900										100
105	49.9	286.4	51,900*	57.6	296.3	47,100	61.8	300.2	42,800										105
110	47.2	281.9	48,500*	55.1	292.9	44,000	59.4	297.3	40,000										110
115	44.3	276.9	45,400*	52.5	289.1	41,300	57.0	294.2	37,400										115
120	41.2	271.4	42,600*	49.9	285.0	38,800	54.5	290.7	35,100	61.6	296.6	29,000							120
125	38.0	265.2	40,100*	47.1	280.5	36,600	52.0	286.9	33,000	59.3	293.7	27,200							125
130	34.5	258.3	37,800*	44.2	275.6	34,500	49.3	282.7	31,100	56.9	290.6	25,500							130
135	30.6	250.3	35,700*	41.2	270.1	32,600	46.5	278.1	29,300	54.4	287.1	24,000							135
140	26.2	240.8	33,800*	38.0	263.9	30,800	43.6	273.0	27,700	51.8	283.2	22,500							140
145	21.0	229.1	32,000*	34.4	256.9	29,100	40.5	267.4	26,200	49.1	279.0	21,200	56.5	285.5	16,400				145
150	14.0	212.7	30,000*	30.6	248.9	27,600	37.2	261.0	24,700	46.3	274.4	20,000	54.0	281.9	15,300				150
155				26.2	239.5	26,100	33.6	253.9	23,400	43.4	269.3	18,800	51.4	278.0	14,300				155
160				21.0	227.7	24,800	29.7	245.6	22,200	40.3	263.6	17,800	48.7	273.8	13,400				160
165				13.9	211.3	23,500	25.2	235.7	21,000	37.0	257.2	16,800	45.9	269.1	12,600				165
170							19.7	223.3	19,900	33.4	250.0	15,800	43.0	263.9	11,700	50.8	271.2	7,800	170
175							11.9	204.9	18,800	29.4	241.6	14,900	39.8	258.1	11,000	48.1	266.9	7,100	175
180										24.8	231.6	14,000	36.5	251.6	10,300	45.2	262.1	6,500	180
185										19.2	218.9	13,200	32.8	244.2	9,600	42.3	256.7	6,000	185
190										11.1	199.7	12,400	28.8	235.7	8,900	39.1	250.8	5,400	190
195													24.1	225.4	8,300	35.7	244.1	4,900	195
200													18.3	212.1	7,700	31.9	236.5	4,400	200
205													9.4	191.0	7,000				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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	68,000													80
85	62.2	312.2	65,900*	68.5	317.9	62,600													85
90	60.0	309.3	62,700*	66.4	315.8	57,800													90
95	57.7	306.3	59,400*	64.3	313.4	53,500													95
100	55.4	302.9	56,200*	62.2	310.8	49,800	66.0	313.9	45,200										100
105	53.1	299.2	52,700*	60.0	308.0	46,400	63.8	311.5	42,100										105
110	50.6	295.2	49,200*	57.7	304.9	43,400	61.7	308.9	39,300										110
115	48.1	290.9	46,100*	55.4	301.6	40,700	59.5	306.0	36,800										115
120	45.4	286.1	43,200*	53.1	297.9	38,200	57.2	302.8	34,500										120
125	42.7	280.8	40,600*	50.6	293.9	36,000	54.9	299.4	32,400	61.5	305.3	26,500							125
130	39.7	275.0	38,300*	48.1	289.5	33,900	52.5	295.7	30,500	59.3	302.4	24,800							130
135	36.6	268.5	36,100*	45.4	284.8	32,000	50.1	291.6	28,700	57.1	299.2	23,300							135
140	33.2	261.3	34,200*	42.7	279.5	30,200	47.5	287.1	27,100	54.7	295.8	21,900							140
145	29.5	252.9	32,300*	39.7	273.7	28,600	44.8	282.3	25,600	52.4	292.0	20,600							145
150	25.3	243.1	30,600*	36.6	267.2	27,100	42.0	276.9	24,200	49.9	287.9	19,300	56.7	294.1	14,600				150
155	20.3	230.9	29,000*	33.2	259.9	25,600	39.1	270.9	22,800	47.3	283.4	18,200	54.4	290.6	13,600				155
160	13.5	213.9	25,900*	29.5	251.6	24,300	35.9	264.3	21,600	44.6	278.5	17,100	52.0	286.8	12,700				160
165				25.3	241.7	23,000	32.4	256.8	20,400	41.8	273.1	16,100	49.5	282.7	11,900				165
170				20.2	229.5	21,800	28.6	248.1	19,400	38.8	267.1	15,200	47.0	278.1	11,100				170
175				13.5	212.4	20,700	24.3	237.9	18,300	35.7	260.4	14,300	44.3	273.2	10,300	51.4	280.1	6,400	175
180							19.0	224.9	17,300	32.2	252.9	13,500	41.4	267.7	9,600	48.9	275.8	5,800	180
185							11.4	205.9	16,300	28.3	244.1	12,700	38.4	261.6	8,900	46.3	271.2	5,300	185
190										23.9	233.7	11,900	35.2	254.8	8,300	43.6	266.1	4,700	190
195										18.5	220.5	11,100	31.7	247.1	7,700	40.7	260.5	4,200	195
200										10.7	200.6	10,400	27.8	238.1	7,100				200
205													23.2	227.4	6,500				205
210													17.6	213.6	6,000				210
215													9.1	191.7	5,400				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	61,900										85
90	62.0	320.8	59,800*	68.0	326.7	57,100										90
95	60.0	318.0	57,000*	66.0	324.5	52,900										95
100	57.9	314.9	54,200*	64.0	322.1	49,200	67.6	324.8	44,500							100
105	55.7	311.6	51,500*	62.0	319.5	45,800	65.6	322.6	41,400							105
110	53.5	308.0	48,700*	60.0	316.7	42,800	63.6	320.2	38,600							110
115	51.2	304.1	45,500*	57.9	313.6	40,100	61.6	317.5	36,100							115
120	48.9	299.8	42,700*	55.7	310.3	37,600	59.5	314.6	33,800							120
125	46.5	295.2	40,100*	53.5	306.7	35,400	57.4	311.5	31,700							125
130	43.9	290.1	37,800*	51.2	302.8	33,300	55.2	308.1	29,800	61.4	314.0	24,100				130
135	41.2	284.6	35,600*	48.9	298.5	31,400	53.0	304.4	28,100	59.4	311.1	22,500				135
140	38.4	278.5	33,600*	46.4	293.9	29,600	50.7	300.5	26,400	57.3	307.9	21,100				140
145	35.4	271.8	31,800*	43.9	288.8	28,000	48.4	296.1	24,900	55.1	304.5	19,800				145
150	32.1	264.1	30,100*	41.2	283.3	26,500	45.9	291.4	23,500	52.9	300.8	18,600				150
155	28.6	255.4	28,500*	38.4	277.2	25,100	43.3	286.3	22,200	50.6	296.8	17,500	57.0	302.8	12,800	155
160	24.5	245.2	27,100*	35.4	270.4	23,700	40.6	280.6	21,000	48.2	292.4	16,400	54.8	299.4	11,900	160
165	19.6	232.6	25,700*	32.1	262.8	22,500	37.8	274.4	19,800	45.7	287.7	15,400	52.5	295.6	11,100	165
170	13.1	215.0	22,800*	28.5	254.1	21,300	34.7	267.4	18,800	43.1	282.5	14,500	50.2	291.6	10,300	170
175				24.5	243.9	20,200	31.4	259.6	17,700	40.4	276.8	13,600	47.8	287.2	9,600	175
180				19.6	231.2	19,200	27.7	250.6	16,800	37.6	270.5	12,800	45.4	282.4	8,900	180
185				13.0	213.6	18,100	23.5	239.9	15,900	34.5	263.5	12,000	42.8	277.1	8,200	185
190							18.3	226.5	15,000	31.1	255.6	11,300	40.0	271.3	7,600	190
195							11.1	206.8	14,100	27.4	246.6	10,500	37.1	265.0	7,000	195
200										23.1	235.7	9,900	34.0	257.9	6,400	200
205										17.9	222.1	9,200	30.6	249.8	5,800	205
210										10.3	201.5	8,500	26.9	240.5	5,300	210
215													22.5	229.4	4,800	215
220													17.1	215.1	4,300	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	56,700										90
95	61.9	329.5	54,500*	67.5	335.4	52,500										95
100	60.0	326.7	52,100*	65.7	333.2	48,700										100
105	58.0	323.6	49,700*	63.8	330.8	45,400	67.1	333.5	41,000							105
110	56.0	320.3	47,300*	61.9	328.2	42,400	65.3	331.3	38,200							110
115	53.9	316.7	44,900*	60.0	325.3	39,700	63.4	328.8	35,700							115
120	51.8	312.9	42,400*	58.0	322.3	37,200	61.5	326.2	33,400							120
125	49.6	308.7	39,800*	56.0	319.0	35,000	59.5	323.3	31,300							125
130	47.3	304.2	37,400*	53.9	315.4	32,900	57.6	320.2	29,400							130
135	45.0	299.4	35,300*	51.8	311.6	31,000	55.5	316.8	27,700	61.4	322.6	22,100				135
140	42.5	294.1	33,300*	49.6	307.4	29,300	53.5	313.2	26,100	59.4	319.7	20,700				140
145	39.9	288.3	31,500*	47.3	302.9	27,700	51.3	309.3	24,600	57.4	316.6	19,400				145
150	37.2	281.9	29,800*	45.0	298.0	26,100	49.1	305.1	23,200	55.4	313.2	18,200				150
155	34.3	274.8	28,200*	42.5	292.7	24,700	46.8	300.5	21,900	53.3	309.6	17,100				155
160	31.2	266.9	26,800*	39.9	286.9	23,400	44.4	295.5	20,600	51.2	305.6	16,000	57.1	311.5	11,500	160
165	27.7	257.9	25,400*	37.2	280.6	22,200	42.0	290.1	19,500	48.9	301.4	15,100	55.1	308.1	10,700	165
170	23.7	247.3	24,100*	34.3	273.5	21,000	39.4	284.2	18,400	46.7	296.8	14,100	53.0	304.4	9,900	170
175	19.0	234.2	22,900*	31.1	265.6	19,900	36.6	277.7	17,400	44.3	291.8	13,300	50.8	300.4	9,200	175
180	12.7	216.1	20,300*	27.7	256.6	18,900	33.6	270.5	16,500	41.8	286.3	12,400	48.6	296.1	8,500	180
185				23.7	245.9	17,900	30.4	262.3	15,600	39.2	280.4	11,700	46.3	291.5	7,800	185
190				19.0	232.9	17,000	26.8	253.0	14,700	36.4	273.8	10,900	43.9	286.4	7,200	190
195				12.6	214.6	16,000	22.7	241.9	13,900	33.4	266.6	10,200	41.4	280.9	6,600	195
200							17.8	228.1	13,100	30.2	258.3	9,600	38.8	274.9	6,000	200
205							10.7	207.7	12,300	26.6	248.9	8,900	36.0	268.2	5,500	205
210										22.4	237.7	8,300	33.0	260.8	5,000	210
215										17.4	223.6	7,700	29.7	252.5	4,500	215
220										10.0	202.4	7,100	26.0	242.8	4,000	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	56,000										90
95	63.6	340.8	51,700*	68.8	346.2	51,800										95
100	61.8	338.1	49,700*	67.1	344.1	48,100										100
105	60.0	335.3	47,600*	65.4	341.9	44,800										105
110	58.1	332.3	45,500*	63.6	339.5	41,800	66.7	342.3	37,500							110
115	56.2	329.0	43,400*	61.8	336.8	39,100	65.0	340.0	35,000							115
120	54.3	325.5	41,400*	60.0	334.0	36,600	63.2	337.5	32,700							120
125	52.3	321.7	39,300*	58.1	331.0	34,400	61.4	334.8	30,700							125
130	50.2	317.6	36,900*	56.2	327.7	32,300	59.6	332.0	28,800							130
135	48.1	313.2	34,800*	54.3	324.2	30,400	57.7	328.9	27,000							135
140	45.9	308.5	32,800*	52.3	320.4	28,700	55.8	325.5	25,400	61.3	331.3	20,000				140
145	43.6	303.4	30,900*	50.2	316.3	27,100	53.8	322.0	23,900	59.4	328.4	18,700				145
150	41.3	297.8	29,300*	48.1	311.9	25,600	51.8	318.1	22,500	57.6	325.3	17,500				150
155	38.8	291.8	27,700*	45.9	307.2	24,200	49.8	314.0	21,200	55.7	321.9	16,400				155
160	36.1	285.2	26,200*	43.6	302.1	22,900	47.6	309.5	20,000	53.7	318.3	15,300				160
165	33.3	277.8	24,900*	41.2	296.5	21,600	45.4	304.7	18,900	51.7	314.5	14,400	57.3	320.2	9,900	165
170	30.2	269.6	23,600*	38.8	290.5	20,500	43.1	299.5	17,800	49.6	310.3	13,400	55.4	316.8	9,100	170
175	26.9	260.3	22,400*	36.1	283.8	19,400	40.7	293.8	16,800	47.5	305.8	12,600	53.4	313.2	8,400	175
180	23.0	249.3	21,200*	33.3	276.5	18,400	38.2	287.7	15,900	45.3	301.0	11,800	51.4	309.3	7,700	180
185	18.5	235.8	20,200*	30.2	268.3	17,400	35.5	280.9	15,000	43.0	295.7	11,000	49.3	305.1	7,100	185
190	12.3	217.1	17,800*	26.8	258.9	16,500	32.6	273.4	14,100	40.5	290.1	10,300	47.2	300.5	6,500	190
195				23.0	248.0	15,600	29.5	265.0	13,300	38.0	283.8	9,600	44.9	295.6	5,900	195
200				18.4	234.5	14,700	26.1	255.3	12,600	35.3	277.0	8,900	42.6	290.3	5,300	200
205				12.2	215.7	13,900	22.1	243.9	11,800	32.4	269.5	8,300	40.2	284.6	4,800	205
210							17.3	229.6	11,100	29.3	261.0	7,700	37.6	278.3	4,300	210
215							10.4	208.6	10,400	25.8	251.2	7,100				215
220										21.8	239.6	6,600				220
225										16.9	225.0	6,000				225
230										9.7	203.2	5,500				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	51,200										95
100	63.4	349.5	47,100*	68.4	355.0	47,500										100
105	61.7	346.8	45,400*	66.8	352.9	44,200										105
110	60.0	344.0	43,600*	65.1	350.6	41,200	68.0	353.1	36,900							110
115	58.2	340.9	41,800*	63.4	348.1	38,500	66.4	351.0	34,400							115
120	56.4	337.7	40,000*	61.7	345.5	36,100	64.7	348.7	32,100							120
125	54.6	334.2	38,200*	60.0	342.7	33,800	63.0	346.2	30,100							125
130	52.7	330.5	36,500*	58.2	339.6	31,800	61.3	343.5	28,200							130
135	50.8	326.5	34,700*	56.4	336.4	29,900	59.6	340.6	26,400							135
140	48.8	322.2	32,600*	54.6	332.9	28,100	57.8	337.5	24,800	62.9	342.6	19,300				140
145	46.7	317.6	30,800*	52.7	329.2	26,500	56.0	334.2	23,300	61.2	339.9	18,100				145
150	44.6	312.6	29,100*	50.8	325.1	25,000	54.2	330.7	21,900	59.5	337.0	16,900				150
155	42.4	307.3	27,500*	48.8	320.9	23,600	52.3	326.9	20,700	57.7	333.9	15,700				155
160	40.1	301.5	26,000*	46.7	316.3	22,300	50.3	322.8	19,400	55.9	330.6	14,700				160
165	37.7	295.2	24,600*	44.6	311.3	21,100	48.3	318.5	18,300	54.0	327.1	13,700				165
170	35.1	288.3	23,300*	42.4	306.0	19,900	46.3	313.8	17,300	52.1	323.3	12,800	57.4	328.9	8,500	170
175	32.4	280.8	22,100*	40.1	300.2	18,900	44.1	308.8	16,300	50.2	319.2	12,000	55.6	325.5	7,800	175
180	29.4	272.3	20,900*	37.7	293.9	17,800	41.9	303.3	15,300	48.2	314.8	11,200	53.8	321.9	7,100	180
185	26.1	262.6	19,900*	35.1	287.0	16,900	39.6	297.5	14,400	46.1	310.1	10,400	51.9	318.1	6,400	185
190	22.4	251.3	18,800*	32.4	279.4	16,000	37.1	291.0	13,600	44.0	305.0	9,700	49.9	313.9	5,800	190
195	17.9	237.4	17,900*	29.4	270.9	15,100	34.5	284.0	12,800	41.7	299.6	9,000	47.9	309.5	5,300	195
200	11.9	218.2	15,700*	26.1	261.3	14,300	31.7	276.2	12,000	39.4	293.7	8,400	45.8	304.8	4,700	200
205				22.4	249.9	13,500	28.7	267.5	11,300	36.9	287.2	7,700	43.7	299.7	4,200	205
210				17.9	236.0	12,700	25.3	257.5	10,600	34.3	280.1	7,100				210
215				11.9	216.7	12,000	21.5	245.8	10,000	31.5	272.3	6,600				215
220							16.8	231.0	9,300	28.5	263.5	6,000				220
225							10.1	209.5	8,700	25.1	253.4	5,500				225
230										21.2	241.5	5,000				230
235										16.4	226.5	4,500				235
240										9.5	204.0	4,000				240

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

M-250

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	46,900										100
105	63.3	358.1	43,000*	68.0	363.7	43,600										105
110	61.6	355.5	41,500*	66.4	361.6	40,600										110
115	60.0	352.6	39,900*	64.8	359.3	37,900	67.6	361.9	33,700							115
120	58.3	349.6	38,400*	63.2	356.8	35,400	66.1	359.7	31,400							120
125	56.6	346.4	36,800*	61.6	354.2	33,200	64.5	357.4	29,400							125
130	54.9	342.9	35,300*	60.0	351.3	31,200	62.9	354.9	27,500							130
135	53.1	339.2	33,800*	58.3	348.3	29,300	61.3	352.2	25,800							135
140	51.3	335.3	32,100*	56.6	345.1	27,500	59.6	349.3	24,200							140
145	49.4	331.1	30,200*	54.9	341.6	25,900	57.9	346.2	22,700	62.8	351.3	17,300				145
150	47.5	326.6	28,500*	53.1	337.9	24,400	56.2	342.9	21,300	61.2	348.6	16,100				150
155	45.5	321.8	26,900*	51.3	334.0	23,000	54.5	339.4	20,000	59.5	345.7	15,000				155
160	43.4	316.6	25,400*	49.4	329.8	21,700	52.7	335.7	18,800	57.8	342.6	14,000				160
165	41.3	311.1	24,000*	47.5	325.3	20,500	50.8	331.7	17,700	56.1	339.3	13,000				165
170	39.0	305.1	22,700*	45.5	320.5	19,400	49.0	327.4	16,600	54.3	335.8	12,100				170
175	36.7	298.6	21,500*	43.4	315.3	18,300	47.0	322.9	15,600	52.6	332.0	11,300	57.6	337.5	7,000	175
180	34.2	291.4	20,400*	41.3	309.7	17,300	45.0	318.0	14,700	50.7	328.0	10,500	55.9	334.2	6,300	180
185	31.5	283.6	19,300*	39.0	303.7	16,300	42.9	312.7	13,800	48.8	323.7	9,700	54.1	330.7	5,700	185
190	28.6	274.8	18,300*	36.7	297.2	15,400	40.8	307.1	13,000	46.9	319.2	9,000	52.3	326.9	5,100	190
195	25.4	264.9	17,300*	34.2	290.1	14,500	38.5	301.0	12,200	44.9	314.2	8,300	50.5	322.8	4,500	195
200	21.8	253.2	16,400*	31.5	282.2	13,700	36.1	294.3	11,500	42.8	309.0	7,700	48.6	318.5	4,000	200
205	17.5	238.9	15,600*	28.6	273.5	12,900	33.6	287.0	10,700	40.6	303.3	7,100				205
210	11.6	219.1	13,500*	25.4	263.5	12,200	30.9	279.0	10,100	38.4	297.1	6,500				210
215				21.8	251.9	11,500	28.0	270.0	9,400	36.0	290.5	5,900				215
220				17.4	237.5	10,800	24.7	259.7	8,800	33.4	283.1	5,400				220
225				11.6	217.7	10,100	20.9	247.6	8,200	30.7	275.0	4,900				225
230							16.3	232.5	7,600	27.7	266.0	4,400				230
235							9.8	210.3	7,000							235

MANITOWOC ENGINEERING CO.

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

M-250

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	116,300b																60
65	44.5	238.3	101,300*	61.1	249.4	104,800b																65
70	38.2	232.4	91,200*	56.2	246.2	95,300b	65.2	250.3	90,200b													70
75	30.8	224.8	82,700*	51.1	242.4	87,300b	60.6	247.6	82,600b													75
80	21.0	214.0	75,500*	45.5	237.8	80,400	55.7	244.3	76,100b													80
85				39.3	232.1	74,400	50.5	240.4	70,400b													85
90				32.1	224.9	69,200	44.8	235.7	65,500	61.0	244.3	59,300b										90
95				22.9	214.8	64,500	38.6	229.9	61,100	56.2	241.1	55,300b										95
100				3.1	191.3	60,100	31.2	222.4	57,200	51.0	237.3	51,800b										100
105							21.6	211.9	53,700	45.4	232.7	48,600										105
110										39.2	227.0	45,800	56.3	236.3	40,900b							110
115										32.0	219.7	43,200	51.2	232.5	38,600							115
120										22.8	209.6	40,800	45.6	227.9	36,500							120
125													39.4	222.2	34,500							125
130													32.2	215.0	32,700	50.8	226.0	28,900				130
135													23.1	205.0	31,000	45.2	221.3	27,400				135
140													4.1	182.5	29,300	38.9	215.6	26,000				140
145																31.6	208.2	24,800				145
150																22.3	197.9	23,500	44.0	212.9	20,400	150
155																			37.6	206.9	19,400	155
160																			30.1	199.1	18,500	160
165																			20.0	187.9	17,600	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	104,700b																60
65	51.5	251.9	101,900*	65.0	260.7	94,000b																65
70	46.7	247.4	91,600*	61.0	258.0	85,200b																70
75	41.5	242.1	83,100*	56.7	254.9	77,700	64.6	258.9	71,500b													75
80	35.6	235.6	75,900*	52.3	251.2	71,400	60.5	256.2	65,600b													80
85	28.7	227.4	69,700*	47.5	246.9	65,800	56.2	253.0	60,400													85
90	19.6	215.7	64,300*	42.4	241.7	61,000	51.8	249.3	56,000													90
95				36.6	235.4	56,700	47.0	244.8	52,000	60.9	253.0	44,200b										95
100				29.9	227.5	52,800	41.8	239.6	48,500	56.7	249.8	41,100										100
105				21.4	216.7	49,400	35.9	233.1	45,300	52.2	246.1	38,400										105
110				2.8	191.4	46,000	29.1	225.0	42,400	47.5	241.8	35,900										110
115							20.2	213.6	39,700	42.3	236.6	33,600	56.8	245.0	27,500							115
120										36.5	230.3	31,600	52.3	241.3	25,700							120
125										29.8	222.4	29,700	47.6	237.0	24,100							125
130										21.2	211.5	27,900	42.4	231.8	22,700							130
135													36.7	225.6	21,300	52.0	234.9	16,300				135
140													30.0	217.7	20,000	47.2	230.5	15,200				140
145													21.5	206.9	18,800	42.1	225.2	14,300				145
150													3.7	182.7	17,400	36.3	218.9	13,300				150
155																29.5	210.9	12,500	46.3	222.1	8,400	155
160																20.7	199.7	11,600	41.0	216.7	7,700	160
165																			35.1	210.1	7,100	165
170																			28.0	201.6	6,500	170
175																			18.6	189.5	5,800	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	93,400b																65
70	52.5	260.7	91,900*	64.5	269.4	84,600b																70
75	48.3	256.5	83,300*	60.9	266.7	77,200	67.6	269.9	70,800b													75
80	43.8	251.5	76,100*	57.1	263.6	70,800	64.1	267.6	64,900b													80
85	38.9	245.7	69,900*	53.2	260.0	65,300	60.4	264.9	59,800													85
90	33.4	238.6	64,500*	49.0	255.9	60,500	56.7	261.7	55,400													90
95	27.0	229.7	59,800*	44.6	251.0	56,300	52.7	258.1	51,500													95
100	18.4	217.3	55,600*	39.8	245.4	52,500	48.6	253.9	48,000	60.8	261.6	40,400										100
105				34.4	238.6	49,100	44.1	248.9	44,800	57.0	258.5	37,700										105
110				28.1	230.1	46,000	39.2	243.2	42,000	53.1	254.9	35,300										110
115				20.1	218.4	43,200	33.8	236.2	39,400	49.0	250.8	33,100										115
120				2.6	191.5	40,300	27.3	227.4	37,100	44.6	245.9	31,000	57.1	253.7	25,000							120
125							19.0	215.3	34,800	39.7	240.2	29,200	53.2	250.1	23,500							125
130										34.3	233.4	27,500	49.1	246.0	22,000							130
135										28.0	224.9	25,900	44.7	241.2	20,700							135
140										19.9	213.2	24,400	39.9	235.5	19,500	52.9	243.7	14,600				140
145													34.5	228.7	18,300	48.8	239.5	13,600				145
150													28.2	220.2	17,200	44.3	234.6	12,700				150
155													20.2	208.7	16,100	39.5	228.9	11,900				155
160													3.5	182.9	15,000	34.1	222.0	11,100	48.0	231.2	7,000	160
165																27.7	213.3	10,300	43.5	226.1	6,400	165
170																19.5	201.4	9,600	38.5	220.2	5,900	170
175																			33.0	213.0	5,300	175
180																			26.4	204.0	4,800	180
185																			17.5	191.0	4,200	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	92,800b													65
70	56.8	273.1	91,900*	67.2	280.4	84,000b													70
75	53.3	269.5	83,300*	64.0	278.1	76,500													75
80	49.6	265.4	76,000*	60.8	275.4	70,200	66.8	278.7	64,200b										80
85	45.7	260.7	69,700*	57.4	272.3	64,700	63.7	276.3	59,100										85
90	41.5	255.3	64,300*	53.9	268.8	59,900	60.4	273.6	54,700										90
95	36.8	249.0	59,600*	50.2	264.8	55,700	57.0	270.4	50,800										95
100	31.6	241.5	55,400*	46.3	260.2	51,900	53.5	266.9	47,300										100
105	25.5	232.0	51,700*	42.2	254.9	48,600	49.8	262.8	44,200	60.7	270.3	36,900							105
110	17.4	218.8	48,400*	37.6	248.8	45,500	45.9	258.1	41,400	57.3	267.2	34,500							110
115				32.6	241.5	42,700	41.7	252.8	38,800	53.8	263.7	32,300							115
120				26.6	232.4	40,200	37.1	246.5	36,500	50.2	259.7	30,300							120
125				19.0	220.1	37,800	31.9	239.1	34,400	46.3	255.1	28,500	57.4	262.4	22,600				125
130				2.4	191.6	35,500	25.9	229.7	32,400	42.1	249.8	26,800	53.9	258.9	21,200				130
135							17.9	216.8	30,500	37.6	243.7	25,200	50.3	254.9	19,900				135
140										32.5	236.3	23,800	46.4	250.3	18,700				140
145										26.5	227.2	22,400	42.2	245.1	17,600				145
150										18.9	214.8	21,100	37.7	238.9	16,500	50.0	248.4	11,900	150
155													32.6	231.6	15,500	46.1	243.8	11,100	155
160													26.7	222.6	14,500	41.9	238.5	10,300	160
165													19.1	210.3	13,600	37.4	232.3	9,600	165
170													3.2	183.2	12,600	32.2	224.9	8,900	170
175																26.2	215.7	8,200	175
180																18.4	203.0	7,500	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	83,300*													70
75	57.1	281.8	84,400*	66.5	289.1	75,900													75
80	53.9	278.3	78,200*	63.7	286.7	69,600													80
85	50.6	274.3	71,700*	60.7	284.0	64,100	66.2	287.4	58,400										85
90	47.1	269.8	66,100*	57.6	281.0	59,300	63.3	285.0	54,000										90
95	43.4	264.7	61,200*	54.5	277.5	55,100	60.4	282.2	50,100										95
100	39.4	258.9	56,900*	51.2	273.6	51,300	57.3	279.1	46,600										100
105	35.0	252.2	53,100*	47.7	269.2	48,000	54.1	275.6	43,500										105
110	30.1	244.2	49,700*	44.0	264.3	45,000	50.8	271.7	40,800	60.6	278.9	33,800							110
115	24.3	234.1	46,600*	40.1	258.6	42,200	47.3	267.2	38,200	57.6	275.9	31,600							115
120	16.6	220.2	43,800*	35.8	252.0	39,700	43.6	262.2	35,900	54.4	272.4	29,600							120
125				31.0	244.3	37,400	39.6	256.4	33,800	51.1	268.5	27,800							125
130				25.3	234.7	35,300	35.3	249.7	31,900	47.7	264.1	26,100	57.7	271.1	20,500				130
135				18.1	221.7	33,300	30.4	241.8	30,100	44.0	259.2	24,600	54.5	267.6	19,200				135
140				2.2	191.8	31,300	24.6	231.9	28,400	40.0	253.5	23,200	51.2	263.7	18,000				140
145							17.1	218.3	26,800	35.7	246.9	21,900	47.8	259.4	16,900				145
150										30.9	239.1	20,600	44.1	254.4	15,800				150
155										25.2	229.5	19,400	40.1	248.7	14,800	51.0	257.3	10,300	155
160										18.0	216.4	18,300	35.9	242.2	13,900	47.5	252.8	9,600	160
165													31.0	234.4	13,100	43.8	247.8	8,900	165
170													25.4	224.8	12,200	39.9	242.1	8,200	170
175													18.2	211.9	11,400	35.5	235.5	7,600	175
180													3.0	183.3	10,500	30.7	227.6	7,000	180
185																25.0	217.9	6,400	185
190																17.6	204.6	5,800	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	75,200													75
80	57.4	290.5	76,100*	66.0	297.8	68,900													80
85	54.5	287.0	71,300*	63.4	295.4	63,400													85
90	51.4	283.1	65,700*	60.6	292.7	58,700	65.7	296.1	53,200										90
95	48.3	278.8	60,800*	57.8	289.6	54,500	63.0	293.6	49,400										95
100	45.0	274.0	56,500*	55.0	286.2	50,700	60.3	290.9	45,900										100
105	41.4	268.6	52,700*	52.0	282.4	47,400	57.5	287.8	42,800										105
110	37.6	262.4	49,300*	48.8	278.2	44,400	54.6	284.3	40,100										110
115	33.5	255.2	46,200*	45.5	273.5	41,600	51.6	280.5	37,600	60.6	287.6	30,800							115
120	28.8	246.7	43,400*	42.1	268.2	39,200	48.5	276.2	35,300	57.8	284.6	28,800							120
125	23.2	236.2	40,900*	38.3	262.1	36,900	45.2	271.4	33,200	54.9	281.1	27,000							125
130	15.8	221.6	38,500*	34.2	255.1	34,800	41.6	266.0	31,300	51.9	277.3	25,400							130
135				29.6	246.9	32,900	37.9	259.9	29,500	48.8	273.1	23,900	57.9	279.7	18,300				135
140				24.2	236.8	31,100	33.7	252.8	27,900	45.5	268.4	22,500	55.0	276.3	17,100				140
145				17.3	223.1	29,400	29.0	244.4	26,300	42.0	263.0	21,200	52.0	272.6	16,000				145
150				2.1	191.9	27,600	23.5	234.0	24,900	38.2	257.0	19,900	48.9	268.3	15,000				150
155							16.3	219.7	23,500	34.1	250.0	18,800	45.6	263.6	14,100				155
160										29.5	241.7	17,700	42.1	258.3	13,200	51.8	266.1	8,700	160
165										24.1	231.6	16,700	38.3	252.2	12,300	48.6	261.8	8,000	165
170										17.2	217.9	15,700	34.3	245.3	11,500	45.3	257.1	7,400	170
175													29.7	237.1	10,800	41.8	251.7	6,800	175
180													24.3	227.0	10,000	38.1	245.6	6,200	180
185													17.4	213.4	9,300	33.9	238.6	5,600	185
190													2.9	183.5	8,500	29.3	230.2	5,100	190
195																23.9	220.0	4,600	195
200																16.8	206.0	4,000	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	74,800													75
80	60.2	302.2	73,000*	68.0	308.8	68,500													80
85	57.6	299.1	68,900*	65.6	306.5	63,100													85
90	54.9	295.7	64,900*	63.1	304.1	58,300	67.7	307.0	52,900										90
95	52.1	291.9	60,700*	60.6	301.3	54,100	65.3	304.8	49,000										95
100	49.3	287.8	56,400*	58.0	298.3	50,400	62.8	302.3	45,600										100
105	46.3	283.1	52,600*	55.4	294.9	47,100	60.3	299.5	42,500										105
110	43.1	278.0	49,100*	52.6	291.2	44,100	57.7	296.5	39,700										110
115	39.7	272.2	46,100*	49.8	287.1	41,400	55.0	293.1	37,200										115
120	36.1	265.6	43,300*	46.8	282.6	38,900	52.3	289.3	35,000	60.5	296.3	28,500							120
125	32.1	258.1	40,700*	43.6	277.5	36,600	49.4	285.2	32,900	58.0	293.2	26,700							125
130	27.6	249.2	38,400*	40.3	271.9	34,600	46.4	280.6	31,000	55.3	289.9	25,000							130
135	22.3	238.1	36,300*	36.7	265.4	32,700	43.3	275.4	29,200	52.6	286.1	23,500							135
140	15.2	222.9	34,300*	32.8	258.1	30,900	39.9	269.7	27,600	49.7	282.0	22,100	58.0	288.4	16,800				140
145				28.4	249.4	29,200	36.3	263.2	26,100	46.7	277.5	20,800	55.4	285.1	15,700				145
150				23.2	238.8	27,700	32.3	255.7	24,700	43.6	272.4	19,600	52.6	281.4	14,700				150
155				16.6	224.6	26,200	27.9	246.9	23,400	40.3	266.7	18,500	49.8	277.3	13,700				155
160				2.0	192.0	24,700	22.6	236.0	22,100	36.7	260.3	17,500	46.8	272.7	12,800				160
165							15.6	221.0	20,900	32.7	252.9	16,500	43.7	267.6	12,000	52.4	274.9	7,700	165
170										28.3	244.3	15,500	40.3	262.0	11,200	49.6	270.8	7,000	170
175										23.1	233.6	14,600	36.8	255.6	10,500	46.6	266.2	6,400	175
180										16.5	219.3	13,800	32.8	248.2	9,800	43.4	261.1	5,900	180
185													28.5	239.6	9,100	40.1	255.4	5,300	185
190													23.3	229.0	8,500	36.5	248.9	4,800	190
195													16.7	214.8	7,800	32.6	241.5	4,300	195
200													2.7	183.7	7,100				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	67,800													80
85	60.1	310.9	66,100*	67.4	317.5	62,400													85
90	57.7	307.8	62,600*	65.2	315.2	57,700													90
95	55.3	304.4	59,100*	62.9	312.8	53,500	67.2	315.8	48,300										95
100	52.7	300.7	55,700*	60.5	310.0	49,800	64.9	313.5	44,800										100
105	50.1	296.7	52,400*	58.2	307.0	46,400	62.6	311.0	41,800										105
110	47.3	292.2	49,100*	55.7	303.7	43,400	60.3	308.2	39,000										110
115	44.5	287.3	45,900*	53.2	300.0	40,700	57.9	305.1	36,500										115
120	41.4	281.8	43,100*	50.5	296.0	38,300	55.4	301.8	34,300	62.8	307.7	27,700							120
125	38.2	275.7	40,500*	47.8	291.6	36,000	52.9	298.1	32,200	60.5	304.9	25,900							125
130	34.7	268.8	38,200*	45.0	286.8	34,000	50.2	294.0	30,300	58.1	301.9	24,300							130
135	30.9	260.9	36,100*	42.0	281.4	32,100	47.5	289.6	28,600	55.7	298.6	22,800							135
140	26.6	251.5	34,000*	38.8	275.4	30,300	44.6	284.7	27,000	53.1	294.9	21,400							140
145	21.4	240.0	32,000*	35.3	268.6	28,700	41.6	279.2	25,500	50.5	290.9	20,100							145
150	14.6	224.1	30,300*	31.6	260.9	27,200	38.4	273.2	24,100	47.8	286.5	18,900	55.7	293.8	13,900				150
155				27.3	251.9	25,700	34.9	266.3	22,800	44.9	281.6	17,800	53.2	290.1	12,900				155
160				22.4	240.8	24,400	31.1	258.5	21,500	41.9	276.3	16,800	50.6	286.1	12,100				160
165				15.9	226.0	23,100	26.8	249.2	20,400	38.7	270.3	15,800	47.8	281.7	11,200				165
170				1.9	192.1	21,800	21.7	237.9	19,300	35.3	263.5	14,900	45.0	276.9	10,500	53.0	283.7	6,200	170
175							15.0	222.3	18,200	31.5	255.8	14,000	42.0	271.5	9,800	50.4	279.6	5,600	175
180										27.3	246.7	13,200	38.8	265.5	9,100	47.6	275.2	5,000	180
185										22.3	235.6	12,400	35.4	258.8	8,400	44.8	270.3	4,500	185
190										15.8	220.6	11,600	31.6	251.1	7,800	41.8	264.9	4,000	190
195													27.4	242.0	7,200				195
200													22.4	231.0	6,600				200
205													16.0	216.2	6,000				205
210													2.6	183.9	5,400				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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	67,200										80
85	62.3	322.3	63,100*	69.0	328.3	61,700										85
90	60.1	319.5	60,000*	66.9	326.2	57,000										90
95	57.9	316.5	57,000*	64.8	323.9	52,800										95
100	55.6	313.1	54,000*	62.7	321.4	49,100	66.7	324.5	44,200							100
105	53.2	309.5	51,100*	60.5	318.7	45,800	64.6	322.2	41,100							105
110	50.8	305.5	48,200*	58.3	315.6	42,800	62.4	319.6	38,400							110
115	48.3	301.2	45,400*	56.0	312.4	40,100	60.3	316.9	35,900							115
120	45.6	296.4	42,800*	53.6	308.8	37,700	58.0	313.8	33,600							120
125	42.9	291.2	40,300*	51.2	304.9	35,500	55.7	310.5	31,600	62.7	316.3	25,200				125
130	40.0	285.4	38,000*	48.7	300.6	33,400	53.4	306.9	29,700	60.5	313.6	23,600				130
135	36.8	279.0	35,800*	46.1	295.9	31,500	50.9	302.9	28,000	58.2	310.6	22,100				135
140	33.5	271.8	33,700*	43.3	290.8	29,800	48.4	298.6	26,400	56.0	307.3	20,700				140
145	29.8	263.5	31,800*	40.5	285.1	28,100	45.8	293.9	24,900	53.6	303.7	19,400				145
150	25.6	253.8	30,000*	37.4	278.8	26,600	43.0	288.7	23,500	51.2	299.8	18,300				150
155	20.7	241.8	28,400*	34.1	271.7	25,200	40.1	282.9	22,200	48.7	295.5	17,200	56.0	302.5	12,200	155
160	14.1	225.3	26,300*	30.4	263.6	23,900	37.0	276.5	21,000	46.0	290.8	16,100	53.7	298.9	11,400	160
165				26.4	254.2	22,700	33.7	269.4	19,800	43.3	285.6	15,200	51.2	295.0	10,600	165
170				21.6	242.7	21,500	30.0	261.2	18,800	40.4	280.0	14,300	48.7	290.7	9,800	170
175				15.4	227.3	20,300	25.9	251.5	17,800	37.3	273.7	13,400	46.1	286.0	9,100	175
180				1.8	192.2	19,100	21.0	239.7	16,800	34.0	266.6	12,600	43.4	280.9	8,400	180
185							14.5	223.6	15,800	30.4	258.5	11,800	40.5	275.2	7,800	185
190										26.3	249.0	11,100	37.4	268.9	7,200	190
195										21.5	237.5	10,400	34.1	261.9	6,600	195
200										15.3	222.0	9,700	30.5	253.8	6,000	200
205													26.4	244.4	5,500	205
210													21.6	232.9	5,000	210
215													15.5	217.6	4,500	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	61,100										85
90	62.2	331.0	57,300*	68.5	337.1	56,300										90
95	60.1	328.2	54,700*	66.5	335.0	52,200										95
100	58.0	325.1	52,000*	64.5	332.6	48,500										100
105	55.9	321.8	49,400*	62.5	330.1	45,200	66.3	333.2	40,400							105
110	53.7	318.2	46,900*	60.5	327.3	42,200	64.3	330.9	37,700							110
115	51.4	314.4	44,400*	58.4	324.3	39,500	62.3	328.3	35,200							115
120	49.1	310.1	42,000*	56.2	321.1	37,100	60.2	325.5	32,900							120
125	46.6	305.5	39,600*	54.1	317.5	34,800	58.1	322.5	30,900							125
130	44.1	300.5	37,400*	51.8	313.7	32,800	56.0	319.2	29,000	62.5	325.0	22,800				130
135	41.4	295.0	35,300*	49.5	309.5	30,900	53.8	315.6	27,300	60.4	322.2	21,300				135
140	38.6	289.0	33,400*	47.0	305.0	29,200	51.5	311.7	25,700	58.4	319.2	20,000				140
145	35.6	282.2	31,500*	44.5	300.0	27,600	49.2	307.5	24,200	56.2	316.0	18,700				145
150	32.4	274.7	29,800*	41.9	294.6	26,100	46.8	302.9	22,800	54.0	312.4	17,500				150
155	28.8	266.1	28,200*	39.1	288.7	24,700	44.2	297.9	21,600	51.8	308.6	16,400				155
160	24.8	256.0	26,700*	36.1	282.1	23,300	41.6	292.5	20,400	49.4	304.4	15,400	56.3	311.2	10,600	160
165	20.0	243.6	25,300*	32.9	274.7	22,100	38.8	286.5	19,200	47.0	299.9	14,500	54.1	307.6	9,800	165
170	13.6	226.5	23,200*	29.4	266.3	21,000	35.8	279.8	18,200	44.5	294.9	13,600	51.8	303.8	9,000	170
175				25.5	256.5	19,900	32.6	272.3	17,200	41.9	289.5	12,700	49.5	299.6	8,300	175
180				20.9	244.5	18,800	29.0	263.7	16,200	39.1	283.5	11,900	47.1	295.1	7,600	180
185				14.9	228.6	17,800	25.0	253.7	15,300	36.1	276.9	11,200	44.6	290.1	7,000	185
190				1.7	192.3	16,700	20.3	241.5	14,500	32.9	269.5	10,400	41.9	284.7	6,400	190
195							14.0	224.8	13,600	29.4	261.1	9,700	39.1	278.8	5,900	195
200										25.4	251.3	9,100	36.2	272.2	5,300	200
205										20.8	239.3	8,400	33.0	264.8	4,800	205
210										14.8	223.2	7,800	29.5	256.4	4,300	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	55,900										90
95	62.1	339.7	52,300*	68.0	345.8	51,800										95
100	60.1	336.9	50,000*	66.1	343.7	48,100										100
105	58.1	333.8	47,700*	64.3	341.3	44,800	67.8	344.1	40,000							105
110	56.1	330.5	45,400*	62.4	338.8	41,800	65.9	341.9	37,200							110
115	54.1	327.0	43,200*	60.4	336.0	39,100	64.1	339.6	34,800							115
120	51.9	323.2	41,000*	58.5	333.0	36,700	62.2	337.0	32,500							120
125	49.8	319.0	38,900*	56.5	329.7	34,500	60.2	334.2	30,500							125
130	47.5	314.6	36,800*	54.4	326.2	32,400	58.3	331.1	28,600							130
135	45.2	309.7	34,900*	52.3	322.5	30,500	56.2	327.9	26,900	62.3	333.7	20,900				135
140	42.7	304.4	33,000*	50.1	318.4	28,800	54.2	324.3	25,300	60.4	330.9	19,500				140
145	40.1	298.7	31,200*	47.9	314.0	27,200	52.1	320.5	23,800	58.5	327.9	18,300				145
150	37.4	292.4	29,600*	45.6	309.2	25,700	49.9	316.4	22,500	56.4	324.7	17,100				150
155	34.5	285.4	28,000*	43.1	304.0	24,300	47.6	312.0	21,200	54.4	321.2	16,000				155
160	31.4	277.5	26,500*	40.6	298.3	23,000	45.3	307.1	20,000	52.3	317.4	15,000				160
165	27.9	268.6	25,100*	37.9	292.1	21,800	42.8	301.9	18,900	50.1	313.3	14,100	56.5	319.8	9,400	165
170	24.0	258.1	23,900*	35.0	285.2	20,600	40.3	296.2	17,800	47.8	308.9	13,200	54.4	316.4	8,600	170
175	19.4	245.3	22,700*	31.9	277.5	19,600	37.6	289.9	16,900	45.5	304.1	12,300	52.3	312.6	7,900	175
180	13.2	227.6	20,600*	28.5	268.8	18,500	34.7	282.9	15,900	43.1	298.9	11,600	50.2	308.5	7,300	180
185				24.7	258.6	17,600	31.6	275.1	15,000	40.5	293.2	10,800	47.9	304.1	6,600	185
190				20.2	246.3	16,600	28.1	266.2	14,200	37.8	287.0	10,100	45.6	299.3	6,100	190
195				14.4	229.8	15,700	24.2	255.9	13,400	35.0	280.1	9,400	43.1	294.1	5,500	195
200				1.7	192.4	14,800	19.6	243.2	12,600	31.9	272.4	8,800	40.6	288.5	5,000	200
205							13.6	226.0	11,800	28.5	263.6	8,200	37.9	282.2	4,500	205
210										24.7	253.4	7,600	35.0	275.4	4,000	210
215										20.1	241.0	7,000				215
220										14.3	224.5	6,400				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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	55,300										90
95	63.7	350.9	49,700*	69.3	356.6	51,100										95
100	61.9	348.3	47,700*	67.5	354.6	47,400										100
105	60.1	345.5	45,700*	65.8	352.4	44,100										105
110	58.3	342.5	43,700*	64.0	350.0	41,200	67.3	352.9	36,500							110
115	56.4	339.2	41,700*	62.2	347.4	38,500	65.6	350.6	34,100							115
120	54.4	335.7	39,800*	60.4	344.6	36,100	63.8	348.2	31,900							120
125	52.4	332.0	37,900*	58.6	341.6	33,800	62.0	345.6	29,800							125
130	50.4	327.9	36,000*	56.7	338.4	31,800	60.2	342.8	28,000							130
135	48.3	323.5	34,200*	54.7	335.0	29,900	58.4	339.8	26,200							135
140	46.1	318.8	32,500*	52.8	331.2	28,200	56.5	336.6	24,700	62.2	342.3	18,800				140
145	43.8	313.8	30,800*	50.7	327.2	26,600	54.5	333.1	23,200	60.4	339.6	17,500				145
150	41.4	308.2	29,200*	48.6	322.9	25,100	52.5	329.3	21,800	58.5	336.6	16,400				150
155	38.9	302.2	27,700*	46.4	318.3	23,700	50.5	325.3	20,600	56.6	333.3	15,300				155
160	36.3	295.7	26,300*	44.2	313.3	22,400	48.4	320.9	19,400	54.7	329.9	14,300				160
165	33.5	288.4	24,900*	41.8	307.8	21,200	46.2	316.3	18,300	52.7	326.2	13,400				165
170	30.5	280.2	23,700*	39.4	301.9	20,100	43.9	311.2	17,200	50.7	322.1	12,500	56.7	328.5	7,800	170
175	27.1	271.0	22,500*	36.8	295.4	19,000	41.6	305.7	16,200	48.6	317.8	11,600	54.8	325.1	7,100	175
180	23.3	260.2	21,300*	34.0	288.3	18,000	39.1	299.7	15,300	46.4	313.2	10,900	52.8	321.4	6,500	180
185	18.8	246.9	20,300*	31.0	280.3	17,000	36.5	293.2	14,400	44.2	308.2	10,100	50.7	317.4	5,900	185
190	12.8	228.7	18,100*	27.7	271.3	16,100	33.7	285.9	13,600	41.8	302.7	9,400	48.6	313.1	5,300	190
195				24.0	260.8	15,300	30.6	277.9	12,800	39.3	296.8	8,800	46.5	308.4	4,800	195
200				19.6	248.0	14,400	27.3	268.7	12,100	36.7	290.3	8,100	44.2	303.4	4,200	200
205				14.0	231.0	13,600	23.5	258.0	11,300	33.9	283.1	7,500				205
210				1.6	192.5	12,700	19.1	244.9	10,600	30.9	275.2	6,900				210
215							13.2	227.1	9,900	27.7	266.1	6,400				215
220										23.9	255.6	5,800				220
225										19.6	242.8	5,300				225
230										13.9	225.7	4,800				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	50,500										95
100	63.5	359.6	45,300*	68.8	365.4	46,800										100
105	61.8	357.0	43,600*	67.2	363.3	43,500										105
110	60.1	354.2	41,900*	65.5	361.1	40,600										110
115	58.3	351.2	40,200*	63.8	358.7	37,900	67.0	361.6	33,500							115
120	56.6	347.9	38,500*	62.1	356.1	35,500	65.3	359.3	31,200							120
125	54.7	344.4	36,800*	60.4	353.3	33,300	63.6	356.9	29,200							125
130	52.8	340.7	35,100*	58.6	350.3	31,200	61.9	354.3	27,300							130
135	50.9	336.8	33,500*	56.9	347.1	29,400	60.2	351.5	25,600							135
140	48.9	332.5	31,900*	55.0	343.7	27,600	58.4	348.5	24,100							140
145	46.9	327.9	30,300*	53.2	340.0	26,100	56.6	345.3	22,600	62.1	351.0	16,900				145
150	44.8	323.0	28,900*	51.2	336.1	24,600	54.8	341.8	21,200	60.4	348.2	15,700				150
155	42.6	317.7	27,400*	49.3	331.9	23,200	52.9	338.1	20,000	58.6	345.2	14,700				155
160	40.3	311.9	26,100*	47.2	327.3	21,900	51.0	334.1	18,800	56.8	342.0	13,700				160
165	37.9	305.7	24,700*	45.1	322.5	20,700	49.0	329.9	17,700	55.0	338.6	12,700				165
170	35.3	298.8	23,400*	42.9	317.2	19,600	47.0	325.3	16,700	53.1	334.9	11,900				170
175	32.6	291.3	22,200*	40.7	311.6	18,500	44.9	320.4	15,700	51.2	331.0	11,000	56.9	337.2	6,500	175
180	29.6	282.9	21,000*	38.3	305.4	17,500	42.7	315.1	14,800	49.2	326.8	10,300	55.0	333.8	5,800	180
185	26.4	273.3	19,900*	35.7	298.7	16,500	40.4	309.4	13,900	47.2	322.2	9,500	53.2	330.1	5,200	185
190	22.7	262.2	18,900*	33.0	291.3	15,600	38.0	303.2	13,100	45.1	317.4	8,800	51.3	326.2	4,700	190
195	18.3	248.5	17,900*	30.1	283.0	14,800	35.4	296.4	12,300	42.9	312.1	8,200	49.3	322.0	4,100	195
200	12.5	229.8	15,900*	26.9	273.7	14,000	32.7	288.9	11,500	40.6	306.4	7,500				200
205				23.3	262.8	13,200	29.8	280.5	10,800	38.2	300.3	6,900				205
210				19.1	249.7	12,400	26.6	271.0	10,100	35.7	293.5	6,400				210
215				13.6	232.2	11,700	22.9	260.0	9,500	33.0	286.1	5,800				215
220				1.5	192.6	10,900	18.6	246.5	8,900	30.1	277.8	5,300				220
225							12.8	228.2	8,200	26.9	268.5	4,800				225
230										23.3	257.6	4,300				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	46,200							100
105	63.4	368.3	41,400*	68.4	374.2	42,900							105
110	61.7	365.7	39,900*	66.8	372.1	39,900							110
115	60.1	362.8	38,400*	65.2	369.8	37,300							115
120	58.4	359.8	36,900*	63.6	367.4	34,900	66.6	370.3	30,500				120
125	56.7	356.6	35,400*	62.0	364.8	32,600	65.0	368.0	28,500				125
130	55.0	353.2	34,000*	60.4	362.0	30,600	63.5	365.6	26,700				130
135	53.2	349.5	32,500*	58.7	359.0	28,800	61.8	363.0	25,000				135
140	51.4	345.6	31,000*	57.0	355.8	27,000	60.2	360.2	23,400				140
145	49.5	341.4	29,600*	55.3	352.4	25,400	58.5	357.1	21,900				145
150	47.6	336.9	28,300*	53.5	348.8	24,000	56.8	353.9	20,600	62.0	359.7	15,000	150
155	45.6	332.1	27,000*	51.7	344.9	22,600	55.1	350.5	19,300	60.4	356.9	13,900	155
160	43.6	327.0	25,500*	49.8	340.8	21,300	53.3	346.9	18,100	58.7	353.9	12,900	160
165	41.4	321.5	24,100*	47.9	336.3	20,100	51.5	343.0	17,000	57.0	350.7	12,000	165
170	39.2	315.5	22,800*	46.0	331.6	19,000	49.6	338.8	16,000	55.3	347.3	11,100	170
175	36.9	309.0	21,600*	43.9	326.5	17,900	47.7	334.3	15,000	53.5	343.7	10,300	175
180	34.4	301.9	20,500*	41.8	321.1	16,900	45.7	329.6	14,100	51.7	339.8	9,500	180
185	31.7	294.1	19,400*	39.6	315.2	16,000	43.7	324.4	13,300	49.8	335.7	8,800	185
190	28.8	285.5	18,400*	37.3	308.8	15,100	41.5	318.9	12,400	47.9	331.2	8,100	190
195	25.7	275.6	17,400*	34.8	301.8	14,200	39.3	313.0	11,700	45.9	326.5	7,500	195
200	22.1	264.1	16,500*	32.2	294.2	13,400	37.0	306.5	10,900	43.9	321.4	6,900	200
205	17.8	250.0	15,600*	29.3	285.6	12,600	34.5	299.5	10,200	41.8	315.9	6,300	205
210	12.1	230.9	13,800*	26.2	276.0	11,900	31.9	291.7	9,600	39.5	310.0	5,700	210
215				22.7	264.8	11,200	29.0	283.1	8,900	37.2	303.6	5,200	215
220				18.6	251.3	10,500	25.9	273.3	8,300	34.8	296.7	4,600	220
225				13.3	233.3	9,800	22.3	261.9	7,700	32.1	289.0	4,200	225
230				1.5	192.6	9,100	18.1	248.1	7,100				230
235							12.5	229.3	6,600				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	93,500b																65
70	38.7	242.8	91,800*	57.5	257.0	84,800b																70
75	31.3	235.4	83,300*	52.4	253.3	77,400b	62.2	258.4	70,800b													75
80	21.8	224.9	76,000*	46.9	248.9	71,000	57.4	255.4	64,900b													80
85				40.9	243.5	65,500	52.3	251.7	59,900b													85
90				34.0	236.7	60,700	46.9	247.3	55,400													90
95				25.5	227.6	56,400	40.8	241.9	51,500	58.7	252.5	43,300b										95
100				12.0	211.9	52,400	33.9	235.1	48,000	53.7	249.0	40,300b										100
105							25.4	225.9	44,800	48.4	244.8	37,600										105
110							11.7	210.1	41,800	42.5	239.7	35,200										110
115										35.9	233.4	32,900	54.7	244.6	26,500b							115
120										27.9	225.0	30,900	49.4	240.5	24,800							120
125										16.6	212.1	28,900	43.7	235.6	23,200							125
130													37.3	229.6	21,800							130
135													29.6	221.7	20,500	49.9	234.4	15,200				135
140													19.3	210.1	19,100	44.2	229.6	14,200				140
145																37.9	223.6	13,300				145
150																30.4	216.0	12,400				150
155																20.4	204.9	11,500	44.0	221.6	7,300	155
160																			37.6	215.6	6,700	160
165																			30.1	207.8	6,100	165
170																			20.0	196.6	5,400	170

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M-250

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	92,900b																65
70	47.0	257.8	91,000*	62.0	268.7	84,200b																70
75	41.8	252.5	83,600*	57.8	265.7	76,800b	65.9	269.6	70,000b													75
80	36.0	246.1	76,300*	53.4	262.1	70,500	61.9	267.1	64,200b													80
85	29.2	238.0	70,100*	48.7	257.9	65,000	57.7	264.1	59,200b													85
90	20.3	226.7	64,700*	43.7	253.0	60,200	53.3	260.5	54,800													90
95				38.1	247.0	56,000	48.7	256.3	50,900	63.0	264.1	42,400b										95
100				31.7	239.6	52,200	43.6	251.4	47,400	58.9	261.2	39,500b										100
105				23.7	229.7	48,700	38.0	245.4	44,300	54.5	257.8	36,800										105
110				11.1	212.8	45,500	31.6	237.9	41,500	50.0	253.8	34,400										110
115							23.6	228.0	38,900	45.0	249.0	32,300										115
120							10.9	210.9	36,400	39.6	243.4	30,300	55.4	253.3	23,900							120
125										33.5	236.4	28,500	50.9	249.4	22,400							125
130										26.0	227.3	26,700	46.0	244.9	21,000							130
135										15.4	213.4	25,100	40.7	239.4	19,800							135
140													34.7	232.7	18,500	51.3	243.3	13,400				140
145													27.6	224.1	17,400	46.5	238.8	12,500				145
150													18.0	211.7	16,300	41.2	233.4	11,600				150
155																35.3	226.8	10,800				155
160																28.3	218.5	10,000	46.3	230.8	5,800	160
165																19.0	206.6	9,300	41.0	225.3	5,200	165
170																			35.1	218.7	4,700	170
175																			28.0	210.3	4,200	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	92,300b													65
70	52.8	271.0	87,700*	65.3	279.9	83,600b													70
75	48.6	266.8	83,900*	61.7	277.3	76,200b													75
80	44.2	261.9	77,000*	58.0	274.3	69,900	65.3	278.3	63,600b										80
85	39.3	256.1	70,700*	54.2	270.9	64,500	61.7	275.7	58,600										85
90	33.9	249.2	65,200*	50.1	266.9	59,700	58.0	272.7	54,200										90
95	27.5	240.4	60,400*	45.7	262.2	55,500	54.1	269.3	50,300										95
100	19.1	228.3	56,100*	41.0	256.8	51,800	50.0	265.2	46,900	62.7	272.7	38,800b							100
105				35.8	250.3	48,400	45.7	260.6	43,800	59.0	269.8	36,200							105
110				29.8	242.3	45,400	41.0	255.1	41,100	55.2	266.5	33,800							110
115				22.3	231.6	42,600	35.7	248.6	38,500	51.2	262.6	31,700							115
120				10.4	213.7	39,900	29.7	240.6	36,200	46.9	258.2	29,700							120
125							22.2	229.9	34,100	42.3	253.0	27,900	55.9	262.0	21,800				125
130							10.2	211.8	32,000	37.2	246.8	26,300	51.9	258.3	20,400				130
135										31.4	239.2	24,700	47.7	253.9	19,100				135
140										24.5	229.5	23,300	43.2	248.9	18,000				140
145										14.5	214.7	21,900	38.2	242.9	16,900	52.3	252.1	11,800	145
150													32.6	235.6	15,800	48.1	247.8	11,000	150
155													25.9	226.4	14,800	43.6	242.8	10,200	155
160													16.9	213.1	13,900	38.7	236.9	9,500	160
165																33.2	229.8	8,800	165
170																26.6	220.8	8,100	170
175																17.9	208.1	7,400	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	91,600b													65
70	57.1	283.3	85,200*	67.9	290.9	82,900b													70
75	53.5	279.8	80,800*	64.8	288.6	75,600													75
80	49.9	275.7	75,600*	61.6	286.0	69,300	67.9	289.3	62,800b										80
85	45.9	271.1	70,600*	58.2	283.0	63,900	64.8	287.0	57,800										85
90	41.8	265.7	65,000*	54.8	279.6	59,100	61.5	284.4	53,500										90
95	37.2	259.5	60,200*	51.1	275.7	54,900	58.2	281.4	49,600										95
100	32.0	252.0	56,000*	47.3	271.3	51,200	54.7	278.0	46,200										100
105	26.0	242.7	52,200*	43.2	266.2	47,900	51.1	274.1	43,200	62.4	281.4	35,300							105
110	18.1	229.9	48,800*	38.8	260.3	44,900	47.3	269.7	40,400	59.1	278.5	33,000							110
115				33.9	253.3	42,100	43.2	264.6	37,900	55.7	275.2	30,900							115
120				28.2	244.8	39,600	38.7	258.7	35,600	52.1	271.5	29,000							120
125				21.1	233.5	37,300	33.8	251.7	33,600	48.3	267.2	27,200							125
130				9.8	214.5	35,100	28.1	243.1	31,600	44.3	262.3	25,600	56.3	270.7	19,500				130
135							21.0	231.8	29,800	40.0	256.6	24,100	52.8	267.1	18,300				135
140							9.6	212.6	28,000	35.2	250.0	22,700	49.1	262.9	17,100				140
145										29.8	241.9	21,400	45.1	258.1	16,100				145
150										23.2	231.5	20,100	40.8	252.6	15,100				150
155										13.7	215.8	18,900	36.2	246.2	14,100	49.4	256.8	9,300	155
160													30.9	238.4	13,200	45.5	252.1	8,600	160
165													24.6	228.6	12,400	41.2	246.6	8,000	165
170													16.0	214.5	11,500	36.6	240.3	7,300	170
175																31.4	232.7	6,700	175
180																25.2	223.1	6,100	180
185																16.9	209.6	5,500	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	82,200b													70
75	57.3	292.0	77,600*	67.2	299.6	74,900													75
80	54.2	288.5	72,900*	64.4	297.3	68,600													80
85	50.8	284.6	68,400*	61.4	294.6	63,200	67.2	298.0	57,100										85
90	47.4	280.1	64,000*	58.4	291.7	58,500	64.3	295.7	52,800										90
95	43.7	275.1	59,900*	55.3	288.3	54,300	61.4	293.1	48,900										95
100	39.7	269.4	55,900*	52.0	284.5	50,600	58.4	290.1	45,600										100
105	35.4	262.7	52,300*	48.6	280.3	47,300	55.2	286.7	42,500										105
110	30.5	254.8	49,000*	45.0	275.5	44,300	52.0	282.9	39,800	62.2	290.1	32,300							110
115	24.7	244.9	45,900*	41.1	270.0	41,600	48.5	278.7	37,300	59.2	287.2	30,200							115
120	17.2	231.4	43,200*	36.9	263.7	39,100	44.9	273.9	35,100	56.1	283.9	28,200							120
125				32.2	256.2	36,900	41.1	268.4	33,000	52.9	280.3	26,500							125
130				26.8	247.1	34,800	36.8	262.0	31,100	49.5	276.1	24,900							130
135				20.1	235.2	32,800	32.2	254.6	29,300	45.9	271.5	23,400	56.7	279.4	17,500				135
140				9.4	215.3	30,900	26.8	245.5	27,700	42.1	266.2	22,000	53.5	275.8	16,400				140
145							20.0	233.5	26,100	38.0	260.1	20,800	50.1	271.8	15,400				145
150							9.2	213.3	24,600	33.5	253.0	19,600	46.6	267.3	14,400				150
155										28.3	244.4	18,400	42.9	262.1	13,500				155
160										22.0	233.4	17,300	38.8	256.2	12,600	50.4	265.7	7,900	160
165										13.0	216.9	16,300	34.4	249.3	11,800	46.9	261.2	7,200	165
170													29.4	241.0	11,000	43.2	256.1	6,600	170
175													23.4	230.6	10,300	39.2	250.2	6,100	175
180													15.2	215.8	9,500	34.8	243.4	5,500	180
185																29.9	235.3	5,000	185
190																24.0	225.2	4,400	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	74,200													75
80	57.6	300.7	70,100*	66.7	308.3	67,900													80
85	54.7	297.2	66,000*	64.0	306.0	62,500													85
90	51.7	293.4	62,100*	61.3	303.3	57,800	66.6	306.7	52,000										90
95	48.5	289.1	58,300*	58.5	300.3	53,700	64.0	304.4	48,200										95
100	45.2	284.3	54,700*	55.7	297.0	50,000	61.3	301.7	44,800										100
105	41.7	279.0	51,200*	52.7	293.3	46,700	58.5	298.7	41,800										105
110	37.9	272.8	48,000*	49.6	289.2	43,700	55.6	295.4	39,100										110
115	33.8	265.7	45,000*	46.4	284.6	41,000	52.7	291.7	36,600	62.0	298.7	29,300							115
120	29.1	257.4	42,300*	42.9	279.4	38,600	49.6	287.6	34,400	59.3	295.8	27,400							120
125	23.6	247.0	39,800*	39.2	273.6	36,300	46.3	283.0	32,300	56.4	292.6	25,700							125
130	16.4	232.8	37,500*	35.2	266.9	34,300	42.9	277.8	30,500	53.5	289.0	24,100							130
135				30.8	259.0	32,400	39.2	272.0	28,700	50.4	285.0	22,700							135
140				25.6	249.4	30,600	35.2	265.2	27,100	47.2	280.6	21,300	57.0	288.1	15,600				140
145				19.2	236.9	28,900	30.7	257.3	25,600	43.8	275.5	20,000	54.1	284.6	14,500				145
150				8.9	216.0	27,300	25.6	247.7	24,200	40.2	269.9	18,900	51.0	280.7	13,600				150
155							19.1	235.2	22,900	36.3	263.4	17,800	47.8	276.3	12,700				155
160							8.7	214.1	21,500	32.0	255.8	16,700	44.5	271.4	11,800				160
165										27.1	246.8	15,700	40.9	265.9	11,000	51.3	274.5	6,400	165
170										21.1	235.3	14,800	37.1	259.6	10,300	48.1	270.2	5,800	170
175										12.5	218.0	13,900	32.9	252.2	9,600	44.8	265.3	5,200	175
180													28.1	243.5	8,900	41.3	259.9	4,700	180
185													22.3	232.6	8,200	37.5	253.6	4,200	185
190													14.5	217.0	7,500				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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	73,800										75
80	60.3	312.4	67,200*	68.5	319.2	67,600										80
85	57.8	309.3	63,600*	66.1	317.0	62,200										85
90	55.1	306.0	60,100*	63.7	314.6	57,500										90
95	52.3	302.2	56,700*	61.2	312.0	53,300	66.1	315.5	47,800							95
100	49.5	298.1	53,400*	58.6	309.0	49,600	63.7	313.0	44,400							100
105	46.5	293.5	50,200*	56.0	305.7	46,400	61.2	310.4	41,400							105
110	43.3	288.3	47,200*	53.3	302.1	43,400	58.6	307.4	38,700							110
115	40.0	282.6	44,400*	50.5	298.1	40,700	56.0	304.1	36,300							115
120	36.4	276.1	41,700*	47.5	293.7	38,300	53.3	300.5	34,100	61.9	307.4	27,100				120
125	32.4	268.7	39,200*	44.4	288.7	36,100	50.4	296.5	32,000	59.3	304.5	25,300				125
130	27.9	259.8	37,000*	41.1	283.2	34,000	47.5	292.1	30,200	56.7	301.3	23,800				130
135	22.7	249.0	34,900*	37.6	277.0	32,100	44.4	287.1	28,400	54.0	297.8	22,300				135
140	15.8	234.2	33,000*	33.8	269.9	30,400	41.1	281.6	26,800	51.2	293.9	21,000				140
145				29.5	261.6	28,700	37.6	275.4	25,400	48.3	289.6	19,700	57.2	296.8	14,200	145
150				24.6	251.6	27,200	33.8	268.3	24,000	45.2	284.8	18,600	54.5	293.3	13,200	150
155				18.4	238.5	25,800	29.5	260.0	22,700	42.0	279.4	17,500	51.8	289.5	12,300	155
160				8.6	216.7	24,400	24.5	249.9	21,500	38.6	273.4	16,500	48.9	285.3	11,500	160
165							18.3	236.8	20,300	34.8	266.5	15,500	45.8	280.6	10,700	165
170							8.4	214.7	19,100	30.7	258.6	14,600	42.6	275.3	10,000	170
175										26.0	249.1	13,700	39.2	269.4	9,300	175
180										20.2	237.0	12,900	35.6	262.8	8,600	180
185										11.9	219.0	12,100	31.5	255.1	8,000	185
190													26.9	245.9	7,400	190
195													21.4	234.5	6,800	195
200													13.9	218.2	6,200	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	66,900										80
85	60.3	321.1	61,000*	68.0	327.9	61,500										85
90	57.9	318.0	57,800*	65.7	325.7	56,800										90
95	55.5	314.7	54,800*	63.4	323.3	52,700	67.9	326.4	47,100							95
100	52.9	311.0	51,800*	61.1	320.6	49,000	65.7	324.2	43,700							100
105	50.3	307.0	48,900*	58.7	317.7	45,700	63.4	321.7	40,700							105
110	47.5	302.5	46,200*	56.3	314.4	42,800	61.1	319.0	38,000							110
115	44.7	297.6	43,500*	53.8	310.9	40,100	58.7	316.1	35,600							115
120	41.7	292.2	41,000*	51.2	306.9	37,700	56.3	312.8	33,400							120
125	38.4	286.1	38,600*	48.5	302.6	35,500	53.8	309.3	31,300	61.7	316.0	24,500				125
130	35.0	279.3	36,400*	45.7	297.9	33,400	51.2	305.3	29,500	59.4	313.2	23,000				130
135	31.2	271.4	34,300*	42.7	292.7	31,500	48.5	301.0	27,800	56.9	310.0	21,500				135
140	26.9	262.2	32,400*	39.6	286.8	29,800	45.6	296.3	26,200	54.4	306.5	20,200				140
145	21.8	250.9	30,700*	36.2	280.3	28,200	42.7	291.1	24,700	51.9	302.7	19,000				145
150	15.2	235.5	29,100*	32.5	272.8	26,700	39.5	285.2	23,400	49.2	298.5	17,800	57.4	305.5	12,400	150
155				28.4	264.1	25,300	36.2	278.7	22,100	46.4	293.9	16,800	54.9	302.0	11,500	155
160				23.7	253.7	24,000	32.5	271.2	20,900	43.5	288.8	15,700	52.4	298.3	10,700	160
165				17.7	240.1	22,700	28.4	262.5	19,800	40.4	283.1	14,800	49.7	294.2	9,900	165
170				8.2	217.4	21,400	23.6	252.0	18,700	37.1	276.8	13,900	47.0	289.6	9,200	170
175							17.6	238.3	17,700	33.5	269.6	13,100	44.1	284.6	8,500	175
180							8.0	215.4	16,600	29.5	261.2	12,300	41.0	279.1	7,900	180
185										25.0	251.3	11,500	37.7	272.9	7,200	185
190										19.4	238.7	10,800	34.2	265.9	6,700	190
195										11.5	220.0	10,000	30.3	257.8	6,100	195
200													25.9	248.2	5,600	200
205													20.6	236.3	5,000	205
210													13.4	219.4	4,500	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	60,800										85
90	60.3	329.7	55,500*	67.4	336.7	56,200										90
95	58.1	326.7	52,800*	65.3	334.4	52,000										95
100	55.8	323.4	50,100*	63.2	332.0	48,400	67.4	335.1	43,000							100
105	53.4	319.8	47,500*	61.0	329.3	45,100	65.3	332.9	40,000							105
110	51.0	315.8	45,000*	58.8	326.3	42,200	63.2	330.4	37,300							110
115	48.4	311.5	42,600*	56.6	323.1	39,500	61.0	327.7	34,900							115
120	45.8	306.8	40,200*	54.2	319.6	37,100	58.8	324.7	32,700							120
125	43.1	301.6	38,000*	51.8	315.8	34,900	56.5	321.5	30,700							125
130	40.2	295.9	35,900*	49.3	311.6	32,800	54.2	318.0	28,800	61.6	324.7	22,300				130
135	37.1	289.5	33,900*	46.7	307.0	31,000	51.8	314.2	27,100	59.4	321.8	20,800				135
140	33.7	282.3	32,000*	44.0	302.0	29,200	49.3	310.0	25,600	57.1	318.7	19,500				140
145	30.1	274.1	30,300*	41.2	296.5	27,600	46.7	305.4	24,100	54.8	315.2	18,300				145
150	25.9	264.5	28,700*	38.2	290.3	26,200	44.0	300.4	22,800	52.4	311.5	17,100				150
155	21.0	252.8	27,200*	34.9	283.4	24,800	41.1	294.8	21,500	50.0	307.4	16,100	57.6	314.1	10,800	155
160	14.6	236.7	25,900*	31.4	275.6	23,500	38.1	288.7	20,300	47.4	302.9	15,100	55.3	310.8	10,000	160
165				27.4	266.6	22,200	34.9	281.8	19,200	44.7	298.0	14,200	52.9	307.1	9,200	165
170				22.8	255.7	21,100	31.3	274.0	18,100	41.9	292.6	13,300	50.5	303.1	8,500	170
175				17.1	241.5	19,900	27.4	264.9	17,200	39.0	286.7	12,500	47.9	298.7	7,800	175
180				7.9	218.0	18,800	22.8	254.0	16,200	35.8	280.0	11,700	45.3	293.8	7,200	180
185							17.0	239.8	15,300	32.3	272.5	10,900	42.5	288.6	6,600	185
190							7.8	216.1	14,400	28.5	263.8	10,200	39.5	282.7	6,000	190
195										24.1	253.4	9,500	36.4	276.2	5,500	195
200										18.8	240.4	8,900	33.0	268.8	4,900	200
205										11.1	220.9	8,200	29.3	260.4	4,400	205
210													25.0	250.4	4,000	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	60,200										85
90	62.3	341.2	53,000*	68.9	347.5	55,500										90
95	60.3	338.4	50,600*	67.0	345.4	51,400										95
100	58.2	335.4	48,300*	65.0	343.1	47,700										100
105	56.0	332.1	45,900*	63.0	340.7	44,400	67.0	343.8	39,300							105
110	53.8	328.5	43,700*	61.0	337.9	41,500	65.0	341.6	36,600							110
115	51.6	324.6	41,400*	58.9	335.0	38,900	63.0	339.1	34,200							115
120	49.2	320.4	39,300*	56.8	331.8	36,400	61.0	336.4	32,000							120
125	46.8	315.9	37,200*	54.6	328.3	34,200	58.9	333.4	30,000							125
130	44.3	310.9	35,200*	52.4	324.6	32,200	56.8	330.2	28,200							130
135	41.6	305.4	33,400*	50.0	320.5	30,400	54.6	326.7	26,500	61.5	333.4	20,000				135
140	38.8	299.4	31,600*	47.6	316.0	28,600	52.3	323.0	24,900	59.4	330.5	18,700				140
145	35.8	292.7	29,900*	45.2	311.2	27,000	50.0	318.9	23,500	57.3	327.3	17,500				145
150	32.6	285.3	28,300*	42.5	305.9	25,600	47.6	314.4	22,100	55.2	323.9	16,400				150
155	29.1	276.7	26,800*	39.8	300.1	24,200	45.1	309.6	20,900	52.9	320.3	15,300				155
160	25.1	266.8	25,500*	36.9	293.7	22,900	42.5	304.3	19,700	50.6	316.3	14,400	57.7	322.8	9,100	160
165	20.4	254.5	24,200*	33.8	286.5	21,700	39.8	298.5	18,600	48.3	311.9	13,400	55.6	319.5	8,400	165
170	14.2	238.0	23,100*	30.3	278.4	20,500	36.9	292.0	17,500	45.8	307.2	12,600	53.4	315.8	7,700	170
175				26.5	268.9	19,400	33.7	284.8	16,600	43.2	302.0	11,800	51.1	311.9	7,000	175
180				22.1	257.6	18,400	30.3	276.7	15,600	40.5	296.3	11,000	48.7	307.6	6,400	180
185				16.5	243.0	17,400	26.5	267.3	14,800	37.7	290.1	10,300	46.3	303.0	5,800	185
190				7.7	218.7	16,400	22.0	255.9	13,900	34.6	283.1	9,600	43.7	297.9	5,200	190
195							16.5	241.2	13,100	31.3	275.3	8,900	41.1	292.3	4,700	195
200							7.5	216.7	12,200	27.6	266.2	8,300	38.2	286.2	4,200	200
205										23.3	255.5	7,700				205
210										18.1	241.9	7,100				210
215										10.7	221.8	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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	55,000										90
95	62.2	349.9	48,400*	68.4	356.3	50,900										95
100	60.3	347.1	46,400*	66.6	354.1	47,300										100
105	58.3	344.0	44,300*	64.7	351.8	44,000										105
110	56.3	340.8	42,300*	62.8	349.3	41,100	66.6	352.6	36,200							110
115	54.2	337.2	40,300*	60.9	346.6	38,500	64.7	350.3	33,800							115
120	52.1	333.4	38,300*	59.0	343.7	36,000	62.8	347.7	31,600							120
125	49.9	329.3	36,400*	57.0	340.5	33,900	60.9	345.0	29,600							125
130	47.7	324.9	34,600*	54.9	337.0	31,800	58.9	342.1	27,800							130
135	45.3	320.1	32,800*	52.8	333.3	30,000	56.9	338.9	26,100							135
140	42.9	314.8	31,100*	50.7	329.3	28,300	54.9	335.4	24,500	61.4	342.0	18,300				140
145	40.3	309.1	29,500*	48.4	325.0	26,700	52.8	331.7	23,100	59.5	339.1	17,100				145
150	37.6	302.8	28,000*	46.1	320.3	25,200	50.6	327.7	21,700	57.5	336.0	16,000				150
155	34.7	295.9	26,600*	43.7	315.2	23,800	48.4	323.4	20,500	55.5	332.7	14,900				155
160	31.6	288.1	25,200*	41.2	309.7	22,600	46.1	318.7	19,300	53.4	329.0	14,000				160
165	28.2	279.2	24,000*	38.6	303.6	21,400	43.7	313.6	18,200	51.2	325.1	13,100	57.9	331.5	8,000	165
170	24.3	268.9	22,800*	35.7	296.9	20,200	41.2	308.1	17,200	49.0	320.9	12,200	55.9	328.2	7,300	170
175	19.7	256.3	21,700*	32.7	289.4	19,200	38.5	302.0	16,200	46.7	316.3	11,400	53.8	324.6	6,600	175
180	13.7	239.1	20,700*	29.4	281.0	18,100	35.7	295.3	15,300	44.4	311.3	10,600	51.6	320.7	6,000	180
185				25.7	271.2	17,200	32.7	287.8	14,400	41.9	305.9	9,900	49.5	316.5	5,400	185
190				21.4	259.5	16,300	29.4	279.3	13,600	39.3	299.9	9,200	47.2	312.0	4,900	190
195				16.0	244.4	15,400	25.7	269.5	12,800	36.5	293.4	8,600	44.8	307.1	4,300	195
200				7.4	219.3	14,500	21.4	257.8	12,100	33.5	286.1	7,900				200
205							16.0	242.6	11,300	30.3	278.0	7,400				205
210							7.3	217.3	10,600	26.7	268.6	6,800				210
215										22.6	257.5	6,200				215
220										17.6	243.5	5,700				220
225										10.4	222.7	5,100				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	50,300										95
100	62.1	358.5	44,200*	68.0	365.0	46,600										100
105	60.2	355.7	42,400*	66.2	362.9	43,400										105
110	58.4	352.7	40,700*	64.5	360.5	40,500	67.9	363.4	35,500							110
115	56.5	349.5	38,800*	62.7	358.0	37,800	66.2	361.3	33,100							115
120	54.5	346.0	37,100*	60.9	355.3	35,400	64.4	358.9	30,900							120
125	52.6	342.2	35,400*	59.0	352.3	33,200	62.7	356.4	28,900							125
130	50.5	338.2	33,700*	57.1	349.2	31,200	60.9	353.7	27,100							130
135	48.4	333.8	32,100*	55.2	345.8	29,400	59.0	350.7	25,400							135
140	46.2	329.2	30,500*	53.2	342.1	27,700	57.1	347.6	23,800							140
145	44.0	324.1	29,000*	51.2	338.2	26,100	55.2	344.2	22,400	61.3	350.7	16,400				145
150	41.6	318.6	27,600*	49.1	333.9	24,600	53.2	340.5	21,100	59.5	347.8	15,200				150
155	39.1	312.7	26,200*	47.0	329.4	23,300	51.2	336.6	19,800	57.6	344.7	14,200				155
160	36.5	306.1	24,900*	44.7	324.5	22,000	49.1	332.3	18,700	55.7	341.4	13,200				160
165	33.7	298.9	23,700*	42.4	319.1	20,800	47.0	327.8	17,600	53.8	337.8	12,300				165
170	30.7	290.8	22,600*	40.0	313.3	19,600	44.7	322.8	16,600	51.7	333.9	11,500	58.0	340.2	6,500	170
175	27.4	281.7	21,500*	37.4	307.0	18,600	42.4	317.5	15,600	49.7	329.8	10,700	56.1	336.9	5,800	175
180	23.6	271.0	20,500*	34.7	300.0	17,600	40.0	311.7	14,700	47.5	325.3	9,900	54.1	333.3	5,200	180
185	19.2	257.9	19,500*	31.7	292.3	16,600	37.4	305.4	13,800	45.3	320.5	9,200	52.1	329.5	4,600	185
190	13.3	240.3	18,500*	28.5	283.5	15,700	34.7	298.4	13,000	43.0	315.2	8,500	50.1	325.4	4,100	190
195				24.9	273.4	14,900	31.7	290.6	12,300	40.6	309.6	7,900				195
200				20.8	261.3	14,100	28.5	281.9	11,500	38.1	303.4	7,300				200
205				15.6	245.7	13,300	24.9	271.7	10,800	35.4	296.6	6,700				205
210				7.2	219.9	12,400	20.7	259.6	10,100	32.5	289.1	6,100				210
215							15.5	243.9	9,500	29.4	280.6	5,600				215
220							7.0	217.9	8,800	25.9	270.9	5,100				220
225										21.9	259.4	4,600				225
230										17.1	244.9	4,100				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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	49,700							95
100	63.7	369.8	42,000*	69.2	375.8	46,000							100
105	62.0	367.2	40,500*	67.6	373.8	42,800							105
110	60.2	364.4	39,000*	65.9	371.6	39,900							110
115	58.5	361.4	37,400*	64.2	369.2	37,200	67.5	372.2	32,400				115
120	56.7	358.1	35,800*	62.5	366.7	34,800	65.9	370.0	30,300				120
125	54.8	354.7	34,300*	60.8	363.9	32,700	64.2	367.6	28,300				125
130	53.0	351.0	32,800*	59.1	361.0	30,600	62.5	365.1	26,500				130
135	51.0	347.0	31,300*	57.3	357.8	28,800	60.8	362.3	24,800				135
140	49.1	342.8	29,900*	55.5	354.5	27,100	59.1	359.4	23,200				140
145	47.0	338.2	28,500*	53.6	350.9	25,500	57.3	356.2	21,800	63.0	362.0	15,700	145
150	44.9	333.3	27,100*	51.7	347.0	24,100	55.5	352.9	20,500	61.3	359.4	14,600	150
155	42.7	328.0	25,900*	49.8	342.8	22,700	53.6	349.3	19,200	59.5	356.5	13,600	155
160	40.4	322.3	24,600*	47.7	338.4	21,400	51.7	345.4	18,100	57.8	353.4	12,600	160
165	38.0	316.1	23,400*	45.6	333.6	20,200	49.7	341.2	17,000	56.0	350.1	11,700	165
170	35.5	309.3	22,300*	43.5	328.5	19,100	47.7	336.8	16,000	54.1	346.5	10,800	170
175	32.8	301.8	21,300*	41.2	322.9	18,100	45.6	332.0	15,000	52.2	342.7	10,000	175
180	29.8	293.5	20,300*	38.9	316.9	17,100	43.5	326.9	14,100	50.3	338.6	9,300	180
185	26.6	284.0	19,300*	36.4	310.3	16,100	41.2	321.3	13,300	48.3	334.3	8,600	185
190	23.0	273.0	18,400*	33.7	303.1	15,200	38.8	315.3	12,500	46.2	329.6	7,900	190
195	18.6	259.6	17,600*	30.9	295.0	14,400	36.3	308.7	11,700	44.1	324.5	7,300	195
200	12.9	241.4	16,200*	27.8	286.0	13,600	33.7	301.4	11,000	41.8	319.1	6,700	200
205				24.3	275.6	12,800	30.8	293.4	10,300	39.5	313.2	6,100	205
210				20.2	263.1	12,100	27.7	284.3	9,600	37.0	306.8	5,600	210
215				15.1	247.0	11,300	24.2	273.9	9,000	34.4	299.7	5,000	215
220				7.0	220.5	10,600	20.2	261.4	8,400	31.6	291.9	4,500	220
225							15.1	245.2	7,800	28.6	283.1	4,100	225
230							6.8	218.4	7,100				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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	45,400							100
105	63.5	378.5	38,400*	68.7	384.6	42,100							105
110	61.9	375.8	37,100*	67.2	382.5	39,200							110
115	60.2	373.0	35,800*	65.6	380.3	36,600							115
120	58.5	370.0	34,400*	64.0	377.9	34,200	67.2	380.9	29,600				120
125	56.8	366.8	33,000*	62.4	375.3	32,000	65.6	378.7	27,600				125
130	55.1	363.4	31,700*	60.8	372.6	30,000	64.0	376.3	25,800				130
135	53.3	359.8	30,300*	59.1	369.7	28,200	62.4	373.7	24,100				135
140	51.5	355.9	29,000*	57.4	366.5	26,500	60.8	371.0	22,600				140
145	49.7	351.7	27,800*	55.7	363.2	24,900	59.1	368.1	21,100				145
150	47.7	347.2	26,500*	53.9	359.6	23,500	57.4	364.9	19,800	62.8	370.7	13,800	150
155	45.8	342.5	25,300*	52.1	355.8	22,100	55.7	361.6	18,600	61.2	368.0	12,800	155
160	43.7	337.4	24,200*	50.3	351.7	20,800	53.9	358.0	17,400	59.6	365.1	11,800	160
165	41.6	331.9	23,100*	48.4	347.4	19,600	52.1	354.2	16,400	57.9	362.0	10,900	165
170	39.4	325.9	22,000*	46.4	342.7	18,500	50.3	350.1	15,300	56.2	358.8	10,100	170
175	37.0	319.5	21,000*	44.4	337.7	17,500	48.4	345.8	14,400	54.4	355.2	9,300	175
180	34.6	312.5	20,000*	42.3	332.4	16,500	46.4	341.1	13,500	52.6	351.5	8,600	180
185	31.9	304.7	19,100*	40.1	326.6	15,500	44.4	336.1	12,700	50.8	347.5	7,900	185
190	29.1	296.1	18,200*	37.8	320.3	14,700	42.3	330.7	11,900	48.9	343.2	7,200	190
195	25.9	286.3	17,400*	35.4	313.5	13,800	40.1	325.0	11,100	47.0	338.6	6,600	195
200	22.4	275.0	16,600*	32.8	306.0	13,000	37.8	318.7	10,400	45.0	333.7	6,000	200
205	18.1	261.1	15,700*	30.1	297.7	12,300	35.4	311.9	9,700	42.9	328.5	5,400	205
210	12.6	242.5	14,000*	27.0	288.4	11,500	32.8	304.4	9,000	40.7	322.8	4,900	210
215				23.6	277.6	10,800	30.0	296.1	8,400	38.4	316.7	4,400	215
220				19.7	264.8	10,200	27.0	286.7	7,800				220
225				14.7	248.3	9,500	23.6	276.0	7,200				225
230				6.8	221.0	8,800	19.6	263.1	6,700				230
235							14.7	246.5	6,100				235
240							6.7	219.0	5,500				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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	92,400b													65
70	39.1	253.3	92,300*	58.6	267.7	83,800b													70
75	31.9	246.0	84,400*	53.7	264.2	76,400b	63.8	269.2	69,300b										75
80	22.6	235.8	77,000*	48.3	260.0	70,200	59.1	266.3	63,600b										80
85				42.4	254.9	64,700	54.1	262.9	58,600b										85
90				35.8	248.5	59,900	48.8	258.8	54,300										90
95				27.8	240.1	55,700	43.0	253.8	50,400	61.2	263.7	41,500b							95
100				16.4	227.1	51,800	36.5	247.5	47,000	56.3	260.6	38,600b							100
105							28.6	239.3	43,900	51.2	256.8	36,000b							105
110							17.7	227.0	41,000	45.6	252.2	33,700							110
115										39.5	246.5	31,600							115
120										32.3	239.3	29,600	53.1	252.8	23,000b				120
125										23.2	229.4	27,700	47.7	248.5	21,500				125
130										4.8	207.5	25,800	41.8	243.3	20,200				130
135													35.0	236.7	18,900				135
140													26.8	228.0	17,700	49.1	242.8	12,300	140
145													14.6	214.0	16,500	43.3	237.8	11,400	145
150																36.8	231.6	10,600	150
155																29.1	223.6	9,800	155
160																18.4	211.6	9,100	160

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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	91,800b													65
70	47.4	268.1	89,300*	63.0	279.2	83,100b													70
75	42.2	262.9	83,200*	58.8	276.4	75,800b	67.3	280.3	68,500b										75
80	36.5	256.6	77,300*	54.5	272.9	69,600	63.3	277.9	62,800b										80
85	29.7	248.6	70,900*	49.9	268.9	64,200	59.2	275.0	57,900b										85
90	21.1	237.7	65,400*	45.0	264.2	59,400	54.9	271.7	53,600										90
95				39.5	258.5	55,300	50.3	267.7	49,800										95
100				33.4	251.5	51,500	45.4	263.0	46,400	61.0	272.4	37,800b							100
105				25.9	242.4	48,100	40.1	257.4	43,300	56.8	269.3	35,200							105
110				15.2	228.4	45,000	34.0	250.6	40,600	52.4	265.6	32,900							110
115							26.7	241.7	38,000	47.6	261.3	30,800							115
120							16.5	228.5	35,700	42.5	256.1	28,900							120
125										36.8	249.9	27,200	54.0	261.6	20,700				125
130										30.1	242.0	25,500	49.4	257.5	19,300				130
135										21.6	231.2	24,000	44.4	252.6	18,100				135
140										4.4	207.8	22,300	38.9	246.8	17,000				140
145													32.6	239.6	15,900	50.6	251.7	10,600	145
150													25.0	230.2	14,900	45.7	247.1	9,800	150
155													13.6	215.1	13,900	40.3	241.5	9,100	155
160																34.3	234.8	8,400	160
165																27.1	226.0	7,700	165
170																17.2	213.1	7,000	170

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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	71.3	294.9	108,600*b																45
50	67.9	293.0	103,700*b																50
55	64.4	290.7	99,100*b																55
60	60.7	288.0	94,700*																60
65	57.0	284.9	90,600*	69.6	292.5	91,100b													65
70	53.1	281.3	85,800*	66.2	290.4	82,500b													70
75	48.9	277.1	80,200*	62.6	287.9	75,300b													75
80	44.5	272.2	74,900*	58.9	285.0	69,000	66.5	289.0	62,200b										80
85	39.7	266.5	69,800*	55.1	281.7	63,700	63.0	286.5	57,300b										85
90	34.3	259.7	65,100*	51.1	277.8	59,000	59.3	283.7	53,000										90
95	27.9	251.1	60,700*	46.8	273.3	54,800	55.5	280.4	49,200										95
100	19.8	239.4	56,400*	42.2	268.1	51,100	51.5	276.6	45,800										100
105				37.1	261.9	47,800	47.2	272.1	42,800	60.9	281.0	34,600							105
110				31.4	254.3	44,800	42.7	267.0	40,100	57.2	278.0	32,300							110
115				24.3	244.5	42,000	37.6	260.9	37,600	53.3	274.4	30,200							115
120				14.3	229.6	39,400	31.9	253.5	35,400	49.1	270.2	28,300							120
125							25.1	243.9	33,300	44.7	265.4	26,600							125
130							15.5	229.8	31,300	39.9	259.8	25,000	54.7	270.3	18,700				130
135										34.5	253.0	23,500	50.6	266.4	17,500				135
140										28.3	244.5	22,200	46.3	261.8	16,400				140
145										20.3	233.0	20,800	41.7	256.5	15,300				145
150										4.1	208.1	19,400	36.5	250.2	14,400	51.7	260.6	9,100	150
155													30.7	242.4	13,500	47.4	256.2	8,400	155
160													23.5	232.2	12,600	42.9	251.1	7,800	160
165													12.7	216.2	11,700	37.9	245.0	7,100	165
170																32.2	237.7	6,500	170
175																25.5	228.3	5,900	175
180																16.1	214.5	5,300	180

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
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M-250

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	81,800*													70
75	53.8	290.0	77,100*	65.6	299.1	74,600													75
80	50.1	286.0	72,300*	62.4	296.6	68,400													80
85	46.2	281.4	67,700*	59.1	293.7	63,000	65.9	297.7	56,500										85
90	42.1	276.1	63,200*	55.6	290.4	58,300	62.7	295.2	52,200										90
95	37.5	270.0	59,100*	52.0	286.6	54,200	59.4	292.3	48,500										95
100	32.4	262.6	55,200*	48.3	282.4	50,500	55.9	289.1	45,100										100
105	26.4	253.5	51,700*	44.3	277.4	47,200	52.4	285.4	42,100										105
110	18.7	241.0	48,500*	39.9	271.8	44,300	48.6	281.1	39,400	60.8	289.7	31,500							110
115				35.1	265.1	41,600	44.6	276.3	37,000	57.5	286.6	29,400							115
120				29.7	257.0	39,100	40.3	270.7	34,800	54.0	283.1	27,600							120
125				23.0	246.5	36,800	35.6	264.1	32,700	50.3	279.1	25,800							125
130				13.5	230.7	34,600	30.2	256.2	30,800	46.4	274.6	24,300							130
135							23.7	246.0	29,100	42.3	269.3	22,800	55.2	279.0	16,600				135
140							14.7	231.0	27,400	37.7	263.2	21,500	51.6	275.2	15,500				140
145										32.7	255.9	20,200	47.8	270.9	14,500				145
150										26.8	246.9	19,000	43.8	265.9	13,600				150
155										19.2	234.7	17,900	39.4	260.1	12,700	52.6	269.4	7,500	155
160										3.8	208.4	16,700	34.6	253.3	11,900	48.8	265.2	6,900	160
165													29.0	245.0	11,100	44.8	260.3	6,300	165
170													22.2	234.2	10,300	40.6	254.8	5,700	170
175													12.0	217.2	9,500	35.8	248.3	5,200	175
180																30.5	240.4	4,600	180
185																24.1	230.4	4,100	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	81,100b													70
75	57.6	302.2	74,000*	67.9	310.0	73,900													75
80	54.4	298.8	69,700*	65.1	307.8	67,700													80
85	51.1	294.9	65,500*	62.2	305.2	62,400													85
90	47.6	290.5	61,400*	59.1	302.4	57,700	65.3	306.4	51,500										90
95	43.9	285.5	57,600*	56.0	299.1	53,600	62.4	303.9	47,800										95
100	40.0	279.8	53,900*	52.8	295.4	49,900	59.4	301.0	44,500										100
105	35.7	273.2	50,500*	49.4	291.3	46,600	56.3	297.8	41,500										105
110	30.8	265.4	47,400*	45.9	286.6	43,700	53.1	294.1	38,800										110
115	25.2	255.7	44,500*	42.1	281.3	41,000	49.7	290.1	36,400	60.8	298.4	28,700							115
120	17.8	242.5	41,900*	38.0	275.2	38,600	46.2	285.5	34,200	57.7	295.3	26,800							120
125				33.4	268.1	36,300	42.4	280.2	32,100	54.5	291.9	25,100							125
130				28.2	259.5	34,300	38.4	274.2	30,300	51.2	288.0	23,600							130
135				21.9	248.5	32,300	33.9	267.2	28,500	47.8	283.6	22,200							135
140				12.9	231.8	30,500	28.7	258.7	26,900	44.1	278.7	20,800	55.7	287.7	14,800				140
145							22.6	248.0	25,400	40.2	273.0	19,600	52.4	284.0	13,800				145
150							14.0	232.2	24,000	35.9	266.5	18,500	49.0	279.8	12,900				150
155										31.1	258.7	17,400	45.5	275.1	12,000				155
160										25.5	249.2	16,300	41.6	269.7	11,200				160
165										18.3	236.3	15,400	37.5	263.5	10,400	49.9	274.1	5,500	165
170										3.6	208.6	14,300	32.9	256.2	9,700	46.4	269.5	5,000	170
175													27.6	247.4	9,000	42.6	264.3	4,500	175
180													21.1	236.0	8,300	38.6	258.3	4,000	180
185													11.4	218.1	7,600				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

**NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	73,200										75
80	57.8	310.9	67,000*	67.3	318.8	67,000										80
85	54.9	307.5	63,200*	64.7	316.5	61,700										85
90	51.9	303.7	59,500*	62.0	313.9	57,000	67.5	317.3	50,700							90
95	48.7	299.4	56,000*	59.2	311.0	52,900	64.9	315.1	47,000							95
100	45.4	294.7	52,700*	56.4	307.8	49,300	62.2	312.5	43,700							100
105	42.0	289.3	49,500*	53.4	304.2	46,000	59.5	309.7	40,700							105
110	38.2	283.3	46,400*	50.4	300.2	43,100	56.6	306.5	38,100							110
115	34.1	276.3	43,600*	47.2	295.7	40,400	53.7	302.9	35,700							115
120	29.5	268.0	41,000*	43.8	290.7	38,000	50.7	298.9	33,500	60.7	307.0	26,000				120
125	24.1	257.8	38,600*	40.2	285.0	35,800	47.5	294.5	31,500	57.9	304.0	24,300				125
130	17.0	244.0	36,500*	36.3	278.5	33,700	44.1	289.5	29,600	55.0	300.6	22,800				130
135				31.9	271.0	31,800	40.5	283.9	27,900	52.0	296.8	21,400				135
140				27.0	261.9	30,100	36.6	277.5	26,300	48.9	292.6	20,100				140
145				21.0	250.3	28,400	32.4	270.1	24,900	45.6	287.9	18,900	56.1	296.4	12,900	145
150				12.3	232.8	26,900	27.5	261.2	23,500	42.1	282.6	17,700	53.1	292.8	12,000	150
155							21.6	249.9	22,200	38.4	276.5	16,700	50.0	288.7	11,200	155
160							13.3	233.4	20,900	34.3	269.6	15,700	46.8	284.2	10,400	160
165										29.7	261.4	14,700	43.4	279.1	9,700	165
170										24.3	251.3	13,800	39.8	273.4	8,900	170
175										17.4	237.8	13,000	35.8	266.8	8,300	175
180										3.4	208.8	12,000	31.4	259.1	7,600	180
185													26.4	249.8	7,000	185
190													20.2	237.8	6,400	190
195													10.9	219.1	5,800	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	66,600										80
85	57.9	319.6	60,900*	66.7	327.5	61,300										85
90	55.3	316.2	57,600*	64.3	325.2	56,600										90
95	52.5	312.5	54,400*	61.8	322.6	52,600	67.0	326.1	46,600							95
100	49.7	308.4	51,300*	59.3	319.7	48,900	64.5	323.8	43,300							100
105	46.7	303.8	48,300*	56.7	316.5	45,700	62.1	321.2	40,400							105
110	43.6	298.7	45,500*	54.0	312.9	42,700	59.5	318.3	37,700							110
115	40.2	293.0	42,800*	51.2	309.0	40,100	56.9	315.2	35,300							115
120	36.6	286.6	40,300*	48.2	304.7	37,700	54.2	311.7	33,100							120
125	32.7	279.2	38,000*	45.2	299.9	35,500	51.4	307.8	31,100	60.6	315.7	24,000				125
130	28.3	270.5	35,800*	42.0	294.5	33,500	48.5	303.5	29,300	58.1	312.7	22,400				130
135	23.1	259.8	33,800*	38.5	288.5	31,600	45.5	298.7	27,600	55.4	309.3	21,000				135
140	16.3	245.4	32,100*	34.8	281.7	29,900	42.3	293.4	26,100	52.7	305.6	19,700				140
145				30.6	273.7	28,300	38.8	287.5	24,600	49.8	301.5	18,500				145
150				25.9	264.2	26,800	35.1	280.7	23,300	46.8	297.0	17,400	56.4	305.1	11,700	150
155				20.1	252.0	25,300	31.0	272.8	22,000	43.7	291.9	16,400	53.7	301.6	10,800	155
160				11.8	233.8	24,000	26.3	263.5	20,800	40.4	286.3	15,400	50.9	297.6	10,000	160
165							20.7	251.7	19,700	36.8	279.9	14,500	47.9	293.2	9,300	165
170							12.8	234.4	18,600	32.9	272.5	13,600	44.9	288.4	8,600	170
175										28.5	263.9	12,800	41.6	282.9	8,000	175
180										23.3	253.4	12,000	38.1	276.8	7,300	180
185										16.7	239.2	11,200	34.3	269.9	6,800	185
190										3.2	209.1	10,400	30.1	261.8	6,200	190
195													25.3	252.0	5,600	195
200													19.4	239.5	5,100	200
205													10.5	219.9	4,500	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

NEW YORK CITY CODE
LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44 WITH HEAVY LIFT TOP
167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	65,900										80
85	60.5	331.3	58,300*	68.5	338.4	60,600										85
90	58.1	328.2	55,400*	66.3	336.2	56,000										90
95	55.6	324.9	52,500*	64.0	333.9	51,900										95
100	53.1	321.3	49,700*	61.7	331.2	48,300	66.5	334.8	42,600							100
105	50.5	317.2	47,000*	59.3	328.3	45,000	64.2	332.4	39,600							105
110	47.7	312.8	44,400*	56.9	325.2	42,100	61.9	329.8	37,000							110
115	44.9	308.0	41,900*	54.4	321.7	39,500	59.5	327.0	34,600							115
120	41.9	302.6	39,500*	51.8	317.9	37,100	57.1	323.8	32,400							120
125	38.7	296.6	37,300*	49.2	313.7	34,900	54.6	320.4	30,500	62.9	327.1	23,100				125
130	35.2	289.8	35,200*	46.4	309.0	32,900	52.1	316.6	28,600	60.6	324.3	21,600				130
135	31.4	282.0	33,200*	43.4	303.9	31,000	49.4	312.4	27,000	58.2	321.3	20,200				135
140	27.2	272.9	31,400*	40.4	298.2	29,300	46.6	307.8	25,400	55.7	318.0	19,000				140
145	22.2	261.8	29,800*	37.0	291.9	27,700	43.7	302.8	24,000	53.2	314.4	17,800				145
150	15.7	246.8	28,300*	33.4	284.7	26,200	40.6	297.2	22,600	50.6	310.4	16,700				150
155				29.5	276.3	24,800	37.4	290.9	21,400	47.9	306.0	15,600	56.6	313.8	10,000	155
160				24.9	266.4	23,500	33.8	283.7	20,200	45.0	301.1	14,700	54.1	310.3	9,200	160
165				19.3	253.7	22,300	29.9	275.5	19,100	42.0	295.8	13,800	51.5	306.4	8,500	165
170				11.3	234.8	21,100	25.4	265.7	18,100	38.8	289.8	12,900	48.9	302.2	7,800	170
175							19.9	253.4	17,100	35.4	283.1	12,100	46.1	297.5	7,200	175
180							12.3	235.5	16,100	31.6	275.4	11,300	43.1	292.4	6,600	180
185										27.4	266.3	10,600	40.0	286.6	6,000	185
190										22.5	255.3	9,900	36.7	280.2	5,500	190
195										16.1	240.6	9,200	33.0	272.8	4,900	195
200										3.1	209.3	8,500	29.0	264.3	4,400	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

NEW YORK CITY CODE

LUFFING JIB NO. 133 OR NO. 133A ON

BOOM NO. 44 WITH HEAVY LIFT TOP

167,000 LB. 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB 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	59,900										85
90	60.4	339.9	53,100*	67.9	347.1	55,300										90
95	58.2	336.9	50,600*	65.9	344.9	51,200										95
100	55.9	333.6	48,100*	63.7	342.5	47,600										100
105	53.6	330.0	45,600*	61.6	339.9	44,400	66.1	343.5	38,900							105
110	51.1	326.1	43,200*	59.4	337.0	41,500	63.9	341.1	36,300							110
115	48.6	321.8	40,900*	57.1	333.8	38,900	61.8	338.5	33,900							115
120	46.0	317.1	38,700*	54.8	330.4	36,500	59.6	335.6	31,800							120
125	43.3	312.0	36,600*	52.4	326.7	34,300	57.3	332.5	29,800							125
130	40.4	306.3	34,600*	49.9	322.6	32,300	55.0	329.1	28,000	62.7	335.8	20,900				130
135	37.3	299.9	32,800*	47.4	318.1	30,400	52.6	325.4	26,300	60.6	333.0	19,500				135
140	34.0	292.8	31,000*	44.7	313.2	28,700	50.2	321.3	24,800	58.3	330.0	18,300				140
145	30.3	284.7	29,300*	41.9	307.8	27,200	47.6	316.9	23,400	56.0	326.7	17,100				145
150	26.2	275.3	27,800*	38.9	301.8	25,700	45.0	312.0	22,000	53.7	323.1	16,000				150
155	21.4	263.7	26,400*	35.7	295.1	24,300	42.2	306.7	20,800	51.3	319.2	15,000				155
160	15.2	248.1	25,100*	32.3	287.6	23,000	39.2	300.7	19,600	48.8	314.9	14,000	56.9	322.5	8,500	160
165				28.4	278.9	21,800	36.0	294.1	18,500	46.1	310.3	13,100	54.5	319.0	7,800	165
170				24.0	268.5	20,700	32.6	286.7	17,500	43.4	305.2	12,300	52.1	315.2	7,100	170
175				18.7	255.4	19,600	28.8	278.1	16,500	40.5	299.5	11,500	49.7	311.1	6,500	175
180				10.9	235.7	18,500	24.5	267.9	15,600	37.5	293.2	10,700	47.1	306.6	5,900	180
185							19.2	255.1	14,700	34.1	286.1	10,000	44.4	301.6	5,300	185
190							11.9	236.5	13,900	30.5	278.1	9,300	41.6	296.2	4,800	190
195										26.5	268.7	8,700	38.6	290.1	4,300	195
200										21.7	257.2	8,100				200
205										15.5	241.9	7,400				205
210										3.0	209.5	6,700				210