

MANITOWOC ENGINEERING CO.

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



LIFT CRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

CAPACITIES FOR VARIOUS BOOM LENGTHS, BOOM ANGLES, LUFFING JIB LENGTHS, AND LUFFING JIB OPERATING RADIUS ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD FOR BOOM AND LUFFING JIB LENGTH COMBINATIONS THRU 245' AND NEW YORK CITY CRITERIA OF 1.4 FACTOR APPLIED TO TOTAL MACHINE MOMENT FOR BOOM AND LUFFING JIB LENGTH COMBINATIONS 255' 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 LIFT CRANE 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.

MAIN BOOM POINT MUST BE REMOVED ON 175' AND 185' BOOM LENGTHS.

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 RADIUS 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 FOLD UNDER LUFFING JIB ASSEMBLY NO. 175501, WIRE ROPE SPECIFICATION CHART NO. 7787-A, FOLD UNDER LUFFING JIB RAISING PROCEDURE CHART NO. 7711-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. LOWER BOOM AND LUFFING JIB TO GROUND WHEN WIND IS ABOVE SPEED REFERRED TO IN MAXIMUM ALLOWABLE WIND CONDITIONS CHART NO. 7785-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. 7786-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, 2' BOOM HINGE ADAPTOR, 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 - 80	60 DEGREES
90 - 120	65 DEGREES
130 - 200	70 DEGREES

WIND LIMITS DURING OPERATION					
BASED ON WIND VELOCITY MEASURED AT 100 FT. ELEVATION WITH VELOCITY FACTOR FOR SUBURBAN AREAS, CITY OUTSKIRTS, AND ROLLING TERRAIN					
25 MPH MAXIMUM WIND VELOCITY		20 MPH MAXIMUM WIND VELOCITY		15 MPH MAXIMUM WIND VELOCITY	
BOOM LENGTH	LUFFING JIB LENGTH	BOOM LENGTH	LUFFING JIB LENGTH	BOOM LENGTH	LUFFING JIB LENGTH
FEET	FEET	FEET	FEET	FEET	FEET
85 - 95	70 - 160	85 - 95	170 - 200	105 - 115	200
105 - 115	70 - 140	105 - 115	150 - 190	125 - 135	180 - 200
125 - 135	70 - 130	125 - 135	140 - 170	145 - 155	160 - 200
145 - 155	70 - 120	145 - 155	130 - 150	165 - 175	150 - 200
165 - 175	70 - 100	165 - 175	110 - 140	185	140 - 150
185	70 - 100	185	110 - 130		

CONSULT CHART NO. 7783-A FOR LIFTING OFF MAIN BOOM POINT WITH LUFFING JIB ATTACHED.

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M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

85 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	67.2	162.7	128,700*b																			45
50	62.6	160.3	118,900*b																			50
55	57.9	157.3	108,200*b	65.1	160.4	122,000*b																55
60	52.8	153.7	99,400*	60.5	157.7	114,300*b	64.7	159.2	118,400b													60
65	47.4	149.4	92,200*	55.6	154.5	107,500*b	60.0	156.4	106,700b													65
70	41.5	144.1	86,100*	50.4	150.6	99,200	55.1	153.1	97,000	62.4	155.5	93,200b										70
75	34.7	137.4	81,100*	44.7	145.8	90,900	49.9	149.1	88,800	57.6	152.5	85,400b										75
80	26.3	128.6	77,000*	38.5	140.0	83,700	44.2	144.3	81,800	52.5	148.9	78,600										80
85	13.7	114.0	72,400*	31.1	132.5	77,400	37.8	138.3	75,700	47.1	144.5	72,800	54.8	147.7	69,900							85
90				21.5	121.9	71,900	30.3	130.7	70,400	41.1	139.2	67,700	49.5	143.6	65,000							90
95							20.4	119.6	65,600	34.2	132.4	63,200	43.8	138.7	60,700	51.6	141.7	58,200				95
100										25.7	123.4	59,100	37.4	132.7	56,800	46.1	137.2	54,500				100
105										12.5	108.0	55,400	29.8	124.8	53,300	40.0	131.7	51,200	47.9	134.6	49,100	105
110													19.5	113.4	50,100	32.9	124.6	48,200	42.0	129.4	46,200	110
115																24.0	115.0	45,400	35.3	122.9	43,600	115
120																8.2	96.4	42,700	27.2	114.4	41,100	120
125																			15.3	100.7	38,900	125

85 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	70.2	173.5	125,400*b																			45
50	66.3	171.4	117,000*b																			50
55	62.3	168.9	108,100*b	68.4	171.4	118,900*b																55
60	58.1	166.0	99,100*	64.5	169.1	111,300*b	64.1	167.8	106,200b													60
65	53.8	162.5	91,500*	60.4	166.4	104,700*	60.0	165.1	96,600													65
70	49.1	158.4	85,100*	56.2	163.2	98,900*	55.8	161.8	88,400	62.1	164.2	84,900b										70
75	44.1	153.5	79,900*	51.7	159.4	90,500	51.3	158.0	81,400	57.9	161.2	78,100										75
80	38.6	147.6	75,400*	46.9	155.0	83,400	46.4	153.5	75,400	53.5	157.7	72,300										80
85	32.3	140.4	71,500*	41.7	149.7	77,200	41.2	148.1	70,100	48.8	153.5	67,200	55.5	156.4	64,500							85
90	24.5	130.7	66,900*	35.8	143.3	71,700	35.3	141.5	65,400	43.8	148.6	62,800	50.9	152.5	60,200							90
95	12.7	115.1	61,900*	29.0	135.1	66,900	28.3	133.2	61,200	38.3	142.7	58,800	46.1	148.0	56,300	52.7	150.6	53,900				95
100				20.0	123.6	62,600	19.0	121.2	57,400	31.9	135.3	55,200	40.8	142.5	52,900	48.0	146.3	50,600	44.6	138.8	43,000	100
105										24.0	125.5	51,900	34.8	135.8	49,800	42.9	141.2	47,700	39.1	133.0	40,700	105
110										11.6	109.0	48,800	27.7	127.3	46,900	37.2	135.1	45,000	32.9	125.9	38,500	110
115																30.7	127.4	42,500	25.3	116.6	36,500	115
120																7.6	97.0	38,000	14.2	101.9	34,600	120
125																						125
130																						130
135																						135

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**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

85 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS		
45	72.5	184.1	122,300* ^b																			45	
50	69.1	182.3	114,300* ^b																			50	
55	65.6	180.1	107,300* ^b	70.9	182.1	116,300* ^b																55	
60	62.1	177.6	99,300* ^b	67.5	180.1	108,900* ^b																60	
65	58.4	174.6	91,500* ^b	64.0	177.8	102,300* ^b	67.2	178.9	105,800 ^b													65	
70	54.5	171.2	84,900* ^b	60.4	175.1	96,600* ^b	63.7	176.5	96,200													70	
75	50.4	167.3	79,300* ^b	56.6	171.9	90,200	60.0	173.7	88,000													75	
80	46.1	162.7	74,600* ^b	52.7	168.2	83,100	56.3	170.5	81,100	61.8	172.9	77,700										80	
85	41.4	157.3	70,500* ^b	48.5	164.0	76,900	52.3	166.8	75,000	58.1	169.9	71,900										85	
90	36.3	150.9	67,000* ^b	44.0	159.1	71,500	48.1	162.5	69,800	54.3	166.4	66,900										90	
95	30.4	143.1	62,000* ^b	39.1	153.3	66,700	43.6	157.5	65,100	50.2	162.4	62,400	56.0	165.1	59,700								95
100	23.1	132.8	57,600* ^b	33.7	146.3	62,500	38.7	151.7	61,000	45.8	157.8	58,400	52.0	161.4	55,900								100
105	12.0	116.1	53,600* ^b	27.2	137.5	58,700	33.1	144.5	57,200	41.1	152.4	54,900	47.8	157.0	52,500								105
110				18.8	125.2	55,200	26.6	135.5	53,900	35.9	145.9	51,700	43.3	152.0	49,400	49.5	155.2	47,300					110
115							17.8	122.8	50,800	30.0	138.0	48,700	38.3	146.0	46,700	45.1	150.5	44,600					115
120										22.5	127.4	46,100	32.7	138.8	44,100	40.3	144.9	42,200	46.5	148.0	40,300		120
125										10.9	109.9	43,500	26.1	129.6	41,800	35.0	138.2	39,900	41.9	142.7	38,100		125
130													17.1	116.4	39,600	28.8	129.9	37,900	36.8	136.4	36,200		130
135																21.0	118.8	35,900	30.9	128.7	34,300		135
140																7.1	97.5	34,000	23.8	118.7	32,600		140
145																			13.4	103.1	31,000		145

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**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

85 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	74.3	194.6	119,100* ^b																			45
50	71.3	193.0	111,400* ^b																			50
55	68.2	191.1	104,500*																			55
60	65.1	188.8	98,500*	69.9	190.9	106,100* ^b																60
65	61.9	186.3	91,500*	66.8	188.9	99,800*																65
70	58.5	183.3	84,700*	63.6	186.5	94,100*	66.5	187.6	95,700													70
75	55.1	179.9	78,900*	60.3	183.7	89,200*	63.3	185.2	87,600													75
80	51.5	176.1	74,000*	56.9	180.6	82,700	60.0	182.4	80,600													80
85	47.7	171.7	69,800*	53.4	177.0	76,500	56.6	179.2	74,600	61.6	181.5	71,400										85
90	43.6	166.7	66,100*	49.7	172.9	71,100	53.1	175.6	69,300	58.3	178.6	66,400										90
95	39.2	160.9	61,800*	45.8	168.3	66,300	49.4	171.5	64,700	54.9	175.2	61,900										95
100	34.3	154.0	57,400*	41.6	162.9	62,100	45.5	166.8	60,600	51.2	171.3	57,900	56.4	173.8	55,400							100
105	28.7	145.6	53,400*	37.0	156.7	58,300	41.2	161.3	56,900	47.4	166.9	54,400	52.9	170.2	52,000							105
110	21.8	134.7	49,900*	31.9	149.2	54,900	36.6	155.0	53,500	43.3	161.8	51,200	49.1	166.0	48,900							110
115	11.3	117.0	46,700*	25.8	139.8	51,800	31.4	147.4	50,500	38.9	155.9	48,300	45.2	161.2	46,100	50.6	164.1	44,000				115
120				17.8	126.8	48,500*	25.1	137.7	47,700	34.0	149.0	45,700	40.9	155.7	43,600	46.7	159.6	41,600				120
125							16.9	124.2	45,200	28.3	140.5	43,300	36.3	149.3	41,300	42.6	154.4	39,400	48.0	157.0	37,500	125
130										21.3	129.3	41,000	31.0	141.6	39,200	38.1	148.4	37,400	44.0	152.0	35,600	130
135										10.3	110.7	38,900	24.7	131.8	37,200	33.1	141.2	35,500	39.6	146.3	33,800	135
140													16.2	117.8	35,300	27.3	132.4	33,700	34.8	139.5	32,100	140
145																19.9	120.5	32,100	29.3	131.3	30,600	145
150																6.7	98.1	30,400	22.5	120.7	29,100	150
155																			12.6	104.1	27,700	155

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FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

85 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
45	75.8	205.0	115,400* ^b																			45
50	73.0	203.5	108,200* ^b																			50
55	70.3	201.8	101,700*																			55
60	67.5	199.8	96,000*																			60
65	64.6	197.5	90,800*	69.0	199.7	97,200*																65
70	61.7	194.9	86,100*	66.2	197.6	91,900*																70
75	58.7	192.0	80,300*	63.3	195.1	87,000*	65.9	196.3	87,100													75
80	55.5	188.7	75,100*	60.3	192.4	82,200	63.0	193.9	80,100													80
85	52.3	184.9	70,600*	57.2	189.3	76,100	60.0	191.1	74,100													85
90	48.9	180.7	66,700*	54.1	185.8	70,700	57.0	187.9	68,900	61.5	190.2	65,900										90
95	45.3	176.0	63,200*	50.7	181.8	65,900	53.8	184.4	64,200	58.5	187.2	61,400										95
100	41.4	170.5	58,900*	47.2	177.4	61,700	50.4	180.4	60,100	55.3	183.9	57,500										100
105	37.3	164.3	54,900*	43.5	172.3	58,000	46.9	175.9	56,400	52.1	180.1	53,900	56.7	182.5	51,500							105
110	32.6	157.0	51,300*	39.6	166.5	54,600	43.2	170.8	53,100	48.7	175.9	50,800	53.5	178.9	48,400							110
115	27.3	148.1	48,000*	35.2	159.8	51,500	39.2	164.9	50,100	45.1	171.1	47,900	50.2	174.9	45,700							115
120	20.8	136.5	45,100*	30.3	151.9	48,700	34.8	158.1	47,400	41.2	165.6	45,300	46.7	170.4	43,200	51.5	173.0	41,100				120
125	10.7	117.9	40,800*	24.5	141.9	46,100	29.8	150.0	44,900	37.0	159.3	42,900	42.9	165.2	40,900	48.1	168.6	38,900				125
130				16.9	128.2	43,700	23.9	139.9	42,600	32.3	151.9	40,700	38.9	159.3	38,800	44.4	163.7	36,900				130
135							16.0	125.6	40,400	27.0	142.9	38,600	34.5	152.4	36,800	40.5	158.1	35,100	45.6	161.2	33,300	135
140										20.3	131.1	36,700	29.5	144.2	35,000	36.3	151.7	33,300	41.8	155.9	31,700	140
145										9.8	111.5	34,900	23.5	133.9	33,300	31.5	144.0	31,700	37.7	149.7	30,200	145
150													15.4	119.1	31,700	26.0	134.7	30,200	33.1	142.5	28,700	150
155																18.9	122.1	28,800	27.8	133.8	27,400	155
160																6.4	98.6	27,400	21.4	122.5	26,100	160
165																			12.0	105.1	24,900	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

85 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	74.5	214.0	105,200*																			50
55	72.0	212.4	99,000*																			55
60	69.5	210.6	93,500*																			60
65	66.9	208.6	88,500*	70.8	210.4	94,700*																65
70	64.2	206.2	84,000*	68.3	208.5	89,600*																70
75	61.5	203.6	79,900*	65.7	206.3	84,900*																75
80	58.8	200.6	75,100*	63.0	203.8	80,600*	65.4	205.0	79,600													80
85	55.9	197.4	70,400*	60.3	201.0	75,600	62.8	202.5	73,600													85
90	53.0	193.7	66,300*	57.5	198.0	70,300	60.0	199.7	68,400													90
95	49.9	189.6	62,800*	54.6	194.5	65,500	57.2	196.6	63,800	61.4	198.9	60,900										95
100	46.6	185.1	58,500*	51.6	190.7	61,300	54.3	193.1	59,700	58.6	195.9	57,000										100
105	43.2	180.0	54,500*	48.4	186.4	57,600	51.3	189.2	56,000	55.7	192.6	53,500										105
110	39.6	174.2	50,800*	45.1	181.6	54,200	48.1	184.9	52,700	52.8	188.9	50,300	57.0	191.2	47,900							110
115	35.6	167.5	47,600*	41.6	176.1	51,100	44.8	180.1	49,700	49.7	184.8	47,400	54.1	187.7	45,200							115
120	31.2	159.8	44,700*	37.8	170.0	48,300	41.3	174.6	47,000	46.4	180.2	44,800	51.1	183.8	42,700							120
125	26.1	150.4	42,000*	33.6	162.9	45,800	37.4	168.3	44,500	43.0	175.1	42,400	47.9	179.4	40,400	52.3	181.8	38,400				125
130	19.8	138.2	39,600*	29.0	154.4	43,400	33.2	161.1	42,200	39.3	169.2	40,200	44.6	174.5	38,300	49.1	177.6	36,400				130
135	10.2	118.8	35,900*	23.4	144.0	40,900*	28.5	152.6	40,100	35.4	162.5	38,200	41.0	169.0	36,400	45.9	172.9	34,500				135
140				16.2	129.6	38,500*	22.9	141.9	38,100	30.9	154.7	36,400	37.2	162.7	34,600	42.4	167.7	32,800	46.9	170.3	31,100	140
145							15.3	126.9	36,300	25.8	145.2	34,600	32.9	155.4	32,900	38.7	161.7	31,200	43.5	165.3	29,600	145
150										19.4	132.8	33,000	28.2	146.7	31,400	34.6	154.8	29,800	39.9	159.5	28,200	150
155										9.3	112.3	31,400	22.4	135.8	29,900	30.1	146.7	28,400	36.0	153.0	26,900	155
160													14.7	120.4	28,500	24.8	136.9	27,100	31.6	145.3	25,600	160
165																18.1	123.7	25,800	26.6	136.1	24,500	165
170																6.1	99.0	24,600	20.5	124.3	23,400	170
175																			11.5	106.1	22,300	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

85 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	75.7	224.4	102,400*																			50
55	73.4	222.9	96,600*																			55
60	71.1	221.3	91,300*																			60
65	68.8	219.4	86,500*																			65
70	66.4	217.3	82,100*	70.0	219.2	87,500*																70
75	63.9	214.9	78,100*	67.7	217.2	83,000*																75
80	61.4	212.2	74,500*	65.2	215.0	78,900*	67.4	216.0	79,400													80
85	58.9	209.3	70,600*	62.8	212.5	75,200*	65.0	213.7	73,400													85
90	56.2	206.1	66,400*	60.3	209.7	70,000	62.6	211.2	68,200													90
95	53.5	202.5	62,700*	57.7	206.6	65,300	60.0	208.4	63,500													95
100	50.7	198.5	58,400*	55.0	203.2	61,100	57.4	205.3	59,400	61.3	207.5	56,700										100
105	47.8	194.1	54,300*	52.2	199.5	57,400	54.8	201.9	55,800	58.7	204.6	53,200										105
110	44.7	189.2	50,700*	49.4	195.3	54,000	52.0	198.1	52,500	56.1	201.3	50,100										110
115	41.4	183.8	47,500*	46.4	190.7	50,900	49.1	193.9	49,500	53.4	197.7	47,200	57.3	199.9	44,900							115
120	37.9	177.6	44,500*	43.2	185.6	48,100	46.1	189.2	46,800	50.5	193.7	44,600	54.6	196.4	42,400							120
125	34.1	170.6	41,900*	39.9	179.8	45,600	42.9	184.0	44,300	47.6	189.3	42,200	51.8	192.6	40,200							125
130	29.9	162.4	39,400*	36.2	173.3	43,300	39.5	178.2	42,100	44.5	184.3	40,100	48.9	188.4	38,100	52.9	190.6	36,200				130
135	25.1	152.6	37,200*	32.3	165.8	40,800*	35.9	171.6	40,000	41.2	178.8	38,100	45.9	183.7	36,200	50.0	186.5	34,300				135
140	19.0	139.9	35,200*	27.8	156.9	38,400*	31.9	164.0	38,000	37.7	172.6	36,200	42.7	178.4	34,400	47.1	182.0	32,600				140
145	9.8	119.6	32,000*	22.5	146.0	36,300*	27.3	155.0	36,200	33.9	165.6	34,500	39.3	172.6	32,700	44.0	177.0	31,000				145
150				15.5	131.0	34,300*	21.9	143.8	34,500	29.6	157.3	32,900	35.6	165.9	31,200	40.7	171.4	29,600	45.0	174.5	28,000	150
155							14.7	128.2	32,900	24.7	147.3	31,400	31.6	158.2	29,800	37.1	165.1	28,200	41.7	169.1	26,700	155
160										18.6	134.4	29,900	27.0	149.1	28,400	33.2	157.8	26,900	38.3	163.0	25,500	160
165										8.9	113.1	28,500	21.5	137.7	27,200	28.9	149.3	25,700	34.5	156.1	24,300	165
170													14.1	121.6	25,900	23.8	138.9	24,600	30.3	148.1	23,200	170
175																17.4	125.2	23,500	25.5	138.4	22,200	175
180																5.8	99.5	22,400	19.6	126.0	21,200	180
185																			11.0	107.0	20,300	185

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

85 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	74.6	233.4	93,800*																			55
60	72.5	231.8	88,700*																			60
65	70.3	230.1	84,200*																			65
70	68.1	228.2	80,000*																			70
75	65.9	226.0	76,100*	69.3	228.0	80,800*																75
80	63.6	223.6	72,600*	67.1	226.0	76,900*																80
85	61.3	220.9	69,300*	64.9	223.7	73,300*	66.9	224.7	72,900													85
90	59.0	218.0	66,300*	62.6	221.2	69,600	64.7	222.4	67,700													90
95	56.5	214.8	62,600*	60.2	218.4	64,900	62.4	219.9	63,100													95
100	54.0	211.2	57,900*	57.8	215.3	60,700	60.0	217.0	59,000													100
105	51.4	207.3	53,900*	55.4	211.9	56,900	57.6	214.0	55,300	61.2	216.2	52,700										105
110	48.7	203.1	50,200*	52.8	208.2	53,600	55.1	210.6	52,100	58.8	213.2	49,600										110
115	45.9	198.4	47,000*	50.2	204.2	50,500	52.6	206.8	49,100	56.4	210.0	46,700										115
120	43.0	193.2	44,100*	47.5	199.7	47,700	50.0	202.8	46,400	53.9	206.4	44,100	57.5	208.5	41,900							120
125	39.8	187.4	41,400*	44.6	194.8	45,200	47.2	198.3	43,900	51.3	202.5	41,800	55.0	205.1	39,600							125
130	36.5	180.9	39,000*	41.6	189.4	42,800*	44.3	193.3	41,700	48.6	198.2	39,600	52.4	201.4	37,600							130
135	32.8	173.6	36,800*	38.3	183.3	40,300*	41.3	187.8	39,600	45.7	193.5	37,600	49.8	197.3	35,700							135
140	28.8	165.0	34,700*	34.9	176.4	38,000*	38.0	181.7	37,600	42.8	188.3	35,800	47.0	192.7	33,900	50.8	195.4	32,100				140
145	24.1	154.7	32,800*	31.0	168.6	35,800*	34.5	174.7	35,900	39.6	182.5	34,000	44.1	187.7	32,300	48.1	191.0	30,500				145
150	18.3	141.5	31,100*	26.7	159.3	33,900*	30.7	166.7	34,200	36.3	175.9	32,500	41.1	182.2	30,700	45.3	186.2	29,100				150
155	9.4	120.4	28,400*	21.6	147.9	32,100*	26.3	157.3	32,600	32.6	168.5	31,000	37.8	176.0	29,300	42.3	180.9	27,700	46.2	183.7	26,200	155
160				14.9	132.2	30,400*	21.1	145.6	31,200	28.5	159.9	29,600	34.3	169.0	28,000	39.1	175.0	26,400	43.2	178.5	25,000	160
165							14.1	129.4	29,800	23.8	149.4	28,300	30.4	160.9	26,700	35.7	168.3	25,300	40.1	172.8	23,800	165
170										17.9	135.9	27,000	26.0	151.4	25,600	32.0	160.7	24,100	36.8	166.4	22,700	170
175										8.6	113.8	25,800	20.7	139.5	24,400	27.8	151.8	23,100	33.2	159.1	21,700	175
180													13.6	122.8	23,400	22.9	141.0	22,100	29.2	150.7	20,800	180
185																16.7	126.7	21,100	24.6	140.6	19,900	185
190																5.6	99.9	20,100	18.9	127.7	19,000	190
195																			10.6	107.9	18,100	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

85 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	75.7	243.7	91,300*																			55
60	73.7	242.3	85,800*																			60
65	71.7	240.7	81,500*																			65
70	69.7	238.9	77,600*																			70
75	67.6	236.9	73,900*	70.8	238.7	78,400*																75
80	65.5	234.7	70,600*	68.7	236.8	74,600*																80
85	63.4	232.2	67,500*	66.7	234.7	71,200*																85
90	61.2	229.6	64,600*	64.6	232.4	68,000*	66.5	233.4	67,200													90
95	59.0	226.6	61,900*	62.4	229.8	64,400	64.4	231.1	62,600													95
100	56.8	223.4	59,000*	60.2	227.0	60,200	62.2	228.5	58,500													100
105	54.4	220.0	54,800*	58.0	224.0	56,500	60.0	225.7	54,900													105
110	52.0	216.2	51,000*	55.7	220.6	53,100	57.8	222.6	51,600	61.1	224.8	49,100										110
115	49.5	212.0	47,700*	53.3	217.0	50,100	55.5	219.3	48,600	58.9	221.9	46,200										115
120	47.0	207.5	44,700*	50.9	213.1	47,300	53.1	215.6	45,900	56.6	218.7	43,700										120
125	44.3	202.5	42,000*	48.4	208.7	44,800	50.7	211.6	43,500	54.3	215.2	41,300										125
130	41.4	197.0	39,500*	45.7	204.0	42,500	48.1	207.3	41,200	51.9	211.3	39,100	57.6	217.2	39,200							130
135	38.4	190.9	37,200*	43.0	198.8	40,400	45.5	202.5	39,100	49.4	207.2	37,200	55.3	213.8	37,100							135
140	35.2	184.1	35,100*	40.1	193.0	38,400	42.7	197.2	37,200	46.8	202.6	35,300	53.0	210.2	35,200							140
145	31.7	176.4	33,000*	37.0	186.7	36,300*	39.8	191.4	35,500	44.1	197.6	33,600	50.5	206.1	33,400							145
150	27.8	167.5	31,100*	33.6	179.5	34,200*	36.7	185.0	33,800	41.3	192.1	32,000	48.0	201.8	31,800	51.5	204.2	30,000				150
155	23.3	156.8	29,300*	29.9	171.2	32,200*	33.3	177.7	32,300	38.2	186.0	30,600	45.3	196.9	30,300	49.0	200.0	28,600				155
160	17.7	143.0	27,500*	25.8	161.6	30,400*	29.6	169.4	30,800	35.0	179.1	29,200	42.5	191.7	28,900	46.4	195.3	27,300				160
165	9.1	121.2	24,400*	20.9	149.7	28,600*	25.4	159.6	29,400	31.5	171.3	27,900	39.6	185.8	27,600	43.6	190.2	26,000	47.2	192.7	24,500	165
170				20.4	147.4	28,200	20.4	147.4	28,200	27.5	162.3	26,600	36.5	179.3	26,300	40.8	184.6	24,800	44.5	187.8	23,300	170
175				13.6	130.6	26,800*	23.0	151.5	25,500	23.0	151.5	25,500	33.1	172.0	25,200	37.7	178.4	23,700	41.7	182.3	22,300	175
180										17.3	137.4	24,400	29.3	163.6	24,100	34.4	171.4	22,600	38.7	176.3	21,300	180
185										8.3	114.5	23,300	25.1	153.6	23,000	30.8	163.4	21,700	35.5	169.6	20,300	185
190													20.0	141.3	22,000	26.8	154.2	20,700	32.0	162.0	19,400	190
195													13.1	123.9	21,000	22.1	142.9	19,800	28.2	153.2	18,600	195
200																16.1	128.1	18,900	23.7	142.7	17,800	200
205																5.3	100.4	18,100	18.2	129.3	17,000	205
																			10.2	108.8	16,200	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

85 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	74.8	252.7	82,600*																			60
65	72.9	251.2	78,000*																			65
70	71.0	249.6	75,400*																			70
75	69.1	247.7	71,900*																			75
80	67.2	245.6	68,700*	70.1	247.5	72,500*																80
85	65.2	243.4	65,700*	68.2	245.6	69,300*																85
90	63.2	240.9	62,900*	66.2	243.4	66,200*	68.0	244.3	66,700													90
95	61.2	238.2	60,300*	64.3	241.1	63,400*	66.1	242.1	62,100													95
100	59.1	235.3	57,900*	62.3	238.5	59,800	64.1	239.8	58,100													100
105	57.0	232.1	54,200*	60.2	235.7	56,100	62.1	237.2	54,400													105
110	54.8	228.7	50,500*	58.1	232.6	52,700	60.0	234.4	51,100													110
115	52.6	224.9	47,200*	56.0	229.3	49,700	57.9	231.3	48,200	61.0	233.5	45,700										115
120	50.2	220.9	44,200*	53.8	225.8	46,900	55.8	228.0	45,500	59.0	230.6	43,200										120
125	47.9	216.5	41,400*	51.5	221.9	44,400	53.6	224.4	43,000	56.8	227.4	40,800										125
130	45.4	211.7	38,900*	49.2	217.7	42,100	51.3	220.5	40,800	54.7	223.9	38,700										130
135	42.8	206.4	36,700*	46.7	213.1	39,900	48.9	216.2	38,700	52.4	220.1	36,700	57.8	225.9	36,600							135
140	40.0	200.7	34,600*	44.2	208.1	37,900*	46.5	211.6	36,800	50.1	216.1	34,800	55.6	222.5	34,700							140
145	37.1	194.3	32,700*	41.5	202.6	35,700*	44.0	206.6	35,000	47.7	211.6	33,100	53.4	218.9	32,900							145
150	34.0	187.2	30,900*	38.7	196.6	33,700*	41.3	201.0	33,400	45.2	206.8	31,600	51.1	215.0	31,300							150
155	30.6	179.1	29,100*	35.7	189.9	31,900*	41.3	201.0	33,400	45.2	206.8	31,600	48.8	210.7	29,800	52.0	213.0	28,100				155
160	26.9	169.9	27,400*	32.5	182.4	30,100*	38.5	195.0	31,800	42.6	201.5	30,100	46.3	206.1	28,400	49.7	208.9	26,700				160
165	22.5	158.7	25,800*	29.0	173.8	28,400*	35.5	188.2	30,400	39.9	195.7	28,700	43.8	201.0	27,100	47.3	204.4	25,500				165
170	17.1	144.5	24,300*	24.9	163.8	26,800*	32.2	180.6	29,100	37.0	189.3	27,400	41.1	195.4	25,800	44.8	199.5	24,300				170
175	8.8	121.9	21,500*	20.2	151.5	25,200*	28.6	171.9	27,800	33.8	182.2	26,200	38.3	189.3	24,700	42.2	194.1	23,200	45.6	197.0	21,800	175
180				13.9	134.7	23,700*	24.6	161.7	26,600	30.4	174.0	25,100	35.3	182.5	23,600	39.4	188.2	22,200	43.0	191.7	20,800	180
185							19.7	149.1	25,200*	26.6	164.7	24,000	32.0	174.9	22,600	36.5	181.7	21,200	40.3	186.0	19,800	185
190							13.2	131.7	23,600*	22.2	153.4	23,000	28.4	166.1	21,600	33.3	174.4	20,200	37.4	179.7	18,900	190
195										16.7	138.9	22,000	24.3	155.8	20,700	29.8	166.1	19,400	34.3	172.7	18,100	195
200										8.0	115.1	21,000	19.3	143.0	19,800	25.9	156.5	18,500	31.0	164.7	17,300	200
205													12.6	125.0	18,900	21.4	144.8	17,700	27.2	155.6	16,500	205
210																15.6	129.4	16,900	22.9	144.7	15,800	210
215																5.2	100.8	16,100	17.6	130.8	15,100	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

85 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	75.7	263.1	76,700*																			60
65	73.9	261.7	73,900*																			65
70	72.2	260.1	71,000*																			70
75	70.4	258.4	68,300*																			75
80	68.6	256.5	67,000*																			80
85	66.7	254.4	64,100*	69.5	256.3	65,500																85
90	64.9	252.1	61,400*	67.7	254.3	60,500																90
95	63.0	249.6	58,900*	65.9	252.1	56,000	67.6	253.1	53,600													95
100	61.1	246.9	55,900	64.0	249.7	52,100	65.7	250.9	49,800													100
105	59.1	244.0	52,200	62.1	247.1	48,600	63.9	248.5	46,400													105
110	57.1	240.8	48,800	60.2	244.3	45,400	62.0	245.9	43,300													110
115	55.1	237.4	45,800	58.2	241.3	42,500	60.0	243.0	40,600	62.9	244.9	37,400										115
120	53.0	233.7	43,100	56.2	238.0	39,900	58.0	240.0	38,100	61.0	242.2	35,000										120
125	50.9	229.7	40,500	54.1	234.5	37,600	56.0	236.7	35,800	59.0	239.2	32,800										125
130	48.6	225.4	38,200	52.0	230.7	35,400	54.0	233.1	33,700	57.0	236.0	30,900										130
135	46.3	220.8	36,100	49.8	226.6	33,400	51.8	229.3	31,700	55.0	232.6	29,000	57.9	234.6	26,400							135
140	43.9	215.7	34,200	47.6	222.1	31,500	49.6	225.1	30,000	52.9	228.9	27,400	55.9	231.2	24,800							140
145	41.4	210.2	32,300	45.2	217.3	29,800	47.4	220.6	28,300	50.7	224.9	25,800	53.8	227.7	23,400							145
150	38.8	204.2	30,600*	42.8	212.0	28,200	45.0	215.8	26,800	48.5	220.6	24,400	51.7	223.8	22,000							150
155	36.0	197.5	29,000*	40.2	206.3	26,700	42.6	210.5	25,300	46.2	215.9	23,000	49.5	219.6	20,700	52.5	221.8	18,500				155
160	33.0	190.1	27,300*	37.5	200.0	25,300	40.0	204.7	24,000	43.8	210.8	21,800	47.2	215.1	19,600	50.4	217.7	17,400				160
165	29.7	181.8	25,800*	34.6	193.0	24,000	37.3	198.3	22,700	41.3	205.3	20,600	44.9	210.2	18,500	48.1	213.4	16,400				165
170	26.0	172.2	24,400*	31.5	185.2	22,800	34.4	191.3	21,500	38.6	199.2	19,500	42.4	204.9	17,400	45.8	208.6	15,400				170
175	21.8	160.7	23,000*	28.1	176.3	21,600	31.2	183.4	20,400	35.8	192.6	18,400	39.8	199.1	16,400	43.4	203.5	14,500	46.5	206.1	12,600	175
180	16.6	145.9	21,600*	24.2	165.9	20,500	27.7	174.4	19,400	32.8	185.1	17,400	37.1	192.7	15,500	40.8	197.9	13,600	44.2	201.0	11,800	180
185	8.5	122.6	19,100*	19.6	153.2	19,500	23.8	163.8	18,400	29.5	176.7	16,500	34.2	185.6	14,600	38.2	191.7	12,800	41.7	195.6	11,100	185
190				13.5	135.8	18,500	19.1	150.8	17,400	25.8	167.0	15,600	31.0	177.6	13,800	35.3	184.9	12,000	39.0	189.6	10,400	190
195							12.8	132.8	16,500	21.5	155.3	14,700	27.5	168.5	13,000	32.2	177.3	11,300	36.2	183.0	9,700	195
200										16.2	140.3	13,900	23.5	157.8	12,200	28.9	168.7	10,600	33.3	175.7	9,000	200
205										7.7	115.8	13,100	18.7	144.6	11,500	25.1	158.7	9,900	30.0	167.4	8,400	205
210													12.2	126.0	10,800	20.7	146.6	9,300	26.4	157.9	7,800	210
215																15.1	130.7	8,600	22.2	146.6	7,200	215
220																5.0	101.2	7,900	17.1	132.3	6,600	220
225																			9.5	110.4	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

85 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	74.8	272.1	69,900*																			65
70	73.2	270.6	67,600*																			70
75	71.5	269.0	65,300*																			75
80	69.8	267.2	63,500*																			80
85	68.1	265.2	61,200*	70.7	267.0	62,700*																85
90	66.4	263.1	59,900*	69.0	265.1	59,900																90
95	64.6	260.8	57,300*	67.3	263.0	55,400																95
100	62.8	258.3	55,000*	65.6	260.8	51,500	67.2	261.8	49,200													100
105	61.0	255.6	51,700	63.8	258.4	48,000	65.4	259.6	45,800													105
110	59.2	252.6	48,300	62.0	255.8	44,800	63.6	257.1	42,700													110
115	57.3	249.5	45,300	60.2	253.0	42,000	61.8	254.5	40,000													115
120	55.4	246.1	42,500	58.3	250.0	39,400	60.0	251.7	37,500	62.7	253.5	34,300										120
125	53.4	242.5	40,000	56.4	246.7	37,000	58.2	248.6	35,200	60.9	250.8	32,200										125
130	51.4	238.6	37,700	54.5	243.2	34,800	56.3	245.4	33,100	59.1	247.9	30,200										130
135	49.3	234.4	35,600	52.5	239.5	32,800	54.3	241.9	31,100	57.2	244.7	28,400										135
140	47.2	229.8	33,600	50.4	235.4	31,000	52.3	238.1	29,400	55.3	241.3	26,700	58.0	243.2	24,100							140
145	44.9	224.9	31,800	48.3	231.1	29,300	50.3	234.0	27,700	53.3	237.7	25,200	56.1	239.9	22,700							145
150	42.6	219.7	30,100*	46.2	226.4	27,700	48.1	229.6	26,200	51.3	233.8	23,700	54.2	236.4	21,300							150
155	40.2	213.9	28,400*	43.9	221.3	26,200	46.0	224.9	24,800	49.2	229.5	22,400	52.2	232.6	20,100							155
160	37.6	207.6	26,900*	41.5	215.8	24,800	43.7	219.8	23,400	47.0	225.0	21,100	50.1	228.5	18,900	53.0	230.6	16,700				160
165	34.9	200.7	25,500*	39.0	209.8	23,500	41.3	214.3	22,200	44.8	220.1	20,000	48.0	224.1	17,800	50.9	226.6	15,700				165
170	32.0	193.0	24,100*	36.4	203.3	22,300	38.8	208.2	21,000	42.5	214.7	18,900	45.8	219.4	16,800	48.8	222.3	14,700				170
175	28.8	184.4	22,700*	33.6	196.0	21,100	36.2	201.6	19,900	40.0	209.0	17,800	43.5	214.2	15,800	46.7	217.7	13,800				175
180	25.3	174.4	21,400*	30.6	187.9	20,000	33.3	194.3	18,800	37.5	202.6	16,800	41.1	208.7	14,900	44.4	212.7	13,000	47.4	215.1	11,100	180
185	21.2	162.5	20,200*	27.2	178.7	19,000	30.3	186.1	17,800	34.8	195.7	15,900	38.6	202.6	14,000	42.1	207.3	12,200	45.1	210.2	10,400	185
190	16.1	147.3	19,000*	23.5	168.0	18,000	26.9	176.8	16,900	31.8	188.0	15,000	36.0	195.9	13,200	39.6	201.5	11,400	42.8	205.0	9,700	190
195	8.3	123.3	16,800*	19.0	154.8	17,100	23.1	165.9	16,000	28.6	179.2	14,200	33.2	188.6	12,400	37.0	195.1	10,700	40.4	199.3	9,000	195
200				13.1	137.0	16,200	18.5	152.4	15,100	25.0	169.2	13,400	30.1	180.3	11,700	34.3	188.0	10,000	37.9	193.0	8,300	200
205							12.4	133.9	14,300	20.9	157.1	12,600	26.7	170.9	11,000	31.3	180.1	9,300	35.2	186.2	7,700	205
210										15.7	141.6	11,900	22.8	159.9	10,300	28.0	171.2	8,700	32.3	178.6	7,100	210
215										7.5	116.4	11,100	18.2	146.2	9,600	24.4	160.8	8,100	29.1	170.0	6,600	215
220													11.9	127.0	8,900	20.1	148.4	7,500	25.6	160.2	6,000	220
225																14.7	132.0	6,900	21.6	148.5	5,500	225
230																4.8	101.6	6,300	16.6	133.7	5,000	230
235																			9.3	111.2	4,500	235

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

85 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.7	282.5	66,300*																			65
70	74.1	281.1	64,500*																			70
75	72.5	279.5	62,500*																			75
80	70.9	277.8	61,200*																			80
85	69.3	276.0	59,600*																			85
90	67.7	274.0	58,000*	70.2	275.8	57,400*																90
95	66.0	271.8	55,900*	68.6	273.9	54,900																95
100	64.4	269.5	53,700*	66.9	271.8	50,900																100
105	62.7	266.9	51,200	65.3	269.5	47,400	66.8	270.5	45,200													105
110	61.0	264.2	47,800	63.6	267.1	44,300	65.1	268.3	42,200													110
115	59.2	261.3	44,800	61.9	264.5	41,400	63.5	265.8	39,400													115
120	57.5	258.2	42,000	60.2	261.7	38,800	61.7	263.2	36,900													120
125	55.6	254.8	39,500	58.4	258.7	36,500	60.0	260.3	34,600	62.6	262.2	31,600										125
130	53.8	251.2	37,200	56.6	255.4	34,300	58.3	257.3	32,500	60.9	259.5	29,600										130
135	51.9	247.4	35,100	54.8	252.0	32,300	56.5	254.1	30,600	59.1	256.5	27,800										135
140	49.9	243.3	33,200	52.9	248.3	30,400	54.6	250.6	28,800	57.3	253.4	26,100										140
145	47.9	238.8	31,300	51.0	244.3	28,700	52.7	246.9	27,200	55.5	250.0	24,600										145
150	45.8	234.1	29,600*	49.0	240.0	27,100	50.8	242.9	25,600	53.7	246.4	23,200	56.3	248.6	20,700							150
155	43.7	229.0	28,000*	47.0	235.5	25,700	48.8	238.6	24,200	51.8	242.6	21,800	54.5	245.1	19,500							155
160	41.4	223.5	26,400*	44.8	230.5	24,300	46.8	234.0	22,900	49.8	238.4	20,600	52.6	241.4	18,300							160
165	39.1	217.5	25,000*	42.6	225.3	23,000	44.7	229.0	21,600	47.8	234.0	19,400	50.7	237.4	17,200							165
170	36.6	210.9	23,700*	40.4	219.5	21,800	42.4	223.7	20,500	45.7	229.2	18,300	48.7	233.1	16,200	51.4	235.4	14,100				170
175	34.0	203.8	22,400*	37.9	213.3	20,600	40.1	217.9	19,400	43.5	224.1	17,300	46.6	228.5	15,200	49.5	231.2	13,200				175
180	31.1	195.8	21,200*	35.4	206.5	19,600	37.7	211.7	18,300	41.3	218.5	16,300	44.5	223.5	14,300	47.4	226.7	12,400				180
185	28.0	186.9	20,000*	32.7	199.0	18,500	35.2	204.8	17,400	38.9	212.5	15,400	42.3	218.1	13,500	45.3	221.9	11,600				185
190	24.6	176.6	18,800*	29.7	190.6	17,600	32.4	197.2	16,400	36.4	205.9	14,500	40.0	212.3	12,700	43.2	216.7	10,800	46.0	219.4	9,100	190
195	20.6	164.3	17,700*	26.5	181.1	16,600	29.5	188.7	15,500	33.8	198.7	13,700	37.6	206.0	11,900	40.9	211.1	10,100	43.9	214.3	8,400	195
200	15.6	148.7	16,700*	22.8	170.0	15,800	26.2	179.1	14,700	30.9	190.7	12,900	35.0	199.1	11,100	38.5	205.0	9,400	41.6	208.8	7,800	200
205	8.0	124.0	14,600*	18.5	156.4	14,900	22.5	167.8	13,900	27.8	181.7	12,100	32.2	191.5	10,400	36.0	198.3	8,800	39.3	202.9	7,200	205
210				12.7	138.0	14,100	18.0	154.0	13,100	24.4	171.3	11,400	29.3	182.9	9,800	33.3	191.0	8,200	36.8	196.4	6,600	210
215							12.1	134.9	12,300	20.3	158.9	10,700	26.0	173.2	9,100	30.4	182.8	7,600	34.2	189.3	6,000	215
220										15.3	143.0	10,000	22.2	161.8	8,500	27.3	173.6	7,000	31.4	181.4	5,500	220
225										7.3	117.0	9,400	17.7	147.7	7,900	23.7	162.9	6,400	28.3	172.5	5,000	225
230													11.6	128.0	7,300	19.6	150.1	5,900	24.9	162.4	4,500	230
235																14.3	133.2	5,400	21.0	150.4	4,000	235
240																4.7	101.9	4,800				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

85 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	
70	74.9	291.5	61,500*																			70
75	73.4	290.0	58,600*																			75
80	71.9	288.4	57,500*																			80
85	70.4	286.7	55,700*																			85
90	68.9	284.8	55,100*																			90
95	67.3	282.7	54,100*	69.7	284.6	52,000*																95
100	65.8	280.5	52,100*	68.2	282.6	50,300																100
105	64.2	278.2	49,700*	66.6	280.5	46,800	68.0	281.4	44,600													105
110	62.6	275.6	47,200*	65.0	278.2	43,700	66.5	279.3	41,500													110
115	60.9	272.9	44,300	63.4	275.8	40,800	64.9	277.0	38,800													115
120	59.3	270.0	41,500	61.8	273.1	38,200	63.3	274.5	36,300													120
125	57.6	266.8	39,000	60.2	270.3	35,900	61.7	271.8	34,000													125
130	55.9	263.5	36,700	58.5	267.3	33,700	60.0	269.0	31,900	62.5	270.9	29,000										130
135	54.1	260.0	34,600	56.8	264.1	31,700	58.3	266.0	30,000	60.8	268.1	27,200										135
140	52.3	256.2	32,600	55.1	260.7	29,900	56.6	262.8	28,200	59.2	265.2	25,500										140
145	50.5	252.1	30,800*	53.3	257.0	28,200	54.9	259.3	26,600	57.5	262.1	24,000										145
150	48.6	247.8	29,000*	51.5	253.1	26,600	53.1	255.6	25,100	55.8	258.7	22,500										150
155	46.6	243.2	27,400*	49.6	248.9	25,100	51.3	251.7	23,600	54.0	255.2	21,200	56.5	257.3	18,800							155
160	44.6	238.2	25,900*	47.7	244.5	23,700	49.4	247.5	22,300	52.2	251.4	20,000	54.8	253.9	17,700							160
165	42.5	232.9	24,500*	45.7	239.7	22,400	47.5	243.0	21,100	50.3	247.3	18,800	53.0	250.2	16,600							165
170	40.3	227.1	23,100*	43.6	234.6	21,200	45.5	238.2	19,900	48.4	243.0	17,700	51.2	246.2	15,500							170
175	38.0	220.9	21,900*	41.5	229.1	20,100	43.5	233.0	18,800	46.5	238.3	16,700	49.3	242.0	14,600							175
180	35.6	214.2	20,700*	39.3	223.1	19,000	41.3	227.5	17,800	44.5	233.3	15,700	47.4	237.5	13,700	51.9	244.2	12,600				180
185	33.1	206.7	19,600*	36.9	216.6	18,000	39.1	221.5	16,800	42.4	228.0	14,800	45.4	232.7	12,800	48.1	235.7	10,900				185
190	30.3	198.5	18,500*	34.5	209.6	17,000	36.7	215.0	15,900	40.2	222.2	13,900	43.3	227.5	12,000	46.2	231.0	10,200				190
195	27.3	189.3	17,400*	31.8	201.8	16,100	34.2	207.9	15,000	37.9	216.0	13,100	41.2	221.9	11,200	44.1	226.0	9,400	46.8	228.4	7,700	195
200	23.9	178.7	16,400*	29.0	193.2	15,300	31.6	200.0	14,100	35.5	209.2	12,300	38.9	215.9	10,500	42.0	220.6	8,800	44.8	223.5	7,100	200
205	20.1	166.1	15,400*	25.8	183.4	14,400	28.7	191.3	13,400	32.9	201.7	11,600	36.6	209.3	9,800	39.8	214.7	8,100	42.7	218.2	6,500	205
210	15.2	150.0	14,500*	22.2	171.9	13,600	25.5	181.4	12,600	30.1	193.4	10,900	34.1	202.2	9,200	37.5	208.4	7,500	40.5	212.5	5,900	210
215	7.8	124.6	12,600*	18.0	158.0	12,900	21.9	169.8	11,900	27.1	184.1	10,200	31.4	194.3	8,500	35.1	201.5	6,900	38.2	206.3	5,400	215
220				12.4	139.1	12,100	17.6	155.5	11,100	23.7	173.4	9,500	28.5	185.5	7,900	32.4	193.9	6,400	35.9	199.6	4,800	220
225							11.8	135.9	10,400	19.8	160.6	8,900	25.3	175.4	7,300	29.6	185.5	5,800	33.3	192.3	4,300	225
230										14.9	144.3	8,300	21.6	163.7	6,800	26.6	176.0	5,300				230
235										7.1	117.6	7,600	17.2	149.2	6,200	23.1	165.0	4,800				235
240													11.3	129.0	5,700	19.1	151.7	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 WITHIN THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

95 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	67.5	172.9	130,200*b																			45
50	63.0	170.5	121,800*b																			50
55	58.2	167.5	114,400*b	66.2	170.9	125,200*b																55
60	53.2	164.0	107,200*	61.6	168.4	117,300*b	66.3	169.8	117,400b													60
65	47.8	159.7	99,200*	56.8	165.3	108,700b	61.7	167.3	105,800b													65
70	41.9	154.5	92,600*	51.7	161.5	98,800	56.9	164.2	96,200b													70
75	35.2	148.0	87,000*	46.2	157.0	90,500	51.8	160.5	88,100	60.1	163.8	84,200b										75
80	27.0	139.3	79,600*	40.1	151.5	83,300	46.3	155.9	81,200	55.2	160.5	77,500										80
85	14.9	125.5	72,900*	33.0	144.5	77,100	40.2	150.4	75,100	49.9	156.5	71,800										85
90				24.1	134.9	71,600	33.1	143.4	69,800	44.3	151.7	66,700	53.2	155.9	63,700							90
95				8.6	116.6	66,700	24.3	133.9	65,100	37.9	145.8	62,300	47.8	151.6	59,400							95
100							9.0	116.0	60,800	30.4	138.1	58,300	41.9	146.4	55,600	50.8	150.2	53,000				100
105										20.5	127.1	54,700	35.1	139.8	52,200	45.2	145.5	49,700	42.0	138.1	42,000	105
110													26.9	131.2	49,100	39.0	139.7	46,800	47.9	143.3	44,500	110
115													14.9	117.3	46,300	31.7	132.4	44,200	27.2	123.0	37,600	115
120																22.3	122.1	41,700	15.3	109.4	35,500	120
125																						125
130																						130

95 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	70.5	183.7	126,800*b																			45
50	66.6	181.6	118,500*b																			50
55	62.6	179.1	111,300*b	69.4	181.8	121,800*b																55
60	58.4	176.2	105,000*	65.5	179.6	114,100*b	65.5	178.5	105,400b													60
65	54.1	172.7	98,600*	61.4	177.0	107,400*b																65
70	49.5	168.7	91,600*	57.2	174.0	98,400	61.5	175.9	95,800b													70
75	44.5	163.8	85,800*	52.8	170.3	90,100	57.3	172.9	87,700													75
80	39.0	158.1	79,900*	48.1	166.1	83,000	52.9	169.3	80,700	60.1	172.5	77,000										80
85	32.8	150.9	73,100*	43.0	161.0	76,800	48.2	165.0	74,700	55.8	169.2	71,300										85
90	25.1	141.5	67,300*	37.3	154.9	71,400	43.1	159.9	69,500	51.3	165.4	66,300										90
95	13.9	126.7	62,200*	30.8	147.2	66,600	37.4	153.8	64,800	46.5	160.9	61,800	54.1	164.6	58,900							95
100				22.5	136.8	62,300	30.9	146.2	60,700	41.2	155.5	57,900	49.5	160.6	55,100							100
105				8.0	117.2	58,400	22.6	135.9	57,000	35.3	149.0	54,400	44.5	155.7	51,700	52.0	159.0	49,200	47.3	154.6	46,300	105
110							8.4	116.7	53,500	28.3	140.6	51,200	39.0	150.0	48,700	42.1	149.4	43,700	29.5	135.0	39,100	110
115										19.1	128.7	48,200	32.7	142.8	45,900	20.8	123.9	37,000	25.3	125.2	33,300	115
120													25.1	133.4	43,400	36.3	143.1	41,300	14.2	110.6	31,600	120
125													13.8	118.5	41,000	29.5	135.0	39,100				125
130																						130
135																						135
140																						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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

95 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
45	72.7	194.3	123,600* ^b																			45
50	69.3	192.5	115,700* ^b																			50
55	65.9	190.3	108,700* ^b																			55
60	62.3	187.8	102,400*	68.4	190.6	111,500* ^b																60
65	58.6	184.9	96,900*	64.9	188.3	104,800*																65
70	54.8	181.5	91,300*	61.3	185.7	98,100	64.9	187.2	95,400													70
75	50.7	177.6	85,300*	57.5	182.6	89,800	61.3	184.6	87,300													75
80	46.4	173.0	80,100*	53.6	179.1	82,700	57.6	181.6	80,400													80
85	41.8	167.7	73,300*	49.5	175.0	76,500	53.7	178.0	74,400	60.1	181.1	70,900										85
90	36.7	161.4	67,400*	45.1	170.3	71,100	49.6	174.0	69,200	56.3	177.9	65,900										90
95	30.8	153.7	62,400*	40.4	164.7	66,400	45.2	169.2	64,500	52.3	174.2	61,500										95
100	23.6	143.6	57,900*	35.1	158.1	62,200	40.4	163.7	60,400	48.1	170.0	57,600	54.8	173.4	54,700							100
105	13.1	127.8	53,900*	28.9	149.8	58,400	35.1	157.0	56,800	43.6	165.0	54,000	50.7	169.5	51,400							105
110				21.1	138.7	54,900	29.0	148.8	53,400	38.7	159.1	50,900	46.4	164.9	48,300	53.0	167.8	45,900				110
115				7.5	117.8	51,700	21.3	137.7	50,400	33.2	152.0	48,000	41.8	159.6	45,600	48.8	163.6	43,300				115
120							7.8	117.3	47,500	26.6	143.0	45,400	36.6	153.3	43,100	44.4	158.7	40,900	46.5	156.6	36,700	120
125										17.9	130.2	42,900	30.8	145.6	40,800	39.5	153.0	38,700	41.9	151.3	34,800	125
130													23.6	135.5	38,700	34.1	146.1	36,700	36.8	145.0	33,000	130
135													13.0	119.6	36,700	27.8	137.5	34,900	30.9	137.3	31,400	135
140																19.6	125.6	33,100				140
145																			23.8	127.3	29,800	145
150																			13.4	111.7	28,400	150

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

95 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
45	74.5	204.7	120,200* ^b																			45
50	71.5	203.1	112,500* ^b																			50
55	68.4	201.2	105,800* ^b																			55
60	65.3	199.0	99,800*	70.6	201.3	108,700* ^b																60
65	62.1	196.5	94,300*	67.5	199.3	102,200*																65
70	58.8	193.5	89,600*	64.4	197.0	96,500*	67.6	198.2	94,900													70
75	55.3	190.2	85,000*	61.1	194.4	89,300	64.4	195.9	86,800													75
80	51.7	186.4	79,600*	57.8	191.3	82,200	61.2	193.3	79,900													80
85	47.9	182.1	73,100*	54.3	187.9	76,100	57.8	190.2	73,900													85
90	43.9	177.1	67,300*	50.7	183.9	70,700	54.3	186.8	68,700	60.1	189.8	65,300										90
95	39.5	171.3	62,200*	46.8	179.4	66,000	50.7	182.8	64,100	56.7	186.6	60,900										95
100	34.7	164.5	57,700*	42.7	174.2	61,800	46.9	178.3	60,000	53.1	183.0	57,000										100
105	29.1	156.3	53,700*	38.2	168.2	58,000	42.7	173.2	56,400	49.4	178.9	53,500	55.3	182.1	50,800							105
110	22.4	145.6	50,200*	33.2	161.0	54,600	38.2	167.2	53,100	45.5	174.2	50,400	51.7	178.3	47,800							110
115	12.3	128.8	46,900*	27.4	152.2	51,500	33.3	160.0	50,100	41.3	168.8	47,600	47.9	174.0	45,100							115
120				20.0	140.4	48,700	27.5	151.2	47,300	36.6	162.4	45,000	43.9	169.0	42,600	50.0	172.5	40,300				120
125				7.0	118.4	46,000	20.1	139.5	44,800	31.4	154.8	42,600	39.5	163.2	40,300	46.1	167.9	38,200				125
130							7.4	117.9	42,400	25.2	145.2	40,400	34.7	156.4	38,300	41.9	162.6	36,200	48.0	165.7	34,200	130
135										16.9	131.7	38,300	29.1	148.2	36,300	37.4	156.4	34,400	44.0	160.7	32,400	135
140													22.3	137.4	34,500	32.3	149.0	32,700	39.6	155.0	30,800	140
145													12.3	120.6	32,800	26.3	139.8	31,100	34.8	148.2	29,300	145
150																18.5	127.2	29,600	29.3	140.0	27,900	150
155																			22.5	129.3	26,600	155
160																			12.6	112.8	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

95 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	75.9	215.1	116,400*																			45
50	73.2	213.6	109,200*																			50
55	70.5	211.9	102,800*																			55
60	67.7	210.0	97,100*																			60
65	64.8	207.7	92,000*	69.7	210.1	99,400*																65
70	61.9	205.1	87,300*	66.9	208.1	94,000*																70
75	58.9	202.2	83,100*	64.0	205.7	88,900	66.9	206.9	86,300													75
80	55.8	198.9	79,300*	61.0	203.0	81,800	64.0	204.6	79,400													80
85	52.5	195.2	75,200*	58.0	200.0	75,700	61.1	201.9	73,500													85
90	49.1	191.0	69,100*	54.8	196.6	70,300	58.0	198.9	68,200	63.0	201.3	64,800										90
95	45.5	186.3	63,900*	51.6	192.8	65,600	54.9	195.5	63,700	60.1	198.5	60,400										95
100	41.7	180.9	59,200*	48.1	188.4	61,400	51.6	191.7	59,600	57.0	195.3	56,600										100
105	37.6	174.8	55,100*	44.5	183.5	57,700	48.2	187.4	55,900	53.8	191.8	53,100										105
110	33.0	167.5	51,500*	40.6	178.0	54,300	44.5	182.5	52,600	50.5	187.8	49,900	55.7	190.8	47,300							110
115	27.7	158.7	48,200*	36.3	171.5	51,200	40.6	176.9	49,700	46.9	183.3	47,100	52.5	187.1	44,600							115
120	21.3	147.4	45,300*	31.6	163.9	48,400	36.4	170.5	47,000	43.2	178.2	44,500	49.1	182.9	42,100							120
125	11.7	129.8	41,700*	26.0	154.5	45,900	31.6	162.9	44,500	39.2	172.4	42,200	45.5	178.2	39,900	51.0	181.4	37,700				125
130				19.0	142.1	43,500	26.1	153.5	42,200	34.8	165.6	40,000	41.7	172.8	37,800	47.5	177.0	35,700				130
135				6.7	118.9	40,800*	19.2	141.1	40,100	29.9	157.5	38,000	37.6	166.6	35,900	43.8	172.0	33,900				135
140							7.0	118.4	38,000	24.0	147.3	36,100	33.0	159.4	34,200	39.9	166.3	32,200	45.6	169.9	30,300	140
145										16.1	133.1	34,400	27.7	150.6	32,500	35.6	159.6	30,700	41.8	164.6	28,900	145
150													21.3	139.3	31,000	30.7	151.8	29,200	37.7	158.4	27,500	150
155													11.7	121.6	29,500	25.0	142.0	27,800	33.1	151.2	26,200	155
160																17.6	128.8	26,500	27.8	142.4	25,000	160
165																			21.4	131.2	23,800	165
170																			12.0	113.8	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

95 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	74.7	224.1	106,100*																			50
55	72.2	222.5	100,000*																			55
60	69.6	220.7	94,500*																			60
65	67.1	218.7	89,600*																			65
70	64.4	216.4	85,100*	68.9	218.9	91,600*																70
75	61.7	213.8	81,000*	66.3	216.8	86,800*																75
80	59.0	210.9	77,300*	63.7	214.4	81,300	66.3	215.7	78,900													80
85	56.1	207.6	73,900*	60.9	211.7	75,200	63.7	213.3	73,000													85
90	53.2	204.0	68,700*	58.2	208.7	69,900	61.0	210.6	67,800													90
95	50.1	199.9	63,500*	55.3	205.3	65,200	58.2	207.6	63,200	62.8	209.9	59,900										95
100	46.9	195.4	58,800*	52.3	201.6	61,000	55.3	204.2	59,100	60.0	207.1	56,000										100
105	43.5	190.3	54,700*	49.2	197.4	57,200	52.3	200.5	55,500	57.2	204.0	52,600										105
110	39.8	184.6	51,100*	45.9	192.7	53,900	49.2	196.3	52,200	54.3	200.5	49,400										110
115	35.9	178.0	47,800*	42.5	187.5	50,800	46.0	191.6	49,200	51.3	196.6	46,600	56.1	199.5	44,000							115
120	31.5	170.3	44,900*	38.7	181.5	48,100	42.5	186.4	46,500	48.1	192.3	44,100	53.2	195.9	41,600							120
125	26.5	161.1	42,200*	34.7	174.6	45,500	38.8	180.5	44,100	44.8	187.5	41,700	50.1	191.8	39,400							125
130	20.3	149.2	39,700*	30.2	166.6	43,200	34.8	173.6	41,800	41.3	182.0	39,600	46.9	187.3	37,300	51.8	190.2	35,100				130
135	11.2	130.7	36,700*	24.9	156.7	41,000	30.2	165.6	39,700	37.5	175.8	37,600	43.5	182.2	35,400	48.7	186.0	33,400				135
140				18.2	143.6	39,000	25.0	155.7	37,800	33.3	168.6	35,700	39.8	176.5	33,700	45.4	181.2	31,700				140
145				6.4	119.4	36,100*	18.3	142.7	36,000	28.5	160.0	34,000	35.9	169.9	32,100	41.9	175.8	30,200	46.9	179.0	28,300	145
150							6.7	119.0	34,200	22.9	149.3	32,400	31.5	162.2	30,600	38.1	169.7	28,700	43.5	173.9	26,900	150
155										15.4	134.4	30,900	26.5	153.0	29,100	34.0	162.7	27,400	39.9	168.2	25,700	155
160													20.3	141.1	27,800	29.3	154.4	26,100	36.0	161.7	24,500	160
165													11.2	122.6	26,500	23.9	144.2	24,900	31.6	154.0	23,400	165
170																16.8	130.2	23,800	26.6	144.8	22,300	170
175																			20.5	133.0	21,300	175
180																			11.5	114.8	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

95 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	75.9	234.5	103,200*																			50
55	73.6	233.0	97,500*																			55
60	71.3	231.4	92,200*																			60
65	68.9	229.5	87,500*																			65
70	66.5	227.4	83,100*	70.6	229.6	89,400*																70
75	64.1	225.1	79,200*	68.2	227.7	84,800*																75
80	61.6	222.4	75,600*	65.8	225.5	80,700*																80
85	59.0	219.5	72,200*	63.4	223.0	75,000	65.9	224.4	72,700													85
90	56.4	216.3	68,600*	60.9	220.3	69,600	63.4	221.9	67,500													90
95	53.7	212.7	63,400*	58.3	217.3	64,900	60.9	219.2	62,900													95
100	50.9	208.8	58,700*	55.7	214.0	60,800	58.3	216.2	58,900	62.6	218.6	55,800										100
105	48.0	204.4	54,600*	52.9	210.3	57,000	55.7	212.9	55,300	60.0	215.8	52,300										105
110	44.9	199.6	51,000*	50.1	206.3	53,700	53.0	209.3	52,000	57.4	212.7	49,200										110
115	41.7	194.2	47,700*	47.1	201.8	50,600	50.1	205.2	49,000	54.8	209.3	46,400										115
120	38.2	188.1	44,700*	44.0	196.8	47,900	47.2	200.7	46,400	52.0	205.5	43,800	56.4	208.2	41,400							120
125	34.4	181.1	42,100*	40.7	191.2	45,400	44.1	195.7	43,900	49.1	201.3	41,500	53.7	204.6	39,100							125
130	30.2	173.0	39,600*	37.1	184.9	43,000	40.7	190.1	41,700	46.1	196.6	39,400	50.9	200.7	37,100							130
135	25.4	163.3	37,400*	33.3	177.6	40,900	37.2	183.8	39,600	42.9	191.4	37,400	48.0	196.3	35,200	52.5	199.0	33,100				135
140	19.5	150.9	35,300*	28.9	169.2	38,900	33.3	176.6	37,700	39.6	185.6	35,600	44.9	191.5	33,500	49.6	194.9	31,500				140
145	10.7	131.6	32,700*	23.9	158.8	36,800*	29.0	168.2	35,900	35.9	179.0	33,900	41.7	186.1	31,900	46.6	190.3	29,900				145
150				17.5	145.2	34,800*	23.9	157.9	34,200	31.9	171.4	32,300	38.2	180.0	30,400	43.5	185.2	28,500				150
155				6.1	119.9	32,200*	17.6	144.3	32,600	27.4	162.4	30,800	34.4	173.0	29,000	40.1	179.5	27,200	45.0	183.2	25,500	155
160							6.4	119.5	31,100	22.0	151.3	29,400	30.2	164.9	27,700	36.5	173.1	26,000	41.7	177.8	24,300	160
165										14.8	135.7	28,100	25.4	155.2	26,400	32.6	165.6	24,800	38.3	171.7	23,200	165
170													19.5	142.8	25,300	28.1	156.9	23,700	34.5	164.8	22,100	170
175													10.7	123.5	24,100	22.9	146.2	22,600	30.3	156.7	21,200	175
180																16.1	131.6	21,600	25.5	147.1	20,200	180
185																			19.6	134.7	19,300	185
190																			11.0	115.7	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

95 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	74.8	243.5	94,500*																			55
60	72.7	241.9	89,600*																			60
65	70.5	240.2	85,000*																			65
70	68.3	238.3	80,900*																			70
75	66.1	236.1	77,100*	69.9	238.4	82,500*																75
80	63.8	233.7	73,600*	67.7	236.4	78,600*																80
85	61.5	231.1	70,400*	65.4	234.2	74,500	67.7	235.3	72,200													85
90	59.1	228.2	67,400*	63.1	231.7	69,200	65.5	233.1	67,000													90
95	56.7	225.0	62,900*	60.8	229.0	64,500	63.2	230.6	62,500													95
100	54.2	221.5	58,300*	58.4	226.0	60,300	60.8	227.9	58,400													100
105	51.6	217.6	54,100*	56.0	222.7	56,600	58.5	224.9	54,800	62.4	227.3	51,800										105
110	48.9	213.4	50,500*	53.5	219.1	53,300	56.0	221.6	51,500	60.0	224.4	48,700										110
115	46.1	208.7	47,200*	50.8	215.1	50,200	53.5	218.0	48,600	57.6	221.4	45,900										115
120	43.2	203.6	44,300*	48.1	210.8	47,500	50.9	214.1	45,900	55.2	218.0	43,300										120
125	40.1	197.8	41,600*	45.3	206.0	45,000	48.2	209.7	43,500	52.6	214.2	41,000	56.7	216.9	38,600							125
130	36.7	191.4	39,100*	42.3	200.7	42,600	45.3	204.9	41,200	50.0	210.2	38,900	54.2	213.4	36,600							130
135	33.1	184.1	36,900*	39.1	194.8	40,500	42.4	199.6	39,200	47.2	205.7	36,900	51.6	209.5	34,700							135
140	29.1	175.6	34,900*	35.7	188.1	38,500*	39.2	193.7	37,300	44.3	200.7	35,100	48.9	205.3	33,000	53.0	207.8	30,900				140
145	24.5	165.5	33,000*	32.0	180.5	36,300*	35.8	187.1	35,500	41.3	195.2	33,400	46.1	200.6	31,400	50.4	203.8	29,400				145
150	18.8	152.5	31,200*	27.8	171.6	34,300*	32.1	179.5	33,800	38.1	189.1	31,800	43.2	195.5	29,900	47.7	199.4	28,000				150
155	10.3	132.5	29,000*	23.0	160.8	32,500*	27.9	170.6	32,300	34.6	182.1	30,400	40.1	189.7	28,500	44.8	194.5	26,700				155
160				16.8	146.6	30,800*	23.0	159.9	30,800	30.7	174.2	29,000	36.7	183.3	27,200	41.8	189.1	25,400	46.2	192.3	23,700	160
165				5.8	120.4	28,600*	16.9	145.7	29,500	26.3	164.8	27,700	33.1	176.0	26,000	38.6	183.0	24,300	43.2	187.2	22,600	165
170							6.1	120.0	28,100	21.2	153.1	26,500	29.1	167.5	24,800	35.1	176.2	23,200	40.1	181.5	21,600	170
175										14.2	136.9	25,300	24.4	157.4	23,700	31.3	168.5	22,200	36.8	175.0	20,600	175
180													18.8	144.4	22,700	27.1	159.3	21,200	33.2	167.8	19,700	180
185													10.3	124.3	21,700	22.1	148.1	20,300	29.2	159.3	18,800	185
190																15.5	132.9	19,400	24.6	149.2	18,000	190
195																			18.9	136.3	17,200	195
200																			10.6	116.6	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

95 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	75.8	253.8	91,900*																			55
60	73.8	252.4	86,600*																			60
65	71.8	250.8	82,300*																			65
70	69.8	249.0	78,400*																			70
75	67.8	247.0	74,800*																			75
80	65.7	244.8	71,500*	69.2	247.2	76,200*																80
85	63.6	242.4	68,400*	67.2	245.1	72,700*																85
90	61.4	239.8	65,600*	65.1	242.9	68,700	67.2	244.0	66,600													90
95	59.2	236.8	62,900*	62.9	240.4	64,100	65.1	241.8	62,000													95
100	56.9	233.7	59,300*	60.8	237.7	59,900	63.0	239.3	58,000													100
105	54.6	230.2	55,000*	58.5	234.7	56,200	60.8	236.6	54,300													105
110	52.2	226.4	51,300*	56.3	231.4	52,800	58.6	233.6	51,100	62.2	235.9	48,200										110
115	49.7	222.3	47,900*	53.9	227.9	49,800	56.3	230.3	48,100	60.0	233.1	45,400										115
120	47.1	217.8	44,900*	51.5	224.0	47,000	53.9	226.8	45,500	57.8	230.0	42,900										120
125	44.5	212.8	42,100*	49.0	219.7	44,500	51.5	222.9	43,000	55.5	226.7	40,500										125
130	41.6	207.4	39,600*	46.4	215.1	42,200	49.0	218.7	40,800	53.1	223.0	38,400	56.9	225.6	36,100							130
135	38.6	201.4	37,400*	43.7	210.0	40,100	46.4	214.0	38,700	50.7	219.0	36,500	54.6	222.1	34,200							135
140	35.4	194.6	35,300*	40.8	204.4	38,200	43.7	209.0	36,800	48.2	214.7	34,700	52.2	218.3	32,500							140
145	31.9	187.0	33,300*	37.7	198.2	36,300	40.8	203.4	35,100	45.5	209.9	33,000	49.7	214.2	30,900							145
150	28.1	178.1	31,400*	34.5	191.2	34,600	37.8	197.2	33,400	42.7	204.7	31,400	47.1	209.7	29,400	51.1	212.6	27,500				150
155	23.6	167.6	29,600*	30.9	183.3	32,800*	34.5	190.2	31,900	39.8	198.9	30,000	44.4	204.7	28,100	48.6	208.3	26,200				155
160	18.1	154.1	27,800*	26.9	174.0	31,000*	30.9	182.3	30,500	36.7	192.4	28,600	41.6	199.3	26,800	45.9	203.6	25,000				160
165	10.0	133.3	25,000*	22.2	162.8	29,200*	26.9	173.0	29,100	33.3	185.1	27,300	38.6	193.2	25,600	43.2	198.5	23,800	47.2	201.4	22,200	165
170				16.2	148.0	27,500*	22.2	161.8	27,800	29.6	176.8	26,100	35.4	186.5	24,400	40.3	192.8	22,700	44.5	196.4	21,100	170
175				5.6	120.8	24,700*	16.3	147.1	26,600	25.4	167.0	25,000	31.9	178.9	23,300	37.2	186.4	21,700	41.7	191.0	20,200	175
180							5.9	120.5	25,400	20.4	154.9	23,900	28.1	170.0	22,300	33.9	179.3	20,800	38.7	185.0	19,300	180
185										13.7	138.1	22,900	23.6	159.5	21,400	30.2	171.2	19,900	35.5	178.3	18,400	185
190													18.1	146.0	20,400	26.1	161.6	19,000	32.0	170.6	17,600	190
195													9.9	125.2	19,500	21.3	150.0	18,200	28.2	161.8	16,800	195
200																15.0	134.2	17,400	23.7	151.3	16,100	200
205																			18.2	137.9	15,300	205
210																			10.2	117.4	14,600	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

95 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	74.9	262.8	82,100*																			60
65	73.0	261.3	78,600*																			65
70	71.1	259.7	76,100*																			70
75	69.2	257.8	72,700*																			75
80	67.3	255.8	69,500*	70.6	257.9	71,000																80
85	65.3	253.5	66,500*	68.7	256.0	65,300																85
90	63.3	251.1	63,800*	66.7	253.9	60,300																90
95	61.3	248.4	60,500	64.8	251.6	55,900	66.8	252.8	53,100													95
100	59.2	245.5	56,300	62.8	249.1	52,000	64.8	250.5	49,400													100
105	57.1	242.4	52,600	60.7	246.3	48,500	62.8	248.0	46,000													105
110	54.9	238.9	49,200	58.6	243.3	45,300	60.7	245.2	43,000													110
115	52.7	235.2	46,200	56.5	240.1	42,500	58.7	242.2	40,200	62.1	244.6	36,600										115
120	50.4	231.2	43,400	54.3	236.6	39,900	56.5	239.0	37,800	60.0	241.8	34,300										120
125	48.0	226.8	40,900	52.1	232.8	37,500	54.3	235.5	35,500	57.9	238.7	32,200										125
130	45.6	222.0	38,600	49.7	228.7	35,300	52.1	231.7	33,400	55.8	235.4	30,200										130
135	43.0	216.8	36,400	47.3	224.2	33,300	49.8	227.6	31,500	53.6	231.8	28,400	57.1	234.3	25,400							135
140	40.2	211.1	34,500	44.8	219.3	31,500	47.4	223.1	29,700	51.3	227.9	26,800	54.9	230.8	23,900							140
145	37.4	204.8	32,600	42.2	213.9	29,800	44.9	218.2	28,100	49.0	223.6	25,300	52.7	227.1	22,500							145
150	34.3	197.7	30,900	39.4	208.0	28,200	42.2	212.9	26,600	46.5	219.0	23,800	50.4	223.1	21,200							150
155	30.9	189.7	29,400*	36.5	201.5	26,700	39.5	207.0	25,100	44.0	214.0	22,500	48.0	218.7	19,900	51.7	221.4	17,400				155
160	27.1	180.5	27,700*	33.3	194.2	25,300	36.5	200.5	23,800	41.3	208.5	21,300	45.5	213.9	18,800	49.3	217.3	16,400				160
165	22.8	169.6	26,100*	29.9	185.9	24,000	33.4	193.2	22,600	38.5	202.4	20,100	43.0	208.7	17,700	46.9	212.7	15,400				165
170	17.5	155.6	24,600*	26.0	176.3	22,800	29.9	184.9	21,400	35.5	195.6	19,000	40.2	203.0	16,700	44.4	207.7	14,500				170
175	9.6	134.2	22,100*	21.4	164.7	21,600	26.0	175.3	20,300	32.2	188.0	18,000	37.3	196.6	15,800	41.7	202.3	13,600	45.6	205.6	11,500	175
180				15.7	149.4	20,500	21.5	163.7	19,200	28.6	179.4	17,000	34.2	189.6	14,900	39.0	196.3	12,700				180
185				5.4	121.3	19,300	15.8	148.5	18,200	24.6	169.2	16,100	30.9	181.6	14,000	36.0	189.7	12,000	40.3	194.7	10,000	185
190							5.7	120.9	17,100	19.7	156.6	15,200	27.1	172.4	13,200	32.8	182.2	11,200	37.4	188.4	9,300	190
195										13.3	139.2	14,300	22.8	161.5	12,400	29.2	173.8	10,500	34.3	181.4	8,600	195
200													17.5	147.5	11,600	25.3	163.9	9,800	31.0	173.4	8,000	200
205													9.6	126.0	10,900	20.6	151.8	9,100	27.2	164.2	7,400	205
210																14.5	135.5	8,500	22.9	153.3	6,800	210
215																			17.6	139.5	6,200	215
220																			9.8	118.3	5,700	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

95 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 ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	75.8	273.2	77,200*																			60
65	74.0	271.8	74,400*																			65
70	72.3	270.2	71,600*																			70
75	70.5	268.5	69,000*																			75
80	68.7	266.6	67,700*																			80
85	66.9	264.5	64,900*	70.0	266.7	64,900																85
90	65.0	262.2	62,300*	68.2	264.7	59,900																90
95	63.1	259.8	59,800*	66.3	262.6	55,500																95
100	61.2	257.1	55,900	64.5	260.3	51,600	66.4	261.5	49,000													100
105	59.3	254.2	52,200	62.6	257.7	48,100	64.5	259.2	45,600													105
110	57.3	251.0	48,900	60.7	255.0	44,900	62.6	256.6	42,600													110
115	55.2	247.6	45,800	58.7	252.0	42,100	60.7	253.9	39,900													115
120	53.2	244.0	43,100	56.7	248.8	39,500	58.7	250.9	37,400	62.0	253.2	33,900										120
125	51.0	240.0	40,600	54.7	245.3	37,200	56.7	247.7	35,100	60.0	250.4	31,800										125
130	48.8	235.7	38,200	52.5	241.6	35,000	54.7	244.2	33,100	58.1	247.4	29,900										130
135	46.5	231.1	36,100	50.4	237.5	33,000	52.6	240.5	31,100	56.0	244.1	28,100										135
140	44.1	226.1	34,200	48.1	233.2	31,200	50.4	236.5	29,400	54.0	240.5	26,400	57.3	242.9	23,500							140
145	41.6	220.6	32,300	45.8	228.4	29,500	48.2	232.1	27,800	51.8	236.7	24,900	55.2	239.5	22,100							145
150	39.0	214.6	30,700*	43.4	223.3	27,900	45.9	227.4	26,200	49.7	232.5	23,500	53.2	235.9	20,800							150
155	36.2	208.0	29,100*	40.9	217.7	26,400	43.4	222.2	24,800	47.4	228.0	22,200	51.0	231.9	19,600							155
160	33.2	200.7	27,600*	38.2	211.5	25,000	40.9	216.6	23,500	45.0	223.2	21,000	48.8	227.6	18,500	52.2	230.2	16,000				160
165	29.9	192.4	26,100*	35.4	204.7	23,700	38.2	210.5	22,300	42.6	217.9	19,800	46.5	223.0	17,400	50.0	226.2	15,000				165
170	26.3	182.9	24,600*	32.3	197.1	22,500	35.4	203.7	21,100	40.0	212.1	18,700	44.1	218.0	16,400	47.8	221.7	14,100				170
175	22.1	171.5	23,200*	28.9	188.5	21,400	32.3	196.1	20,000	37.3	205.8	17,700	41.6	212.5	15,400	45.4	216.9	13,200				175
180	17.0	157.1	21,900*	25.2	178.5	20,300	29.0	187.5	18,900	34.4	198.7	16,700	39.0	206.5	14,500	43.0	211.7	12,400	46.5	214.7	10,400	180
185	9.3	134.9	19,600*	20.8	166.5	19,200	25.2	177.6	18,000	31.2	190.8	15,800	36.2	199.9	13,700	40.4	206.0	11,600	44.2	209.7	9,600	185
190				15.2	150.7	18,200	20.8	165.6	17,000	27.8	181.8	14,900	33.2	192.6	12,900	37.7	199.7	10,900	41.7	204.2	9,000	190
195				5.3	121.7	17,200	15.3	149.8	16,100	23.8	171.3	14,100	29.9	184.3	12,100	34.9	192.8	10,200	39.0	198.3	8,300	195
200							5.5	121.4	15,100	19.1	158.3	13,300	26.3	174.8	11,400	31.7	185.1	9,500	36.2	191.7	7,700	200
205										12.8	140.3	12,500	22.1	163.4	10,700	28.3	176.3	8,900	33.3	184.3	7,100	205
210													17.0	149.0	10,000	24.5	166.0	8,300	30.0	176.1	6,500	210
215													9.3	126.7	9,300	19.9	153.5	7,700	26.4	166.6	6,000	215
220																14.0	136.7	7,100	22.2	155.3	5,500	220
225																			17.1	140.9	5,000	225
230																			9.5	119.1	4,400	230

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE
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M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

95 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	75.0	282.2	70,400*																			65
70	73.3	280.7	68,100*																			70
75	71.6	279.1	65,800*																			75
80	69.9	277.3	64,100*																			80
85	68.2	275.4	62,200*																			85
90	66.5	273.2	60,400*	69.4	275.5	59,300																90
95	64.7	270.9	58,100*	67.7	273.5	54,900																95
100	63.0	268.4	55,400	66.0	271.3	51,000	67.8	272.4	48,300													100
105	61.2	265.7	51,700	64.2	268.9	47,500	66.0	270.2	45,000													105
110	59.3	262.8	48,300	62.4	266.4	44,400	64.3	267.8	42,000													110
115	57.4	259.7	45,300	60.6	263.6	41,500	62.5	265.3	39,200													115
120	55.5	256.3	42,600	58.8	260.7	38,900	60.7	262.5	36,800													120
125	53.6	252.7	40,000	56.9	257.5	36,600	58.8	259.6	34,500	61.9	261.9	31,100										125
130	51.5	248.8	37,700	55.0	254.0	34,400	56.9	256.4	32,400	60.0	259.1	29,200										130
135	49.5	244.7	35,600	53.0	250.3	32,400	55.0	253.0	30,500	58.2	256.0	27,400										135
140	47.3	240.2	33,700	50.9	246.4	30,600	53.0	249.3	28,800	56.3	252.8	25,800										140
145	45.1	235.3	31,800	48.9	242.1	28,900	51.0	245.3	27,200	54.3	249.3	24,300	57.4	251.6	21,400							145
150	42.8	230.0	30,200*	46.7	237.5	27,300	48.9	241.0	25,600	52.3	245.5	22,900	55.5	248.2	20,100							150
155	40.4	224.3	28,600*	44.4	232.5	25,900	46.7	236.4	24,200	50.3	241.4	21,500	53.5	244.6	18,900							155
160	37.8	218.1	27,000*	42.1	227.1	24,500	44.5	231.5	22,900	48.2	237.0	20,300	51.5	240.7	17,800							160
165	35.1	211.2	25,600*	39.7	221.3	23,200	42.1	226.1	21,700	46.0	232.3	19,200	49.5	236.6	16,700	52.6	239.0	14,300				165
170	32.2	203.6	24,300*	37.1	214.9	22,000	39.7	220.2	20,500	43.7	227.2	18,100	47.3	232.1	15,700	50.6	235.0	13,400				170
175	29.1	195.0	23,000*	34.3	207.8	20,800	37.1	213.8	19,400	41.3	221.7	17,100	45.1	227.2	14,800	48.5	230.7	12,500				175
180	25.5	185.1	21,700*	31.3	199.9	19,800	34.4	206.8	18,400	38.8	215.6	16,100	42.8	221.9	13,900	46.3	226.0	11,700				180
185	21.5	173.4	20,500*	28.1	191.0	18,700	31.4	198.9	17,400	36.2	209.0	15,200	40.4	216.2	13,100	44.1	221.0	11,000	47.4	223.8	8,900	185
190	16.5	158.5	19,300*	24.4	180.7	17,800	28.1	190.0	16,500	33.4	201.7	14,400	37.8	210.0	12,300	41.7	215.5	10,200	45.1	218.9	8,200	190
195	9.0	135.7	17,200*	20.2	168.3	16,800	24.5	179.7	15,600	30.3	193.5	13,500	35.1	203.1	11,500	39.2	209.6	9,500	42.8	213.6	7,600	195
200				14.7	152.0	15,900	20.2	167.3	14,800	27.0	184.2	12,800	32.2	195.5	10,800	36.6	203.1	8,900	40.4	207.9	7,000	200
205				5.1	122.1	15,000	14.8	151.1	13,900	23.1	173.3	12,000	29.0	186.9	10,100	33.8	195.9	8,200	37.9	201.7	6,400	205
210							5.4	121.8	13,100	18.6	159.9	11,300	25.5	177.0	9,400	30.8	187.8	7,600	35.2	194.9	5,900	210
215										12.5	141.4	10,600	21.5	165.3	8,800	27.5	178.7	7,100	32.3	187.2	5,300	215
220													16.5	150.4	8,200	23.8	168.1	6,500	29.1	178.7	4,800	220
225													9.0	127.5	7,600	19.4	155.2	5,900	25.6	168.9	4,300	225
230																13.6	137.9	5,400				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

95 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	
65	75.8	292.5	66,600*																			65
70	74.2	291.2	64,800*																			70
75	72.6	289.6	63,000*																			75
80	71.0	288.0	61,800*																			80
85	69.4	286.1	60,200*																			85
90	67.8	284.1	58,600*	70.6	286.2	58,700																90
95	66.2	282.0	56,600*	69.0	284.3	54,300																95
100	64.5	279.6	54,400*	67.3	282.2	50,400																100
105	62.8	277.1	51,200	65.7	280.0	46,900	67.4	281.1	44,400													105
110	61.1	274.4	47,800	64.0	277.6	43,800	65.7	278.9	41,400													110
115	59.4	271.5	44,800	62.3	275.1	41,000	64.0	276.5	38,700													115
120	57.6	268.4	42,000	60.6	272.3	38,400	62.3	274.0	36,200													120
125	55.8	265.0	39,500	58.8	269.3	36,000	60.6	271.2	34,000													125
130	53.9	261.5	37,200	57.1	266.2	33,900	58.9	268.2	31,900	61.8	270.6	28,600										130
135	52.0	257.6	35,100	55.2	262.7	31,900	57.1	265.1	30,000	60.0	267.7	26,800										135
140	50.1	253.5	33,200	53.4	259.1	30,100	55.3	261.7	28,200	58.3	264.7	25,200										140
145	48.1	249.1	31,400	51.5	255.2	28,400	53.4	258.0	26,600	56.5	261.5	23,700										145
150	46.0	244.4	29,700*	49.5	251.0	26,800	51.5	254.1	25,100	54.6	258.0	22,300	57.6	260.3	19,500							150
155	43.8	239.3	28,100*	47.5	246.5	25,300	49.5	249.9	23,700	52.7	254.3	21,000	55.8	256.9	18,300							155
160	41.6	233.8	26,500*	45.4	241.7	24,000	47.5	245.5	22,400	50.8	250.3	19,800	53.9	253.4	17,200							160
165	39.2	227.9	25,100*	43.2	236.5	22,700	45.4	240.6	21,200	48.8	246.0	18,600	52.0	249.5	16,100							165
170	36.8	221.4	23,800*	40.9	230.9	21,500	43.2	235.5	20,000	46.8	241.4	17,500	50.1	245.4	15,100							170
175	34.1	214.3	22,500*	38.5	224.8	20,400	41.0	229.8	18,900	44.7	236.4	16,500	48.0	241.0	14,200	51.1	243.9	11,900				175
180	31.3	206.4	21,400*	36.0	218.1	19,300	38.6	223.7	17,900	42.5	231.1	15,600	46.0	236.3	13,300	49.2	239.6	11,100				180
185	28.3	197.5	20,200*	33.4	210.8	18,300	36.1	217.1	16,900	40.2	225.4	14,700	43.8	231.2	12,500	47.1	235.1	10,400				185
190	24.8	187.3	19,100*	30.5	202.7	17,300	33.4	209.8	16,000	37.7	219.1	13,800	41.6	225.7	11,700	45.0	230.2	9,600				190
195	20.9	175.3	18,000*	27.3	193.4	16,400	30.5	201.6	15,100	35.2	212.2	13,000	39.2	219.8	11,000	42.8	224.9	9,000	46.0	228.0	7,000	195
200	16.0	159.9	16,900*	23.8	182.8	15,500	27.4	192.5	14,300	32.4	204.6	12,300	36.8	213.3	10,300	40.5	219.2	8,300	43.9	222.9	6,400	200
205	8.8	136.5	15,000*	19.6	170.0	14,700	23.8	181.8	13,500	29.5	196.2	11,500	34.1	206.2	9,600	38.1	213.1	7,700	41.6	217.5	5,800	205
210				14.3	153.2	13,900	19.7	169.0	12,700	26.2	186.6	10,800	31.3	198.3	8,900	35.6	206.3	7,100	39.3	211.5	5,300	210
215				4.9	122.5	13,000	14.4	152.3	12,000	22.5	175.3	10,100	28.2	189.4	8,300	32.9	198.8	6,500	36.8	205.0	4,800	215
220										18.1	161.5	9,500	24.8	179.2	7,700	30.0	190.5	6,000	34.2	197.9	4,300	220
225							5.2	122.2	11,200	12.1	142.4	8,800	20.9	167.1	7,100	26.8	181.1	5,400				225
230													16.0	151.8	6,600	23.1	170.2	4,900				230
235													8.8	128.2	6,000	18.8	156.9	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

95 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 ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
70	75.0	301.6	60,800*																			70
75	73.5	300.1	59,000*																			75
80	72.0	298.5	57,900*																			80
85	70.5	296.8	56,200*																			85
90	69.0	294.9	55,700*																			90
95	67.4	292.9	54,800*	70.1	295.0	52,900*																95
100	65.9	290.7	52,400*	68.5	293.1	49,800																100
105	64.3	288.3	49,900*	67.0	291.0	46,300																105
110	62.7	285.8	47,300	65.4	288.7	43,200	67.0	289.9	40,700													110
115	61.0	283.1	44,300	63.8	286.3	40,400	65.4	287.6	38,000													115
120	59.4	280.2	41,500	62.2	283.7	37,800	63.8	285.2	35,600													120
125	57.7	277.1	39,000	60.6	281.0	35,400	62.2	282.6	33,300													125
130	56.0	273.7	36,700	58.9	278.0	33,300	60.6	279.9	31,300													130
135	54.2	270.2	34,600	57.2	274.8	31,300	58.9	276.9	29,400	61.7	279.2	26,200										135
140	52.4	266.4	32,600	55.5	271.5	29,500	57.2	273.7	27,600	60.0	276.4	24,500										140
145	50.6	262.4	30,800	53.7	267.9	27,800	55.5	270.4	26,000	58.4	273.4	23,000										145
150	48.7	258.1	29,100	51.9	264.0	26,200	53.7	266.8	24,500	56.6	270.1	21,600										150
155	46.8	253.5	27,500*	50.1	259.9	24,800	51.9	262.9	23,100	54.9	266.7	20,300	57.7	269.0	17,600							155
160	44.7	248.6	26,000*	48.1	255.5	23,400	50.1	258.8	21,800	53.1	263.0	19,100	56.0	265.6	16,500							160
165	42.7	243.3	24,600*	46.2	250.8	22,100	48.2	254.4	20,600	51.3	259.1	18,000	54.2	262.1	15,400							165
170	40.5	237.5	23,200*	44.1	245.8	20,900	46.2	249.8	19,400	49.4	254.9	16,900	52.4	258.3	14,500							170
175	38.2	231.4	22,000*	42.0	240.4	19,800	44.2	244.7	18,300	47.5	250.4	15,900	50.6	254.3	13,500							175
180	35.8	224.6	20,800*	39.8	234.5	18,700	42.1	239.3	17,300	45.5	245.6	15,000	48.7	250.0	12,700	51.6	252.7	10,400				180
185	33.2	217.3	19,700*	37.5	228.2	17,700	39.9	233.5	16,300	43.5	240.5	14,100	46.7	245.4	11,800	49.7	248.5	9,700				185
190	30.5	209.1	18,700*	35.1	221.3	16,800	37.6	227.2	15,400	41.3	234.9	13,200	44.7	240.5	11,100	47.8	244.1	8,900				190
195	27.5	200.0	17,700*	32.5	213.7	15,900	35.1	220.3	14,600	39.1	228.9	12,400	42.6	235.2	10,300	45.8	239.3	8,300				195
200	24.2	189.5	16,700*	29.7	205.3	15,000	32.5	212.7	13,700	36.7	222.4	11,700	40.5	229.4	9,600	43.8	234.2	7,600	46.8	237.1	5,700	200
205	20.4	177.0	15,700*	26.6	195.8	14,200	29.7	204.3	13,000	34.3	215.3	10,900	38.2	223.3	8,900	41.7	228.8	7,000	44.8	232.2	5,100	205
210	15.6	161.3	14,700*	23.1	184.8	13,400	26.6	194.8	12,200	31.6	207.5	10,200	35.8	216.5	8,300	39.5	222.8	6,400	42.7	226.9	4,600	210
215	8.6	137.2	13,000*	19.1	171.6	12,600	23.2	183.9	11,500	28.7	198.7	9,600	33.2	209.2	7,700	37.1	216.4	5,900	40.5	221.2	4,100	215
220				14.0	154.4	11,900	19.2	170.7	10,800	25.5	188.8	8,900	30.5	201.0	7,100	34.7	209.4	5,300				220
225				4.8	122.9	11,100	14.0	153.6	10,100	21.9	177.2	8,300	27.5	191.8	6,600	32.0	201.7	4,800				225
230							5.1	122.6	9,400	17.6	163.0	7,700	24.2	181.3	6,000	29.2	193.1	4,300				230
235										11.8	143.4	7,100	20.3	168.9	5,500							235
240													15.6	153.1	5,000							240
245													8.5	129.0	4,400							245

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

105 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	67.8	183.0	131,600* ^b																			45
50	63.3	180.6	123,200* ^b																			50
55	58.6	177.7	115,800* ^b	67.3	181.4	128,300* ^b																55
60	53.6	174.2	109,300* ^b	62.8	179.0	119,900 ^b	67.8	180.5	116,400 ^b													60
65	48.2	170.0	103,500* ^b	58.0	176.0	108,100 ^b	63.3	178.1	104,900 ^b													65
70	42.3	164.9	97,600* ^b	53.0	172.4	98,300	58.6	175.2	95,400 ^b													70
75	35.7	158.5	88,100* ^b	47.6	168.1	90,000	53.6	171.7	87,300	62.5	175.0	82,900 ^b										75
80	27.6	150.0	80,100* ^b	41.6	162.9	82,900	48.2	167.5	80,400	57.7	172.0	76,400 ^b										80
85	16.1	136.8	73,300* ^b	34.8	156.3	76,700	42.4	162.3	74,400	52.7	168.4	70,700										85
90				26.6	147.5	71,300	35.7	155.9	69,200	47.3	164.0	65,700	56.6	167.8	62,300 ^b							90
95				14.2	133.2	66,400	27.7	147.5	64,600	41.3	158.7	61,300	51.5	164.0	58,100							95
100							16.2	134.3	60,300	34.5	152.0	57,400	46.0	159.5	54,400							100
105										26.1	143.1	53,900	39.9	153.9	51,100	50.0	158.6	48,300				105
110										13.2	128.2	50,600	32.8	146.8	48,100	44.3	153.7	45,500				110
115													23.8	137.1	45,300	37.9	147.8	42,900	47.9	152.0	40,500	115
120													7.5	117.9	42,700	30.4	140.1	40,500	42.0	146.8	38,200	120
125																20.5	129.1	38,300	35.3	140.3	36,200	125
130																			27.2	131.7	34,300	130
135																			15.3	118.1	32,500	135

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

105 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
45	70.7	193.8	128,100*b																			45
50	66.9	191.8	119,900*b																			50
55	62.9	189.3	112,700*b	70.3	192.2	124,900*b																55
60	58.7	186.4	106,300*	66.4	190.1	117,000*b																60
65	54.4	183.0	100,600*	62.4	187.6	107,700b	66.9	189.2	104,400b													65
70	49.8	179.0	95,600*	58.3	184.7	97,900	62.9	186.7	94,900b													70
75	44.9	174.2	88,400*	53.9	181.2	89,600	58.8	183.8	86,900													75
80	39.4	168.5	80,400*	49.3	177.1	82,500	54.4	180.4	80,000	62.2	183.6	75,800b										80
85	33.2	161.5	73,600*	44.3	172.2	76,400	49.8	176.4	74,000	58.0	180.6	70,200										85
90	25.8	152.3	67,700*	38.8	166.4	71,000	44.9	171.7	68,800	53.7	177.1	65,200										90
95	15.0	138.1	62,600*	32.5	159.2	66,200	39.4	166.0	64,200	49.0	173.0	60,900	57.1	176.5	57,500							95
100				24.8	149.7	62,000	33.3	158.9	60,100	44.0	168.1	57,000	52.6	172.8	53,900							100
105				13.2	134.3	58,100	25.8	149.8	56,400	38.5	162.2	53,500	47.9	168.5	50,600							105
110							15.0	135.6	53,000	32.1	154.9	50,400	42.8	163.4	47,600	51.3	167.4	44,900				110
115										24.3	145.2	47,500	37.1	157.3	44,900	46.5	162.9	42,300				115
120										12.3	129.2	44,800	30.5	149.5	42,400	41.2	157.6	40,000				120
125													22.2	139.0	40,100	35.3	151.0	37,900	44.6	156.1	35,600	125
130													7.0	118.5	37,900	28.4	142.7	35,900	39.1	150.4	33,800	130
135																19.1	130.8	34,000	32.9	143.2	32,000	135
140																			25.3	133.9	30,400	140
145																			14.2	119.3	28,900	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	73.0	204.4	124,800* ^b																			45
50	69.6	202.6	116,900* ^b																			50
55	66.1	200.5	109,900* ^b																			55
60	62.6	198.0	103,700*	69.2	201.0	114,200* ^b																60
65	58.9	195.1	98,200*	65.7	198.8	107,300 ^b																65
70	55.0	191.7	93,200*	62.2	196.3	97,500	66.1	197.9	94,500 ^b													70
75	51.0	187.8	88,700*	58.5	193.4	89,200	62.6	195.4	86,500													75
80	46.7	183.3	80,600*	54.6	189.9	82,200	58.9	192.5	79,600													80
85	42.1	178.1	73,700*	50.5	186.0	76,100	55.1	189.2	73,700	62.0	192.3	69,700										85
90	37.0	171.9	67,800*	46.2	181.4	70,700	51.0	185.3	68,500	58.3	189.3	64,800										90
95	31.2	164.3	62,700*	41.6	176.1	66,000	46.8	180.8	63,900	54.4	185.9	60,500										95
100	24.2	154.4	58,200*	36.4	169.7	61,800	42.1	175.6	59,900	50.3	181.9	56,600	57.4	185.1	53,400							100
105	14.1	139.3	54,200*	30.5	161.9	58,000	37.1	169.3	56,200	46.0	177.3	53,200	53.5	181.6	50,100							105
110				23.3	151.7	54,600	31.3	161.7	52,900	41.3	171.9	50,000	49.4	177.5	47,200							110
115				12.4	135.4	51,400	24.2	151.9	49,900	36.1	165.5	47,200	45.0	172.7	44,500	52.3	176.3	41,900				115
120							14.1	136.8	47,100	30.2	157.6	44,600	40.2	167.1	42,100	48.1	172.0	39,600				120
125										22.8	147.2	42,300	34.9	160.4	39,900	43.6	167.0	37,500				125
130										11.5	130.2	40,000	28.7	152.1	37,800	38.7	161.1	35,500	46.5	165.3	33,300	130
135													20.9	140.8	35,900	33.2	154.0	33,800	41.9	160.0	31,700	135
140													6.5	119.0	34,000	26.7	145.0	32,100	36.8	153.7	30,100	140
145																18.0	132.3	30,500	30.9	146.0	28,600	145
150																			23.8	136.0	27,200	150
155																			13.4	120.4	25,900	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

105 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	74.7	214.8	121,200*b																			45
50	71.7	213.2	113,600*b																			50
55	68.6	211.4	106,900*b																			55
60	65.5	209.2	101,000*																			60
65	62.3	206.6	95,600*	68.3	209.8	104,600*b																65
70	59.0	203.7	90,700*	65.2	207.5	97,000																70
75	55.6	200.4	86,400*	61.9	205.0	88,800	65.5	206.6	85,900													75
80	52.0	196.7	80,500*	58.6	202.0	81,700	62.3	204.1	79,100													80
85	48.2	192.4	73,600*	55.2	198.7	75,600	59.0	201.2	73,200													85
90	44.2	187.5	67,600*	51.6	194.8	70,300	55.6	197.9	68,000	61.8	200.9	64,200										90
95	39.8	181.8	62,500*	47.8	190.5	65,600	52.0	194.1	63,500	58.4	198.0	59,900										95
100	35.0	175.0	58,000*	43.7	185.5	61,400	48.2	189.8	59,400	55.0	194.6	56,100										100
105	29.6	166.9	54,000*	39.3	179.7	57,700	44.2	184.9	55,800	51.4	190.8	52,600	57.7	193.8	49,500							105
110	22.9	156.4	50,400*	34.5	172.8	54,300	39.9	179.2	52,500	47.6	186.4	49,500	54.2	190.3	46,600							110
115	13.3	140.4	47,200*	28.9	164.5	51,200	35.1	172.5	49,500	43.5	181.3	46,700	50.5	186.4	44,000							115
120				22.0	153.6	48,400	29.6	164.4	46,800	39.1	175.5	44,200	46.7	181.9	41,500							120
125				11.7	136.3	45,800	22.9	153.9	44,300	34.2	168.6	41,800	42.5	176.7	39,300	49.4	180.9	36,900				125
130							13.3	137.9	42,000	28.6	160.1	39,700	38.0	170.6	37,300	45.5	176.2	35,000				130
135										21.6	149.1	37,700	33.0	163.4	35,400	41.3	170.8	33,200	48.0	174.3	31,000	135
140										10.9	131.1	35,700	27.2	154.5	33,700	36.6	164.4	31,600	44.0	169.4	29,500	140
145													19.7	142.6	32,000	31.4	156.8	30,000	39.6	163.6	28,100	145
150													6.1	119.4	30,400	25.2	147.2	28,600	34.8	156.8	26,700	150
155																17.0	133.8	27,200	29.3	148.6	25,400	155
160																			22.5	138.0	24,200	160
165																			12.6	121.5	23,100	165

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

105 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	73.4	223.8	110,100*																			50
55	70.7	222.1	103,800*																			55
60	67.9	220.1	98,200*																			60
65	65.0	217.9	93,000*	70.4	220.5	101,600*																65
70	62.1	215.3	88,400*	67.6	218.5	96,100*																70
75	59.1	212.4	84,200*	64.7	216.2	88,300	67.9	217.5	85,400													75
80	56.0	209.1	80,300*	61.8	213.6	81,300	65.0	215.3	78,600													80
85	52.7	205.5	75,700*	58.7	210.7	75,200	62.1	212.7	72,700													85
90	49.4	201.3	69,500*	55.6	207.4	69,900	59.1	209.8	67,500													90
95	45.8	196.6	64,200*	52.4	203.7	65,200	56.0	206.6	63,000	61.6	209.6	59,400										95
100	42.0	191.3	59,500*	49.0	199.5	61,000	52.8	202.9	59,000	58.6	206.7	55,600										100
105	37.9	185.2	55,400*	45.4	194.7	57,300	49.4	198.8	55,400	55.5	203.3	52,200										105
110	33.3	178.1	51,700*	41.5	189.3	53,900	45.8	194.1	52,100	52.2	199.6	49,100	57.9	202.5	46,100							110
115	28.1	169.4	48,400*	37.4	183.1	50,900	42.0	188.8	49,200	48.8	195.4	46,300	54.7	199.1	43,500							115
120	21.8	158.3	45,500*	32.8	175.8	48,100	37.9	182.7	46,500	45.2	190.6	43,700	51.4	195.2	41,100							120
125	12.6	141.5	42,500*	27.5	166.9	45,600	33.3	175.5	44,000	41.3	185.1	41,400	48.0	190.9	38,900							125
130				21.0	155.5	43,200	28.2	166.9	41,700	37.2	178.9	39,300	44.3	186.0	36,900	50.5	189.8	34,500				130
135				11.1	137.3	41,000	21.8	155.8	39,600	32.5	171.5	37,300	40.4	180.4	35,000	47.0	185.3	32,700				135
140							12.7	139.0	37,600	27.2	162.5	35,500	36.2	173.9	33,300	43.2	180.2	31,100				140
145										20.6	150.9	33,800	31.4	166.2	31,700	39.2	174.4	29,600	45.6	178.6	27,600	145
150										10.3	131.9	32,100	25.8	156.8	30,200	34.8	167.6	28,200	41.8	173.2	26,200	150
155													18.8	144.2	28,700	29.9	159.5	26,900	37.7	167.1	25,000	155
160													5.8	119.9	27,300	24.0	149.4	25,600	33.1	159.8	23,800	160
165																16.2	135.2	24,400	27.8	151.1	22,700	165
170																			21.4	139.9	21,700	170
175																			12.0	122.5	20,700	175

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

105 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	74.8	234.2	106,900*																			50
55	72.3	232.6	100,900*																			55
60	69.8	230.9	95,500*																			60
65	67.2	228.8	90,600*																			65
70	64.6	226.5	86,100*	69.5	229.3	93,500*																70
75	61.9	224.0	82,000*	66.9	227.2	87,800																75
80	59.2	221.1	78,300*	64.3	224.9	80,800	67.2	226.3	78,100													80
85	56.3	217.8	74,800*	61.6	222.3	74,700	64.6	224.0	72,200													85
90	53.4	214.2	69,100*	58.8	219.4	69,400	61.9	221.4	67,100													90
95	50.3	210.2	63,800*	56.0	216.1	64,700	59.2	218.5	62,500													95
100	47.1	205.7	59,100*	53.0	212.4	60,600	56.3	215.3	58,500	61.5	218.3	55,000										100
105	43.7	200.7	55,000*	50.0	208.4	56,900	53.4	211.7	54,900	58.7	215.3	51,600										105
110	40.1	195.0	51,300*	46.7	203.8	53,500	50.3	207.7	51,600	55.8	212.0	48,600										110
115	36.2	188.5	48,000*	43.3	198.7	50,500	47.1	203.2	48,700	52.9	208.4	45,800										115
120	31.8	180.9	45,100*	39.7	192.9	47,700	43.7	198.1	46,000	49.8	204.3	43,300	55.2	207.8	40,500							120
125	26.9	171.8	42,400*	35.7	186.3	45,200	40.1	192.5	43,600	46.6	199.7	40,900	52.2	204.0	38,300							125
130	20.8	160.2	39,900*	31.3	178.6	42,900	36.2	186.0	41,400	43.1	194.6	38,800	49.1	199.8	36,300							130
135	12.1	142.5	37,400*	26.3	169.3	40,700	31.9	178.4	39,300	39.5	188.8	36,900	45.8	195.2	34,500	51.3	198.7	32,100				135
140				20.0	157.2	38,700	26.9	169.3	37,400	35.5	182.1	35,100	42.3	189.9	32,800	48.2	194.3	30,500				140
145				10.6	138.2	36,800	20.9	157.6	35,600	31.1	174.3	33,400	38.6	183.9	31,200	44.8	189.5	29,000				145
150							12.1	140.0	33,800	26.0	164.8	31,800	34.6	177.0	29,700	41.3	184.0	27,700	46.9	187.7	25,700	150
155										19.6	152.6	30,300	30.0	168.9	28,300	37.5	177.8	26,400	43.5	182.6	24,400	155
160										9.9	132.7	28,900	24.7	159.0	27,000	33.3	170.6	25,100	39.9	176.9	23,300	160
165													17.9	145.7	25,800	28.6	162.0	24,000	36.0	170.3	22,200	165
170													5.5	120.3	24,500	22.9	151.4	22,900	31.6	162.7	21,200	170
175																15.4	136.5	21,800	26.6	153.5	20,200	175
180																			20.5	141.6	19,300	180
185																			11.5	123.4	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

105 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	76.0	244.5	103,900*																			50
55	73.8	243.1	98,200*																			55
60	71.4	241.5	93,000*																			60
65	69.1	239.7	88,300*																			65
70	66.7	237.6	84,000*																			70
75	64.3	235.2	80,100*	68.8	238.1	86,600*																75
80	61.8	232.6	76,500*	66.4	236.0	80,500																80
85	59.2	229.7	73,100*	64.0	233.6	74,500	66.7	235.0	71,900													85
90	56.6	226.5	69,100*	61.5	230.9	69,200	64.3	232.7	66,800													90
95	53.9	223.0	63,700*	58.9	228.0	64,500	61.8	230.1	62,300													95
100	51.1	219.1	59,000*	56.3	224.8	60,400	59.2	227.2	58,300													100
105	48.2	214.7	54,900*	53.6	221.2	56,600	56.6	224.0	54,700	61.4	226.9	51,400										105
110	45.1	209.9	51,200*	50.8	217.2	53,300	53.9	220.4	51,400	58.8	224.0	48,300										110
115	41.9	204.6	47,900*	47.9	212.9	50,300	51.1	216.5	48,500	56.2	220.7	45,500										115
120	38.4	198.5	44,900*	44.8	208.0	47,500	48.2	212.2	45,800	53.5	217.1	43,000										120
125	34.7	191.6	42,200*	41.5	202.5	45,000	45.2	207.4	43,400	50.6	213.1	40,700	55.6	216.5	38,100							125
130	30.5	183.6	39,800*	38.0	196.4	42,700	41.9	202.0	41,200	47.7	208.7	38,600	52.8	212.8	36,100							130
135	25.8	174.1	37,500*	34.2	189.4	40,600	38.5	196.0	39,100	44.6	203.8	36,700	50.0	208.8	34,300							135
140	20.0	161.9	35,500*	30.0	181.3	38,600	34.7	189.1	37,200	41.3	198.4	34,900	47.0	204.2	32,600	52.0	207.5	30,300				140
145	11.6	143.5	33,300*	25.2	171.5	36,800	30.6	181.1	35,500	37.8	192.2	33,200	43.9	199.2	31,000	49.1	203.3	28,800				145
150				19.2	158.9	35,100	25.8	171.6	33,800	34.0	185.2	31,700	40.6	193.6	29,500	46.1	198.6	27,400				150
155				10.2	139.0	33,400*	20.0	159.4	32,300	29.8	177.0	30,200	37.0	187.3	28,200	43.0	193.4	26,200				155
160							11.6	141.0	30,800	24.9	167.0	28,800	33.1	180.0	26,900	39.6	187.6	25,000	45.0	191.8	23,100	160
165										18.8	154.2	27,500	28.8	171.5	25,700	35.9	181.0	23,800	41.7	186.4	22,000	165
170										9.5	133.5	26,300	23.7	161.1	24,500	31.9	173.5	22,800	38.3	180.4	21,000	170
175													17.2	147.2	23,400	27.4	164.5	21,700	34.5	173.4	20,100	175
180													5.3	120.7	22,300	22.0	153.3	20,800	30.3	165.4	19,200	180
185																14.8	137.8	19,800	25.5	155.7	18,300	185
190																			19.6	143.4	17,500	190
195																			11.0	124.4	16,700	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

105 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	
55	74.9	253.5	95,200*																			55
60	72.8	252.1	90,300*																			60
65	70.6	250.4	85,800*																			65
70	68.5	248.4	81,700*																			70
75	66.2	246.3	78,000*	70.4	248.8	84,100*																75
80	64.0	243.9	74,500*	68.2	246.8	80,100																80
85	61.6	241.3	71,200*	66.0	244.7	74,000																85
90	59.3	238.4	68,200*	63.7	242.3	68,700	66.2	243.7	66,300													90
95	56.9	235.2	63,300*	61.4	239.6	64,100	64.0	241.4	61,800													95
100	54.4	231.7	58,600*	59.0	236.7	59,900	61.7	238.7	57,800													100
105	51.8	227.9	54,400*	56.6	233.5	56,200	59.3	235.8	54,200													105
110	49.1	223.7	50,700*	54.1	229.9	52,900	56.9	232.7	51,000	61.3	235.6	47,800										110
115	46.3	219.1	47,400*	51.5	226.1	49,900	54.4	229.2	48,000	58.9	232.7	45,000										115
120	43.4	213.9	44,500*	48.8	221.8	47,100	51.8	225.3	45,400	56.5	229.4	42,500										120
125	40.3	208.2	41,800*	46.0	217.1	44,600	49.1	221.1	43,000	53.9	225.9	40,200										125
130	37.0	201.9	39,300*	43.1	212.0	42,300	46.3	216.5	40,700	51.4	222.0	38,100	55.9	225.2	35,600							130
135	33.4	194.6	37,100*	39.9	206.2	40,200	43.4	211.4	38,700	48.7	217.7	36,200	53.4	221.6	33,700							135
140	29.4	186.3	35,000*	36.6	199.7	38,300	40.3	205.7	36,800	45.8	213.0	34,400	50.8	217.6	32,000							140
145	24.8	176.3	33,100*	32.9	192.4	36,500	37.0	199.3	35,100	42.9	207.8	32,700	48.0	213.3	30,500	52.6	216.3	28,300				145
150	19.2	163.6	31,300*	28.9	183.9	34,800	33.4	192.1	33,400	39.8	202.0	31,200	45.2	208.4	29,000	50.0	212.2	26,900				150
155	11.1	144.4	29,600*	24.2	173.6	32,900*	29.4	183.7	31,900	36.4	195.5	29,800	42.2	203.1	27,700	47.2	207.7	25,600				155
160				18.5	160.5	31,200*	24.8	173.7	30,500	32.7	188.1	28,400	39.0	197.2	26,400	44.3	202.7	24,400				160
165				9.8	139.8	29,500*	19.3	161.1	29,100	28.7	179.5	27,200	35.6	190.5	25,200	41.3	197.2	23,300	46.2	201.0	21,500	165
170							11.2	142.0	27,800	24.0	169.2	26,000	31.9	182.9	24,100	38.1	191.1	22,200	43.2	195.8	20,500	170
175										18.1	155.8	24,800	27.7	173.9	23,000	34.6	184.2	21,300	40.1	190.1	19,500	175
180										9.1	134.3	23,700	22.8	163.1	22,000	30.7	176.2	20,300	36.8	183.7	18,700	180
185													16.6	148.7	21,000	26.4	166.8	19,400	33.2	176.4	17,800	185
190													5.1	121.1	20,100	21.2	155.2	18,600	29.2	168.0	17,000	190
195																14.2	139.0	17,700	24.6	157.9	16,300	195
200																			18.9	145.0	15,500	200
205																			10.6	125.2	14,800	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

105 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	76.0	263.9	92,400*																			55
60	74.0	262.5	87,100*																			60
65	72.0	260.9	83,000*																			65
70	70.0	259.2	79,100*																			70
75	67.9	257.2	75,500*																			75
80	65.8	255.0	72,200*	69.7	257.6	70,900																80
85	63.7	252.6	69,200*	67.7	255.6	65,200																85
90	61.5	249.9	65,600	65.6	253.4	60,200	67.9	254.6	57,000													90
95	59.3	247.1	60,900	63.5	250.9	55,900	65.8	252.4	52,900													95
100	57.1	243.9	56,700	61.3	248.3	52,000	63.7	250.0	49,100													100
105	54.8	240.4	53,000	59.1	245.3	48,500	61.5	247.4	45,800													105
110	52.4	236.7	49,700	56.8	242.2	45,400	59.3	244.5	42,800													110
115	49.9	232.6	46,600	54.5	238.7	42,600	57.1	241.3	40,100	61.2	244.3	36,100										115
120	47.3	228.1	43,900	52.1	234.9	40,000	54.8	237.9	37,700	59.0	241.3	33,800										120
125	44.7	223.2	41,300	49.6	230.7	37,600	52.4	234.1	35,400	56.7	238.1	31,800										125
130	41.8	217.8	39,000	47.0	226.2	35,500	49.9	230.0	33,400	54.4	234.6	29,900										130
135	38.9	211.8	36,900	44.3	221.2	33,500	47.3	225.6	31,500	52.0	230.8	28,100	56.2	233.9	24,800							135
140	35.7	205.1	34,900	41.5	215.8	31,700	44.7	220.6	29,700	49.5	226.6	26,500	53.8	230.3	23,300							140
145	32.2	197.5	33,100	38.5	209.7	30,000	41.8	215.2	28,100	46.9	222.1	25,000	51.4	226.5	22,000							145
150	28.4	188.8	31,400	35.3	202.9	28,400	38.9	209.2	26,600	44.2	217.1	23,600	48.9	222.2	20,700							150
155	23.9	178.4	29,800	31.8	195.2	26,900	35.7	202.6	25,200	41.4	211.6	22,300	46.3	217.6	19,500	50.7	221.0	16,700				155
160	18.6	165.2	28,100*	27.9	186.3	25,500	32.2	195.0	23,800	38.3	205.5	21,100	43.6	212.5	18,400	48.2	216.7	15,700				160
165	10.7	145.4	25,500*	23.4	175.7	24,200	28.4	186.3	22,600	35.1	198.7	19,900	40.7	206.8	17,300	45.5	211.9	14,800				165
170				17.8	162.0	22,900	24.0	175.9	21,400	31.6	190.9	18,900	37.6	200.6	16,300	42.8	206.7	13,900	47.2	210.0	11,500	170
175				9.4	140.6	21,700	18.6	162.7	20,300	27.7	182.0	17,800	34.4	193.6	15,400	39.8	200.9	13,000	44.5	205.1	10,700	175
180							10.8	142.9	19,200	23.1	171.2	16,900	30.8	185.6	14,500	36.7	194.4	12,200	41.7	199.7	10,000	180
185										17.5	157.3	15,900	26.7	176.3	13,700	33.3	187.2	11,400	38.7	193.6	9,300	185
190										8.8	135.0	15,000	22.0	165.0	12,900	29.6	178.9	10,700	35.5	186.9	8,600	190
195													16.0	150.0	12,100	25.4	169.1	10,000	32.0	179.3	8,000	195
200													4.9	121.5	11,200	20.4	156.9	9,300	28.2	170.5	7,400	200
205																13.7	140.2	8,700	23.7	160.0	6,800	205
210																			18.2	146.6	6,200	210
215																			10.2	126.1	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

105 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	75.0	272.9	82,600*																			60
65	73.1	271.4	79,100*																			65
70	71.3	269.8	76,700*																			70
75	69.4	268.0	73,300*																			75
80	67.4	265.9	70,200*																			80
85	65.5	263.7	67,300*	69.1	266.4	64,600																85
90	63.5	261.3	64,500*	67.2	264.3	59,600																90
95	61.4	258.6	60,400	65.2	262.1	55,200	67.4	263.4	52,200													95
100	59.4	255.7	56,200	63.2	259.6	51,400	65.5	261.1	48,500													100
105	57.3	252.6	52,500	61.2	256.9	47,900	63.5	258.7	45,200													105
110	55.1	249.2	49,100	59.1	254.0	44,800	61.5	256.0	42,200													110
115	52.9	245.5	46,100	57.0	250.8	42,000	59.4	253.2	39,500													115
120	50.6	241.5	43,300	54.8	247.4	39,400	57.3	250.0	37,000	61.1	252.9	33,100										120
125	48.2	237.1	40,800	52.6	243.7	37,000	55.1	246.6	34,800	59.0	250.0	31,100										125
130	45.7	232.4	38,500	50.3	239.6	34,900	52.9	242.9	32,700	56.9	246.8	29,200										130
135	43.1	227.2	36,400	47.9	235.2	32,900	50.6	238.9	30,900	54.7	243.3	27,400										135
140	40.4	221.5	34,400	45.4	230.4	31,100	48.2	234.5	29,100	52.5	239.6	25,800	56.4	242.6	22,600							140
145	37.6	215.2	32,600	42.8	225.2	29,400	45.7	229.8	27,500	50.2	235.5	24,300	54.2	239.1	21,200							145
150	34.5	208.2	30,900	40.1	219.4	27,800	43.2	224.6	26,000	47.8	231.1	23,000	52.0	235.3	20,000							150
155	31.1	200.3	29,300	37.2	213.1	26,400	40.4	218.9	24,600	45.3	226.3	21,700	49.7	231.1	18,800							155
160	27.4	191.2	27,800	34.1	206.0	25,000	37.6	212.7	23,300	42.7	221.0	20,500	47.2	226.6	17,700	51.3	229.9	15,000				160
165	23.2	180.4	26,400*	30.7	198.0	23,700	34.5	205.7	22,000	40.0	215.3	19,300	44.7	221.7	16,600	49.0	225.6	14,000				165
170	17.9	166.8	24,900*	27.0	188.7	22,500	31.2	197.8	20,900	37.1	208.9	18,200	42.1	216.3	15,700	46.5	221.0	13,100				170
175	10.4	146.2	22,500*	22.6	177.7	21,300	27.4	188.7	19,800	33.9	201.7	17,200	39.3	210.4	14,700	44.0	216.0	12,300				175
180				17.3	163.5	20,200	23.2	177.9	18,700	30.5	193.7	16,300	36.4	203.9	13,900	41.3	210.5	11,500	45.6	214.3	9,200	180
185				9.1	141.4	19,100	18.0	164.2	17,700	26.8	184.3	15,400	33.2	196.6	13,000	38.5	204.4	10,800	43.0	209.1	8,500	185
190							10.4	143.8	16,700	22.4	173.2	14,500	29.7	188.3	12,300	35.5	197.6	10,000	40.3	203.4	7,900	190
195										16.9	158.8	13,700	25.8	178.6	11,500	32.2	190.1	9,400	37.4	197.0	7,300	195
200										8.5	135.7	12,800	21.3	166.9	10,800	28.7	181.4	8,700	34.3	190.0	6,700	200
205													15.4	151.4	10,100	24.6	171.2	8,100	31.0	182.1	6,100	205
210													4.7	121.9	9,300	19.8	158.7	7,500	27.2	172.9	5,600	210
215																13.3	141.3	6,900	22.9	162.0	5,100	215
220																			17.6	148.1	4,600	220
225																			9.8	126.9	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

105 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	75.9	283.3	77,500*																			60
65	74.2	281.9	74,800*																			65
70	72.4	280.3	72,100*																			70
75	70.6	278.6	69,900*																			75
80	68.8	276.7	68,300*																			80
85	67.0	274.7	65,600*	70.4	277.1	64,200																85
90	65.1	272.4	62,900*	68.6	275.2	59,200																90
95	63.3	269.9	60,000	66.8	273.1	54,900																95
100	61.4	267.3	55,800	64.9	270.8	51,000	67.0	272.1	48,100													100
105	59.4	264.4	52,100	63.1	268.3	47,500	65.2	269.8	44,800													105
110	57.4	261.3	48,800	61.1	265.6	44,400	63.3	267.4	41,800													110
115	55.4	257.9	45,700	59.2	262.7	41,600	61.4	264.7	39,100													115
120	53.3	254.2	43,000	57.2	259.5	39,000	59.4	261.8	36,700	63.0	264.3	32,700										120
125	51.2	250.3	40,500	55.2	256.1	36,700	57.4	258.7	34,400	61.0	261.6	30,700										125
130	48.9	246.0	38,200	53.1	252.4	34,600	55.4	255.3	32,400	59.1	258.6	28,800										130
135	46.7	241.4	36,100	50.9	248.5	32,600	53.3	251.7	30,500	57.1	255.5	27,100										135
140	44.3	236.4	34,100	48.7	244.2	30,800	51.2	247.7	28,800	55.0	252.1	25,500										140
145	41.8	231.0	32,300	46.4	239.5	29,100	49.0	243.5	27,200	53.0	248.4	24,000	56.6	251.3	20,900							145
150	39.2	225.1	30,600	44.0	234.5	27,500	46.7	238.9	25,700	50.8	244.4	22,600	54.6	247.8	19,600							150
155	36.4	218.5	29,000	41.5	229.0	26,000	44.3	233.9	24,300	48.6	240.1	21,300	52.5	244.1	18,400							155
160	33.4	211.2	27,600	38.9	223.0	24,700	41.8	228.5	23,000	46.3	235.4	20,100	50.3	240.0	17,300							160
165	30.2	203.0	26,200*	36.1	216.4	23,400	39.2	222.5	21,700	43.9	230.3	19,000	48.1	235.6	16,300	51.9	238.7	13,700				165
170	26.6	193.6	24,900*	33.1	209.0	22,200	36.4	216.0	20,600	41.4	224.8	17,900	45.7	230.9	15,300	49.7	234.6	12,800				170
175	22.4	182.4	23,500*	29.8	200.7	21,100	33.4	208.7	19,500	38.7	218.8	16,900	43.3	225.7	14,400	47.4	230.1	12,000				175
180	17.4	168.3	22,100*	26.1	191.1	20,000	30.2	200.5	18,500	35.9	212.1	16,000	40.8	220.1	13,600	45.1	225.2	11,200				180
185	10.0	147.1	20,100*	21.9	179.6	18,900	26.6	191.1	17,500	32.9	204.7	15,100	38.1	213.9	12,700	42.6	219.9	10,400	46.5	223.4	8,200	185
190				16.7	165.0	18,000	22.5	179.9	16,600	29.6	196.3	14,300	35.3	207.1	12,000	40.0	214.1	9,700	44.2	218.4	7,600	190
195				8.8	142.1	17,000	17.4	165.8	15,700	25.9	186.6	13,400	32.2	199.5	11,200	37.3	207.8	9,100	41.7	212.9	7,000	195
200							10.1	144.6	14,800	21.7	175.1	12,700	28.8	190.8	10,500	34.4	200.8	8,400	39.0	206.9	6,400	200
205										16.4	160.2	11,900	25.0	180.8	9,800	31.2	192.9	7,800	36.2	200.3	5,800	205
210										8.2	136.4	11,100	20.6	168.7	9,200	27.8	183.9	7,200	33.3	193.0	5,300	210
215													15.0	152.7	8,600	23.8	173.3	6,700	30.0	184.7	4,800	215
220													4.6	122.2	7,900	19.2	160.3	6,100	26.4	175.2	4,300	220
225																12.9	142.4	5,600				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

105 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	75.1	292.3	70,700*																			65
70	73.4	290.8	68,600*																			70
75	71.7	289.2	66,400*																			75
80	70.1	287.5	64,600*																			80
85	68.3	285.5	62,800*																			85
90	66.6	283.4	61,100*	69.9	285.9	58,600																90
95	64.9	281.1	58,700*	68.2	283.9	54,200																95
100	63.1	278.6	55,300	66.4	281.8	50,400																100
105	61.3	275.9	51,600	64.7	279.5	46,900	66.6	280.8	44,100													105
110	59.4	273.0	48,300	62.9	277.0	43,800	64.9	278.5	41,100													110
115	57.6	269.9	45,200	61.1	274.3	41,000	63.1	276.1	38,500													115
120	55.7	266.6	42,500	59.2	271.3	38,400	61.3	273.4	36,000													120
125	53.7	263.0	40,000	57.4	268.2	36,100	59.5	270.5	33,800	62.8	273.0	30,000										125
130	51.7	259.1	37,700	55.4	264.8	34,000	57.6	267.4	31,800	61.0	270.2	28,100										130
135	49.6	255.0	35,600	53.5	261.2	32,000	55.7	264.0	29,900	59.1	267.3	26,400										135
140	47.5	250.5	33,600	51.4	257.3	30,200	53.7	260.4	28,200	57.3	264.2	24,800										140
145	45.3	245.6	31,800	49.4	253.1	28,500	51.7	256.6	26,500	55.3	260.8	23,300										145
150	43.0	240.4	30,100	47.2	248.6	26,900	49.6	252.4	25,100	53.4	257.1	21,900	56.8	260.0	18,900							150
155	40.5	234.7	28,500	45.0	243.7	25,500	47.5	247.9	23,700	51.3	253.2	20,700	54.9	256.5	17,700							155
160	38.0	228.5	27,100*	42.7	238.4	24,100	45.3	243.1	22,400	49.3	249.0	19,500	52.9	252.8	16,600							160
165	35.3	221.7	25,700*	40.3	232.7	22,900	43.0	237.9	21,200	47.1	244.5	18,400	50.9	248.8	15,600							165
170	32.4	214.1	24,400*	37.7	226.4	21,700	40.6	232.2	20,000	44.9	239.6	17,300	48.8	244.6	14,600	52.3	247.5	12,100				170
175	29.3	205.6	23,100*	35.0	219.5	20,500	38.0	226.0	18,900	42.6	234.3	16,300	46.6	240.0	13,700	50.3	243.4	11,200				175
180	25.8	195.9	21,900*	32.1	211.9	19,500	35.3	219.2	17,900	40.1	228.5	15,400	44.4	235.0	12,900	48.2	239.1	10,500				180
185	21.8	184.3	20,700*	28.9	203.2	18,400	32.4	211.6	17,000	37.6	222.2	14,500	42.0	229.6	12,100	46.0	234.3	9,700				185
190	16.9	169.7	19,500*	25.4	193.3	17,500	29.3	203.1	16,000	34.9	215.3	13,700	39.6	223.7	11,300	43.7	229.2	9,000	47.4	232.4	6,800	190
195	9.8	147.9	17,600*	21.3	181.5	16,600	25.8	193.3	15,200	31.9	207.6	12,900	37.0	217.3	10,600	41.3	223.7	8,400	45.1	227.6	6,200	195
200				16.2	166.4	15,700	21.8	181.8	14,300	28.7	198.9	12,100	34.2	210.2	9,900	38.8	217.7	7,700	42.8	222.3	5,700	200
205				8.6	142.9	14,800	16.9	167.2	13,500	25.2	188.9	11,400	31.2	202.3	9,200	36.2	211.1	7,100	40.4	216.6	5,100	205
210							9.8	145.5	12,700	21.1	176.9	10,700	28.0	193.3	8,600	33.4	203.8	6,600	37.9	210.4	4,600	210
215										15.9	161.6	10,000	24.3	182.9	8,000	30.3	195.6	6,000	35.2	203.5	4,100	215
220										8.0	137.1	9,300	20.0	170.4	7,400	27.0	186.3	5,500				220
225													14.5	153.9	6,800	23.1	175.4	5,000				225
230													4.4	122.6	6,200	18.6	162.0	4,500				230
235																12.5	143.5	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

105 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	75.9	302.6	67,200*																65
70	74.3	301.3	65,100*																70
75	72.7	299.7	63,500*																75
80	71.1	298.1	62,300*																80
85	69.5	296.3	60,800*																85
90	67.9	294.3	59,200*	71.0	296.5	57,900*													90
95	66.3	292.1	57,200*	69.4	294.7	53,700													95
100	64.6	289.8	54,800	67.7	292.7	49,800													100
105	62.9	287.3	51,100	66.1	290.5	46,300	67.9	291.7	43,500										105
110	61.2	284.6	47,700	64.4	288.2	43,200	66.3	289.6	40,600										110
115	59.5	281.7	44,700	62.7	285.6	40,400	64.6	287.2	37,900										115
120	57.7	278.6	42,000	61.0	282.9	37,900	62.9	284.7	35,400										120
125	55.9	275.3	39,500	59.3	280.0	35,600	61.2	282.0	33,200										125
130	54.0	271.7	37,200	57.5	276.9	33,400	59.5	279.1	31,200	62.6	281.6	27,500							130
135	52.1	267.9	35,100	55.7	273.5	31,500	57.7	276.0	29,300	60.9	278.9	25,800							135
140	50.2	263.8	33,100	53.8	269.9	29,700	55.9	272.7	27,600	59.2	276.0	24,200							140
145	48.2	259.5	31,300	51.9	266.1	28,000	54.0	269.2	26,000	57.4	272.8	22,700							145
150	46.1	254.8	29,600	50.0	262.0	26,400	52.2	265.4	24,500	55.6	269.5	21,400							150
155	44.0	249.7	28,000	48.0	257.6	25,000	50.2	261.3	23,100	53.7	265.9	20,100	57.0	268.7	17,100				155
160	41.7	244.2	26,600*	45.9	252.8	23,600	48.2	256.9	21,800	51.8	262.0	18,900	55.2	265.2	16,000				160
165	39.4	238.3	25,200*	43.7	247.7	22,300	46.1	252.2	20,600	49.9	257.9	17,800	53.3	261.6	15,000				165
170	36.9	231.9	23,900*	41.5	242.2	21,100	44.0	247.1	19,500	47.9	253.5	16,700	51.4	257.7	14,100				170
175	34.3	224.8	22,600*	39.1	236.3	20,000	41.8	241.7	18,400	45.8	248.7	15,800	49.4	253.5	13,200	52.8	256.3	10,600	175
180	31.5	217.0	21,400*	36.7	229.7	19,000	39.4	235.8	17,400	43.6	243.6	14,800	47.4	249.0	12,300	50.8	252.3	9,900	180
185	28.5	208.2	20,300*	34.0	222.6	18,000	37.0	229.3	16,500	41.4	238.1	14,000	45.3	244.2	11,500	48.8	248.0	9,100	185
190	25.1	198.1	19,300*	31.2	214.7	17,000	34.3	222.3	15,500	39.0	232.1	13,100	43.1	238.9	10,800	46.8	243.4	8,400	190
195	21.2	186.2	18,200*	28.1	205.7	16,100	31.5	214.4	14,700	36.5	225.5	12,300	40.9	233.3	10,000	44.7	238.5	7,800	195
200	16.4	171.2	17,100*	24.7	195.5	15,200	28.5	205.6	13,900	33.9	218.3	11,600	38.5	227.2	9,300	42.5	233.1	7,200	200
205	9.5	148.7	15,400*	20.7	183.3	14,400	25.1	195.6	13,100	31.0	210.3	10,900	36.0	220.5	8,700	40.2	227.4	6,600	205
210				15.8	167.8	13,600	21.2	183.7	12,300	27.9	201.4	10,200	33.3	213.2	8,100	37.8	221.1	6,000	210
215				8.3	143.6	12,800	16.4	168.7	11,600	24.5	191.0	9,500	30.4	205.0	7,500	35.2	214.2	5,500	215
220							9.5	146.3	10,900	20.5	178.7	8,900	27.2	195.7	6,900	32.5	206.7	5,000	220
225										15.5	162.9	8,300	23.6	185.0	6,400	29.5	198.2	4,500	225
230										7.7	137.7	7,600	19.5	172.1	5,800	26.2	188.6	4,000	230
235													14.1	155.2	5,300				235
240													4.3	122.9	4,700				240

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

105 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
70	75.1	311.6	60,000*																70
75	73.6	310.2	59,000*																75
80	72.1	308.6	58,000*																80
85	70.6	306.9	57,000*																85
90	69.1	305.0	56,000*																90
95	67.5	303.0	55,100*	70.4	305.4	53,000													95
100	66.0	300.8	52,600*	68.9	303.5	49,200													100
105	64.4	298.5	50,100*	67.4	301.4	45,700													105
110	62.8	296.0	47,200	65.8	299.2	42,600	67.5	300.5	39,900										110
115	61.2	293.3	44,200	64.2	296.8	39,800	66.0	298.3	37,200										115
120	59.5	290.4	41,400	62.6	294.3	37,300	64.4	295.9	34,800										120
125	57.8	287.3	38,900	61.0	291.6	35,000	62.8	293.4	32,600										125
130	56.1	284.0	36,600	59.3	288.7	32,800	61.2	290.7	30,600										130
135	54.3	280.5	34,500	57.6	285.5	30,900	59.5	287.8	28,700	62.5	290.3	25,100							135
140	52.6	276.7	32,600	55.9	282.2	29,100	57.8	284.7	27,000	60.9	287.6	23,500							140
145	50.7	272.7	30,800	54.1	278.7	27,400	56.1	281.4	25,400	59.2	284.6	22,100							145
150	48.8	268.4	29,100	52.4	274.9	25,800	54.4	277.9	23,900	57.5	281.5	20,700							150
155	46.9	263.8	27,500	50.5	270.9	24,400	52.6	274.1	22,500	55.8	278.2	19,400							155
160	44.9	258.9	26,100*	48.6	266.5	23,000	50.7	270.1	21,200	54.1	274.6	18,200	57.2	277.3	15,300				160
165	42.8	253.6	24,700*	46.7	261.9	21,800	48.8	265.9	20,000	52.3	270.8	17,100	55.4	273.9	14,300				165
170	40.6	248.0	23,300*	44.7	257.0	20,600	46.9	261.3	18,900	50.4	266.8	16,100	53.7	270.3	13,400				170
175	38.4	241.8	22,100*	42.6	251.7	19,500	44.9	256.4	17,800	48.5	262.4	15,100	51.8	266.5	12,500				175
180	36.0	235.1	20,900*	40.4	245.9	18,400	42.8	251.1	16,800	46.6	257.8	14,200	50.0	262.4	11,600				180
185	33.4	227.8	19,800*	38.1	239.7	17,400	40.6	245.4	15,900	44.5	252.8	13,300	48.1	258.0	10,800	51.3	261.1	8,400	185
190	30.7	219.7	18,800*	35.7	233.0	16,500	38.4	239.3	15,000	42.4	247.5	12,500	46.1	253.3	10,100	49.4	256.9	7,700	190
195	27.7	210.6	17,800*	33.1	225.6	15,600	36.0	232.6	14,100	40.3	241.7	11,700	44.1	248.2	9,400	47.5	252.4	7,100	195
200	24.4	200.3	16,800*	30.4	217.4	14,700	33.4	225.3	13,300	38.0	235.5	11,000	42.0	242.8	8,700	45.5	247.6	6,500	200
205	20.6	188.0	15,900*	27.4	208.2	13,900	30.7	217.2	12,500	35.6	228.7	10,300	39.8	236.9	8,000	43.5	242.5	5,900	205
210	16.0	172.5	14,900*	24.0	197.6	13,100	27.8	208.1	11,800	33.0	221.3	9,600	37.4	230.6	7,400	41.3	236.9	5,300	210
215	9.2	149.5	13,300*	20.2	185.1	12,400	24.5	197.7	11,100	30.2	213.0	9,000	35.0	223.7	6,800	39.1	230.9	4,800	215
220				15.4	169.1	11,600	20.7	185.5	10,400	27.2	203.8	8,300	32.4	216.1	6,300	36.8	224.4	4,300	220
225				8.1	144.2	10,900	16.0	170.0	9,700	23.8	193.1	7,700	29.6	207.6	5,700				225
230							9.3	147.1	9,100	19.9	180.5	7,200	26.5	198.1	5,200				230
235										15.1	164.3	6,600	23.0	187.1	4,700				235
240										7.5	138.4	6,000	19.0	173.8	4,200				240

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

115 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	63.6	190.8	124,300*b																			50
55	58.9	188.0	116,800*b																			55
60	53.9	184.5	110,200*b	63.9	189.5	119,300b																60
65	48.6	180.3	104,300*	59.2	186.7	107,500b	64.9	188.8	104,000b													65
70	42.8	175.3	98,200*	54.2	183.3	97,800b	60.2	186.1	94,500b													70
75	36.2	169.0	88,700*	48.9	179.2	89,500	55.4	182.8	86,500b													75
80	28.3	160.7	80,600*	43.1	174.2	82,400	50.1	178.9	79,700	60.2	183.2	75,200b										80
85	17.2	148.1	73,700*	36.6	168.0	76,300	44.5	174.1	73,800	55.4	180.0	69,600b										85
90				28.8	159.8	70,900	38.1	168.2	68,600	50.1	176.0	64,700										90
95				18.0	147.7	66,100	30.7	160.6	64,000	44.5	171.2	60,400	55.1	176.1	56,700b							95
100							20.9	149.7	59,900	38.1	165.3	56,500	49.8	172.1	53,100							100
105										30.7	157.7	53,000	44.1	167.2	49,900							105
110										20.9	146.9	49,900	37.7	161.2	46,900	49.1	166.9	44,000				110
115													30.2	153.5	44,300	43.4	162.0	41,500				115
120													20.2	142.4	41,800	36.9	155.8	39,200	47.9	160.6	36,600	120
125																29.1	147.8	37,100	42.0	155.4	34,700	125
130																18.5	135.9	35,100	35.3	148.9	32,900	130
135																			27.2	140.3	31,200	135
140																			15.3	126.7	29,500	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

115 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS		
50	67.1	201.9	120,900*b																			50	
55	63.2	199.5	113,700*b																			55	
60	59.0	196.6	107,200*b	67.4	200.6	118,800b																60	
65	54.7	193.2	101,500*	63.4	198.2	107,100b																65	
70	50.1	189.3	96,300*	59.3	195.4	97,300b	64.3	197.5	94,000b													70	
75	45.2	184.6	89,000*	55.0	192.0	89,100	60.2	194.8	86,100b													75	
80	39.8	178.9	80,900*	50.4	188.1	82,100	56.0	191.5	79,200													80	
85	33.7	172.0	74,000*	45.5	183.4	76,000	51.5	187.7	73,400	60.2	191.9	69,000b										85	
90	26.3	163.0	68,100*	40.2	177.9	70,600	46.6	183.2	68,200	56.0	188.7	64,100										90	
95	16.0	149.5	62,900*	34.1	171.0	65,900	41.4	177.9	63,600	51.5	184.9	59,900										95	
100				26.8	162.2	61,700	35.5	171.4	59,600	46.6	180.4	56,000	55.7	184.8	52,500								100
105				16.8	149.1	57,800	28.6	163.1	55,900	41.4	175.1	52,600	51.2	180.9	49,300								105
110							19.5	151.4	52,600	35.5	168.6	49,500	46.4	176.4	46,400								110
115										28.6	160.3	46,700	41.1	171.0	43,800	50.6	175.8	40,900					115
120										19.5	148.6	44,100	35.2	164.4	41,400	45.7	171.2	38,600					120
125										28.2	156.0	39,200	28.2	156.0	39,200	40.4	165.7	36,600					125
130										18.8	144.0	37,100	18.8	144.0	37,100	34.3	158.9	34,700					130
135																27.1	150.2	32,900	44.6	164.8	32,300		135
140																17.2	137.3	31,200	32.9	151.9	29,100		140
145																			25.3	142.6	27,600		145
150																			14.2	127.9	26,200		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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

115 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	
50	69.8	212.7	117,900*b																			50
55	66.4	210.6	110,900*b																			55
60	62.8	208.2	104,700*	70.0	211.4	116,800*b																60
65	59.1	205.3	99,100*	66.6	209.3	106,700b																65
70	55.3	202.0	94,000*	63.0	206.9	97,000	67.3	208.5	93,600b													70
75	51.3	198.1	89,300*	59.4	204.0	88,700	63.8	206.2	85,600b													75
80	47.0	193.7	81,100*	55.6	200.7	81,700	60.2	203.4	78,800													80
85	42.5	188.5	74,200*	51.6	196.9	75,600	56.4	200.2	73,000													85
90	37.4	182.3	68,200*	47.3	192.5	70,300	52.5	196.5	67,800	60.2	200.6	63,700										90
95	31.7	174.9	63,000*	42.7	187.4	65,600	48.3	192.3	63,300	56.4	197.4	59,400										95
100	24.8	165.2	58,500*	37.7	181.3	61,500	43.8	187.3	59,300	52.5	193.7	55,600										100
105	15.0	150.7	54,400*	32.1	173.9	57,700	38.9	181.5	55,700	48.3	189.4	52,300	56.2	193.5	48,900							105
110				25.2	164.4	54,300	33.4	174.4	52,400	43.8	184.5	49,200	52.2	189.8	46,000							110
115				15.8	150.5	51,200	26.9	165.5	49,400	38.9	178.6	46,400	48.0	185.5	43,400							115
120							18.3	153.0	46,700	33.4	171.6	43,900	43.5	180.5	41,000	51.7	184.7	38,200				120
125										26.9	162.7	41,500	38.6	174.5	38,800	47.5	180.3	36,200				125
130										18.3	150.1	39,400	33.0	167.4	36,800	42.9	175.2	34,300				130
135													26.5	158.4	35,000	37.9	169.2	32,600	46.5	173.9	30,200	135
140													17.7	145.5	33,200	32.3	161.8	30,900	41.9	168.6	28,700	140
145																25.5	152.4	29,400	36.8	162.4	27,300	145
150																16.2	138.7	28,000	30.9	154.7	26,000	150
155																			23.8	144.7	24,700	155
160																			13.4	129.0	23,500	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

115 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 CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	71.9	223.3	114,500* ^b																			50
55	68.9	221.5	107,800* ^b																			55
60	65.7	219.3	101,900*																			60
65	62.5	216.8	96,500*	69.0	220.2	106,200 ^b																65
70	59.2	213.9	91,600*	65.9	218.0	96,500																70
75	55.8	210.7	87,100*	62.7	215.5	88,300	66.6	217.2	85,100													75
80	52.2	206.9	81,000*	59.4	212.7	81,300	63.4	214.8	78,300													80
85	48.5	202.7	74,000*	56.0	209.5	75,200	60.2	212.1	72,500													85
90	44.5	197.8	68,000*	52.5	205.8	69,900	56.8	208.9	67,300													90
95	40.2	192.2	62,800*	48.7	201.5	65,200	53.3	205.3	62,800	60.2	209.2	58,900										95
100	35.4	185.5	58,300*	44.7	196.7	61,100	49.6	201.2	58,800	56.8	206.1	55,100										100
105	30.0	177.5	54,200*	40.4	191.1	57,300	45.6	196.5	55,200	53.3	202.5	51,700										105
110	23.4	167.3	50,600*	35.7	184.6	54,000	41.4	191.1	52,000	49.6	198.4	48,700	56.6	202.2	45,400							110
115	14.2	151.9	47,400*	30.3	176.6	50,900	36.8	184.8	49,100	45.6	193.7	45,900	53.1	198.5	42,800							115
120				23.9	166.5	48,100	31.6	177.2	46,400	41.4	188.3	43,400	49.3	194.4	40,400							120
125				14.9	151.7	45,500	25.4	167.8	43,900	36.8	182.0	41,100	45.4	189.7	38,300	52.6	193.5	35,500				125
130							17.3	154.5	41,600	31.6	174.4	39,000	41.2	184.2	36,300	48.8	189.3	33,700				130
135										25.4	164.9	37,000	36.5	177.9	34,500	44.9	184.5	32,000				135
140										17.3	151.6	35,100	31.3	170.2	32,800	40.6	178.9	30,400	48.0	183.0	28,000	140
145													25.0	160.6	31,200	35.9	172.4	28,900	44.0	178.0	26,700	145
150													16.7	146.9	29,700	30.5	164.6	27,500	39.6	172.3	25,400	150
155																24.1	154.6	26,200	34.8	165.5	24,200	155
160																15.3	140.0	25,000	29.3	157.3	23,000	160
165																			22.5	146.6	22,000	165
170																			12.6	130.1	20,900	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

115 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	
50	73.6	233.9	110,800* ^b																			50
55	70.9	232.2	104,500* ^b																			55
60	68.1	230.2	98,900*																			60
65	65.2	228.0	93,700*	71.0	230.9	103,700* ^b																65
70	62.3	225.5	89,100*	68.2	228.9	96,000																70
75	59.3	222.6	84,800*	65.4	226.7	87,800																75
80	56.2	219.4	80,900*	62.5	224.2	80,800	66.0	226.0	77,800													80
85	53.0	215.7	76,100*	59.5	221.4	74,700	63.1	223.5	72,000													85
90	49.6	211.6	69,900*	56.4	218.1	69,500	60.2	220.7	66,900													90
95	46.1	207.0	64,500*	53.2	214.5	64,800	57.1	217.6	62,400													95
100	42.3	201.7	59,800*	49.8	210.5	60,600	53.9	214.1	58,400	60.2	217.9	54,600										100
105	38.2	195.7	55,700*	46.3	205.9	56,900	50.6	210.1	54,800	57.1	214.8	51,200										105
110	33.7	188.6	52,000*	42.5	200.6	53,600	47.1	205.6	51,600	53.9	211.2	48,200										110
115	28.5	180.1	48,700*	38.4	194.6	50,600	43.4	200.6	48,600	50.6	207.3	45,400	56.9	210.9	42,300							115
120	22.3	169.2	45,700*	34.0	187.6	47,800	39.4	194.7	46,000	47.1	202.8	42,900	53.7	207.3	39,900							120
125	13.5	153.1	42,100*	28.9	179.2	45,300	35.0	188.0	43,600	43.4	197.7	40,700	50.4	203.3	37,800							125
130				22.7	168.5	43,000	30.1	179.9	41,300	39.4	191.9	38,600	46.9	198.8	35,800							130
135				14.2	152.9	40,800	24.2	169.9	39,200	35.0	185.1	36,600	43.1	193.7	34,000	49.9	198.2	31,500				135
140							16.5	155.9	37,300	30.1	177.1	34,800	39.1	187.8	32,300	46.4	193.6	29,900				140
145										24.2	167.0	33,100	34.7	181.0	30,800	42.6	188.4	28,400				145
150										16.5	153.0	31,500	29.7	172.9	29,300	38.6	182.5	27,100	45.6	187.2	24,900	150
155													23.8	162.7	27,900	34.1	175.5	25,800	41.8	181.9	23,700	155
160													15.9	148.3	26,600	29.1	167.1	24,600	37.7	175.7	22,600	160
165																23.0	156.6	23,500	33.1	168.5	21,500	165
170																14.6	141.3	22,400	27.8	159.8	20,600	170
175																			21.4	148.5	19,600	175
180																			12.0	131.1	18,700	180

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

115 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	75.0	244.3	107,400*b																			50
55	72.5	242.8	101,500*b																			55
60	70.0	241.0	96,100*																			60
65	67.4	239.0	91,200*																			65
70	64.8	236.7	86,800*	70.1	239.7	95,400*																70
75	62.1	234.1	82,700*	67.6	237.7	87,300																75
80	59.4	231.3	78,900*	65.0	235.4	80,300																80
85	56.5	228.1	75,400*	62.3	232.9	74,300	65.5	234.7	71,500													85
90	53.6	224.5	69,500*	59.5	230.0	69,000	62.9	232.2	66,400													90
95	50.5	220.5	64,100*	56.7	226.8	64,300	60.1	229.4	61,900													95
100	47.3	216.1	59,400*	53.8	223.3	60,200	57.3	226.3	57,900	62.9	229.3	54,000										100
105	44.0	211.1	55,300*	50.7	219.3	56,500	54.4	222.8	54,300	60.1	226.5	50,700										105
110	40.4	205.4	51,600*	47.5	214.9	53,200	51.4	219.0	51,100	57.3	223.4	47,600										110
115	36.5	199.0	48,200*	44.2	209.9	50,200	48.3	214.6	48,200	54.4	220.0	44,900										115
120	32.2	191.5	45,200*	40.6	204.3	47,400	44.9	209.8	45,500	51.4	216.1	42,400	57.2	219.5	39,400							120
125	27.3	182.5	42,500*	36.7	198.0	44,900	41.4	204.4	43,100	48.3	211.8	40,200	54.3	216.1	37,200							125
130	21.3	171.1	40,100*	32.4	190.5	42,600	37.6	198.2	40,900	44.9	207.0	38,100	51.2	212.2	35,300							130
135	12.9	154.2	37,100*	27.6	181.7	40,500	33.4	191.0	38,900	41.4	201.5	36,100	48.1	207.8	33,500							135
140				21.7	170.4	38,500	28.7	182.5	37,000	37.6	195.3	34,400	44.7	203.0	31,800	50.8	207.1	29,300				140
145				13.5	154.1	36,600	23.1	171.9	35,200	33.4	188.1	32,700	41.2	197.5	30,300	47.7	202.7	27,900				145
150							15.7	157.2	33,500	28.7	179.6	31,200	37.4	191.2	28,800	44.3	197.7	26,500				150
155										23.1	169.1	29,700	33.2	184.0	27,500	40.7	192.2	25,300	46.9	196.3	23,100	155
160										15.7	154.4	28,300	28.4	175.4	26,200	36.9	185.8	24,100	43.5	191.3	22,000	160
165													22.8	164.7	25,000	32.6	178.4	23,000	39.9	185.5	21,000	165
170													15.2	149.6	23,900	27.8	169.6	21,900	36.0	179.0	20,000	170
175																21.9	158.5	20,900	31.6	171.3	19,100	175
180																13.9	142.5	20,000	26.6	162.1	18,200	180
185																			20.5	150.3	17,400	185
190																			11.5	132.1	16,500	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

115 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	73.9	253.2	98,700*																			55
60	71.6	251.6	93,600*																			60
65	69.2	249.8	89,000*																			65
70	66.9	247.7	84,700*																			70
75	64.4	245.4	80,800*	69.4	248.5	87,000																75
80	62.0	242.8	77,100*	67.0	246.4	80,100																80
85	59.4	239.9	73,800*	64.6	244.1	74,000	67.5	245.6	71,200													85
90	56.8	236.8	69,400*	62.1	241.5	68,800	65.1	243.4	66,100													90
95	54.1	233.2	64,000*	59.6	238.7	64,100	62.7	240.8	61,600													95
100	51.3	229.4	59,300*	57.0	235.5	60,000	60.1	238.1	57,600													100
105	48.4	225.0	55,100*	54.3	232.0	56,300	57.5	235.0	54,100	62.7	238.0	50,400										105
110	45.4	220.3	51,400*	51.5	228.2	53,000	54.9	231.5	50,900	60.1	235.2	47,400										110
115	42.1	214.9	48,100*	48.6	223.9	50,000	52.1	227.8	48,000	57.5	232.1	44,700										115
120	38.7	209.0	45,100*	45.5	219.1	47,200	49.2	223.6	45,300	54.9	228.7	42,200										120
125	35.0	202.1	42,400*	42.3	213.9	44,800	46.2	219.0	42,900	52.1	224.9	39,900	57.4	228.2	37,000							125
130	30.9	194.2	39,900*	38.9	207.9	42,500	43.1	213.8	40,700	49.2	220.7	37,900	54.7	224.8	35,000							130
135	26.1	184.8	37,700*	35.2	201.1	40,300	39.7	208.0	38,700	46.2	216.1	35,900	51.9	221.0	33,200							135
140	20.4	172.9	35,600*	31.1	193.3	38,400	36.1	201.4	36,800	43.1	210.9	34,200	49.1	216.8	31,600							140
145	12.4	155.2	33,000*	26.5	184.0	36,600	32.1	193.9	35,100	39.7	205.1	32,500	46.1	212.1	30,100	51.6	215.9	27,600				145
150				20.8	172.3	34,900	27.5	184.9	33,400	36.1	198.6	31,000	42.9	206.9	28,600	48.7	211.7	26,300				150
155				13.0	155.2	33,200	22.2	173.9	31,900	32.1	191.0	29,600	39.5	201.1	27,300	45.7	206.9	25,100				155
160							15.1	158.5	30,400	27.5	182.1	28,300	35.8	194.5	26,100	42.5	201.7	23,900				160
165										22.2	171.0	27,000	31.8	186.8	24,900	39.0	195.7	22,800	45.0	200.5	20,800	165
170										15.1	155.7	25,800	27.3	177.8	23,800	35.3	189.0	21,800	41.7	195.1	19,800	170
175													21.8	166.6	22,700	31.3	181.2	20,800	38.3	189.0	18,900	175
180													14.6	150.9	21,700	26.6	172.0	19,900	34.5	182.1	18,100	180
185																21.0	160.3	19,000	30.3	174.0	17,200	185
190																13.3	143.6	18,100	25.5	164.4	16,500	190
195																			19.6	152.0	15,700	195
200																			11.0	133.0	15,000	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

115 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	75.1	263.6	95,500*																			55
60	73.0	262.2	90,800*																			60
65	70.8	260.5	86,400*																			65
70	68.6	258.6	82,300*																			70
75	66.4	256.4	78,600*	70.9	259.1	77,400																75
80	64.1	254.1	75,100*	68.7	257.3	70,800																80
85	61.8	251.5	71,500	66.5	255.1	65,200																85
90	59.5	248.6	66,200	64.3	252.8	60,300	67.0	254.3	56,700													90
95	57.0	245.4	61,500	62.0	250.2	55,900	64.8	252.1	52,600													95
100	54.5	242.0	57,300	59.6	247.3	52,000	62.5	249.5	48,900													100
105	52.0	238.2	53,600	57.2	244.2	48,600	60.1	246.7	45,600													105
110	49.3	234.0	50,200	54.7	240.8	45,500	57.7	243.6	42,700	62.5	246.7	38,000										110
115	46.5	229.4	47,200	52.1	237.0	42,700	55.3	240.3	40,000	60.1	243.9	35,600										115
120	43.6	224.3	44,400	49.5	232.8	40,100	52.7	236.6	37,600	57.7	240.8	33,300										120
125	40.5	218.7	41,900*	46.7	228.2	37,800	50.1	232.5	35,300	55.3	237.4	31,300										125
130	37.2	212.3	39,500*	43.8	223.2	35,600	47.3	228.0	33,300	52.7	233.7	29,400	57.6	236.9	25,600							130
135	33.6	205.2	37,200*	40.7	217.6	33,700	44.4	223.1	31,400	50.1	229.6	27,700	55.1	233.5	24,100							135
140	29.7	196.9	35,100*	37.4	211.3	31,800	41.4	217.6	29,700	47.3	225.2	26,100	52.6	229.8	22,700							140
145	25.2	187.0	33,200*	33.9	204.2	30,100	38.2	211.5	28,100	44.4	220.2	24,700	49.9	225.7	21,300							145
150	19.7	174.6	31,500*	29.9	196.0	28,500	34.7	204.6	26,600	41.4	214.7	23,300	47.2	221.2	20,100	52.2	224.7	16,900				150
155	11.9	156.2	29,200*	25.5	186.3	27,100	30.8	196.6	25,200	38.2	208.6	22,000	44.3	216.2	18,900	49.6	220.6	15,900				155
160				20.0	174.0	25,600	26.5	187.3	23,800	34.7	201.7	20,800	41.2	210.7	17,800	46.8	216.0	14,900				160
165				12.5	156.3	24,300	21.4	175.7	22,600	30.8	193.8	19,700	38.0	204.5	16,800	43.9	211.0	14,000				165
170							14.5	159.8	21,400	26.5	184.4	18,600	34.5	197.6	15,800	40.8	205.4	13,100	46.2	209.6	10,500	170
175										21.4	172.9	17,600	30.6	189.6	14,900	37.5	199.2	12,300	43.2	204.5	9,800	175
180										14.5	156.9	16,600	26.2	180.1	14,100	34.0	192.1	11,500	40.1	198.8	9,100	180
185													21.0	168.4	13,200	30.1	183.9	10,800	36.8	192.4	8,400	185
190													14.0	152.1	12,400	25.6	174.2	10,100	33.2	185.1	7,800	190
195																20.3	162.1	9,400	29.2	176.6	7,200	195
200																12.8	144.7	8,700	24.6	166.5	6,600	200
205																			18.9	153.7	6,000	205
210																			10.6	133.9	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

115 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	74.1	272.6	87,400*																			60
65	72.1	271.0	83,300*																			65
70	70.1	269.3	79,500*																			70
75	68.0	267.3	76,000*																			75
80	66.0	265.2	72,700*	70.2	268.0	70,200																80
85	63.8	262.8	69,700*	68.2	266.0	64,600																85
90	61.7	260.1	65,600	66.1	263.9	59,600																90
95	59.5	257.3	60,900	64.0	261.5	55,300	66.6	263.1	51,900													95
100	57.2	254.1	56,800	61.8	258.9	51,400	64.4	260.7	48,300													100
105	54.9	250.7	53,000	59.6	256.0	48,000	62.3	258.2	45,000													105
110	52.5	247.0	49,700	57.4	252.9	44,900	60.1	255.4	42,000													110
115	50.1	242.9	46,600	55.1	249.5	42,100	57.9	252.3	39,400	62.3	255.3	34,900										115
120	47.5	238.4	43,900	52.7	245.8	39,500	55.6	249.0	36,900	60.1	252.5	32,700										120
125	44.8	233.5	41,300	50.2	241.7	37,200	53.2	245.3	34,700	57.9	249.5	30,700										125
130	42.0	228.2	39,000	47.7	237.3	35,100	50.8	241.3	32,700	55.6	246.1	28,800										130
135	39.1	222.2	36,900	45.0	232.4	33,100	48.2	237.0	30,800	53.2	242.5	27,100	57.7	245.6	23,400							135
140	35.9	215.6	34,900	42.2	227.1	31,300	45.6	232.2	29,100	50.8	238.5	25,500	55.4	242.2	22,000							140
145	32.5	208.1	33,100	39.3	221.2	29,600	42.8	227.0	27,500	48.2	234.2	24,100	53.1	238.5	20,700							145
150	28.6	199.4	31,400	36.1	214.6	28,000	39.9	221.2	26,000	45.6	229.4	22,700	50.6	234.5	19,400							150
155	24.3	189.2	29,800	32.7	207.1	26,600	36.8	214.8	24,600	42.8	224.2	21,400	48.1	230.2	18,300	52.8	233.5	15,200				155
160	19.0	176.2	28,200	28.9	198.6	25,200	33.5	207.6	23,300	39.9	218.4	20,200	45.5	225.4	17,200	50.3	229.5	14,200				160
165	11.5	157.2	25,200*	24.6	188.4	23,900	29.8	199.3	22,100	36.8	212.0	19,100	42.7	220.1	16,200	47.8	225.0	13,300				165
170				19.3	175.7	22,600	25.6	189.6	20,900	33.5	204.7	18,100	39.8	214.3	15,200	45.1	220.2	12,500				170
175				12.0	157.3	21,400	20.6	177.5	19,800	29.8	196.4	17,100	36.6	207.9	14,300	42.3	214.9	11,700	47.2	218.7	9,100	175
180							14.0	161.0	18,800	25.6	186.7	16,100	33.3	200.6	13,500	39.4	209.0	10,900	44.5	213.8	8,400	180
185										20.6	174.7	15,200	29.5	192.2	12,700	36.2	202.4	10,200	41.7	208.3	7,800	185
190										14.0	158.1	14,300	25.3	182.4	11,900	32.8	195.0	9,500	38.7	202.3	7,200	190
195													20.3	170.2	11,200	29.0	186.5	8,800	35.5	195.6	6,600	195
200													13.5	153.2	10,400	24.7	176.4	8,200	32.0	188.0	6,000	200
205																19.5	163.8	7,600	28.2	179.1	5,500	205
210																12.4	145.8	7,000	23.7	168.6	5,000	210
215																			18.2	155.2	4,400	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

115 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS		
60	75.1	283.0	82,800*																			60	
65	73.3	281.5	79,400*																			65	
70	71.4	279.9	77,100*																			70	
75	69.5	278.1	73,800*																			75	
80	67.6	276.1	70,700*																			80	
85	65.6	273.9	67,700*	69.6	276.8	63,900																85	
90	63.6	271.4	65,000*	67.7	274.8	59,000																90	
95	61.6	268.8	60,400	65.7	272.6	54,700																95	
100	59.5	265.9	56,200	63.7	270.2	50,800	66.2	271.8	47,600													100	
105	57.4	262.8	52,500	61.7	267.5	47,400	64.2	269.4	44,300													105	
110	55.2	259.4	49,100	59.6	264.7	44,300	62.2	266.8	41,400													110	
115	53.0	255.7	46,100	57.5	261.6	41,500	60.1	264.0	38,700													115	
120	50.7	251.7	43,300	55.4	258.2	38,900	58.0	261.0	36,300	62.2	264.0	31,900										120	
125	48.4	247.4	40,800	53.2	254.5	36,600	55.9	257.7	34,100	60.1	261.2	29,900										125	
130	45.9	242.7	38,500	50.9	250.6	34,500	53.7	254.1	32,100	58.0	258.1	28,100										130	
135	43.3	237.5	36,400	48.5	246.2	32,500	51.4	250.2	30,200	55.9	254.8	26,400										135	
140	40.6	231.9	34,400	46.1	241.6	30,700	49.0	245.9	28,500	53.7	251.2	24,800	57.9	254.2	21,200							140	
145	37.8	225.7	32,600	43.5	236.4	29,000	46.6	241.3	26,900	51.4	247.3	23,400	55.7	250.9	19,900							145	
150	34.7	218.7	30,900	40.8	230.8	27,500	44.1	236.3	25,400	49.0	243.1	22,000	53.5	247.3	18,700							150	
155	31.4	210.9	29,300	37.9	224.6	26,000	41.4	230.8	24,000	46.6	238.5	20,800	51.3	243.4	17,600							155	
160	27.7	201.9	27,800	34.9	217.7	24,600	38.6	224.8	22,700	44.1	233.5	19,600	48.9	239.1	16,500							160	
165	23.5	191.2	26,400	31.6	210.0	23,400	35.6	218.0	21,500	41.4	228.0	18,500	46.5	234.5	15,500	51.0	238.3	12,600				165	
170	18.4	177.8	25,100	27.9	201.1	22,200	32.3	210.5	20,400	38.6	221.9	17,400	43.9	229.5	14,600	48.6	234.0	11,700				170	
175	11.1	158.2	22,200*	23.8	190.5	21,000	28.8	201.9	19,300	35.6	215.2	16,500	41.3	223.9	13,700	46.1	229.3	10,900				175	
180				18.7	177.3	19,900	24.7	191.7	18,300	32.3	207.6	15,500	38.4	217.8	12,800	43.6	224.2	10,200				180	
185				11.6	158.3	18,800	19.9	179.3	17,300	28.8	199.0	14,700	35.4	211.1	12,000	40.9	218.6	9,500	45.6	222.9	7,000	185	
190							13.5	162.2	16,300	24.7	188.9	13,800	32.2	203.5	11,300	38.1	212.5	8,800	43.0	217.7	6,400	190	
195										19.9	176.4	13,000	28.6	194.8	10,600	35.0	205.6	8,200	40.3	212.0	5,800	195	
200										13.5	159.3	12,200	24.5	184.5	9,900	31.7	197.9	7,500	37.4	205.7	5,300	200	
205													19.6	171.9	9,200	28.1	189.0	7,000	34.3	198.7	4,800	205	
210																							210
215																							215
220																							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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

115 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	
60	76.0	293.4	77,600*																			60
65	74.3	292.0	75,000*																			65
70	72.5	290.5	72,400*																			70
75	70.7	288.8	69,900*																			75
80	68.9	286.9	68,800*																			80
85	67.1	284.8	66,000*	70.9	287.4	63,500																85
90	65.3	282.6	63,400*	69.1	285.6	58,600																90
95	63.4	280.1	60,000	67.2	283.5	54,300																95
100	61.5	277.5	55,900	65.4	281.3	50,400	67.6	282.7	47,200													100
105	59.5	274.6	52,100	63.5	278.8	47,000	65.8	280.5	43,900													105
110	57.6	271.5	48,800	61.6	276.2	43,900	63.9	278.1	41,000													110
115	55.5	268.1	45,800	59.7	273.3	41,100	62.0	275.5	38,300													115
120	53.5	264.5	43,000	57.7	270.2	38,600	60.1	272.7	35,900													120
125	51.3	260.6	40,500	55.7	266.9	36,300	58.1	269.7	33,700	62.0	272.7	29,600										125
130	49.1	256.3	38,200	53.6	263.3	34,100	56.1	266.4	31,700	60.1	269.8	27,700										130
135	46.8	251.8	36,100	51.4	259.4	32,200	54.0	262.8	29,900	58.1	266.8	26,000										135
140	44.4	246.8	34,100	49.2	255.2	30,400	51.9	259.0	28,100	56.1	263.5	24,500										140
145	42.0	241.4	32,300	47.0	250.6	28,700	49.7	254.9	26,600	54.0	260.0	23,000	58.0	262.9	19,500							145
150	39.4	235.5	30,600	44.6	245.7	27,200	47.5	250.4	25,100	51.9	256.1	21,700	56.0	259.6	18,300							150
155	36.6	229.0	29,000	42.1	240.3	25,700	45.1	245.5	23,700	49.7	252.0	20,400	53.9	256.0	17,200							155
160	33.6	221.8	27,600	39.5	234.4	24,300	42.7	240.3	22,400	47.5	247.5	19,300	51.8	252.2	16,100							160
165	30.4	213.6	26,200	36.8	228.0	23,100	40.1	234.5	21,200	45.1	242.7	18,200	49.6	248.0	15,100							165
170	26.8	204.3	24,900	33.8	220.8	21,900	37.4	228.2	20,100	42.7	237.4	17,100	47.3	243.6	14,200	51.5	247.1	11,400				170
175	22.8	193.2	23,600	30.6	212.7	20,800	34.5	221.2	19,000	40.1	231.6	16,200	45.0	238.7	13,300	49.3	242.9	10,600				175
180	17.8	179.4	22,400	27.1	203.5	19,700	31.3	213.3	18,000	37.4	225.3	15,200	42.5	233.4	12,500	47.0	238.4	9,800				180
185	10.7	159.1	19,700*	23.0	192.5	18,700	27.9	204.3	17,100	34.5	218.3	14,400	40.0	227.6	11,700	44.7	233.5	9,100				185
190				18.1	178.9	17,700	24.0	193.9	16,100	31.3	210.4	13,500	37.2	221.2	11,000	42.2	228.1	8,500	46.5	232.0	6,100	190
195				11.3	159.2	16,700	19.3	181.0	15,300	27.9	201.5	12,800	34.3	214.2	10,300	39.6	222.3	7,800	44.2	227.0	5,500	195
200							13.1	163.3	14,400	24.0	191.0	12,000	31.2	206.3	9,600	36.9	215.8	7,200	41.7	221.6	5,000	200
205										19.3	178.1	11,300	27.7	197.2	9,000	33.9	208.7	6,700	39.0	215.6	4,500	205
210										13.1	160.4	10,600	23.7	186.6	8,300	30.7	200.6	6,100	36.2	209.0	4,000	210
215													19.0	173.6	7,700	27.2	191.4	5,600				215
220													12.7	155.4	7,100	23.2	180.6	5,100				220
225																18.3	167.1	4,600				225
230																11.6	147.8	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

115 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	75.2	302.4	70,800*																65
70	73.5	300.9	68,800*																70
75	71.9	299.3	66,700*																75
80	70.2	297.6	65,000*																80
85	68.5	295.6	63,200*																85
90	66.7	293.5	61,500*	70.3	296.3	58,000													90
95	65.0	291.3	59,200*	68.6	294.3	53,600													95
100	63.2	288.8	55,300	66.8	292.2	49,800													100
105	61.4	286.1	51,600	65.1	290.0	46,400	67.2	291.4	43,200										105
110	59.6	283.2	48,300	63.3	287.5	43,300	65.5	289.2	40,300										110
115	57.7	280.1	45,200	61.5	284.9	40,500	63.7	286.8	37,700										115
120	55.8	276.8	42,500	59.7	282.0	38,000	61.9	284.2	35,300										120
125	53.8	273.2	40,000	57.8	278.9	35,700	60.1	281.4	33,100										125
130	51.8	269.4	37,700	55.9	275.6	33,500	58.2	278.3	31,100	61.9	281.3	27,000							130
135	49.8	265.2	35,600	54.0	272.0	31,600	56.3	275.1	29,200	60.1	278.5	25,300							135
140	47.6	260.8	33,600	51.9	268.2	29,800	54.4	271.6	27,500	58.2	275.5	23,800							140
145	45.4	256.0	31,800	49.9	264.1	28,100	52.4	267.8	25,900	56.3	272.2	22,300							145
150	43.1	250.8	30,100	47.8	259.6	26,600	50.3	263.7	24,500	54.4	268.7	21,000							150
155	40.7	245.1	28,500	45.6	254.9	25,100	48.2	259.4	23,100	52.4	264.9	19,800	56.2	268.3	16,500				155
160	38.2	239.0	27,100	43.3	249.7	23,800	46.0	254.7	21,800	50.3	260.9	18,600	54.3	264.8	15,400				160
165	35.5	232.2	25,700	40.9	244.1	22,500	43.8	249.6	20,600	48.2	256.5	17,500	52.3	261.0	14,400				165
170	32.6	224.7	24,400*	38.3	237.9	21,300	41.4	244.0	19,500	46.0	251.8	16,500	50.2	256.9	13,500				170
175	29.5	216.3	23,200*	35.7	231.2	20,200	38.9	238.0	18,400	43.8	246.7	15,500	48.1	252.5	12,600	52.0	255.9	9,800	175
180	26.1	206.6	22,000*	32.8	223.7	19,200	36.3	231.4	17,400	41.4	241.2	14,600	45.9	247.8	11,800	50.0	251.8	9,100	180
185	22.1	195.2	20,900*	29.7	215.4	18,200	33.5	224.2	16,500	38.9	235.2	13,700	43.6	242.7	11,000	47.8	247.4	8,400	185
190	17.3	180.9	19,800*	26.3	205.8	17,200	30.4	216.0	15,600	36.3	228.6	12,900	41.3	237.2	10,300	45.6	242.6	7,800	190
195	10.4	160.0	17,300*	22.4	194.5	16,300	27.1	206.7	14,700	33.5	221.3	12,200	38.8	231.1	9,600	43.3	237.5	7,100	195
200				17.6	180.4	15,400	23.3	195.9	13,900	30.4	213.2	11,400	36.1	224.5	9,000	41.0	231.9	6,500	200
205				11.0	160.2	14,500	18.8	182.6	13,100	27.1	203.9	10,700	33.3	217.2	8,300	38.4	225.8	6,000	205
210							12.7	164.4	12,300	23.3	193.1	10,000	30.2	209.0	7,700	35.8	219.0	5,400	210
215										18.8	179.8	9,400	26.9	199.6	7,100	32.9	211.6	4,900	215
220										12.7	161.5	8,700	23.0	188.7	6,600	29.8	203.3	4,400	220
225													18.5	175.2	6,000				225
230													12.3	156.5	5,500				230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

115 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	76.0	312.7	67,500*																65
70	74.4	311.4	65,300*																70
75	72.8	309.9	63,700*																75
80	71.3	308.2	62,500*																80
85	69.7	306.4	61,100*																85
90	68.0	304.4	59,600*																90
95	66.4	302.3	57,600*	69.8	305.1	53,000													95
100	64.7	300.0	54,800	68.1	303.1	49,200													100
105	63.0	297.5	51,100	66.5	301.0	45,800													105
110	61.3	294.8	47,700	64.8	298.7	42,700	66.9	300.2	39,700										110
115	59.6	291.9	44,700	63.2	296.2	39,900	65.2	297.9	37,100										115
120	57.8	288.8	42,000	61.4	293.5	37,400	63.5	295.5	34,700										120
125	56.0	285.5	39,500	59.7	290.7	35,100	61.8	292.8	32,500										125
130	54.2	282.0	37,200	57.9	287.6	33,000	60.1	290.0	30,500										130
135	52.3	278.2	35,000	56.1	284.3	31,000	58.3	287.0	28,700	61.8	290.0	24,700							135
140	50.3	274.1	33,100	54.3	280.8	29,300	56.5	283.7	27,000	60.1	287.2	23,200							140
145	48.3	269.8	31,300	52.4	277.0	27,600	54.7	280.3	25,400	58.3	284.1	21,700							145
150	46.3	265.1	29,600	50.5	272.9	26,000	52.8	276.6	23,900	56.5	280.9	20,400							150
155	44.1	260.1	28,000	48.5	268.6	24,600	50.9	272.6	22,600	54.7	277.4	19,200							155
160	41.9	254.6	26,600	46.4	264.0	23,300	48.9	268.3	21,300	52.8	273.7	18,000	56.4	277.0	14,800				160
165	39.6	248.7	25,200	44.3	258.9	22,000	46.9	263.7	20,100	50.9	269.7	16,900	54.6	273.5	13,800				165
170	37.1	242.3	23,900	42.0	253.5	20,800	44.7	258.8	19,000	48.9	265.5	15,900	52.7	269.8	12,900				170
175	34.5	235.3	22,700*	39.7	247.7	19,700	42.5	253.5	17,900	46.9	260.9	15,000	50.8	265.8	12,000				175
180	31.7	227.5	21,500*	37.3	241.3	18,700	40.2	247.7	16,900	44.7	255.9	14,100	48.8	261.5	11,200	52.5	264.7	8,500	180
185	28.7	218.8	20,400*	34.7	234.3	17,700	37.8	241.5	16,000	42.5	250.6	13,200	46.7	256.9	10,500	50.5	260.7	7,800	185
190	25.3	208.8	19,400*	31.9	226.6	16,700	35.3	234.6	15,100	40.2	244.9	12,400	44.6	251.9	9,700	48.5	256.4	7,200	190
195	21.5	197.1	18,400*	28.9	217.9	15,800	32.5	227.1	14,200	37.8	238.6	11,600	42.4	246.6	9,000	46.5	251.7	6,500	195
200	16.8	182.4	17,400*	25.6	208.1	15,000	29.6	218.7	13,400	35.3	231.8	10,900	40.1	240.8	8,400	44.3	246.7	6,000	200
205	10.1	160.8	15,100*	21.7	196.4	14,200	26.3	209.1	12,700	32.5	224.2	10,200	37.7	234.5	7,800	42.1	241.3	5,400	205
210				17.1	181.9	13,400	22.6	197.9	11,900	29.6	215.8	9,500	35.1	227.7	7,200	39.8	235.5	4,900	210
215				10.6	161.1	12,600	18.2	184.2	11,200	26.3	206.2	8,900	32.4	220.1	6,600	37.4	229.1	4,400	215
220							12.4	165.4	10,500	22.6	195.1	8,300	29.4	211.6	6,100				220
225										18.2	181.4	7,700	26.1	201.9	5,500				225
230										12.4	162.6	7,100	22.4	190.6	5,000				230
235													18.0	176.8	4,500				235
240													12.0	157.5	4,000				240

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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

115 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
70	75.2	321.7	59,100*																70
75	73.7	320.3	58,600*																75
80	72.2	318.7	58,500*																80
85	70.7	317.0	55,100*																85
90	69.2	315.2	54,500*																90
95	67.6	313.2	53,300*	70.8	315.7	52,400													95
100	66.1	311.0	51,000*	69.3	313.9	48,600													100
105	64.5	308.6	48,500*	67.7	311.9	45,200													105
110	62.9	306.1	46,200*	66.2	309.7	42,100													110
115	61.3	303.4	44,000*	64.6	307.4	39,300	66.5	308.9	36,400										115
120	59.6	300.6	41,400	63.0	304.9	36,800	64.9	306.6	34,000										120
125	57.9	297.5	38,900	61.4	302.2	34,500	63.4	304.1	31,900										125
130	56.2	294.2	36,600	59.7	299.3	32,400	61.7	301.5	29,900										130
135	54.5	290.7	34,500	58.0	296.3	30,400	60.1	298.7	28,000										135
140	52.7	287.0	32,600	56.3	293.0	28,700	58.4	295.7	26,300	61.7	298.7	22,500							140
145	50.9	283.0	30,800	54.6	289.5	27,000	56.7	292.4	24,800	60.1	295.8	21,000							145
150	49.0	278.7	29,100	52.8	285.8	25,500	55.0	289.0	23,300	58.4	292.8	19,700							150
155	47.0	274.1	27,500	51.0	281.8	24,000	53.2	285.3	21,900	56.7	289.6	18,500							155
160	45.0	269.3	26,100	49.1	277.5	22,700	51.4	281.4	20,700	55.0	286.1	17,300							160
165	43.0	264.0	24,700	47.1	273.0	21,400	49.5	277.2	19,500	53.2	282.5	16,300	56.6	285.7	13,100				165
170	40.8	258.4	23,400	45.1	268.1	20,200	47.6	272.7	18,400	51.4	278.6	15,200	54.9	282.2	12,200				170
175	38.5	252.3	22,200	43.1	262.9	19,100	45.6	268.0	17,300	49.5	274.4	14,300	53.1	278.5	11,300				175
180	36.1	245.6	21,100	40.9	257.3	18,100	43.5	262.8	16,300	47.6	269.9	13,400	51.3	274.6	10,500				180
185	33.6	238.3	20,000*	38.7	251.2	17,100	41.4	257.3	15,400	45.6	265.1	12,600	49.4	270.4	9,800	52.9	273.5	7,100	185
190	30.9	230.3	19,000*	36.3	244.6	16,200	39.2	251.3	14,500	43.5	260.0	11,800	47.5	265.9	9,000	51.0	269.5	6,400	190
195	28.0	221.3	18,000*	33.8	237.4	15,300	36.8	244.8	13,700	41.4	254.4	11,000	45.5	261.1	8,400	49.2	265.3	5,800	195
200	24.7	211.0	17,000*	31.1	229.4	14,400	34.3	237.7	12,900	39.2	248.5	10,300	43.4	255.9	7,700	47.2	260.8	5,200	200
205	20.9	198.9	16,100*	28.1	220.4	13,600	31.7	229.9	12,100	36.8	242.0	9,600	41.3	250.4	7,100	45.2	255.9	4,700	205
210	16.4	183.8	15,300*	24.9	210.3	12,900	28.8	221.2	11,400	34.3	234.9	8,900	39.0	244.4	6,500	43.2	250.7	4,200	210
215	9.9	161.7	13,100*	21.2	198.3	12,100	25.6	211.4	10,700	31.7	227.1	8,300	36.7	237.9	5,900				215
220				16.7	183.4	11,400	22.0	199.8	10,000	28.8	218.4	7,700	34.2	230.8	5,400				220
225				10.4	162.0	10,700	17.8	185.7	9,400	25.6	208.5	7,100	31.5	222.9	4,900				225
230							12.1	166.5	8,700	22.0	197.0	6,600	28.6	214.1	4,400				230
235										17.8	182.9	6,000							235
240										12.1	163.6	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

125 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	
50	63.9	201.0	123,600* ^b																			50
55	59.2	198.2	116,200* ^b																			55
60	54.3	194.8	109,600* ^b	65.0	200.1	118,500 ^b																60
65	49.0	190.6	103,600*	60.4	197.4	106,800 ^b	66.5	199.5	102,900 ^b													65
70	43.2	185.6	98,300*	55.5	194.1	97,100 ^b	61.9	196.9	93,500 ^b													70
75	36.7	179.4	89,300*	50.3	190.2	88,900	57.1	193.9	85,600 ^b													75
80	28.9	171.4	81,100*	44.6	185.4	81,900	52.0	190.2	78,900	62.7	194.4	73,800 ^b										80
85	18.2	159.3	74,200*	38.3	179.5	75,800	46.5	185.7	73,000	57.9	191.4	68,300 ^b										85
90				30.9	172.0	70,400	40.4	180.2	67,900	52.9	187.8	63,500										90
95				21.2	161.2	65,700	33.4	173.3	63,300	47.5	183.5	59,300										95
100							24.7	163.9	59,300	41.5	178.2	55,500	53.5	184.3	51,800							100
105							10.2	146.9	55,500	34.7	171.6	52,100	48.1	180.0	48,600							105
110										26.4	162.8	49,000	42.2	174.9	45,700							110
115										13.9	148.3	46,200	35.5	168.4	43,100	48.3	175.3	40,000				115
120													27.4	159.9	40,700	42.4	170.2	37,800				120
125													15.7	146.6	38,500	35.8	163.8	35,800	47.9	169.3	33,100	125
130																27.7	155.4	33,900	42.0	164.1	31,400	130
135																16.3	142.3	32,100	35.3	157.6	29,800	135
140																			27.2	149.0	28,300	140
145																			15.3	135.4	26,800	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

125 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	67.4	212.0	120,200* ^b																			50
55	63.4	209.7	113,000* ^b																			55
60	59.3	206.8	106,600* ^b	68.3	211.0	118,000 ^b																60
65	55.0	203.5	100,900*	64.4	208.8	106,300 ^b																65
70	50.5	199.6	95,700*	60.3	206.0	96,700 ^b	65.7	208.2	93,000 ^b													70
75	45.6	194.9	89,600*	56.1	202.8	88,500	61.7	205.6	85,100 ^b													75
80	40.2	189.4	81,400*	51.6	199.0	81,500	57.5	202.6	78,400													80
85	34.2	182.5	74,400*	46.8	194.6	75,400	53.0	199.0	72,500	62.3	203.0	67,700 ^b										85
90	26.9	173.7	68,500*	41.5	189.2	70,100	48.4	194.7	67,400	58.2	200.1	63,000										90
95	16.9	160.7	63,200*	35.7	182.8	65,400	43.3	189.7	62,900	53.8	196.6	58,800										95
100				28.8	174.5	61,300	37.7	183.7	58,900	49.2	192.5	55,000										100
105				19.7	162.9	57,500	31.2	176.1	55,300	44.2	187.6	51,600	54.3	193.0	48,000							105
110							23.0	165.9	52,000	38.7	181.8	48,600	49.7	189.0	45,200							110
115							9.5	147.7	49,000	32.4	174.5	45,800	44.8	184.2	42,600							115
120										24.6	164.9	43,300	39.3	178.5	40,300	49.9	184.2	37,200				120
125										12.9	149.4	40,900	33.1	171.4	38,100	44.9	179.5	35,200				125
130													25.6	162.2	36,100	39.5	173.8	33,400				130
135													14.7	147.8	34,200	33.3	166.8	31,700	44.6	173.4	29,100	135
140																25.8	157.6	30,100	39.1	167.7	27,700	140
145																15.1	143.6	28,600	32.9	160.6	26,300	145
150																			25.3	151.2	25,000	150
155																			14.2	136.6	23,800	155

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

125 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS		
50	70.1	222.8	117,000*b																			50	
55	66.6	220.8	110,200*b																			55	
60	63.1	218.3	104,100*	70.8	221.8	117,200*b																60	
65	59.4	215.5	98,500*	67.4	219.8	105,900b																65	
70	55.6	212.2	93,500*	63.9	217.4	96,300b																70	
75	51.6	208.4	88,900*	60.3	214.7	88,100	65.1	216.9	84,700b													75	
80	47.4	204.0	81,600*	56.5	211.5	81,100	61.5	214.3	78,000													80	
85	42.8	198.9	74,600*	52.6	207.8	75,100	57.7	211.2	72,200													85	
90	37.8	192.8	68,600*	48.4	203.6	69,800	53.9	207.7	67,100	62.1	211.7	62,500										90	
95	32.1	185.4	63,400*	43.9	198.7	65,200	49.8	203.7	62,600	58.4	208.7	58,300										95	
100	25.3	176.0	58,800*	39.0	192.8	61,000	45.4	199.0	58,600	54.5	205.3	54,600										100	
105	15.9	162.1	54,700*	33.5	185.8	57,300	40.7	193.5	55,000	50.5	201.4	51,300										105	
110				27.0	176.9	53,900	35.4	186.9	51,800	46.2	196.8	48,300	55.0	201.8	44,700								110
115				18.5	164.5	50,900	29.3	178.7	48,900	41.5	191.4	45,500	50.9	197.9	42,200								115
120							21.7	167.8	46,200	36.3	185.1	43,000	46.6	193.4	39,900								120
125							8.9	148.4	43,600	30.4	177.2	40,700	42.0	188.1	37,700	51.1	193.1	34,800					125
130										23.1	166.9	38,600	36.9	181.8	35,800	46.8	188.6	33,000					130
135										12.1	150.4	36,600	31.1	174.2	34,000	42.2	183.4	31,300					135
140													24.0	164.3	32,300	37.1	177.2	29,800	46.5	182.6	27,300		140
145													13.8	149.0	30,700	31.3	169.6	28,300	41.9	177.3	25,900		145
150																24.3	159.8	26,900	36.8	171.0	24,700		150
155																14.2	144.8	25,600	30.9	163.3	23,500		155
160																			23.8	153.3	22,400		160
165																			13.4	137.7	21,300		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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

125 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	72.1	233.5	113,600* ^b																			50
55	69.1	231.6	107,100* ^b																			55
60	66.0	229.5	101,200*																			60
65	62.8	227.0	95,900*	69.8	230.6	105,400 ^b																65
70	59.5	224.2	91,100*	66.7	228.5	95,800																70
75	56.0	220.9	86,600*	63.5	226.1	87,600	67.7	227.9	84,100 ^b													75
80	52.5	217.2	81,500*	60.2	223.4	80,700	64.6	225.6	77,400													80
85	48.7	213.0	74,500*	56.9	220.2	74,600	61.3	222.9	71,600													85
90	44.8	208.2	68,400*	53.3	216.6	69,400	58.0	219.9	66,600													90
95	40.5	202.6	63,200*	49.6	212.5	64,700	54.5	216.5	62,100	61.9	220.4	57,700										95
100	35.7	196.0	58,600*	45.7	207.9	60,600	50.9	212.6	58,100	58.6	217.4	54,000										100
105	30.4	188.1	54,500*	41.5	202.5	56,900	47.0	208.1	54,600	55.1	214.1	50,700										105
110	23.9	178.1	50,900*	36.9	196.2	53,600	42.9	203.0	51,400	51.5	210.2	47,700										110
115	15.0	163.3	47,600*	31.7	188.6	50,600	38.4	197.0	48,500	47.7	205.9	45,000	55.5	210.5	41,600							115
120				25.6	179.2	47,800	33.5	189.9	45,800	43.6	200.8	42,500	51.9	206.7	39,300							120
125				17.5	166.1	45,200	27.7	181.2	43,400	39.2	195.0	40,300	48.1	202.4	37,200							125
130							20.5	169.6	41,100	34.4	188.2	38,200	44.1	197.5	35,200	52.0	201.9	32,300				130
135							8.4	149.1	39,000	28.8	179.8	36,300	39.7	191.7	33,400	48.2	197.7	30,700				135
140										21.9	168.9	34,500	34.9	185.0	31,800	44.2	192.7	29,100				140
145										11.4	151.3	32,700	29.4	176.8	30,300	39.9	187.1	27,700	48.0	191.6	25,300	145
150													22.7	166.3	28,800	35.1	180.4	26,400	44.0	186.7	24,000	150
155													13.0	150.1	27,400	29.6	172.2	25,100	39.6	180.9	22,900	155
160																23.0	161.8	24,000	34.8	174.2	21,800	160
165																13.4	145.9	22,800	29.3	165.9	20,800	165
170																			22.5	155.3	19,800	170
175																			12.6	138.8	18,800	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

125 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	73.8	244.0	109,600*																			50
55	71.1	242.3	103,600*																			55
60	68.3	240.4	98,100*																			60
65	65.4	238.2	93,100*																			65
70	62.5	235.7	88,500*	68.9	239.4	95,300																70
75	59.5	232.8	84,200*	66.1	237.2	87,100																75
80	56.4	229.6	80,400*	63.2	234.8	80,200	67.0	236.6	76,900													80
85	53.2	226.0	76,600*	60.2	232.0	74,200	64.2	234.2	71,100													85
90	49.8	221.9	70,300*	57.2	228.9	68,900	61.2	231.6	66,100													90
95	46.3	217.3	64,900*	54.0	225.4	64,300	58.2	228.6	61,600													95
100	42.5	212.1	60,100*	50.6	221.4	60,200	55.0	225.2	57,700	61.7	229.0	53,500										100
105	38.5	206.1	56,000*	47.2	217.0	56,500	51.7	221.4	54,100	58.7	226.1	50,200										105
110	34.0	199.1	52,200*	43.4	211.9	53,200	48.3	217.1	50,900	55.6	222.8	47,200										110
115	28.9	190.7	48,900*	39.5	206.1	50,200	44.7	212.2	48,100	52.3	219.0	44,500										115
120	22.8	180.1	45,900*	35.1	199.4	47,400	40.8	206.7	45,400	48.9	214.8	42,100	55.9	219.2	38,700							120
125	14.3	164.6	42,800*	30.2	191.3	44,900	36.6	200.3	43,000	45.3	210.1	39,800	52.7	215.5	36,700							125
130				24.3	181.4	42,600	31.8	192.8	40,800	41.5	204.7	37,800	49.3	211.3	34,700							130
135				16.7	167.5	40,500	26.4	183.5	38,800	37.3	198.4	35,900	45.7	206.7	33,000	52.8	210.7	30,200				135
140							19.5	171.3	36,800	32.7	191.1	34,100	41.9	201.3	31,300	49.4	206.6	28,600				140
145							7.9	149.7	35,000	27.4	182.2	32,400	37.8	195.2	29,800	45.8	201.9	27,200				145
150										20.8	170.7	30,900	33.2	188.0	28,400	42.0	196.6	25,900				150
155										10.9	152.2	29,400	28.0	179.3	27,100	37.9	190.5	24,700	45.6	195.9	22,400	155
160													21.6	168.2	25,800	33.4	183.4	23,500	41.8	190.5	21,300	160
165													12.4	151.1	24,600	28.2	174.7	22,500	37.7	184.4	20,300	165
170																21.9	163.7	21,400	33.1	177.2	19,400	170
175																12.8	147.0	20,400	27.8	168.4	18,500	175
180																			21.4	157.2	17,600	180
185																			12.0	139.8	16,800	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

125 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	75.2	254.4	106,200*																			50
55	72.7	252.9	100,500*																			55
60	70.2	251.1	95,300*																			60
65	67.6	249.1	90,500*																			65
70	65.0	246.9	86,100*	70.8	250.1	94,800																70
75	62.3	244.3	82,100*	68.2	248.1	86,700																75
80	59.6	241.5	78,400*	65.6	245.9	79,700																80
85	56.7	238.3	74,900*	62.9	243.5	73,700	66.5	245.3	70,600													85
90	53.8	234.7	69,900*	60.2	240.7	68,500	63.8	242.9	65,600													90
95	50.8	230.8	64,500*	57.4	237.6	63,800	61.1	240.2	61,100													95
100	47.6	226.4	59,700*	54.5	234.1	59,700	58.3	237.3	57,200													100
105	44.2	221.4	55,500*	51.5	230.3	56,100	55.4	233.9	53,600	61.6	237.7	49,600										105
110	40.6	215.8	51,800*	48.3	226.0	52,800	52.5	230.2	50,500	58.8	234.7	46,600										110
115	36.8	209.4	48,500*	45.0	221.1	49,800	49.4	226.0	47,600	55.9	231.5	44,000										115
120	32.5	202.0	45,500*	41.5	215.7	47,000	46.1	221.4	45,000	53.0	227.8	41,500										120
125	27.6	193.2	42,700*	37.7	209.5	44,600	42.7	216.2	42,600	49.9	223.7	39,300	56.3	227.9	36,100							125
130	21.8	182.0	40,200*	33.5	202.4	42,300	39.0	210.3	40,400	46.7	219.2	37,300	53.3	224.3	34,200							130
135	13.6	165.7	37,700*	28.8	193.9	40,200	34.9	203.5	38,400	43.3	214.1	35,400	50.3	220.2	32,400							135
140				23.3	183.4	38,200	30.4	195.5	36,500	39.6	208.3	33,600	47.0	215.7	30,800							140
145				15.9	168.9	36,300	25.2	185.8	34,700	35.6	201.7	32,000	43.6	210.7	29,300	50.4	215.5	26,600				145
150							18.6	172.9	33,100	31.2	193.9	30,500	40.0	205.0	27,900	47.1	211.0	25,300				150
155							7.6	150.3	31,500	26.2	184.5	29,100	36.1	198.5	26,600	43.8	206.0	24,100				155
160										19.9	172.4	27,700	31.7	190.8	25,400	40.1	200.3	23,000	46.9	205.0	20,700	160
165										10.4	153.1	26,400	26.8	181.7	24,200	36.2	193.8	21,900	43.5	199.9	19,700	165
170													20.7	170.0	23,100	31.9	186.2	20,900	39.9	194.2	18,800	170
175													11.8	152.1	22,000	26.9	177.1	20,000	36.0	187.6	17,900	175
180																20.9	165.5	19,100	31.6	180.0	17,100	180
185																12.2	148.0	18,100	26.6	170.8	16,300	185
190																			20.5	159.0	15,500	190
195																			11.5	140.7	14,800	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

125 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	
55	74.1	263.3	97,600*																			55
60	71.8	261.7	92,700*																			60
65	69.4	259.9	88,200*																			65
70	67.0	257.9	84,000*																			70
75	64.6	255.6	80,200*	70.0	258.9	77,100																75
80	62.1	253.0	76,600*	67.6	256.9	70,600																80
85	59.6	250.1	71,900	65.2	254.6	65,000																85
90	57.0	247.0	66,600	62.7	252.1	60,100	66.0	254.0	56,300													90
95	54.3	243.5	61,900	60.2	249.3	55,800	63.5	251.6	52,200													95
100	51.5	239.6	57,700	57.6	246.2	52,000	61.0	248.9	48,600													100
105	48.6	235.4	54,000	54.9	242.8	48,600	58.4	245.9	45,400													105
110	45.6	230.6	50,600	52.2	239.1	45,500	55.8	242.6	42,400	61.4	246.3	37,400										110
115	42.4	225.3	47,600	49.3	234.9	42,700	53.1	239.0	39,800	58.9	243.4	35,000										115
120	38.9	219.4	44,800	46.3	230.3	40,200	50.2	234.9	37,400	56.3	240.2	32,800										120
125	35.2	212.6	42,200	43.1	225.1	37,800	47.3	230.5	35,200	53.6	236.6	30,800										125
130	31.2	204.8	39,900	39.8	219.3	35,700	44.2	225.5	33,200	50.7	232.6	29,000	56.6	236.6	24,900							130
135	26.5	195.5	37,700	36.1	212.8	33,700	40.9	219.9	31,300	47.8	228.2	27,300	53.9	233.0	23,400							135
140	20.9	183.8	35,700*	32.2	205.3	31,900	37.4	213.7	29,600	44.7	223.3	25,800	51.1	229.1	22,000							140
145	13.1	166.8	33,400*	27.7	196.4	30,200	33.5	206.5	28,000	41.5	217.9	24,300	48.1	224.8	20,700							145
150				22.3	185.4	28,600	29.2	198.1	26,500	38.0	211.7	23,000	45.1	219.9	19,500	51.1	224.3	16,100				150
155				15.3	170.2	27,100	24.2	187.9	25,100	34.2	204.7	21,700	41.8	214.5	18,400	48.2	220.0	15,100				155
160							17.9	174.5	23,800	30.0	196.6	20,600	38.4	208.5	17,300	45.2	215.2	14,200				160
165							7.2	150.9	22,400	25.1	186.8	19,400	34.6	201.6	16,300	41.9	209.8	13,300				165
170										19.1	174.1	18,400	30.5	193.6	15,400	38.5	203.8	12,500	45.0	209.2	9,600	170
175										9.9	154.0	17,300	25.7	184.0	14,500	34.7	196.9	11,700	41.7	203.8	8,900	175
180													19.8	171.7	13,600	30.6	189.0	10,900	38.3	197.7	8,300	180
185													11.3	153.1	12,800	25.8	179.4	10,200	34.5	190.8	7,700	185
190																20.1	167.3	9,500	30.3	182.7	7,100	190
195																11.7	149.0	8,800	25.5	173.0	6,500	195
200																			19.6	160.7	5,900	200
205																			11.0	141.7	5,300	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

125 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	
55	75.2	273.7	94,400*																			55
60	73.1	272.3	89,900*																			60
65	70.9	270.6	85,600*																			65
70	68.8	268.7	81,600*																			70
75	66.5	266.6	78,000*																			75
80	64.3	264.2	74,600*	69.3	267.7	70,000																80
85	62.0	261.7	71,400*	67.1	265.6	64,400																85
90	59.6	258.8	66,100	64.8	263.3	59,500	67.8	264.9	55,600													90
95	57.2	255.7	61,400	62.5	260.8	55,200	65.5	262.7	51,500													95
100	54.7	252.2	57,200	60.2	258.0	51,400	63.3	260.3	47,900													100
105	52.2	248.4	53,500	57.8	254.9	48,000	60.9	257.6	44,700													105
110	49.5	244.3	50,100	55.3	251.6	44,900	58.6	254.6	41,800													110
115	46.7	239.7	47,100	52.8	247.9	42,100	56.1	251.3	39,200	61.3	255.0	34,300										115
120	43.8	234.7	44,300	50.1	243.8	39,600	53.6	247.7	36,800	59.0	252.1	32,100										120
125	40.7	229.1	41,800	47.4	239.3	37,300	51.0	243.8	34,600	56.5	248.9	30,100										125
130	37.5	222.8	39,400	44.5	234.4	35,100	48.3	239.5	32,600	54.0	245.3	28,300										130
135	33.9	215.7	37,300	41.5	228.9	33,200	45.5	234.7	30,700	51.4	241.4	26,600	56.8	245.3	22,600							135
140	30.0	207.5	35,300*	38.2	222.8	31,400	42.5	229.4	29,000	48.8	237.2	25,100	54.3	241.8	21,300							140
145	25.5	197.8	33,400*	34.8	215.9	29,700	39.3	223.5	27,400	45.9	232.5	23,700	51.7	237.9	20,000							145
150	20.1	185.6	31,600*	30.9	208.0	28,100	35.9	216.9	26,000	43.0	227.3	22,300	49.1	233.7	18,800							150
155	12.6	167.9	29,600*	26.6	198.7	26,700	32.2	209.4	24,600	39.9	221.5	21,100	46.3	229.1	17,700	51.8	233.2	14,300				155
160				21.5	187.2	25,300	28.1	200.6	23,300	36.5	215.1	19,900	43.3	223.9	16,600	49.1	229.0	13,400				160
165				14.7	171.4	23,900	23.3	189.9	22,000	32.9	207.7	18,800	40.2	218.2	15,700	46.4	224.3	12,500				165
170							17.2	176.0	20,900	28.8	199.2	17,800	36.9	211.8	14,700	43.4	219.2	11,700				170
175							7.0	151.5	19,700	24.2	188.9	16,800	33.3	204.6	13,900	40.3	213.5	11,000	46.2	218.3	8,100	175
180										18.4	175.7	15,900	29.3	196.2	13,000	37.0	207.2	10,200	43.2	213.2	7,500	180
185										9.6	154.8	14,900	24.7	186.1	12,200	33.4	200.0	9,500	40.1	207.4	6,900	185
190													19.1	173.4	11,500	29.4	191.6	8,900	36.8	201.0	6,300	190
195													10.9	154.0	10,700	24.9	181.6	8,200	33.2	193.7	5,800	195
200																19.3	169.0	7,600	29.2	185.3	5,200	200
205																11.2	150.0	7,000	24.6	175.2	4,700	205
210																			18.9	162.3	4,200	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

125 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	74.3	282.7	86,300*																			60
65	72.3	281.2	82,400*																			65
70	70.2	279.4	78,700*																			70
75	68.2	277.5	75,300*																			75
80	66.1	275.3	72,100*	70.7	278.3	69,300																80
85	64.0	272.9	69,100*	68.7	276.4	63,800																85
90	61.8	270.3	65,500	66.6	274.3	58,900																90
95	59.6	267.5	60,800	64.5	272.0	54,600	67.3	273.7	50,900													95
100	57.4	264.3	56,600	62.4	269.5	50,800	65.2	271.4	47,300													100
105	55.1	260.9	52,900	60.2	266.7	47,400	63.1	268.9	44,000													105
110	52.7	257.2	49,600	57.9	263.6	44,300	60.9	266.2	41,100													110
115	50.2	253.2	46,500	55.6	260.3	41,500	58.7	263.3	38,500													115
120	47.7	248.7	43,800	53.3	256.6	39,000	56.4	260.0	36,100	61.3	263.7	31,400										120
125	45.0	243.9	41,200	50.8	252.7	36,700	54.0	256.5	34,000	59.0	260.7	29,500										125
130	42.2	238.6	38,900	48.3	248.3	34,600	51.6	252.6	32,000	56.8	257.5	27,700										130
135	39.3	232.7	36,800	45.7	243.6	32,600	49.1	248.4	30,100	54.4	254.1	26,000										135
140	36.1	226.1	34,800	42.9	238.4	30,800	46.5	243.8	28,400	52.0	250.3	24,500	57.0	253.9	20,600							140
145	32.7	218.6	33,000	40.0	232.6	29,200	43.8	238.7	26,900	49.6	246.1	23,100	54.7	250.5	19,300							145
150	28.9	210.1	31,300	36.9	226.2	27,600	41.0	233.2	25,400	47.0	241.6	21,700	52.3	246.7	18,100							150
155	24.6	200.0	29,700	33.5	219.0	26,200	37.9	227.0	24,000	44.3	236.6	20,500	49.8	242.6	17,000							155
160	19.4	187.3	28,200	29.8	210.7	24,800	34.7	220.0	22,700	41.5	231.1	19,300	47.3	238.1	16,000	52.4	242.0	12,700				160
165	12.1	169.0	25,600*	25.7	201.0	23,500	31.1	212.2	21,500	38.5	225.0	18,300	44.6	233.2	15,000	49.9	237.9	11,900				165
170				20.7	189.1	22,300	27.1	203.0	20,400	35.2	218.3	17,200	41.8	227.8	14,100	47.4	233.4	11,100				170
175				14.2	172.7	21,100	22.5	191.9	19,300	31.7	210.5	16,300	38.8	221.8	13,300	44.7	228.5	10,300				175
180							16.6	177.4	18,300	27.8	201.6	15,400	35.6	215.1	12,400	41.9	223.1	9,600	47.2	227.4	6,800	180
185							6.7	152.1	17,200	23.3	190.9	14,500	32.1	207.5	11,700	38.9	217.1	8,900	44.5	222.4	6,200	185
190										17.7	177.2	13,600	28.3	198.7	10,900	35.7	210.4	8,300	41.7	217.0	5,700	190
195										9.2	155.5	12,800	23.8	188.2	10,200	32.2	202.9	7,600	38.7	211.0	5,100	195
200													18.4	175.0	9,500	28.4	194.1	7,000	35.5	204.2	4,600	200
205													10.5	154.9	8,800	24.0	183.7	6,500	32.0	196.6	4,100	205
210																18.6	170.6	5,900				210
215																10.8	150.9	5,300				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

125 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	75.3	293.1	81,600*																60
65	73.4	291.6	78,500*																65
70	71.5	290.0	76,200*																70
75	69.6	288.2	73,000*																75
80	67.7	286.2	70,000*																80
85	65.7	284.0	67,200*	70.1	287.2	63,100													85
90	63.8	281.6	64,500*	68.1	285.2	58,200													90
95	61.7	279.0	60,300	66.2	283.1	53,900													95
100	59.7	276.1	56,100	64.2	280.7	50,100	66.8	282.4	46,600										100
105	57.6	273.0	52,400	62.2	278.1	46,700	64.9	280.1	43,400										105
110	55.4	269.6	49,000	60.2	275.3	43,700	62.9	277.6	40,500										110
115	53.2	266.0	46,000	58.1	272.3	40,900	60.8	274.9	37,900										115
120	50.9	262.0	43,200	55.9	269.0	38,400	58.7	271.9	35,500										120
125	48.5	257.7	40,700	53.7	265.4	36,100	56.6	268.7	33,300	61.2	272.3	28,700							125
130	46.1	253.0	38,400	51.4	261.5	34,000	54.4	265.2	31,300	59.1	269.4	26,900							130
135	43.5	247.9	36,300	49.1	257.3	32,000	52.2	261.4	29,500	57.0	266.2	25,300							135
140	40.8	242.3	34,300	46.7	252.7	30,200	49.9	257.3	27,800	54.8	262.8	23,800							140
145	38.0	236.1	32,500	44.1	247.7	28,600	47.5	252.8	26,200	52.6	259.0	22,400	57.2	262.6	18,500				145
150	34.9	229.2	30,800	41.5	242.2	27,000	45.0	248.0	24,800	50.3	255.0	21,000	55.0	259.2	17,400				150
155	31.6	221.5	29,200	38.7	236.1	25,600	42.3	242.6	23,400	47.9	250.6	19,800	52.8	255.5	16,300				155
160	28.0	212.6	27,700	35.7	229.4	24,200	39.6	236.8	22,100	45.4	245.8	18,700	50.5	251.5	15,300				160
165	23.8	202.1	26,300	32.4	221.9	23,000	36.7	230.3	21,000	42.8	240.5	17,600	48.1	247.1	14,300	52.9	250.7	11,100	165
170	18.8	188.9	25,000	28.9	213.3	21,800	33.5	223.1	19,800	40.1	234.8	16,600	45.7	242.4	13,400	50.6	246.7	10,300	170
175	11.7	170.0	22,600*	24.8	203.2	20,600	30.1	214.8	18,800	37.2	228.4	15,600	43.1	237.2	12,600	48.2	242.4	9,500	175
180				20.0	190.8	19,600	26.2	205.3	17,800	34.1	221.3	14,700	40.4	231.5	11,800	45.8	237.6	8,800	180
185				13.7	173.8	18,500	21.7	193.8	16,800	30.7	213.3	13,900	37.5	225.2	11,000	43.2	232.5	8,200	185
190							16.0	178.8	15,900	26.9	204.0	13,100	34.4	218.2	10,300	40.5	226.8	7,500	190
195							6.5	152.6	14,900	22.5	192.9	12,300	31.1	210.3	9,600	37.6	220.5	6,900	195
200										17.1	178.7	11,500	27.3	201.1	8,900	34.5	213.5	6,400	200
205										8.9	156.3	10,700	23.1	190.3	8,300	31.2	205.6	5,800	205
210													17.8	176.5	7,700	27.5	196.6	5,300	210
215													10.2	155.7	7,000	23.2	185.8	4,800	215
220																18.0	172.2	4,200	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

125 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	74.4	302.1	74,000*																65
70	72.7	300.6	71,600*																70
75	70.9	298.9	69,200*																75
80	69.1	297.0	68,100*																80
85	67.3	295.0	65,400*																85
90	65.4	292.7	62,900*	69.5	296.0	57,800													90
95	63.5	290.3	59,900	67.7	294.0	53,500													95
100	61.6	287.6	55,700	65.8	291.8	49,700													100
105	59.7	284.8	52,000	64.0	289.4	46,300	66.4	291.1	43,000										105
110	57.7	281.7	48,700	62.1	286.8	43,300	64.6	288.8	40,100										110
115	55.7	278.4	45,600	60.1	284.0	40,500	62.7	286.3	37,500										115
120	53.6	274.7	42,900	58.2	280.9	38,000	60.8	283.5	35,100										120
125	51.5	270.9	40,400	56.2	277.7	35,700	58.8	280.6	32,900	63.0	283.7	28,300							125
130	49.3	266.6	38,100	54.1	274.1	33,600	56.8	277.4	31,000	61.1	281.0	26,600							130
135	47.0	262.1	36,000	52.0	270.3	31,700	54.8	273.9	29,100	59.2	278.1	24,900							135
140	44.6	257.2	34,000	49.8	266.2	29,900	52.7	270.2	27,500	57.2	274.9	23,400							140
145	42.1	251.8	32,200	47.5	261.7	28,300	50.5	266.2	25,900	55.1	271.5	22,000							145
150	39.5	245.9	30,500	45.2	256.9	26,700	48.3	261.8	24,400	53.0	267.8	20,700	57.4	271.3	17,000				150
155	36.8	239.4	28,900	42.7	251.6	25,300	46.0	257.1	23,100	50.9	263.8	19,500	55.3	267.9	15,900				155
160	33.8	232.3	27,500	40.2	245.8	23,900	43.5	252.0	21,800	48.7	259.5	18,300	53.3	264.3	14,900				160
165	30.6	224.2	26,100	37.4	239.5	22,700	41.0	246.4	20,600	46.4	254.9	17,300	51.1	260.3	13,900				165
170	27.1	215.0	24,800	34.6	232.5	21,500	38.3	240.3	19,500	44.0	249.8	16,300	48.9	256.1	13,100				170
175	23.1	204.1	23,600	31.4	224.7	20,400	35.5	233.5	18,500	41.5	244.3	15,300	46.6	251.5	12,200	51.2	255.6	9,200	175
180	18.2	190.5	22,400	28.0	215.8	19,300	32.5	226.0	17,500	38.8	238.3	14,400	44.2	246.4	11,400	49.0	251.3	8,500	180
185	11.4	170.9	20,100*	24.1	205.3	18,300	29.1	217.4	16,500	36.0	231.7	13,600	41.7	241.0	10,700	46.7	246.7	7,800	185
190				19.4	192.5	17,400	25.4	207.6	15,600	33.0	224.3	12,800	39.1	235.0	10,000	44.3	241.7	7,200	190
195				13.3	175.0	16,400	21.0	195.7	14,800	29.7	215.9	12,000	36.3	228.5	9,300	41.8	236.3	6,600	195
200							15.6	180.1	14,000	26.1	206.3	11,300	33.3	221.2	8,600	39.2	230.4	6,000	200
205							6.3	153.1	13,100	21.8	194.8	10,600	30.1	212.9	8,000	36.4	223.8	5,500	205
210										16.6	180.2	9,900	26.5	203.5	7,400	33.4	216.5	5,000	210
215										8.6	157.0	9,200	22.3	192.2	6,900	30.2	208.3	4,500	215
220													17.3	178.0	6,300	26.6	198.9	4,000	220
225													9.8	156.6	5,700				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

125 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	75.3	312.5	69,700*																65
70	73.6	311.0	67,800*																70
75	72.0	309.4	65,900*																75
80	70.3	307.7	64,300*																80
85	68.6	305.8	62,500*																85
90	66.9	303.7	61,000*	70.7	306.6	57,200													90
95	65.1	301.4	58,700*	69.0	304.7	52,900													95
100	63.3	299.0	55,200	67.3	302.7	49,100													100
105	61.5	296.3	51,500	65.5	300.5	45,700	67.8	302.0	42,300										105
110	59.7	293.4	48,100	63.8	298.1	42,700	66.1	299.8	39,400										110
115	57.8	290.4	45,100	62.0	295.4	39,900	64.3	297.5	36,800										115
120	55.9	287.1	42,400	60.1	292.6	37,400	62.5	295.0	34,400										120
125	54.0	283.5	39,900	58.3	289.6	35,100	60.7	292.2	32,300										125
130	52.0	279.7	37,600	56.4	286.3	33,000	58.9	289.2	30,300	62.9	292.4	25,800							130
135	49.9	275.5	35,500	54.4	282.8	31,100	57.0	286.1	28,500	61.0	289.7	24,200							135
140	47.8	271.1	33,500	52.4	279.1	29,300	55.1	282.6	26,800	59.2	286.7	22,700							140
145	45.6	266.3	31,700	50.4	275.0	27,700	53.1	279.0	25,300	57.3	283.6	21,300							145
150	43.3	261.1	30,000	48.3	270.7	26,100	51.1	275.0	23,800	55.4	280.2	20,000							150
155	40.9	255.5	28,400	46.1	266.0	24,700	49.0	270.8	22,500	53.4	276.6	18,800	57.5	280.0	15,200				155
160	38.4	249.4	27,000	43.8	260.9	23,400	46.8	266.2	21,200	51.4	272.7	17,700	55.6	276.6	14,200				160
165	35.7	242.7	25,600	41.5	255.4	22,100	44.6	261.2	20,000	49.3	268.5	16,600	53.7	273.0	13,200				165
170	32.8	235.2	24,300	39.0	249.4	20,900	42.2	255.9	18,900	47.2	263.9	15,600	51.6	269.1	12,300				170
175	29.7	226.9	23,100	36.3	242.8	19,800	39.8	250.0	17,900	45.0	259.1	14,700	49.6	265.0	11,500				175
180	26.3	217.3	21,900	33.5	235.5	18,800	37.2	243.7	16,900	42.6	253.8	13,800	47.4	260.5	10,700	51.7	264.4	7,700	180
185	22.4	206.1	20,800	30.5	227.4	17,800	34.5	236.6	16,000	40.2	248.0	13,000	45.2	255.6	10,000	49.6	260.2	7,100	185
190	17.6	192.0	19,800	27.2	218.2	16,900	31.5	228.8	15,100	37.7	241.7	12,200	42.9	250.4	9,300	47.5	255.8	6,500	190
195	11.0	171.9	17,600*	23.4	207.4	16,000	28.3	220.0	14,300	35.0	234.8	11,400	40.5	244.7	8,600	45.3	250.9	5,900	195
200				18.9	194.2	15,100	24.7	209.7	13,400	32.0	227.2	10,700	38.0	238.5	8,000	43.0	245.7	5,300	200
205				12.9	176.1	14,300	20.4	197.4	12,700	28.9	218.5	10,000	35.3	231.7	7,400	40.6	240.0	4,800	205
210							15.1	181.5	11,900	25.3	208.6	9,400	32.4	224.1	6,800	38.0	233.8	4,300	210
215							6.1	153.6	11,100	21.2	196.7	8,700	29.2	215.5	6,200				215
220										16.1	181.6	8,100	25.7	205.8	5,700				220
225										8.4	157.7	7,500	21.7	194.2	5,200				225
230													16.8	179.5	4,700				230
235													9.5	157.4	4,100				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

125 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
70	74.5	321.5	64,100*																70
75	73.0	320.0	62,800*																75
80	71.4	318.3	61,900*																80
85	69.8	316.5	60,500*																85
90	68.1	314.5	59,000*																90
95	66.5	312.4	57,100*	70.1	315.4	52,300													95
100	64.8	310.1	54,700	68.5	313.5	48,500													100
105	63.2	307.6	51,000	66.9	311.4	45,100													105
110	61.5	305.0	47,600	65.2	309.2	42,100	67.4	310.8	38,800										110
115	59.7	302.1	44,600	63.6	306.7	39,300	65.8	308.6	36,200										115
120	58.0	299.0	41,900	61.9	304.1	36,800	64.1	306.2	33,800										120
125	56.1	295.7	39,400	60.1	301.3	34,600	62.4	303.6	31,700										125
130	54.3	292.2	37,100	58.4	298.3	32,500	60.7	300.9	29,700										130
135	52.4	288.5	35,000	56.6	295.0	30,500	58.9	297.9	27,900	62.7	301.0	23,600							135
140	50.5	284.4	33,000	54.7	291.6	28,800	57.2	294.7	26,200	61.0	298.3	22,100							140
145	48.5	280.1	31,200	52.9	287.9	27,100	55.3	291.4	24,700	59.2	295.4	20,700							145
150	46.4	275.4	29,500	50.9	283.9	25,600	53.5	287.7	23,300	57.5	292.3	19,400							150
155	44.3	270.4	28,000	49.0	279.6	24,200	51.6	283.8	21,900	55.7	288.9	18,200							155
160	42.1	265.0	26,500	46.9	275.0	22,800	49.6	279.7	20,700	53.8	285.3	17,100	57.7	288.6	13,500				160
165	39.7	259.2	25,100	44.8	270.1	21,600	47.6	275.2	19,500	51.9	281.5	16,000	55.9	285.3	12,600				165
170	37.3	252.8	23,800	42.6	264.8	20,400	45.5	270.4	18,400	49.9	277.4	15,000	54.0	281.8	11,700				170
175	34.7	245.8	22,600	40.3	259.1	19,300	43.3	265.2	17,400	47.9	272.9	14,100	52.1	277.9	10,900				175
180	31.9	238.1	21,500	37.9	252.8	18,300	41.1	259.6	16,400	45.8	268.2	13,200	50.2	273.9	10,100				180
185	28.9	229.5	20,400	35.3	246.0	17,300	38.7	253.6	15,500	43.7	263.1	12,400	48.2	269.5	9,400	52.2	273.2	6,500	185
190	25.6	219.6	19,400*	32.6	238.5	16,400	36.2	246.9	14,600	41.4	257.6	11,600	46.1	264.8	8,700	50.2	269.1	5,800	190
195	21.8	208.0	18,400*	29.7	230.1	15,500	33.5	239.6	13,800	39.1	251.6	10,900	43.9	259.7	8,000	48.2	264.7	5,300	195
200	17.2	193.5	17,500*	26.4	220.5	14,700	30.6	231.5	13,000	36.6	245.1	10,200	41.7	254.2	7,400	46.1	260.0	4,700	200
205	10.7	172.8	15,400*	22.7	209.4	13,800	27.5	222.4	12,200	34.0	237.9	9,500	39.4	248.3	6,800	44.0	255.0	4,200	205
210				18.3	195.8	13,100	24.0	211.9	11,500	31.2	230.0	8,800	36.9	241.8	6,200				210
215				12.5	177.2	12,300	19.9	199.2	10,800	28.1	221.0	8,200	34.3	234.8	5,700				215
220							14.7	182.7	10,100	24.6	210.7	7,600	31.5	226.9	5,200				220
225							5.9	154.1	9,400	20.6	198.5	7,100	28.4	218.1	4,700				225
230										15.7	182.9	6,500	25.0	208.0	4,200				230
235										8.1	158.4	5,900							235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

125 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
70	75.3	331.8	57,600*													70
75	73.8	330.4	56,600*													75
80	72.3	328.9	56,300*													80
85	70.8	327.2	54,700*													85
90	69.3	325.3	54,100*													90
95	67.8	323.3	53,100*													95
100	66.2	321.1	50,800*	69.7	324.3	47,900										100
105	64.6	318.8	48,500*	68.1	322.3	44,500										105
110	63.0	316.3	46,200*	66.6	320.2	41,500										110
115	61.4	313.6	44,000*	65.0	317.9	38,700	67.1	319.5	35,500							115
120	59.7	310.8	41,300	63.4	315.4	36,200	65.5	317.3	33,200							120
125	58.1	307.7	38,800	61.8	312.8	33,900	63.9	314.9	31,000							125
130	56.3	304.4	36,500	60.1	310.0	31,900	62.3	312.3	29,100							130
135	54.6	300.9	34,400	58.5	306.9	29,900	60.7	309.5	27,300							135
140	52.8	297.2	32,500	56.7	303.7	28,200	59.0	306.6	25,600	62.6	309.7	21,400				140
145	51.0	293.3	30,700	55.0	300.3	26,500	57.3	303.4	24,100	60.9	307.0	20,000				145
150	49.1	289.0	29,000	53.2	296.6	25,000	55.6	300.1	22,600	59.3	304.1	18,700				150
155	47.2	284.5	27,400	51.4	292.7	23,600	53.8	296.5	21,300	57.6	300.9	17,500				155
160	45.2	279.6	26,000	49.5	288.5	22,300	52.0	292.6	20,000	55.9	297.6	16,400				160
165	43.1	274.4	24,600	47.6	284.1	21,000	50.2	288.6	18,900	54.1	294.1	15,300	57.8	297.3	11,900	165
170	40.9	268.8	23,300	45.6	279.3	19,900	48.3	284.2	17,800	52.3	290.3	14,300	56.1	294.0	11,000	170
175	38.7	262.7	22,100	43.6	274.1	18,800	46.3	279.5	16,700	50.5	286.2	13,400	54.3	290.5	10,200	175
180	36.3	256.1	21,000	41.5	268.6	17,700	44.3	274.5	15,800	48.6	281.9	12,600	52.5	286.7	9,400	180
185	33.8	248.9	19,900	39.2	262.7	16,700	42.2	269.1	14,900	46.6	277.3	11,700	50.7	282.7	8,700	185
190	31.1	240.9	18,900	36.9	256.2	15,800	40.0	263.3	14,000	44.6	272.3	11,000	48.8	278.4	8,000	190
195	28.2	232.0	17,900	34.4	249.1	14,900	37.7	257.0	13,200	42.5	267.0	10,200	46.9	273.8	7,300	195
200	24.9	221.8	17,000	31.8	241.3	14,100	35.2	250.1	12,400	40.3	261.3	9,500	44.8	268.9	6,700	200
205	21.2	209.8	16,100	28.9	232.6	13,300	32.6	242.6	11,600	38.1	255.1	8,900	42.8	263.6	6,100	205
210	16.7	195.0	15,300*	25.7	222.8	12,600	29.8	234.2	10,900	35.7	248.3	8,200	40.6	257.9	5,600	210
215	10.4	173.7	13,400*	22.1	211.3	11,800	26.8	224.8	10,200	33.1	240.9	7,600	38.3	251.8	5,000	215
220				17.9	197.3	11,100	23.4	213.9	9,600	30.3	232.7	7,000	35.9	245.1	4,500	220
225				12.2	178.2	10,400	19.4	200.9	8,900	27.3	223.4	6,500	33.4	237.8	4,000	225
230							14.3	184.0	8,300	24.0	212.9	5,900				230
235							5.7	154.6	7,700	20.1	200.3	5,400				235
240										15.3	184.2	4,900				240
245										7.9	159.1	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

135 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	
50	64.3	211.2	122,500*b																			50
55	59.6	208.4	115,200*b																			55
60	54.6	205.0	108,700*b	66.1	210.6	117,700b																60
65	49.4	200.9	102,800*	61.5	208.0	106,100b																65
70	43.6	196.0	97,600*	56.7	204.9	96,500b	63.5	207.7	92,500b													70
75	37.2	189.9	89,900*	51.6	201.1	88,400	58.8	204.9	84,700b													75
80	29.5	182.0	81,700*	46.0	196.6	81,400	53.8	201.4	78,000b													80
85	19.1	170.4	74,600*	39.9	191.0	75,300	48.5	197.2	72,200	60.4	202.7	67,100b										85
90				32.8	184.0	70,000	42.6	192.1	67,200	55.5	199.4	62,400b										90
95				23.9	174.3	65,300	36.0	185.8	62,700	50.3	195.5	58,200										95
100				7.8	155.3	61,000	28.0	177.4	58,600	44.7	190.7	54,500	56.9	196.1	50,300b							100
105							16.8	164.7	55,000	38.4	184.9	51,100	51.8	192.4	47,200							105
110										31.0	177.4	48,100	46.3	187.9	44,400							110
115										21.3	166.7	45,300	40.2	182.4	41,900	52.8	188.0	38,500				115
120													33.2	175.4	39,600	47.4	183.6	36,400				120
125													24.4	165.9	37,500	41.4	178.3	34,400				125
130													9.2	148.1	35,400	34.6	171.7	32,600	47.9	177.9	29,700	130
135																26.3	162.8	30,900	42.0	172.7	28,200	135
140																13.6	148.2	29,300	35.3	166.3	26,800	140
145																			27.2	157.7	25,400	145
150																			15.3	144.0	24,100	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

135 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	
50	67.7	222.2	119,100*b																			50
55	63.7	219.8	112,100*b																			55
60	59.6	217.0	105,800*b	69.3	221.5	117,300b																60
65	55.3	213.7	100,100*	65.4	219.3	105,700b																65
70	50.8	209.8	95,000*	61.3	216.7	96,000b	67.0	218.8	92,000b													70
75	45.9	205.3	90,300*	57.1	213.6	87,900	63.1	216.4	84,200b													75
80	40.6	199.8	82,000*	52.7	209.9	81,000	58.9	213.5	77,500b													80
85	34.6	193.1	74,900*	48.0	205.7	75,000	54.6	210.1	71,800													85
90	27.5	184.4	68,800*	42.8	200.6	69,700	50.0	206.1	66,700	60.4	211.3	61,800b										90
95	17.8	171.9	63,600*	37.2	194.4	65,000	45.1	201.4	62,300	56.1	208.1	57,600										95
100				30.6	186.7	60,900	39.7	195.8	58,300	51.6	204.3	53,900										100
105				22.3	176.2	57,100	33.5	188.8	54,700	46.8	199.9	50,600	57.3	204.8	46,600							105
110				7.2	155.9	53,600	26.1	179.7	51,500	41.6	194.6	47,700	52.9	201.2	43,800							110
115							15.6	166.0	48,500	35.7	188.1	45,000	48.2	197.0	41,300							115
120										28.9	179.9	42,500	43.1	191.9	39,100							120
125										19.9	168.4	40,200	37.4	185.8	37,000	49.1	192.6	33,800				125
130													30.9	178.2	35,000	44.1	187.7	32,000				130
135													22.7	167.9	33,200	38.6	181.9	30,400				135
140													8.5	148.8	31,500	32.3	174.6	28,800	44.6	182.1	26,100	140
145																24.5	165.0	27,400	39.1	176.3	24,900	145
150																12.7	149.3	26,000	32.9	169.2	23,600	150
155																			25.3	159.9	22,500	155
160																			14.2	145.2	21,300	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

135 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	70.3	233.0	115,900*b																			50
55	66.9	230.9	109,200*b																			55
60	63.3	228.5	103,200*b																			60
65	59.7	225.7	97,700*	68.3	230.2	105,200b																65
70	55.9	222.4	92,800*	64.8	228.0	95,600b																70
75	51.9	218.7	88,300*	61.2	225.3	87,500	66.3	227.5	83,700b													75
80	47.7	214.3	82,200*	57.4	222.3	80,600	62.7	225.1	77,100													80
85	43.1	209.3	75,100*	53.5	218.7	74,600	59.1	222.2	71,300													85
90	38.2	203.3	69,000*	49.4	214.6	69,400	55.2	218.9	66,300													90
95	32.5	196.0	63,700*	45.0	209.9	64,700	51.2	215.0	61,900	60.3	220.0	57,200										95
100	25.8	186.7	59,100*	40.2	204.3	60,600	46.9	210.5	57,900	56.6	216.8	53,500										100
105	16.7	173.3	55,000*	34.9	197.6	56,900	42.3	205.3	54,400	52.6	213.2	50,200										105
110				28.7	189.3	53,600	37.3	199.2	51,200	48.4	208.9	47,300	57.6	213.5	43,400							110
115				20.9	178.0	50,500	31.5	191.6	48,300	44.0	204.0	44,600	53.7	210.0	40,900							115
120				6.7	156.4	47,600	24.6	181.9	45,700	39.1	198.2	42,200	49.6	205.9	38,600							120
125							14.7	167.2	43,200	33.6	191.2	39,900	45.2	201.2	36,600							125
130										27.1	182.3	37,900	40.5	195.6	34,700	50.4	201.5	31,600				130
135										18.7	170.0	35,900	35.2	189.0	32,900	46.1	196.9	30,000				135
140													29.1	180.8	31,300	41.4	191.6	28,500				140
145													21.3	169.7	29,800	36.3	185.2	27,100	46.5	191.3	24,400	145
150													8.0	149.5	28,200	30.3	177.3	25,800	41.9	186.0	23,200	150
155																23.0	167.0	24,500	36.8	179.7	22,100	155
160																11.9	150.3	23,300	30.9	172.0	21,100	160
165																			23.8	162.0	20,100	165
170																			13.4	146.4	19,100	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

135 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	72.3	243.6	111,500*b																			50
55	69.3	241.8	105,200*b																			55
60	66.2	239.6	99,600*																			60
65	63.0	237.2	94,400*	70.5	241.0	104,700b																65
70	59.7	234.4	89,700*	67.5	239.0	95,100b																70
75	56.3	231.1	85,400*	64.3	236.7	87,000																75
80	52.7	227.5	81,400*	61.1	234.0	80,100	65.7	236.2	76,500													80
85	49.0	223.3	75,400*	57.7	230.9	74,100	62.5	233.7	70,800													85
90	45.0	218.5	69,200*	54.2	227.5	68,900	59.2	230.9	65,800													90
95	40.8	213.0	63,900*	50.6	223.5	64,300	55.7	227.6	61,400													95
100	36.1	206.5	59,200*	46.7	219.0	60,200	52.1	223.8	57,400	60.3	228.6	52,900										100
105	30.8	198.7	55,000*	42.6	213.8	56,500	48.4	219.6	53,900	56.9	225.5	49,600										105
110	24.4	188.9	51,300*	38.1	207.7	53,200	44.4	214.7	50,800	53.4	221.9	46,700										110
115	15.8	174.7	48,000*	33.0	200.6	50,200	40.0	209.0	47,900	49.7	217.9	44,000	57.9	222.2	40,200							115
120				27.2	191.7	47,500	35.3	202.4	45,300	45.8	213.2	41,600	54.4	218.7	38,000							120
125				19.8	179.8	44,900	29.8	194.3	42,900	41.6	207.8	39,400	50.7	214.8	36,000							125
130				6.3	156.9	42,500	23.3	184.0	40,700	37.0	201.5	37,400	46.9	210.3	34,100							130
135							13.9	168.4	38,600	31.8	194.0	35,500	42.8	205.1	32,400	51.4	210.4	29,300				135
140										25.7	184.6	33,700	38.3	199.1	30,800	47.6	206.0	27,800				140
145										17.7	171.5	32,100	33.3	192.0	29,300	43.6	201.0	26,500				145
150													27.5	183.2	27,900	39.2	195.2	25,200	48.0	200.3	22,600	150
155													20.2	171.5	26,500	34.3	188.3	24,000	44.0	195.3	21,500	155
160													7.5	150.1	25,200	28.7	179.9	22,800	39.6	189.6	20,400	160
165																21.8	168.9	21,800	34.8	182.8	19,500	165
170																11.2	151.2	20,700	29.3	174.6	18,600	170
175																			22.5	164.0	17,700	175
180																			12.6	147.4	16,800	180

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

135 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	74.0	254.1	108,400*																			50
55	71.3	252.4	102,500*																			55
60	68.5	250.5	97,100*																			60
65	65.6	248.3	92,200*																			65
70	62.7	245.8	87,700*	69.6	249.8	94,600																70
75	59.7	243.0	83,600*	66.8	247.7	86,600																75
80	56.6	239.8	79,800*	63.9	245.3	79,600	68.0	247.2	76,000													80
85	53.4	236.3	76,200*	61.0	242.6	73,700	65.2	244.9	70,300													85
90	50.1	232.2	70,700*	57.9	239.6	68,500	62.2	242.4	65,300													90
95	46.6	227.7	65,300*	54.8	236.2	63,800	59.2	239.5	60,900													95
100	42.8	222.5	60,500*	51.5	232.4	59,800	56.1	236.3	57,000													100
105	38.8	216.5	56,200*	48.0	228.0	56,100	52.9	232.6	53,500	60.3	237.3	49,100										105
110	34.3	209.6	52,500*	44.4	223.1	52,800	49.5	228.5	50,300	57.2	234.2	46,200										110
115	29.3	201.4	49,100*	40.5	217.5	49,800	46.0	223.8	47,500	54.0	230.7	43,600										115
120	23.3	190.9	45,900*	36.2	211.0	47,100	42.2	218.6	44,900	50.7	226.7	41,100										120
125	15.0	176.0	42,500*	31.4	203.4	44,600	38.1	212.5	42,500	47.2	222.3	38,900	54.9	227.5	35,500							125
130				25.9	194.0	42,300	33.6	205.4	40,300	43.5	217.2	36,900	51.6	223.6	33,600							130
135				18.8	181.4	40,200	28.4	196.8	38,300	39.5	211.4	35,100	48.2	219.3	31,900							135
140				6.0	157.3	38,100	22.1	185.9	36,400	35.2	204.7	33,300	44.5	214.4	30,300	52.3	219.2	27,300				140
145							13.2	169.5	34,600	30.2	196.7	31,700	40.6	208.9	28,800	48.9	215.0	25,900				145
150										24.4	186.8	30,200	36.4	202.4	27,400	45.3	210.2	24,700				150
155										16.8	173.0	28,800	31.7	194.8	26,100	41.4	204.8	23,500				155
160													26.2	185.5	24,900	37.3	198.5	22,400	45.6	204.5	19,900	160
165													19.2	173.2	23,800	32.6	191.2	21,400	41.8	199.2	19,000	165
170													7.2	150.6	22,600	27.3	182.3	20,400	37.7	193.0	18,100	170
175																20.7	170.7	19,400	33.1	185.8	17,200	175
180																10.7	152.1	18,500	27.8	177.1	16,400	180
185																			21.4	165.8	15,700	185
190																			12.0	148.4	14,900	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

135 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	
50	75.4	264.5	104,900*																			50
55	72.9	263.0	99,400*																			55
60	70.3	261.2	94,300*																			60
65	67.8	259.3	89,700*																			65
70	65.2	257.0	85,400*																			70
75	62.5	254.5	81,400*	68.8	258.5	76,700																75
80	59.7	251.7	77,800*	66.2	256.4	70,200																80
85	56.9	248.5	72,200	63.6	254.0	64,700	67.4	255.9	60,200													85
90	54.0	245.0	66,800	60.9	251.3	59,800	64.7	253.6	55,600													90
95	51.0	241.1	62,100	58.1	248.3	55,500	62.0	251.1	51,500													95
100	47.8	236.7	57,900	55.2	244.9	51,700	59.3	248.2	48,000													100
105	44.4	231.8	54,200	52.2	241.2	48,300	56.5	245.0	44,800	63.0	248.7	38,900										105
110	40.9	226.2	50,800	49.1	237.0	45,200	53.5	241.4	41,900	60.2	246.0	36,400										110
115	37.0	219.9	47,800	45.8	232.3	42,500	50.5	237.4	39,300	57.4	242.9	34,000										115
120	32.8	212.6	45,000	42.4	227.0	39,900	47.3	232.9	36,900	54.5	239.4	31,900										120
125	28.0	203.8	42,400	38.6	221.0	37,600	43.9	227.9	34,700	51.5	235.6	30,000										125
130	22.2	192.9	39,700*	34.6	214.2	35,500	40.3	222.3	32,700	48.4	231.3	28,200	55.3	236.2	23,700							130
135	14.4	177.2	37,000*	30.0	206.1	33,500	36.4	215.8	30,900	45.1	226.5	26,500	52.4	232.4	22,200							135
140				24.7	196.1	31,700	32.1	208.3	29,200	41.5	221.0	25,000	49.3	228.3	20,900							140
145				18.0	182.9	29,900	27.1	199.2	27,600	37.7	214.9	23,600	46.0	223.6	19,600	52.9	228.0	15,800				145
150				5.7	157.8	28,200	21.1	187.7	26,100	33.6	207.7	22,300	42.5	218.4	18,500	49.9	223.9	14,700				150
155							12.6	170.6	24,600	28.9	199.3	21,000	38.8	212.4	17,400	46.6	219.3	13,800				155
160										23.4	188.8	19,800	34.8	205.6	16,300	43.2	214.2	12,900				160
165										16.0	174.4	18,700	30.3	197.5	15,400	39.6	208.4	12,000	46.9	213.6	8,800	165
170													25.0	187.7	14,400	35.6	201.8	11,300	43.5	208.6	8,100	170
175													18.4	174.8	13,500	31.2	194.0	10,500	39.9	202.9	7,500	175
180													6.8	151.2	12,600	26.1	184.6	9,800	36.0	196.3	6,900	180
185																19.8	172.4	9,100	31.6	188.6	6,300	185
190																10.2	152.9	8,300	26.6	179.4	5,700	190
195																			20.5	167.6	5,200	195
200																			11.5	149.4	4,600	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

135 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	
55	74.2	273.4	96,400*																			55
60	71.9	271.9	91,700*																			60
65	69.6	270.1	87,300*																			65
70	67.2	268.0	83,300*																			70
75	64.8	265.7	79,500*	70.5	269.2	76,300																75
80	62.3	263.2	76,000*	68.2	267.3	69,900																80
85	59.8	260.3	71,900	65.8	265.1	64,300																85
90	57.2	257.2	66,500	63.3	262.7	59,500	66.8	264.6	55,200													90
95	54.5	253.7	61,900	60.8	260.0	55,200	64.4	262.3	51,200													95
100	51.7	249.9	57,700	58.2	257.0	51,400	61.9	259.7	47,600													100
105	48.8	245.7	53,900	55.6	253.6	48,000	59.3	256.8	44,400													105
110	45.8	241.0	50,600	52.9	249.9	44,900	56.7	253.7	41,600	62.7	257.4	36,000										110
115	42.6	235.7	47,500	50.0	245.9	42,200	54.0	250.1	39,000	60.2	254.6	33,700										115
120	39.2	229.8	44,800	47.0	241.4	39,700	51.2	246.2	36,600	57.6	251.5	31,600										120
125	35.5	223.1	42,200	43.9	236.4	37,400	48.3	241.9	34,500	55.0	248.1	29,600										125
130	31.5	215.4	39,900	40.6	230.7	35,300	45.3	237.1	32,500	52.2	244.4	27,900										130
135	26.8	206.2	37,400*	37.1	224.4	33,300	42.1	231.8	30,600	49.3	240.2	26,200	55.7	244.9	21,900							135
140	21.3	194.7	34,800*	33.2	217.1	31,500	38.6	225.8	29,000	46.3	235.6	24,700	53.0	241.2	20,600							140
145	13.8	178.4	32,500*	28.8	208.6	29,800	34.9	218.9	27,400	43.2	230.4	23,300	50.1	237.2	19,300							145
150				23.7	198.2	28,200	30.7	211.0	25,900	39.8	224.7	22,000	47.2	232.7	18,200							150
155				17.3	184.4	26,700	26.0	201.5	24,500	36.2	218.2	20,800	44.1	227.7	17,100	50.7	232.8	13,500				155
160				5.5	158.2	25,200	20.3	189.5	23,200	32.2	210.6	19,600	40.8	222.1	16,100	47.8	228.4	12,600				160
165							12.1	171.6	21,900	27.7	201.8	18,600	37.2	215.8	15,100	44.7	223.5	11,800				165
170										22.4	190.8	17,500	33.3	208.6	14,200	41.4	218.0	11,000				170
175										15.4	175.7	16,500	29.0	200.1	13,400	37.9	211.9	10,300	45.0	217.8	7,200	175
180													24.0	189.9	12,600	34.1	204.9	9,500	41.7	212.4	6,600	180
185													17.6	176.3	11,800	29.9	196.7	8,900	38.3	206.3	6,000	185
190													6.5	151.7	10,900	25.0	186.8	8,200	34.5	199.4	5,500	190
195																19.0	174.1	7,600	30.3	191.4	5,000	195
200																9.8	153.8	6,900	25.5	181.7	4,500	200
205																			19.6	169.3	4,000	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

135 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	75.4	283.8	93,300*																			55
60	73.3	282.4	88,900*																			60
65	71.1	280.7	84,800*																			65
70	68.9	278.8	80,900*																			70
75	66.7	276.7	77,300*																			75
80	64.4	274.4	74,000*	69.8	278.1	69,200																80
85	62.1	271.8	70,800*	67.6	276.1	63,600																85
90	59.8	269.0	66,000	65.4	273.8	58,800																90
95	57.4	265.9	61,300	63.1	271.4	54,500	66.3	273.4	50,500													95
100	54.9	262.5	57,200	60.8	268.6	50,800	64.1	271.0	46,900													100
105	52.3	258.7	53,400	58.4	265.6	47,400	61.8	268.4	43,800													105
110	49.7	254.6	50,100	55.9	262.3	44,300	59.4	265.5	40,900													110
115	46.9	250.0	47,000	53.4	258.7	41,600	57.0	262.3	38,300	62.6	266.1	32,900										115
120	44.0	245.0	44,300	50.8	254.7	39,100	54.5	258.9	36,000	60.2	263.3	30,800										120
125	41.0	239.5	41,800	48.1	250.4	36,800	51.9	255.0	33,800	57.8	260.2	28,900										125
130	37.7	233.3	39,400	45.2	245.6	34,700	49.2	250.9	31,800	55.3	256.9	27,100										130
135	34.2	226.2	37,300	42.2	240.2	32,700	46.5	246.2	30,000	52.8	253.2	25,500										135
140	30.3	218.1	35,200*	39.1	234.3	31,000	43.5	241.2	28,300	50.2	249.1	24,000	56.0	253.6	19,800							140
145	25.8	208.5	32,900*	35.6	227.6	29,300	40.4	235.5	26,800	47.4	244.6	22,600	53.5	250.0	18,600							145
150	20.5	196.5	30,700*	31.9	220.0	27,700	37.1	229.2	25,300	44.5	239.7	21,300	50.9	246.0	17,400							150
155	13.2	179.5	28,800*	27.7	211.1	26,300	33.6	222.0	24,000	41.5	234.3	20,100	48.2	241.7	16,400							155
160				22.8	200.2	24,900	29.6	213.7	22,700	38.3	228.2	19,000	45.4	236.9	15,400	51.4	241.6	11,800				160
165				16.6	185.9	23,600	25.0	203.8	21,500	34.8	221.3	17,900	42.4	231.6	14,400	48.7	237.3	11,000				165
170				5.3	158.6	22,300	19.5	191.2	20,300	31.0	213.4	16,900	39.2	225.7	13,500	45.9	232.6	10,200				170
175							11.6	172.6	19,200	26.7	204.1	16,000	35.8	219.0	12,700	43.0	227.5	9,500				175
180										21.6	192.7	15,100	32.1	211.5	11,900	39.8	221.7	8,800	46.2	227.0	5,800	180
185										14.8	177.0	14,200	27.9	202.6	11,200	36.5	215.2	8,200	43.2	221.8	5,300	185
190													23.1	191.9	10,400	32.8	207.8	7,500	40.1	216.1	4,700	190
195													16.9	177.8	9,700	28.8	199.2	6,900	36.8	209.7	4,200	195
200													6.3	152.2	9,000	24.1	188.9	6,400				200
205																18.3	175.7	5,800				205
210																9.4	154.5	5,200				210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

135 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	74.4	292.8	85,200*																60
65	72.4	291.3	81,400*																65
70	70.4	289.5	77,900*																70
75	68.3	287.6	74,500*																75
80	66.3	285.5	71,400*																80
85	64.1	283.1	68,500*	69.2	286.8	63,000													85
90	62.0	280.5	65,500	67.1	284.8	58,200													90
95	59.8	277.7	60,800	65.0	282.5	53,900	68.0	284.3	49,800										95
100	57.6	274.6	56,600	62.9	280.0	50,100	65.9	282.1	46,300										100
105	55.2	271.2	52,900	60.7	277.3	46,800	63.8	279.7	43,100										105
110	52.9	267.5	49,500	58.5	274.3	43,700	61.6	277.0	40,300										110
115	50.4	263.5	46,500	56.2	271.0	41,000	59.4	274.2	37,700										115
120	47.9	259.1	43,700	53.8	267.5	38,500	57.2	271.0	35,300	62.4	274.7	30,100							120
125	45.2	254.2	41,200	51.4	263.6	36,200	54.9	267.6	33,200	60.2	271.9	28,200							125
130	42.4	248.9	38,900	48.9	259.3	34,100	52.5	263.8	31,200	58.0	268.9	26,500							130
135	39.5	243.1	36,800	46.3	254.7	32,200	50.0	259.8	29,400	55.7	265.6	24,900							135
140	36.4	236.5	34,800	43.6	249.6	30,400	47.4	255.3	27,800	53.3	261.9	23,400							140
145	33.0	229.2	33,000	40.7	244.0	28,700	44.8	250.4	26,200	50.9	258.0	22,000	56.3	262.3	17,900				145
150	29.2	220.7	31,300*	37.7	237.7	27,200	42.0	245.0	24,800	48.3	253.6	20,700	54.0	258.7	16,700				150
155	24.9	210.7	29,300*	34.4	230.7	25,800	39.0	239.1	23,400	45.7	248.9	19,500	51.5	254.9	15,700				155
160	19.8	198.3	27,500*	30.8	222.8	24,400	35.8	232.4	22,200	42.9	243.7	18,400	49.0	250.6	14,700				160
165	12.8	180.6	25,800*	26.7	213.5	23,200	32.4	224.9	21,000	40.0	237.9	17,300	46.4	246.0	13,800	52.0	250.4	10,300	165
170				22.0	202.2	21,900	28.5	216.2	19,900	36.9	231.5	16,400	43.7	240.9	12,900	49.5	246.3	9,500	170
175				16.0	187.3	20,800	24.2	205.9	18,800	33.6	224.3	15,400	40.9	235.3	12,100	47.0	241.7	8,800	175
180				5.1	159.0	19,600	18.8	192.9	17,800	29.9	216.1	14,500	37.8	229.1	11,300	44.3	236.7	8,200	180
185							11.2	173.6	16,800	25.7	206.4	13,700	34.5	222.2	10,600	41.4	231.3	7,500	185
190										20.8	194.5	12,900	31.0	214.2	9,900	38.4	225.2	6,900	190
195										14.3	178.2	12,100	26.9	205.0	9,200	35.2	218.4	6,300	195
200													22.3	193.8	8,600	31.7	210.6	5,800	200
205													16.3	179.2	7,900	27.8	201.7	5,300	205
210																23.2	191.0	4,700	210
215																17.6	177.2	4,200	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

135 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	75.4	303.2	80,500*																60
65	73.5	301.8	77,500*																65
70	71.7	300.1	75,400*																70
75	69.8	298.3	72,300*																75
80	67.8	296.4	69,300*																80
85	65.9	294.2	66,600*	70.5	297.5	62,300													85
90	63.9	291.8	64,000*	68.6	295.6	57,500													90
95	61.9	289.2	60,200	66.7	293.5	53,300													95
100	59.8	286.3	56,100	64.7	291.2	49,500	67.5	293.0	45,600										100
105	57.7	283.2	52,300	62.7	288.7	46,100	65.6	290.8	42,400										105
110	55.6	279.9	49,000	60.7	285.9	43,100	63.6	288.4	39,600										110
115	53.3	276.2	46,000	58.6	283.0	40,300	61.5	285.7	37,000										115
120	51.1	272.3	43,200	56.4	279.7	37,900	59.5	282.8	34,700										120
125	48.7	268.0	40,700	54.2	276.2	35,600	57.4	279.7	32,500	62.2	283.4	27,500							125
130	46.3	263.4	38,400	52.0	272.4	33,500	55.2	276.3	30,600	60.2	280.6	25,700							130
135	43.7	258.3	36,300	49.7	268.2	31,600	53.0	272.6	28,800	58.1	277.6	24,100							135
140	41.0	252.7	34,300	47.3	263.7	29,800	50.7	268.6	27,100	55.9	274.3	22,700							140
145	38.2	246.6	32,500	44.8	258.8	28,200	48.3	264.3	25,600	53.7	270.7	21,300							145
150	35.1	239.7	30,800	42.1	253.5	26,600	45.8	259.6	24,100	51.5	266.8	20,000	56.5	271.0	16,000				150
155	31.9	232.0	29,200	39.4	247.6	25,200	43.3	254.4	22,800	49.1	262.6	18,800	54.3	267.5	14,900				155
160	28.2	223.2	27,700	36.4	241.0	23,900	40.6	248.7	21,600	46.7	258.0	17,700	52.1	263.7	13,900				160
165	24.1	212.9	26,100*	33.2	233.7	22,600	37.7	242.5	20,400	44.2	253.0	16,700	49.8	259.5	13,000				165
170	19.1	199.9	24,500*	29.8	225.4	21,400	34.6	235.5	19,300	41.5	247.5	15,700	47.4	255.1	12,200	52.5	259.2	8,700	170
175	12.4	181.6	23,000*	25.9	215.8	20,300	31.3	227.7	18,200	38.7	241.5	14,800	44.9	250.2	11,400	50.2	255.1	8,000	175
180				21.3	204.0	19,200	27.6	218.7	17,200	35.7	234.8	13,900	42.3	244.8	10,600	47.8	250.7	7,400	180
185				15.5	188.6	18,200	23.4	207.9	16,300	32.5	227.2	13,100	39.5	238.9	9,900	45.4	245.9	6,800	185
190				4.9	159.4	17,100	18.2	194.4	15,400	28.9	218.7	12,300	36.6	232.4	9,200	42.8	240.7	6,200	190
195							10.8	174.5	14,500	24.9	208.6	11,500	33.4	225.2	8,500	40.0	234.9	5,600	195
200										20.1	196.3	10,800	29.9	216.9	7,900	37.1	228.5	5,100	200
205										13.8	179.4	10,100	26.1	207.3	7,300	34.0	221.4	4,500	205
210													21.5	195.7	6,700	30.6	213.4	4,100	210
215													15.8	180.5	6,100				215
220													5.8	153.2	5,500				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

135 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	74.5	312.2	73,100*																65
70	72.8	310.7	70,700*																70
75	71.0	309.0	68,400*																75
80	69.2	307.1	67,500*																80
85	67.4	305.1	64,800*																85
90	65.5	302.9	62,300*	69.9	306.3	57,100													90
95	63.7	300.5	59,800	68.1	304.4	52,900													95
100	61.8	297.8	55,700	66.3	302.2	49,100													100
105	59.8	295.0	52,000	64.4	299.9	45,700	67.1	301.7	42,000										105
110	57.8	291.9	48,600	62.5	297.4	42,700	65.2	299.5	39,200										110
115	55.8	288.6	45,600	60.6	294.6	40,000	63.4	297.0	36,600										115
120	53.7	285.0	42,900	58.7	291.6	37,500	61.4	294.4	34,300										120
125	51.6	281.1	40,400	56.7	288.4	35,200	59.5	291.5	32,200										125
130	49.4	276.9	38,100	54.6	284.9	33,100	57.5	288.4	30,200	62.1	292.1	25,400							130
135	47.1	272.4	36,000	52.5	281.2	31,200	55.5	285.0	28,400	60.2	289.3	23,800							135
140	44.8	267.5	34,000	50.3	277.1	29,500	53.4	281.4	26,800	58.2	286.2	22,300							140
145	42.3	262.2	32,200	48.1	272.7	27,800	51.3	277.5	25,200	56.2	283.0	20,900							145
150	39.7	256.3	30,500	45.8	268.0	26,300	49.1	273.2	23,800	54.1	279.4	19,700							150
155	37.0	249.9	28,900	43.3	262.8	24,900	46.8	268.6	22,500	52.0	275.6	18,500	56.7	279.7	14,600				155
160	34.1	242.8	27,500	40.8	257.2	23,600	44.4	263.7	21,200	49.8	271.5	17,400	54.7	276.2	13,600				160
165	30.9	234.8	26,100	38.1	251.0	22,300	41.9	258.2	20,100	47.6	267.0	16,300	52.6	272.4	12,700				165
170	27.4	225.7	24,800	35.3	244.2	21,100	39.3	252.3	19,000	45.2	262.2	15,400	50.4	268.4	11,800				170
175	23.4	214.9	23,400*	32.2	236.6	20,000	36.5	245.8	17,900	42.8	256.9	14,400	48.2	264.0	11,000	53.0	268.0	7,700	175
180	18.6	201.6	22,100*	28.8	228.0	19,000	33.6	238.5	17,000	40.2	251.2	13,600	45.9	259.3	10,300	50.8	264.0	7,000	180
185	12.0	182.7	20,400*	25.1	218.0	18,000	30.3	230.4	16,000	37.5	244.9	12,800	43.5	254.2	9,500	48.6	259.7	6,400	185
190				20.7	205.9	17,100	26.8	221.0	15,200	34.6	237.9	12,000	40.9	248.6	8,900	46.3	255.0	5,800	190
195				15.0	189.9	16,100	22.6	209.9	14,300	31.5	230.1	11,300	38.3	242.4	8,200	43.9	250.0	5,300	195
200				4.7	159.8	15,200	17.7	196.0	13,500	28.0	221.2	10,500	35.4	235.6	7,600	41.4	244.5	4,700	200
205							10.5	175.4	12,700	24.1	210.7	9,900	32.4	228.1	7,000	38.8	238.5	4,200	205
210										19.5	198.0	9,200	29.0	219.5	6,500				210
215										13.4	180.5	8,600	25.3	209.6	5,900				215
220													20.9	197.6	5,400				220
225													15.3	181.9	4,900				225
230													5.6	153.6	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

135 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	75.4	322.5	68,900*																65
70	73.8	321.1	67,100*																70
75	72.1	319.6	65,200*																75
80	70.4	317.8	63,700*																80
85	68.7	315.9	61,900*																85
90	67.0	313.8	60,400*																90
95	65.2	311.6	58,200*	69.4	315.1	52,200													95
100	63.5	309.1	55,200	67.7	313.1	48,400													100
105	61.7	306.5	51,400	66.0	311.0	45,100													105
110	59.8	303.6	48,100	64.2	308.6	42,100	66.7	310.5	38,500										110
115	58.0	300.6	45,100	62.4	306.0	39,300	64.9	308.2	35,900										115
120	56.1	297.3	42,300	60.6	303.3	36,900	63.2	305.7	33,600										120
125	54.1	293.7	39,800	58.7	300.3	34,600	61.4	303.0	31,500										125
130	52.1	289.9	37,500	56.8	297.1	32,500	59.5	300.1	29,500										130
135	50.1	285.8	35,400	54.9	293.6	30,600	57.7	297.0	27,800	62.0	300.7	23,000							135
140	47.9	281.4	33,500	52.9	290.0	28,900	55.7	293.7	26,100	60.2	297.9	21,600							140
145	45.7	276.7	31,700	50.9	286.0	27,200	53.8	290.1	24,600	58.3	294.9	20,200							145
150	43.4	271.5	30,000	48.8	281.7	25,700	51.8	286.3	23,200	56.4	291.6	18,900							150
155	41.1	265.9	28,400	46.6	277.1	24,300	49.7	282.1	21,800	54.5	288.1	17,800							155
160	38.6	259.8	27,000	44.4	272.1	23,000	47.6	277.7	20,600	52.5	284.4	16,700	56.9	288.3	12,800				160
165	35.9	253.2	25,600	42.0	266.7	21,700	45.4	272.8	19,400	50.4	280.3	15,700	55.0	284.9	11,900				165
170	33.1	245.8	24,300	39.6	260.8	20,600	43.1	267.6	18,400	48.3	276.0	14,700	53.0	281.2	11,100				170
175	30.0	237.5	23,100	37.0	254.4	19,500	40.7	262.0	17,300	46.1	271.3	13,800	51.0	277.3	10,300				175
180	26.6	228.0	21,900	34.2	247.3	18,500	38.1	255.8	16,400	43.9	266.2	12,900	48.9	273.0	9,500				180
185	22.7	216.9	20,800	31.3	239.4	17,500	35.4	249.0	15,500	41.5	260.7	12,100	46.7	268.4	8,800	51.4	272.8	5,600	185
190	18.0	203.1	19,800	28.0	230.5	16,500	32.6	241.5	14,600	39.0	254.7	11,400	44.5	263.4	8,200	49.3	268.6	5,100	190
195	11.6	183.7	18,000*	24.3	220.1	15,700	29.4	233.0	13,800	36.4	248.2	10,600	42.2	258.1	7,500	47.2	264.1	4,500	195
200				20.1	207.6	14,800	26.0	223.3	13,000	33.6	240.9	9,900	39.7	252.2	6,900	44.9	259.2	4,000	200
205				14.6	191.2	14,000	22.0	211.9	12,200	30.5	232.8	9,300	37.1	245.8	6,300				205
210				4.6	160.2	13,100	17.1	197.5	11,500	27.2	223.6	8,600	34.4	238.7	5,800				210
215							10.2	176.2	10,700	23.4	212.8	8,000	31.4	230.9	5,300				215
220										18.9	199.6	7,400	28.2	222.0	4,800				220
225										13.0	181.6	6,800	24.5	211.7	4,300				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

135 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
70	74.6	331.5	61,900*													70
75	73.1	330.1	61,400*													75
80	71.5	328.4	61,000*													80
85	69.9	326.6	59,900*													85
90	68.3	324.7	58,500*													90
95	66.6	322.6	56,600*	70.5	325.8	51,600										95
100	65.0	320.3	54,600*	68.9	323.9	47,900										100
105	63.3	317.8	50,900	67.3	321.9	44,500										105
110	61.6	315.2	47,600	65.6	319.7	41,500	68.0	321.3	37,900							110
115	59.8	312.3	44,600	64.0	317.3	38,800	66.4	319.2	35,300							115
120	58.1	309.3	41,800	62.3	314.7	36,300	64.7	316.9	33,000							120
125	56.3	306.0	39,300	60.6	311.9	34,000	63.0	314.4	30,900							125
130	54.4	302.5	37,000	58.8	309.0	32,000	61.3	311.7	29,000							130
135	52.5	298.7	34,900	57.0	305.8	30,100	59.6	308.8	27,200							135
140	50.6	294.7	33,000	55.2	302.4	28,300	57.8	305.7	25,500	61.9	309.4	20,900				140
145	48.6	290.4	31,200	53.3	298.7	26,700	56.0	302.4	24,000	60.2	306.6	19,600				145
150	46.6	285.8	29,500	51.4	294.8	25,200	54.1	298.9	22,600	58.4	303.6	18,300				150
155	44.4	280.8	27,900	49.4	290.6	23,800	52.2	295.1	21,300	56.6	300.3	17,200				155
160	42.2	275.4	26,500	47.4	286.1	22,500	50.3	291.0	20,000	54.8	296.9	16,100				160
165	39.9	269.6	25,100	45.3	281.3	21,200	48.3	286.6	18,900	52.9	293.2	15,100	57.1	297.0	11,300	165
170	37.5	263.3	23,800	43.1	276.1	20,100	46.2	282.0	17,800	51.0	289.2	14,100	55.3	293.6	10,500	170
175	34.9	256.3	22,600	40.9	270.4	19,000	44.1	276.9	16,800	49.0	284.9	13,200	53.4	290.0	9,700	175
180	32.1	248.7	21,500	38.5	264.3	18,000	41.9	271.5	15,800	46.9	280.4	12,400	51.5	286.1	8,900	180
185	29.1	240.1	20,400	36.0	257.7	17,000	39.5	265.6	14,900	44.8	275.4	11,500	49.5	281.9	8,200	185
190	25.8	230.3	19,400	33.3	250.3	16,100	37.1	259.2	14,100	42.6	270.1	10,800	47.5	277.4	7,600	190
195	22.1	218.8	18,400	30.4	242.1	15,200	34.5	252.1	13,300	40.3	264.4	10,100	45.4	272.6	6,900	195
200	17.5	204.7	17,400	27.2	232.9	14,400	31.7	244.3	12,500	37.9	258.2	9,400	43.2	267.4	6,300	200
205	11.3	184.6	15,700*	23.7	222.2	13,600	28.6	235.6	11,700	35.4	251.4	8,700	41.0	261.8	5,800	205
210				19.5	209.3	12,800	25.3	225.6	11,000	32.6	243.8	8,100	38.6	255.7	5,200	210
215				14.2	192.4	12,000	21.4	213.7	10,300	29.7	235.4	7,500	36.1	249.1	4,700	215
220				4.4	160.5	11,200	16.7	198.9	9,700	26.5	225.9	6,900	33.4	241.8	4,200	220
225							9.9	177.1	9,000	22.8	214.8	6,400				225
230										18.4	201.2	5,800				230
235										12.6	182.7	5,300				235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

135 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
70	75.4	341.9	56,000*													70
75	73.9	340.5	54,800*													75
80	72.4	339.0	54,700*													80
85	70.9	337.3	53,900*													85
90	69.4	335.4	53,500*													90
95	67.9	333.4	53,100*													95
100	66.3	331.3	50,800*	70.0	334.6	47,200										100
105	64.7	329.0	48,600*	68.5	332.7	43,900										105
110	63.1	326.5	46,300*	66.9	330.6	40,900										110
115	61.5	323.8	44,000	65.4	328.4	38,100	67.6	330.1	34,600							115
120	59.9	321.0	41,300	63.8	326.0	35,700	66.0	327.9	32,300							120
125	58.2	317.9	38,800	62.2	323.4	33,400	64.5	325.6	30,200							125
130	56.5	314.7	36,500	60.5	320.6	31,400	62.9	323.0	28,300							130
135	54.7	311.2	34,400	58.9	317.6	29,500	61.2	320.4	26,500							135
140	52.9	307.5	32,400	57.2	314.5	27,700	59.6	317.5	24,900							140
145	51.1	303.5	30,600	55.4	311.1	26,100	57.9	314.4	23,400	61.8	318.1	18,900				145
150	49.2	299.3	29,000	53.7	307.5	24,600	56.2	311.1	21,900	60.1	315.2	17,600				150
155	47.3	294.8	27,400	51.9	303.6	23,200	54.4	307.6	20,600	58.5	312.2	16,500				155
160	45.3	290.0	26,000	50.0	299.5	21,900	52.6	303.8	19,400	56.8	309.0	15,400				160
165	43.2	284.8	24,600	48.1	295.1	20,600	50.8	299.9	18,300	55.0	305.6	14,400				165
170	41.1	279.2	23,300	46.1	290.4	19,500	48.9	295.6	17,200	53.3	301.9	13,400	57.2	305.7	9,700	170
175	38.8	273.1	22,100	44.1	285.4	18,400	47.0	291.0	16,200	51.4	298.0	12,500	55.5	302.3	8,900	175
180	36.5	266.6	21,000	42.0	279.9	17,400	45.0	286.1	15,200	49.6	293.8	11,700	53.8	298.7	8,200	180
185	34.0	259.4	19,900	39.8	274.1	16,400	42.9	280.9	14,300	47.7	289.4	10,900	51.9	294.9	7,500	185
190	31.3	251.5	18,900	37.5	267.7	15,500	40.7	275.2	13,500	45.7	284.6	10,100	50.1	290.8	6,800	190
195	28.4	242.6	17,900	35.0	260.8	14,600	38.5	269.1	12,700	43.6	279.5	9,400	48.2	286.4	6,200	195
200	25.2	232.5	17,000	32.4	253.2	13,800	36.1	262.4	11,900	41.5	274.0	8,700	46.2	281.7	5,600	200
205	21.5	220.7	16,100	29.6	244.8	13,000	33.6	255.1	11,200	39.3	268.0	8,100	44.2	276.7	5,100	205
210	17.1	206.1	15,200	26.5	235.3	12,300	30.8	247.1	10,500	36.9	261.5	7,500	42.1	271.3	4,500	210
215	11.0	185.6	13,700*	23.1	224.2	11,500	27.9	238.0	9,800	34.4	254.5	6,900	39.9	265.4	4,000	215
220				19.0	211.0	10,800	24.6	227.7	9,100	31.8	246.7	6,300				220
225				13.8	193.6	10,200	20.8	215.6	8,500	28.9	238.0	5,800				225
230				4.3	160.9	9,400	16.2	200.3	7,900	25.8	228.2	5,300				230
235							9.6	177.9	7,300	22.2	216.8	4,800				235
240										17.9	202.8	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

145 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	64.6	221.3	121,100*b																			50
55	59.9	218.6	113,900*b																			55
60	55.0	215.3	107,500*b																			60
65	49.7	211.3	101,800*	62.6	218.6	105,400b																65
70	44.0	206.4	96,700*	57.9	215.6	95,800b	65.1	218.5	91,500b													70
75	37.6	200.4	90,500*	52.8	212.0	87,700b	60.4	215.8	83,800b													75
80	30.1	192.6	82,200*	47.4	207.7	80,800	55.6	212.5	77,200b													80
85	20.0	181.4	75,100*	41.5	202.4	74,800	50.4	208.6	71,400	62.8	213.8	65,900b										85
90				34.7	195.8	69,500	44.7	203.8	66,400	58.1	210.8	61,200b										90
95				26.3	186.9	64,800	38.4	198.0	62,000	53.1	207.3	57,100b										95
100				13.7	172.4	60,600	31.0	190.5	58,000	47.7	203.0	53,500										100
105							21.4	179.8	54,400	41.7	197.7	50,200	55.3	204.4	46,000b							105
110										35.0	191.2	47,300	50.1	200.5	43,300							110
115										26.7	182.4	44,600	44.4	195.7	40,800							115
120										14.5	168.4	42,000	38.1	189.8	38,600	52.0	196.4	35,100				120
125										30.6	182.2	36,500	30.6	182.2	36,500	46.5	191.9	33,200				125
130										20.8	171.3	34,600	20.8	171.3	34,600	40.4	186.5	31,400				130
135																33.5	179.6	29,800	47.9	186.6	26,900	135
140																24.8	170.2	28,300	42.0	181.4	25,500	140
145																10.3	153.3	26,800	35.3	174.9	24,300	145
150																			27.2	166.3	23,000	150
155																			15.3	152.7	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

145 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	68.0	232.3	117,600*b																			50
55	64.0	230.0	110,800*b																			55
60	59.9	227.2	104,600*b																			60
65	55.6	224.0	99,100*	66.3	229.8	104,900b																65
70	51.1	220.1	94,100*	62.3	227.3	95,300b																70
75	46.3	215.6	89,600*	58.2	224.3	87,300b	64.5	227.1	83,200b													75
80	41.0	210.2	82,500*	53.8	220.8	80,400	60.4	224.4	76,600b													80
85	35.1	203.6	75,400*	49.1	216.7	74,400	56.1	221.2	70,900													85
90	28.0	195.1	69,200*	44.1	211.8	69,200	51.6	217.4	65,900	62.5	222.5	60,600b										90
95	18.6	183.0	63,900*	38.6	206.0	64,500	46.9	213.0	61,500	58.3	219.5	56,500										95
100				32.3	198.7	60,400	41.6	207.7	57,600	54.0	216.0	52,900										100
105				24.5	189.1	56,700	35.8	201.2	54,100	49.4	211.9	49,700										105
110				12.8	173.4	53,300	28.9	193.1	50,900	44.4	207.1	46,800	55.9	213.1	42,600							110
115							19.9	181.6	48,000	38.9	201.3	44,100	51.4	209.3	40,200							115
120										32.6	194.1	41,700	46.6	204.9	38,000							120
125										24.9	184.6	39,400	41.4	199.5	36,000							125
130										13.5	169.5	37,300	35.5	193.0	34,100	48.4	201.0	30,800				130
135													28.6	184.7	32,300	43.3	196.0	29,200				135
140													19.4	173.0	30,700	37.7	189.9	27,800				140
145																31.2	182.4	26,400				145
150																23.1	172.2	25,100	44.6	190.8	23,600	150
155																9.5	154.0	23,800	39.1	185.0	22,400	155
160																			32.9	177.9	21,400	160
165																			25.3	168.5	20,300	165
																			14.2	153.9	19,300	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

145 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	70.5	243.1	113,300*b																			50
55	67.1	241.1	107,000*b																			55
60	63.6	238.7	101,200*b																			60
65	59.9	235.9	95,900*	69.1	240.6	104,400b																65
70	56.1	232.7	91,100*	65.6	238.5	94,900b																70
75	52.2	229.0	86,800*	62.1	235.9	86,900	67.5	238.2	82,800b													75
80	48.0	224.6	82,800*	58.4	233.0	80,000	64.0	235.8	76,200b													80
85	43.5	219.6	76,000*	54.5	229.6	74,000	60.3	233.1	70,500													85
90	38.5	213.7	69,800*	50.4	225.6	68,800	56.6	229.9	65,500													90
95	33.0	206.5	64,400*	46.1	221.0	64,200	52.6	226.3	61,200	62.2	231.1	56,100										95
100	26.4	197.5	59,700*	41.5	215.6	60,100	48.5	222.0	57,300	58.5	228.2	52,500										100
105	17.5	184.5	55,500*	36.3	209.3	56,500	44.0	217.1	53,800	54.7	224.8	49,300										105
110				30.4	201.4	53,200	39.1	211.3	50,600	50.6	220.8	46,400										110
115				23.1	191.1	50,100	33.6	204.3	47,800	46.3	216.3	43,700	56.4	221.8	39,700							115
120				12.0	174.4	47,300	27.2	195.5	45,100	41.7	211.0	41,300	52.4	218.2	37,500							120
125							18.7	183.2	42,700	36.5	204.6	39,100	48.3	213.9	35,500							125
130										30.6	196.8	37,100	43.8	208.9	33,700							130
135										23.4	186.7	35,200	38.9	203.1	32,000	49.8	209.9	28,800				135
140										12.7	170.6	33,400	33.4	196.0	30,400	45.4	205.2	27,300				140
145													26.8	187.1	28,900	40.7	199.7	26,000				145
150													18.2	174.5	27,500	35.4	193.1	24,700	46.5	199.9	22,000	150
155																29.3	185.0	23,600	41.9	194.6	20,900	155
160																21.7	174.1	22,400	36.8	188.3	19,900	160
165																8.9	154.7	21,300	30.9	180.7	19,000	165
170																			23.8	170.6	18,100	170
175																			13.4	155.0	17,200	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

145 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	72.5	253.7	109,900*b																			50
55	69.5	251.9	103,900*b																			55
60	66.4	249.8	98,400*b																			60
65	63.2	247.4	93,300*																			65
70	59.9	244.6	88,700*	68.2	249.4	94,400b																70
75	56.5	241.4	84,500*	65.1	247.2	86,400																75
80	53.0	237.7	80,700*	61.9	244.6	79,500	66.8	246.9	75,600b													80
85	49.3	233.6	75,900*	58.5	241.6	73,500	63.6	244.5	70,000													85
90	45.3	228.9	69,600*	55.1	238.3	68,400	60.3	241.7	65,000													90
95	41.1	223.4	64,200*	51.5	234.4	63,800	56.9	238.6	60,600													95
100	36.4	217.0	59,500*	47.7	230.1	59,700	53.4	235.0	56,700	62.0	239.8	51,800										100
105	31.2	209.3	55,300*	43.6	225.1	56,100	49.7	231.0	53,300	58.7	236.8	48,600										105
110	24.9	199.7	51,600*	39.2	219.2	52,800	45.8	226.3	50,100	55.2	233.5	45,800										110
115	16.6	185.9	47,800*	34.3	212.4	49,800	41.6	220.9	47,300	51.6	229.7	43,200										115
120				28.7	204.0	47,100	37.0	214.6	44,700	47.8	225.3	40,800	56.8	230.5	36,900							120
125				21.8	193.0	44,600	31.8	207.1	42,300	43.8	220.4	38,600	53.2	226.9	34,900							125
130				11.3	175.4	42,200	25.7	197.7	40,200	39.4	214.6	36,600	49.5	222.8	33,100							130
135							17.7	184.7	38,100	34.6	207.7	34,800	45.6	218.1	31,400							135
140										29.0	199.4	33,000	41.4	212.7	29,800	50.9	218.8	26,700				140
145										22.2	188.6	31,400	36.8	206.4	28,400	47.0	214.3	25,300				145
150										12.0	171.6	29,900	31.6	198.8	27,000	42.9	209.2	24,100				150
155													25.4	189.3	25,700	38.5	203.2	23,000	48.0	209.0	20,200	155
160													17.3	176.0	24,500	33.5	196.2	21,900	44.0	204.0	19,300	160
165																27.7	187.4	20,800	39.6	198.3	18,300	165
170																20.5	175.9	19,900	34.8	191.5	17,500	170
175																8.4	155.4	18,900	29.3	183.3	16,600	175
180																			22.5	172.6	15,800	180
185																			12.6	156.1	15,000	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

145 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	74.2	264.2	106,800* ^b																			50
55	71.4	262.5	101,100* ^b																			55
60	68.7	260.7	95,900*																			60
65	65.8	258.5	91,100*																			65
70	62.9	256.0	86,800*	70.3	260.2	83,900 ^b																70
75	59.9	253.2	82,700*	67.5	258.2	76,400																75
80	56.9	250.1	78,600	64.6	255.9	70,000																80
85	53.7	246.5	72,500	61.7	253.3	64,500	66.2	255.6	59,800													85
90	50.3	242.5	67,100	58.7	250.3	59,700	63.3	253.2	55,200													90
95	46.8	238.0	62,400	55.5	247.0	55,400	60.3	250.4	51,300													95
100	43.1	232.9	58,200	52.3	243.3	51,700	57.2	247.3	47,700													100
105	39.1	227.0	54,500	48.9	239.0	48,300	54.0	243.8	44,600	61.8	248.4	38,400										105
110	34.7	220.2	51,100	45.3	234.3	45,200	50.7	239.8	41,700	58.8	245.5	35,900										110
115	29.7	212.0	48,000	41.4	228.9	42,500	47.2	235.4	39,100	55.7	242.2	33,600										115
120	23.7	201.7	44,600*	37.3	222.6	40,000	43.5	230.3	36,800	52.4	238.5	31,500										120
125	15.7	187.3	41,300*	32.7	215.3	37,600	39.5	224.5	34,600	49.0	234.3	29,600	57.1	239.2	24,600							125
130				27.3	206.4	35,500	35.2	217.8	32,600	45.4	229.6	27,800	53.9	235.7	23,100							130
135				20.8	194.8	33,500	30.3	209.8	30,800	41.6	224.2	26,200	50.6	231.7	21,700							135
140				10.7	176.3	31,600	24.5	199.9	29,100	37.5	218.0	24,700	47.1	227.2	20,400							140
145				16.9	186.2	27,400	16.9	186.2	27,400	32.9	210.7	23,300	43.3	222.2	19,200	51.8	227.6	15,100				145
150										27.6	201.9	22,000	39.3	216.3	18,000	48.3	223.3	14,100				150
155										21.1	190.5	20,700	35.0	209.6	17,000	44.7	218.5	13,200				155
160										11.4	172.5	19,500	30.0	201.5	15,900	40.8	213.0	12,300				160
165													24.2	191.5	15,000	36.6	206.6	11,500	45.6	213.2	8,100	165
170													16.4	177.4	14,000	31.9	199.0	10,700	41.8	207.9	7,500	170
175																26.4	189.8	10,000	37.7	201.7	6,900	175
180																19.5	177.6	9,300	33.1	194.5	6,300	180
185																8.0	156.1	8,500	27.8	185.7	5,700	185
190																			21.4	174.5	5,100	190
195																			12.0	157.1	4,500	195

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

145 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		
50	75.5	274.5	103,300*																			50	
55	73.0	273.1	98,000*b																				55
60	70.5	271.4	93,100*																				60
65	68.0	269.4	88,600*																				65
70	65.4	267.2	84,400*																				70
75	62.7	264.7	80,600*	69.5	268.9	75,700																	75
80	59.9	261.9	77,000*	66.9	266.9	69,400																	80
85	57.1	258.7	72,000	64.2	264.5	63,800																	85
90	54.2	255.3	66,600	61.5	261.9	59,000	65.7	264.3	54,500														90
95	51.2	251.4	61,900	58.8	259.0	54,800	63.0	261.8	50,500														95
100	48.0	247.0	57,800	55.9	255.7	51,000	60.3	259.1	47,000														100
105	44.7	242.1	54,000	53.0	252.0	47,700	57.5	256.0	43,900														105
110	41.1	236.6	50,600	49.9	248.0	44,600	54.6	252.5	41,000	61.7	257.1	35,100											110
115	37.3	230.4	47,600	46.7	243.4	41,900	51.5	248.7	38,500	58.9	254.2	32,800											115
120	33.1	223.1	44,800	43.2	238.3	39,400	48.4	244.4	36,100	56.0	250.9	30,700											120
125	28.3	214.5	41,600*	39.6	232.5	37,100	45.1	239.6	34,000	53.1	247.3	28,800											125
130	22.7	203.7	38,500*	35.6	225.9	35,000	41.6	234.1	32,000	50.0	243.2	27,100	57.3	247.9	22,300								130
135	15.0	188.6	35,800*	31.2	218.1	33,000	37.8	228.0	30,200	46.8	238.7	25,500	54.4	244.4	20,900								135
140				26.1	208.7	31,200	33.6	220.9	28,500	43.4	233.6	24,000	51.4	240.6	19,600								140
145				19.8	196.6	29,500	28.9	212.4	27,000	39.7	227.8	22,700	48.2	236.3	18,400								145
150				10.3	177.1	27,800	23.4	202.0	25,500	35.8	221.2	21,400	44.9	231.4	17,300	52.5	236.4	13,300					150
155							16.1	187.6	24,100	31.4	213.5	20,200	41.4	226.0	16,200	49.4	232.3	12,400					155
160										26.4	204.2	19,000	37.6	219.8	15,200	46.1	227.6	11,500					160
165										20.2	192.2	17,900	33.4	212.6	14,300	42.7	222.4	10,700					165
170										10.9	173.4	16,800	28.7	204.1	13,400	39.0	216.5	10,000	46.9	222.3	6,600		170
175													23.1	193.5	12,600	34.9	209.7	9,300	43.5	217.2	6,000		175
180													15.7	178.8	11,700	30.4	201.7	8,600	39.9	211.5	5,500		180
185																25.2	192.0	7,900	36.0	205.0	4,900		185
190																18.7	179.2	7,300	31.6	197.3	4,400		190
195																7.6	156.7	6,600					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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

145 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	74.4	283.5	95,100*																55
60	72.1	282.0	90,600*																60
65	69.7	280.2	86,300*																65
70	67.4	278.2	82,300*																70
75	64.9	275.9	78,600*																75
80	62.5	273.4	75,200*	68.8	277.7	69,000													80
85	59.9	270.5	71,600	66.4	275.6	63,500													85
90	57.4	267.4	66,300	63.9	273.2	58,700	67.6	275.2	54,100										90
95	54.7	264.0	61,600	61.4	270.6	54,500	65.2	273.0	50,200										95
100	51.9	260.2	57,500	58.9	267.6	50,700	62.8	270.5	46,700										100
105	49.0	256.0	53,800	56.2	264.4	47,400	60.2	267.7	43,500										105
110	46.0	251.3	50,400	53.5	260.8	44,300	57.7	264.6	40,700										110
115	42.8	246.1	47,400	50.7	256.8	41,600	55.0	261.2	38,200	61.5	265.8	32,500							115
120	39.4	240.3	44,600	47.8	252.4	39,100	52.2	257.5	35,800	59.0	262.8	30,400							120
125	35.8	233.6	42,000*	44.7	247.6	36,800	49.4	253.3	33,700	56.4	259.6	28,500							125
130	31.8	226.0	39,000*	41.4	242.1	34,800	46.4	248.7	31,800	53.6	256.0	26,800							130
135	27.2	216.9	36,200*	37.9	236.0	32,800	43.2	243.6	30,000	50.8	252.1	25,200	57.5	256.6	20,500				135
140	21.8	205.6	33,700*	34.1	228.9	31,000	39.8	237.8	28,300	47.9	247.7	23,700	54.9	253.2	19,300				140
145	14.4	189.8	31,500*	29.9	220.8	29,400	36.2	231.3	26,800	44.8	242.8	22,400	52.1	249.4	18,100				145
150				25.1	210.9	27,800	32.2	223.8	25,300	41.6	237.4	21,100	49.2	245.2	17,000				150
155				19.0	198.2	26,400	27.7	214.9	24,000	38.1	231.3	19,900	46.2	240.6	15,900				155
160				9.8	178.0	24,900	22.4	203.9	22,700	34.3	224.3	18,800	43.0	235.4	15,000	50.3	241.2	11,200	160
165							15.4	188.9	21,400	30.1	216.2	17,800	39.7	229.6	14,100	47.3	236.7	10,400	165
170										25.3	206.5	16,800	36.0	223.0	13,200	44.2	231.7	9,700	170
175										19.3	193.9	15,800	32.0	215.5	12,400	40.9	226.2	9,000	175
180										10.4	174.3	14,800	27.5	206.5	11,600	37.4	219.9	8,400	180
185													22.2	195.4	10,900	33.5	212.7	7,700	185
190													15.0	180.1	10,100	29.2	204.3	7,100	190
195																24.2	194.2	6,500	195
200																17.9	180.8	6,000	200
205																7.3	157.3	5,300	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

145 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	75.5	293.9	91,800*																55
60	73.4	292.5	87,600*																60
65	71.3	290.8	83,700*																65
70	69.1	289.0	79,900*																70
75	66.9	286.9	76,400*																75
80	64.6	284.6	73,200*	70.3	288.4	68,300													80
85	62.3	282.0	70,100*	68.1	286.5	62,800													85
90	60.0	279.2	65,800	65.9	284.3	58,000													90
95	57.5	276.1	61,100	63.6	281.9	53,800	67.1	284.0	49,500										95
100	55.1	272.7	57,000	61.3	279.2	50,100	64.9	281.7	46,000										100
105	52.5	269.0	53,200	59.0	276.3	46,700	62.6	279.2	42,800										105
110	49.9	264.9	49,900	56.5	273.1	43,700	60.2	276.4	40,000										110
115	47.1	260.4	46,900	54.0	269.6	41,000	57.8	273.3	37,500										115
120	44.2	255.4	44,100	51.4	265.7	38,500	55.4	270.0	35,200	61.4	274.4	29,600							120
125	41.2	249.9	41,600	48.7	261.4	36,300	52.8	266.3	33,100	59.1	271.5	27,800							125
130	37.9	243.7	39,300*	45.9	256.7	34,200	50.2	262.2	31,100	56.6	268.3	26,100							130
135	34.4	236.7	36,500*	43.0	251.5	32,300	47.4	257.7	29,300	54.1	264.8	24,500							135
140	30.6	228.7	34,000*	39.8	245.7	30,500	44.6	252.8	27,700	51.5	260.9	23,000	57.7	265.3	18,500				140
145	26.2	219.2	31,700*	36.5	239.3	28,800	41.5	247.4	26,100	48.9	256.7	21,700	55.2	261.9	17,300				145
150	20.9	207.5	29,600*	32.9	231.9	27,300	38.3	241.3	24,700	46.1	252.0	20,400	52.7	258.2	16,200				150
155	13.9	191.0	27,800*	28.8	223.3	25,900	34.8	234.4	23,400	43.1	246.8	19,200	50.1	254.1	15,200				155
160				24.1	213.0	24,500	31.0	226.5	22,100	40.0	241.1	18,100	47.3	249.6	14,200				160
165				18.3	199.8	23,200	26.7	217.3	20,900	36.6	234.6	17,100	44.4	244.7	13,300	51.0	250.0	9,600	165
170				9.5	178.8	21,900	21.6	205.8	19,800	33.0	227.3	16,100	41.4	239.2	12,500	48.3	245.7	8,900	170
175							14.9	190.2	18,700	29.0	218.8	15,200	38.2	233.1	11,700	45.5	240.9	8,200	175
180										24.3	208.6	14,300	34.7	226.2	10,900	42.5	235.7	7,600	180
185										18.6	195.5	13,500	30.8	218.2	10,200	39.3	229.8	7,000	185
190										10.0	175.2	12,600	26.5	208.9	9,500	35.9	223.2	6,400	190
195													21.3	197.3	8,900	32.2	215.6	5,800	195
200													14.5	181.3	8,200	28.1	206.8	5,300	200
205																23.3	196.2	4,800	205
210																17.2	182.3	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

145 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	74.5	302.9	83,900*																60
65	72.5	301.4	80,300*																65
70	70.5	299.7	76,900*																70
75	68.5	297.7	73,600*																75
80	66.4	295.6	70,600*																80
85	64.3	293.3	67,800*	69.7	297.2	62,200													85
90	62.1	290.7	65,100*	67.6	295.2	57,400													90
95	60.0	287.9	60,600	65.5	293.0	53,200													95
100	57.7	284.8	56,400	63.4	290.6	49,400	66.6	292.7	45,300										100
105	55.4	281.4	52,700	61.2	287.9	46,100	64.5	290.4	42,200										105
110	53.0	277.7	49,400	59.0	285.0	43,100	62.4	287.8	39,400										110
115	50.6	273.7	46,300	56.8	281.8	40,400	60.2	285.0	36,800										115
120	48.1	269.4	43,600	54.4	278.3	37,900	58.0	282.0	34,500										120
125	45.4	264.6	41,100	52.0	274.5	35,700	55.7	278.7	32,400	61.3	283.1	27,100							125
130	42.6	259.3	38,800	49.5	270.3	33,600	53.3	275.0	30,500	59.1	280.2	25,400							130
135	39.7	253.5	36,600	47.0	265.8	31,700	50.9	271.1	28,700	56.9	277.0	23,800							135
140	36.6	247.0	34,600*	44.3	260.8	29,900	48.4	266.7	27,100	54.5	273.5	22,400							140
145	33.2	239.7	32,300*	41.4	255.3	28,300	45.7	262.0	25,600	52.1	269.7	21,000	57.9	273.9	16,600				145
150	29.5	231.3	30,200*	38.4	249.2	26,800	43.0	256.8	24,100	49.7	265.6	19,800	55.6	270.6	15,500				150
155	25.2	221.5	28,200*	35.2	242.4	25,400	40.1	251.0	22,800	47.1	261.1	18,600	53.2	266.9	14,500				155
160	20.2	209.2	26,500*	31.7	234.7	24,000	36.9	244.6	21,600	44.4	256.1	17,500	50.8	263.0	13,600				160
165	13.4	192.1	25,000*	27.8	225.8	22,800	33.6	237.4	20,400	41.6	250.6	16,500	48.2	258.6	12,700				165
170				23.3	215.1	21,600	29.9	229.2	19,300	38.6	244.6	15,500	45.6	253.9	11,800	51.6	258.9	8,200	170
175				17.7	201.3	20,400	25.8	219.5	18,300	35.3	237.8	14,600	42.8	248.6	11,100	49.1	254.7	7,500	175
180				9.1	179.5	19,300	20.8	207.7	17,300	31.9	230.2	13,800	39.9	242.8	10,300	46.5	250.0	6,900	180
185							14.3	191.4	16,300	28.0	221.3	13,000	36.8	236.4	9,600	43.8	245.0	6,300	185
190										23.5	210.7	12,200	33.4	229.2	8,900	41.0	239.4	5,700	190
195										18.0	197.1	11,400	29.7	220.9	8,300	37.9	233.2	5,200	195
200										9.7	176.0	10,600	25.6	211.1	7,700	34.7	226.3	4,700	200
205													20.6	199.1	7,100	31.1	218.4	4,200	205
210													14.0	182.5	6,500				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

145 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	75.5	313.3	79,200*																60
65	73.7	311.9	76,300*																65
70	71.8	310.3	74,300*																70
75	69.9	308.5	71,400*																75
80	68.0	306.5	68,500*																80
85	66.0	304.3	65,800*	71.0	307.9	61,500													85
90	64.0	301.9	63,300*	69.1	306.0	56,700													90
95	62.0	299.4	60,000	67.2	304.0	52,500													95
100	60.0	296.5	55,900	65.2	301.7	48,800													100
105	57.9	293.5	52,200	63.2	299.3	45,500	66.2	301.4	41,500										105
110	55.7	290.1	48,800	61.2	296.6	42,500	64.3	299.1	38,700										110
115	53.5	286.5	45,800	59.1	293.6	39,700	62.2	296.5	36,100										115
120	51.2	282.6	43,100	57.0	290.5	37,300	60.2	293.7	33,800										120
125	48.9	278.3	40,500	54.8	287.0	35,000	58.1	290.7	31,700										125
130	46.4	273.7	38,200	52.6	283.3	33,000	56.0	287.4	29,800	61.2	291.7	24,600							130
135	43.9	268.6	36,100	50.2	279.2	31,100	53.8	283.8	28,100	59.2	288.8	23,100							135
140	41.2	263.1	34,200	47.9	274.8	29,300	51.5	279.9	26,400	57.1	285.7	21,600							140
145	38.4	257.0	32,400	45.4	270.0	27,700	49.1	275.7	24,900	54.9	282.2	20,300							145
150	35.4	250.2	30,400*	42.8	264.8	26,200	46.7	271.1	23,500	52.7	278.5	19,100	58.0	282.6	14,700				150
155	32.1	242.6	28,500*	40.0	259.0	24,800	44.2	266.1	22,200	50.3	274.5	17,900	55.9	279.3	13,700				155
160	28.5	233.9	26,700*	37.1	252.6	23,500	41.5	260.6	21,000	48.0	270.1	16,800	53.6	275.7	12,800				160
165	24.4	223.6	25,100*	34.0	245.5	22,200	38.7	254.6	19,800	45.5	265.3	15,800	51.4	271.8	11,900				165
170	19.5	211.0	23,600*	30.6	237.5	21,000	35.7	247.9	18,700	42.9	260.1	14,900	49.0	267.6	11,100				170
175	12.9	193.3	22,300*	26.9	228.2	19,900	32.5	240.4	17,700	40.2	254.3	14,000	46.6	263.0	10,300	52.2	267.7	6,700	175
180				22.5	217.1	18,900	28.9	231.8	16,700	37.3	248.0	13,100	44.1	257.9	9,600	49.9	263.6	6,100	180
185				17.1	202.8	17,900	24.9	221.7	15,800	34.2	240.9	12,300	41.4	252.4	8,900	47.5	259.1	5,500	185
190				8.8	180.3	16,900	20.2	209.4	14,900	30.8	232.9	11,600	38.6	246.4	8,200	45.0	254.2	5,000	190
195							13.9	192.6	14,000	27.0	223.7	10,800	35.6	239.6	7,600	42.4	248.9	4,400	195
200										22.7	212.7	10,100	32.3	232.1	7,000				200
205										17.4	198.6	9,400	28.8	223.4	6,400				205
210										9.3	176.8	8,700	24.7	213.3	5,900				210
215													19.9	200.9	5,300				215
220													13.5	183.7	4,800				220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

145 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	74.7	322.3	72,000*																65
70	72.9	320.8	69,700*																70
75	71.1	319.1	67,500*																75
80	69.3	317.3	66,600*																80
85	67.5	315.2	64,000*																85
90	65.7	313.0	61,700*	70.4	316.7	56,300													90
95	63.8	310.6	59,400*	68.6	314.8	52,100													95
100	61.9	308.0	55,500	66.7	312.7	48,400													100
105	60.0	305.2	51,800	64.9	310.4	45,100	67.7	312.3	41,100										105
110	58.0	302.1	48,500	63.0	307.9	42,100	65.9	310.1	38,300										110
115	56.0	298.8	45,400	61.1	305.2	39,400	64.0	307.8	35,700										115
120	53.9	295.3	42,700	59.1	302.3	36,900	62.1	305.2	33,500										120
125	51.8	291.4	40,200	57.1	299.1	34,700	60.2	302.4	31,400										125
130	49.6	287.2	37,900	55.1	295.7	32,600	58.2	299.3	29,500										130
135	47.3	282.7	35,800	53.0	292.0	30,700	56.2	296.1	27,700	61.2	300.4	22,700							135
140	45.0	277.9	33,900	50.9	288.1	29,000	54.1	292.5	26,100	59.2	297.5	21,300							140
145	42.5	272.6	32,100	48.6	283.8	27,400	52.0	288.7	24,600	57.2	294.3	19,900							145
150	39.9	266.8	30,400	46.3	279.1	25,900	49.8	284.6	23,200	55.2	290.9	18,700							150
155	37.2	260.4	28,800*	43.9	274.1	24,500	47.6	280.1	21,900	53.1	287.3	17,600							155
160	34.3	253.3	27,000*	41.4	268.6	23,100	45.2	275.3	20,600	51.0	283.3	16,500	56.1	288.0	12,400				160
165	31.1	245.4	25,400*	38.8	262.5	21,900	42.8	270.0	19,500	48.7	279.0	15,500	54.0	284.4	11,500				165
170	27.6	236.3	23,900*	36.0	255.9	20,800	40.2	264.3	18,400	46.4	274.4	14,500	51.9	280.6	10,700				170
175	23.7	225.7	22,500*	33.0	248.5	19,700	37.5	258.0	17,400	44.0	269.4	13,600	49.7	276.5	10,000				175
180	18.9	212.6	21,200*	29.7	240.1	18,600	34.6	251.0	16,400	41.5	263.9	12,800	47.5	272.0	9,200	52.7	276.4	5,800	180
185	12.5	194.3	20,100*	26.0	230.5	17,700	31.5	243.2	15,500	38.9	257.9	12,000	45.1	267.1	8,500	50.5	272.4	5,200	185
190				21.8	219.0	16,700	28.0	234.3	14,700	36.1	251.2	11,300	42.7	261.9	7,900	48.3	268.1	4,600	190
195				16.6	204.3	15,800	24.1	223.9	13,800	33.1	243.9	10,500	40.1	256.1	7,300	46.0	263.4	4,100	195
200				8.5	181.0	14,900	19.5	211.1	13,100	29.8	235.6	9,900	37.4	249.8	6,700				200
205							13.4	193.7	12,300	26.2	226.0	9,200	34.5	242.7	6,100				205
210										22.0	214.6	8,600	31.3	234.9	5,600				210
215										16.8	200.1	8,000	27.9	225.9	5,100				215
220										9.0	177.5	7,300	24.0	215.4	4,600				220
225													19.3	202.5	4,100				225

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

145 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	75.5	332.6	66,800*													65
70	73.9	331.2	66,000*													70
75	72.2	329.7	64,300*													75
80	70.5	327.9	57,600*													80
85	68.8	326.0	61,200*													85
90	67.1	324.0	59,700*													90
95	65.4	321.7	57,600*	69.8	325.5	51,400										95
100	63.6	319.3	55,000	68.1	323.6	47,700										100
105	61.8	316.7	51,300	66.4	321.4	44,400										105
110	60.0	313.8	47,900	64.6	319.1	41,400	67.3	321.1	37,600							110
115	58.1	310.8	44,900	62.8	316.6	38,700	65.6	318.8	35,100							115
120	56.2	307.5	42,200	61.0	313.9	36,300	63.8	316.4	32,800							120
125	54.2	304.0	39,700	59.2	311.0	34,000	62.0	313.8	30,700							125
130	52.2	300.2	37,400	57.3	307.8	32,000	60.2	311.0	28,800							130
135	50.2	296.1	35,300	55.4	304.4	30,100	58.3	308.0	27,000	62.9	311.8	21,900				135
140	48.1	291.7	33,300	53.4	300.8	28,400	56.4	304.7	25,400	61.1	309.1	20,500				140
145	45.9	287.0	31,500	51.4	296.9	26,800	54.5	301.2	23,900	59.3	306.2	19,200				145
150	43.6	281.9	29,900	49.3	292.7	25,300	52.5	297.5	22,500	57.4	303.0	18,000				150
155	41.2	276.3	28,300	47.2	288.2	23,900	50.4	293.4	21,200	55.5	299.7	16,800				155
160	38.7	270.3	26,800	44.9	283.3	22,600	48.3	289.1	20,000	53.5	296.0	15,800				160
165	36.1	263.6	25,500	42.6	278.0	21,300	46.1	284.4	18,900	51.5	292.1	14,800	56.3	296.7	10,800	165
170	33.3	256.3	24,100*	40.2	272.2	20,200	43.9	279.3	17,800	49.4	287.9	13,800	54.4	293.2	10,000	170
175	30.2	248.1	22,700*	37.6	266.0	19,100	41.5	273.8	16,800	47.3	283.4	13,000	52.4	289.4	9,200	175
180	26.8	238.7	21,400*	34.9	259.0	18,100	39.0	267.8	15,800	45.0	278.6	12,100	50.3	285.3	8,500	180
185	23.0	227.7	20,200*	32.0	251.4	17,100	36.4	261.3	14,900	42.7	273.3	11,300	48.2	281.0	7,800	185
190	18.4	214.2	19,100*	28.8	242.7	16,200	33.6	254.0	14,100	40.3	267.6	10,600	46.0	276.3	7,200	190
195	12.2	195.4	18,100*	25.3	232.7	15,300	30.6	245.9	13,300	37.8	261.3	9,900	43.8	271.2	6,600	195
200				21.2	220.9	14,500	27.2	236.7	12,500	35.1	254.4	9,200	41.4	265.7	6,000	200
205				16.1	205.7	13,700	23.4	225.9	11,800	32.1	246.8	8,600	38.9	259.6	5,400	205
210				8.3	181.7	12,800	19.0	212.8	11,000	29.0	238.2	8,000	36.3	253.0	4,900	210
215							13.0	194.9	10,300	25.4	228.3	7,400	33.5	245.8	4,400	215
220										21.4	216.5	6,800				220
225										16.3	201.5	6,200				225
230										8.8	178.3	5,700				230

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE
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M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

145 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
70	74.8	341.6	59,800*													70
75	73.2	340.2	69,200*													75
80	71.6	338.5	58,900*													80
85	70.0	336.8	58,100*													85
90	68.4	334.8	56,800*													90
95	66.7	332.7	55,000*	70.9	336.2	50,800										95
100	65.1	330.4	52,700*	69.3	334.3	47,100										100
105	63.4	328.0	50,400*	67.7	332.3	43,800										105
110	61.7	325.3	47,400	66.0	330.1	40,800										110
115	60.0	322.5	44,400	64.4	327.8	38,200	66.9	329.8	34,400							115
120	58.2	319.5	41,700	62.7	325.3	35,700	65.3	327.5	32,200							120
125	56.4	316.2	39,200	61.0	322.5	33,500	63.6	325.1	30,100							125
130	54.6	312.7	36,900	59.2	319.6	31,400	61.9	322.5	28,200							130
135	52.7	309.0	34,800	57.5	316.5	29,600	60.2	319.7	26,400							135
140	50.7	305.0	32,800	55.6	313.1	27,800	58.4	316.7	24,800	62.8	320.4	19,900				140
145	48.8	300.7	31,000	53.8	309.6	26,200	56.6	313.4	23,300	61.1	317.7	18,600				145
150	46.7	296.1	29,400	51.9	305.7	24,700	54.8	310.0	21,900	59.3	314.8	17,400				150
155	44.6	291.1	27,800	49.9	301.6	23,300	52.9	306.3	20,600	57.5	311.7	16,200				155
160	42.4	285.8	26,400	47.9	297.2	22,000	51.0	302.3	19,400	55.7	308.4	15,200				160
165	40.1	280.0	25,000	45.8	292.4	20,800	49.0	298.0	18,300	53.9	304.8	14,200				165
170	37.7	273.7	23,700	43.7	287.3	19,700	46.9	293.5	17,200	52.0	300.9	13,200	56.5	305.4	9,300	170
175	35.1	266.8	22,500	41.4	281.8	18,600	44.8	288.6	16,200	50.0	296.8	12,400	54.7	301.9	8,600	175
180	32.3	259.2	21,400	39.1	275.8	17,600	42.6	283.3	15,300	48.0	292.4	11,600	52.8	298.2	7,900	180
185	29.4	250.7	20,300	36.6	269.3	16,600	40.3	277.5	14,400	45.9	287.7	10,800	50.9	294.2	7,200	185
190	26.1	241.0	19,300*	34.0	262.1	15,700	37.9	271.3	13,600	43.8	282.6	10,000	48.9	289.9	6,600	190
195	22.3	229.7	18,300*	31.1	254.1	14,800	35.4	264.5	12,800	41.5	277.1	9,300	46.9	285.3	6,000	195
200	17.9	215.8	17,300*	28.0	245.2	14,000	32.7	257.0	12,000	39.2	271.1	8,700	44.7	280.4	5,400	200
205	11.8	196.4	16,000*	24.6	234.9	13,200	29.7	248.6	11,300	36.7	264.6	8,000	42.5	275.1	4,900	205
210				20.6	222.7	12,500	26.5	239.1	10,600	34.1	257.5	7,400	40.2	269.3	4,300	210
215				15.6	207.0	11,700	22.8	228.0	9,900	31.3	249.6	6,900				215
220				8.0	182.3	11,000	18.4	214.4	9,300	28.2	240.7	6,300				220
225							12.7	196.0	8,600	24.7	230.5	5,800				225
230										20.8	218.3	5,200				230
235										15.9	202.9	4,700				235
240										8.5	179.0	4,200				240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

145 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
70	75.5	352.0	54,000*													70
75	74.0	350.6	52,900*													75
80	72.5	349.1	52,500*													80
85	71.0	347.4	52,100*													85
90	69.5	345.6	51,900*													90
95	68.0	343.6	51,700*													95
100	66.4	341.4	50,000*	70.4	345.0	46,500										100
105	64.8	339.1	48,100*	68.9	343.1	43,200										105
110	63.2	336.7	46,200*	67.3	341.1	40,200										110
115	61.6	334.0	43,800	65.8	338.9	37,500										115
120	60.0	331.2	41,100	64.2	336.5	35,100	66.6	338.5	31,500							120
125	58.3	328.1	38,600	62.6	333.9	32,800	65.0	336.2	29,400							125
130	56.6	324.9	36,300	60.9	331.2	30,800	63.4	333.8	27,500							130
135	54.8	321.4	34,200	59.3	328.3	28,900	61.8	331.2	25,800							135
140	53.1	317.7	32,300	57.6	325.2	27,200	60.2	328.3	24,200							140
145	51.2	313.8	30,500	55.9	321.8	25,600	58.5	325.3	22,700	62.6	329.1	17,800				145
150	49.4	309.6	28,800	54.1	318.3	24,100	56.8	322.1	21,300	61.0	326.4	16,600				150
155	47.4	305.1	27,300	52.3	314.5	22,700	55.0	318.7	20,000	59.3	323.5	15,500				155
160	45.5	300.3	25,800	50.5	310.5	21,400	53.3	315.0	18,800	57.7	320.4	14,400				160
165	43.4	295.1	24,500	48.6	306.1	20,200	51.4	311.1	17,700	55.9	317.1	13,500				165
170	41.2	289.6	23,200	46.6	301.5	19,100	49.6	306.9	16,600	54.2	313.5	12,500				170
175	39.0	283.6	22,000	44.6	296.5	18,000	47.7	302.5	15,600	52.4	309.7	11,700	56.7	314.0	7,800	175
180	36.7	277.0	20,900	42.5	291.2	17,000	45.7	297.7	14,700	50.5	305.7	10,900	55.0	310.6	7,100	180
185	34.2	269.9	19,800	40.3	285.5	16,000	43.6	292.6	13,800	48.7	301.4	10,100	53.2	306.9	6,500	185
190	31.5	262.0	18,800	38.0	279.3	15,100	41.5	287.1	13,000	46.7	296.8	9,400	51.4	303.0	5,800	190
195	28.6	253.3	17,800	35.6	272.5	14,300	39.3	281.1	12,200	44.7	291.8	8,700	49.5	298.8	5,200	195
200	25.4	243.3	16,900	33.1	265.1	13,500	36.9	274.6	11,400	42.6	286.5	8,000	47.6	294.4	4,700	200
205	21.8	231.6	16,000	30.3	256.9	12,700	34.5	267.6	10,700	40.4	280.8	7,400	45.6	289.6	4,100	205
210	17.4	217.3	15,200	27.3	247.6	11,900	31.8	259.8	10,000	38.1	274.6	6,800				210
215	11.5	197.4	13,900*	23.9	237.0	11,200	28.9	251.2	9,300	35.7	267.9	6,200				215
220				20.1	224.4	10,500	25.8	241.3	8,700	33.2	260.5	5,700				220
225				15.2	208.3	9,900	22.2	229.9	8,100	30.4	252.3	5,100				225
230				7.8	183.0	9,200	18.0	216.0	7,500	27.4	243.1	4,600				230
235							12.3	197.0	6,900	24.1	232.6	4,200				235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

155 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	
50	64.9	231.5	118,400*b																			50
55	60.2	228.8	111,600*b																			55
60	55.3	225.5	105,500*b																			60
65	50.1	221.6	100,000*	63.8	229.2	104,700b																65
70	44.5	216.8	95,200*	59.1	226.3	95,200b																70
75	38.1	210.9	90,800*	54.1	222.9	87,100b	62.1	226.6	82,800b													75
80	30.7	203.2	83,300*	48.8	218.8	80,200	57.3	223.6	76,300b													80
85	20.9	192.4	76,000*	43.0	213.7	74,300	52.2	219.9	70,600b													85
90				36.4	207.5	69,100	46.7	215.4	65,700	60.6	222.1	60,000b										90
95				28.6	199.3	64,400	40.7	210.0	61,300	55.7	218.9	56,000b										95
100				17.7	187.0	60,200	33.8	203.2	57,400	50.5	215.0	52,400										100
105							25.1	193.9	53,800	44.9	210.2	49,200										105
110							11.2	177.7	50,500	38.6	204.4	46,300	53.7	212.7	41,900b							110
115										31.3	197.0	43,600	48.4	208.5	39,500							115
120										21.7	186.5	41,200	42.5	203.4	37,300							120
125													35.9	197.0	35,300	51.2	204.8	31,700				125
130													27.9	188.6	33,500	45.6	200.2	30,000				130
135													16.6	175.7	31,700	39.4	194.6	28,500				135
140																32.3	187.4	27,000	47.9	195.3	23,900	140
145																23.1	177.4	25,700	42.0	190.1	22,700	145
150																4.5	155.3	24,200	35.3	183.6	21,600	150
155																			27.2	175.0	20,500	155
160																			15.3	161.4	19,500	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

155 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	68.2	242.5	114,900*b																			50
55	64.3	240.2	108,500*b																			55
60	60.2	237.4	102,600*b																			60
65	55.9	234.2	97,300*	67.3	240.2	104,200b																65
70	51.4	230.4	92,500*	63.3	237.8	94,700b																70
75	46.6	225.9	88,200*	59.2	235.0	86,700b	65.8	237.8	82,300b													75
80	41.4	220.6	83,600*	54.9	231.6	79,800	61.8	235.3	75,700b													80
85	35.5	214.1	76,300*	50.3	227.7	73,900	57.6	232.2	70,100b													85
90	28.6	205.8	70,100*	45.4	223.0	68,700	53.2	228.7	65,200													90
95	19.4	194.1	64,600*	40.0	217.4	64,100	48.6	224.5	60,800	60.5	230.8	55,300b										95
100				33.9	210.5	60,000	43.5	219.5	56,900	56.3	227.6	51,800										100
105				26.6	201.7	56,300	37.9	213.5	53,400	51.8	223.8	48,600										105
110				16.4	188.4	52,900	31.5	206.0	50,300	47.0	219.4	45,700										110
115							23.4	196.0	47,400	41.8	214.1	43,200	54.5	221.4	38,900							115
120							10.4	178.6	44,700	36.0	207.7	40,800	50.0	217.4	36,700							120
125										29.1	199.6	38,600	45.0	212.7	34,700							125
130										20.2	188.2	36,500	39.6	207.0	32,900	52.4	213.7	29,300				130
135													33.4	200.0	31,200	47.6	209.3	27,800				135
140													26.0	190.9	29,700	42.5	204.2	26,400				140
145													15.4	177.0	28,200	36.7	197.9	25,100				145
150																30.1	190.1	23,900	44.6	199.4	20,900	150
155																21.5	179.3	22,700	39.1	193.7	19,900	155
160																4.1	155.6	21,400	32.9	186.5	18,900	160
165																			25.3	177.2	18,000	165
170																			14.2	162.6	17,100	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

155 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	70.8	253.2	111,700*b																			50
55	67.3	251.2	105,600*b																			55
60	63.8	248.9	100,000*b																			60
65	60.2	246.1	94,900*	69.9	251.0	103,700b																65
70	56.4	242.9	90,200*	66.5	249.0	94,200b																70
75	52.5	239.2	86,000*	62.9	246.5	86,200b																75
80	48.3	235.0	82,200*	59.3	243.7	79,400	65.2	246.5	75,300b													80
85	43.8	230.0	76,500*	55.5	240.4	73,500	61.6	243.9	69,700													85
90	38.9	224.1	70,200*	51.5	236.5	68,300	57.9	240.9	64,700													90
95	33.4	217.1	64,800*	47.2	232.1	63,800	54.0	237.4	60,400													95
100	26.9	208.2	60,000*	42.6	227.0	59,700	49.9	233.4	56,600	60.5	239.4	51,300										100
105	18.3	195.6	55,300*	37.6	220.8	56,100	45.6	228.7	53,100	56.7	236.3	48,200										105
110				31.9	213.4	52,800	40.9	223.3	50,000	52.7	232.6	45,300										110
115				25.0	203.9	49,800	35.6	216.7	47,200	48.6	228.4	42,800										115
120				15.4	189.7	47,000	29.6	208.7	44,600	44.1	223.5	40,400	55.2	230.1	36,200							120
125							22.0	197.9	42,200	39.3	217.7	38,300	51.1	226.3	34,300							125
130							9.8	179.4	39,900	33.8	210.7	36,300	46.9	221.8	32,500							130
135										27.4	202.0	34,400	42.3	216.6	30,900							135
140										19.0	189.9	32,700	37.2	210.4	29,300	49.1	218.3	25,900				140
145													31.4	202.8	27,900	44.7	213.5	24,700				145
150													24.5	193.1	26,500	39.9	207.8	23,500				150
155													14.5	178.3	25,200	34.5	201.1	22,300	46.5	208.6	19,400	155
160																28.3	192.6	21,300	41.9	203.3	18,500	160
165																20.3	181.1	20,300	36.8	197.0	17,600	165
170																3.8	155.9	19,200	30.9	189.3	16,800	170
175																			23.8	179.3	16,000	175
180																			13.4	163.7	15,100	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

155 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	72.8	263.8	108,300*b																			50
55	69.7	262.0	102,500*b																			55
60	66.6	259.9	97,100*b																			60
65	63.4	257.5	92,300*																			65
70	60.2	254.8	87,800*	69.0	259.8	83,600b																70
75	56.8	251.6	83,700*	65.8	257.7	76,200																75
80	53.2	248.0	79,100	62.6	255.2	69,900	67.8	257.5	64,400b													80
85	49.5	243.9	73,000	59.3	252.3	64,400	64.7	255.2	59,300													85
90	45.6	239.2	67,600	55.9	249.1	59,600	61.5	252.6	54,800													90
95	41.4	233.8	62,900	52.4	245.4	55,400	58.1	249.6	50,900													95
100	36.8	227.5	58,700	48.6	241.1	51,600	54.6	246.2	47,400													100
105	31.6	219.9	54,900	44.6	236.3	48,300	51.0	242.3	44,300	60.4	248.1	37,600										105
110	25.4	210.4	50,900*	40.3	230.7	45,200	47.2	237.8	41,400	57.0	244.9	35,100										110
115	17.3	197.1	46,800*	35.6	224.1	42,500	43.1	232.7	38,900	53.5	241.4	32,900										115
120				30.2	216.1	39,900	38.6	226.8	36,500	49.8	237.3	30,900										120
125				23.7	206.0	37,600	33.7	219.8	34,400	45.9	232.7	29,000	55.7	238.8	23,600							125
130				14.6	190.9	35,400	28.0	211.1	32,400	41.7	227.3	27,300	52.1	235.1	22,200							130
135							20.8	199.7	30,600	37.1	221.1	25,700	48.3	230.8	20,800							135
140							9.2	180.1	28,700	32.0	213.6	24,200	44.3	225.9	19,500							140
145										25.9	204.3	22,800	40.0	220.2	18,400	50.3	227.2	14,000				145
150										18.0	191.4	21,500	35.2	213.6	17,300	46.4	222.7	13,000				150
155													29.7	205.5	16,200	42.3	217.4	12,200				155
160													23.1	195.1	15,200	37.7	211.3	11,400	48.0	217.6	7,600	160
165													13.7	179.4	14,200	32.7	204.0	10,600	44.0	212.7	6,900	165
170																26.7	195.0	9,800	39.6	206.9	6,300	170
175																19.2	182.7	9,100	34.8	200.2	5,800	175
180																3.6	156.1	8,200	29.3	191.9	5,200	180
185																			22.5	181.3	4,600	185
190																			12.6	164.8	4,100	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

155 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	
50	74.4	274.2	105,000* ^b																			50
55	71.6	272.7	99,600* ^b																			55
60	68.9	270.8	94,600*																			60
65	66.0	268.6	90,000*																			65
70	63.1	266.2	85,800*	71.0	270.5	82,900 ^b																70
75	60.1	263.4	81,900*	68.2	268.6	75,500																75
80	57.1	260.3	78,200*	65.3	266.4	69,200																80
85	53.9	256.8	72,400	62.4	263.8	63,800	67.1	266.2	58,600													85
90	50.6	252.8	67,100	59.4	261.0	59,000	64.3	263.9	54,100													90
95	47.1	248.3	62,400	56.3	257.8	54,800	61.3	261.2	50,200													95
100	43.4	243.2	58,200	53.1	254.1	51,000	58.3	258.3	46,700													100
105	39.4	237.4	54,500	49.7	250.0	47,700	55.2	254.9	43,600													105
110	35.0	230.7	51,100	46.2	245.4	44,700	51.9	251.1	40,800	60.4	256.7	34,400										110
115	30.0	222.6	47,200*	42.4	240.2	41,900	48.5	246.8	38,300	57.3	253.6	32,200										115
120	24.2	212.6	43,600*	38.3	234.2	39,400	44.8	242.0	36,000	54.1	250.1	30,200										120
125	16.4	198.5	40,400*	33.8	227.1	37,200	41.0	236.5	33,800	50.8	246.2	28,300										125
130				28.7	218.7	35,000	36.7	230.1	31,900	47.3	241.8	26,600	56.1	247.5	21,500							130
135				22.5	207.9	33,100	32.1	222.6	30,100	43.6	236.7	25,100	52.8	243.9	20,100							135
140				13.9	192.1	31,200	26.6	213.5	28,400	39.7	231.0	23,600	49.5	239.8	18,900							140
145							19.8	201.5	26,800	35.3	224.3	22,300	45.9	235.1	17,700							145
150							8.8	180.8	25,200	30.4	216.3	21,000	42.1	229.8	16,600	51.2	236.1	12,300				150
155										24.7	206.5	19,800	38.0	223.7	15,600	47.8	231.7	11,500				155
160										17.1	192.9	18,600	33.5	216.6	14,700	44.1	226.7	10,700				160
165													28.3	208.0	13,700	40.2	221.1	9,900				165
170													22.0	197.0	12,900	35.9	214.5	9,200	45.6	221.9	5,600	170
175													13.0	180.5	12,000	31.1	206.8	8,500	41.8	216.5	5,100	175
180																25.4	197.2	7,900	37.7	210.4	4,600	180
185																18.2	184.3	7,200	33.1	203.1	4,000	185
190																3.4	156.3	6,500				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

155 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	75.7	284.6	101,500*																50
55	73.2	283.2	96,400*																55
60	70.7	281.5	91,800*																60
65	68.1	279.6	87,500*																65
70	65.5	277.4	83,400*																70
75	62.9	274.9	79,700*	70.1	279.3	74,800													75
80	60.1	272.1	76,200*	67.5	277.3	68,500													80
85	57.3	269.0	71,900	64.9	275.1	63,100													85
90	54.4	265.5	66,600	62.2	272.5	58,300	66.6	274.9	53,400										90
95	51.4	261.6	61,900	59.5	269.7	54,100	63.9	272.6	49,500										95
100	48.2	257.3	57,700	56.6	266.5	50,400	61.2	269.9	46,000										100
105	44.9	252.5	54,000	53.7	262.9	47,100	58.4	266.9	42,900										105
110	41.4	247.0	50,600	50.6	258.9	44,100	55.6	263.6	40,100										110
115	37.6	240.8	47,500*	47.5	254.5	41,300	52.6	259.9	37,600	60.3	265.4	31,400							115
120	33.4	233.7	43,800*	44.1	249.5	38,900	49.5	255.8	35,300	57.5	262.3	29,400							120
125	28.7	225.2	40,500*	40.5	243.9	36,600	46.3	251.1	33,200	54.6	258.9	27,600							125
130	23.1	214.6	37,600*	36.6	237.5	34,500	42.8	246.0	31,300	51.6	255.0	25,900							130
135	15.7	199.9	35,000*	32.3	230.0	32,600	39.1	240.1	29,500	48.5	250.8	24,300	56.4	256.2	19,300				135
140				27.4	221.1	30,800	35.1	233.3	27,800	45.2	246.0	22,900	53.5	252.7	18,100				140
145				21.5	209.8	29,100	30.6	225.4	26,300	41.7	240.6	21,600	50.4	248.7	16,900				145
150				13.3	193.2	27,500	25.4	215.8	24,800	37.9	234.4	20,300	47.2	244.2	15,800				150
155							19.0	203.1	23,500	33.7	227.3	19,200	43.8	239.2	14,900	52.0	244.9	10,600	155
160							8.4	181.5	22,100	29.1	218.9	18,100	40.2	233.5	13,900	48.9	240.7	9,900	160
165										23.6	208.6	17,000	36.3	227.0	13,000	45.6	235.9	9,100	165
170										16.4	194.3	16,000	32.0	219.5	12,200	42.1	230.6	8,400	170
175													27.0	210.4	11,400	38.4	224.6	7,800	175
180													21.0	198.9	10,600	34.3	217.6	7,100	180
185													12.4	181.6	9,900	29.7	209.4	6,500	185
190																24.3	199.4	6,000	190
195																17.4	185.8	5,400	195
200																3.2	156.5	4,700	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

155 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	74.6	293.6	93,500*																55
60	72.2	292.1	89,200*																60
65	69.9	290.3	85,100*																65
70	67.5	288.3	81,200*																70
75	65.1	286.0	77,700*																75
80	62.7	283.5	74,400*	69.3	288.1	68,100													80
85	60.1	280.7	71,300*	66.9	286.1	62,700													85
90	57.5	277.7	66,300	64.5	283.8	58,000													90
95	54.9	274.2	61,600	62.0	281.2	53,800	66.1	283.7	49,100										95
100	52.1	270.5	57,500	59.5	278.3	50,100	63.6	281.2	45,700										100
105	49.2	266.3	53,700	56.9	275.1	46,700	61.1	278.6	42,600										105
110	46.2	261.6	50,400	54.2	271.6	43,800	58.6	275.6	39,800										110
115	43.1	256.5	47,300	51.4	267.8	41,100	55.9	272.3	37,300	62.8	276.8	31,100							115
120	39.7	250.7	44,200*	48.5	263.5	38,600	53.2	268.7	35,000	60.3	274.1	29,100							120
125	36.0	244.1	40,900*	45.5	258.7	36,300	50.4	264.7	32,900	57.7	271.0	27,200							125
130	32.0	236.6	37,900*	42.3	253.4	34,300	47.4	260.2	31,000	55.1	267.6	25,600							130
135	27.5	227.6	35,300*	38.8	247.4	32,400	44.3	255.3	29,200	52.3	263.8	24,000							135
140	22.2	216.5	32,800*	35.1	240.7	30,600	41.0	249.7	27,600	49.4	259.7	22,600	56.7	264.9	17,700				140
145	15.1	201.2	30,700*	31.0	232.8	29,000	37.5	243.5	26,100	46.4	255.1	21,300	54.0	261.4	16,600				145
150				26.3	223.4	27,400	33.7	236.3	24,700	43.3	250.0	20,100	51.2	257.5	15,500				150
155				20.7	211.6	26,000	29.4	228.0	23,300	39.9	244.2	18,900	48.3	253.2	14,600				155
160				12.7	194.3	24,600	24.4	217.9	22,100	36.3	237.7	17,800	45.2	248.4	13,600	52.7	253.7	9,500	160
165							18.2	204.7	20,900	32.4	230.2	16,800	42.0	243.0	12,800	49.8	249.6	8,800	165
170							8.0	182.2	19,700	27.9	221.4	15,900	38.6	237.0	12,000	46.8	245.0	8,100	170
175										22.6	210.5	14,900	34.8	230.2	11,200	43.7	240.0	7,500	175
180										15.7	195.7	14,000	30.7	222.2	10,500	40.4	234.3	6,900	180
185													25.9	212.7	9,700	36.8	227.9	6,300	185
190													20.2	200.6	9,100	32.9	220.6	5,700	190
195													11.9	182.6	8,400	28.5	212.0	5,200	195
200																23.3	201.4	4,700	200
205																16.7	187.2	4,200	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

155 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	75.7	304.0	90,200*																55
60	73.6	302.6	86,200*																60
65	71.4	300.9	82,400*																65
70	69.2	299.1	78,800*																70
75	67.0	297.0	75,400*																75
80	64.8	294.7	72,300*	70.9	298.8	67,400													80
85	62.5	292.2	69,300*	68.7	296.9	62,000													85
90	60.1	289.4	65,800	66.5	294.8	57,300													90
95	57.7	286.3	61,100	64.2	292.4	53,100	67.9	294.6	48,400										95
100	55.2	282.9	56,900	61.9	289.8	49,400	65.6	292.4	44,900										100
105	52.7	279.2	53,200	59.5	287.0	46,100	63.4	289.9	41,800										105
110	50.1	275.2	49,900	57.1	283.8	43,100	61.0	287.2	39,100										110
115	47.3	270.7	46,800	54.6	280.4	40,400	58.7	284.3	36,600										115
120	44.4	265.8	44,100	52.1	276.6	38,000	56.2	281.0	34,300	62.6	285.5	28,300							120
125	41.4	260.3	41,100*	49.4	272.4	35,700	53.7	277.4	32,200	60.3	282.7	26,500							125
130	38.2	254.2	38,200*	46.6	267.8	33,700	51.1	273.5	30,300	57.9	279.7	24,800							130
135	34.7	247.2	35,500*	43.7	262.8	31,800	48.4	269.2	28,600	55.4	276.3	23,300							135
140	30.8	239.3	33,100*	40.6	257.1	30,000	45.6	264.4	27,000	52.9	272.6	21,900							140
145	26.5	230.0	30,900*	37.3	250.8	28,400	42.6	259.2	25,500	50.3	268.6	20,600	56.9	273.6	15,800				145
150	21.3	218.4	28,900*	33.8	243.7	26,900	39.5	253.3	24,100	47.5	264.1	19,400	54.4	270.1	14,700				150
155	14.5	202.4	27,100*	29.8	235.5	25,500	36.1	246.8	22,700	44.6	259.2	18,200	51.9	266.3	13,800				155
160				25.3	225.7	24,100	32.4	239.3	21,500	41.6	253.8	17,200	49.2	262.1	12,900				160
165				19.9	213.4	22,900	28.3	230.5	20,400	38.4	247.7	16,200	46.4	257.5	12,000				165
170				12.2	195.4	21,600	23.5	220.0	19,300	34.9	240.9	15,200	43.5	252.4	11,200	50.6	258.5	7,300	170
175							17.5	206.2	18,200	31.1	233.0	14,300	40.4	246.7	10,500	47.9	254.1	6,700	175
180							7.7	182.8	17,100	26.8	223.8	13,500	37.1	240.4	9,700	45.0	249.2	6,100	180
185										21.8	212.4	12,700	33.5	233.2	9,100	42.0	243.9	5,500	185
190										15.1	197.0	11,900	29.5	224.8	8,400	38.8	237.9	5,000	190
195													25.0	214.9	7,800	35.4	231.1	4,500	195
200													19.4	202.3	7,200	31.6	223.4	4,000	200
205													11.5	183.6	6,500				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

155 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	74.7	313.0	82,500*																60
65	72.7	311.5	79,000*																65
70	70.7	309.8	75,700*																70
75	68.6	307.9	72,600*																75
80	66.6	305.8	69,700*																80
85	64.4	303.4	67,000*	70.2	307.6	61,400													85
90	62.3	300.9	64,400*	68.1	305.7	56,600													90
95	60.1	298.1	60,500	66.0	303.5	52,500													95
100	57.9	295.0	56,400	63.9	301.1	48,800	67.4	303.3	44,200										100
105	55.6	291.7	52,700	61.8	298.5	45,500	65.3	301.1	41,200										105
110	53.2	288.0	49,300	59.6	295.6	42,500	63.1	298.6	38,400										110
115	50.8	284.0	46,300	57.3	292.5	39,800	61.0	295.9	35,900										115
120	48.2	279.7	43,600	55.0	289.1	37,400	58.8	292.9	33,700										120
125	45.6	274.9	41,000	52.6	285.4	35,100	56.5	289.7	31,600	62.5	294.2	25,800							125
130	42.8	269.7	38,600*	50.2	281.3	33,100	54.1	286.2	29,700	60.3	291.4	24,100							130
135	39.9	263.9	36,000*	47.6	276.9	31,200	51.7	282.3	28,000	58.0	288.3	22,600							135
140	36.8	257.5	33,600*	44.9	272.0	29,500	49.2	278.1	26,400	55.7	285.0	21,200							140
145	33.4	250.3	31,400*	42.1	266.6	27,900	46.6	273.5	24,900	53.4	281.4	19,900							145
150	29.7	242.0	29,300*	39.2	260.7	26,300	43.9	268.5	23,500	50.9	277.4	18,700	57.1	282.3	14,000				150
155	25.6	232.2	27,500*	36.0	254.1	24,900	41.1	263.0	22,200	48.4	273.1	17,600	54.8	278.9	13,100				155
160	20.6	220.2	25,800*	32.6	246.6	23,600	38.1	256.8	21,000	45.8	268.4	16,500	52.4	275.1	12,200				160
165	14.0	203.6	24,300*	28.8	238.0	22,400	34.8	249.9	19,800	43.0	263.2	15,500	50.0	271.0	11,300				165
170				24.4	227.8	21,200	31.2	242.1	18,700	40.1	257.5	14,600	47.4	266.6	10,600				170
175				19.2	215.0	20,100	27.3	233.0	17,700	37.0	251.1	13,700	44.7	261.7	9,800	51.3	267.3	6,000	175
180				11.8	196.4	19,000	22.7	222.0	16,700	33.7	243.9	12,900	41.9	256.3	9,100	48.7	263.0	5,400	180
185							16.9	207.7	15,800	30.0	235.7	12,100	39.0	250.3	8,400	46.1	258.4	4,800	185
190							7.4	183.4	14,800	25.9	226.1	11,400	35.8	243.6	7,800	43.4	253.2	4,300	190
195										21.0	214.3	10,600	32.3	236.1	7,200				195
200										14.6	198.2	9,900	28.5	227.4	6,600				200
205													24.1	217.0	6,100				205
210													18.7	204.0	5,500				210
215													11.1	184.5	4,900				215

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE
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M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

155 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	75.7	323.4	79,400*													60
65	73.8	321.9	76,300*													65
70	71.9	320.4	73,300*													70
75	70.0	318.6	70,400*													75
80	68.1	316.6	67,600*													80
85	66.2	314.5	65,000*													85
90	64.2	312.1	62,500*	69.6	316.4	55,900										90
95	62.2	309.5	60,000	67.6	314.4	51,800										95
100	60.1	306.7	55,800	65.7	312.2	48,100										100
105	58.0	303.7	52,100	63.7	309.8	44,800	66.9	312.0	40,400							105
110	55.9	300.4	48,800	61.7	307.2	41,800	65.0	309.8	37,700							110
115	53.7	296.8	45,800	59.6	304.3	39,200	62.9	307.3	35,200							115
120	51.4	292.9	43,000	57.5	301.2	36,700	60.9	304.5	33,000							120
125	49.0	288.6	40,500	55.3	297.8	34,500	58.8	301.6	30,900							125
130	46.6	284.0	38,200	53.1	294.1	32,500	56.7	298.4	29,000	62.3	302.8	23,300				130
135	44.1	279.0	36,100*	50.8	290.2	30,600	54.5	294.9	27,300	60.3	300.0	21,800				135
140	41.4	273.5	33,700*	48.4	285.8	28,900	52.3	291.1	25,700	58.2	297.0	20,500				140
145	38.6	267.4	31,500*	46.0	281.1	27,200	50.0	287.0	24,200	56.0	293.7	19,200				145
150	35.6	260.7	29,500*	43.4	276.0	25,800	47.6	282.6	22,800	53.8	290.1	18,000				150
155	32.3	253.2	27,700*	40.7	270.4	24,400	45.1	277.7	21,500	51.5	286.3	16,900	57.3	291.0	12,300	155
160	28.8	244.5	25,900*	37.9	264.2	23,100	42.5	272.4	20,300	49.2	282.0	15,800	55.2	287.6	11,400	160
165	24.7	234.4	24,400*	34.8	257.3	21,800	39.7	266.6	19,200	46.8	277.5	14,800	52.9	283.9	10,600	165
170	19.9	221.9	22,900*	31.5	249.5	20,700	36.8	260.1	18,100	44.3	272.5	13,900	50.6	279.9	9,800	170
175	13.5	204.8	21,700*	27.8	240.5	19,600	33.6	252.9	17,100	41.6	267.0	13,100	48.3	275.5	9,100	175
180				23.6	229.9	18,500	30.2	244.8	16,200	38.8	261.0	12,200	45.8	270.8	8,400	180
185				18.6	216.7	17,500	26.4	235.3	15,300	35.8	254.3	11,500	43.2	265.6	7,700	185
190				11.4	197.3	16,600	21.9	223.9	14,400	32.6	246.8	10,700	40.5	260.0	7,100	190
195							16.3	209.1	13,600	29.0	238.3	10,000	37.7	253.7	6,500	195
200							7.2	184.0	12,700	25.0	228.3	9,300	34.6	246.7	5,900	200
205										20.3	216.1	8,700	31.2	238.9	5,400	205
210										14.1	199.4	8,000	27.5	229.8	4,900	210
215													23.3	219.1	4,400	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

155 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.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	74.8	332.4	70,700*													65
70	73.0	330.9	68,600*													70
75	71.2	329.2	68,200*													75
80	69.5	327.4	65,700*													80
85	67.6	325.4	63,200*													85
90	65.8	323.2	60,900*	70.8	327.1	55,500										90
95	63.9	320.8	58,700*	69.0	325.2	51,400										95
100	62.0	318.2	55,500	67.2	323.2	47,700										100
105	60.1	315.4	51,800	65.3	320.9	44,400										105
110	58.1	312.3	48,400	63.5	318.5	41,500	66.5	320.8	37,300							110
115	56.1	309.1	45,400	61.6	315.8	38,800	64.7	318.5	34,800							115
120	54.0	305.5	42,700	59.6	313.0	36,400	62.8	315.9	32,600							120
125	51.9	301.7	40,200	57.6	309.9	34,100	60.9	313.2	30,500							125
130	49.7	297.5	37,900	55.6	306.5	32,100	58.9	310.3	28,700							130
135	47.5	293.1	35,800	53.5	302.9	30,200	56.9	307.1	26,900	62.2	311.5	21,500				135
140	45.1	288.2	33,800*	51.4	299.0	28,500	54.9	303.6	25,300	60.2	308.7	20,100				140
145	42.7	282.9	31,700*	49.2	294.8	26,900	52.8	299.9	23,800	58.3	305.7	18,800				145
150	40.1	277.2	29,700*	46.9	290.2	25,400	50.6	295.9	22,500	56.3	302.4	17,600				150
155	37.4	270.8	27,900*	44.5	285.3	24,000	48.4	291.6	21,200	54.2	298.9	16,500				155
160	34.5	263.8	26,200*	42.1	279.9	22,700	46.1	286.9	20,000	52.1	295.1	15,500	57.5	299.7	11,000	160
165	31.3	256.0	24,600*	39.4	274.0	21,500	43.6	281.7	18,900	49.9	290.9	14,500	55.5	296.3	10,200	165
170	27.9	247.0	23,200*	36.7	267.5	20,400	41.1	276.2	17,800	47.6	286.5	13,600	53.4	292.7	9,400	170
175	24.0	236.5	21,800*	33.7	260.3	19,300	38.5	270.1	16,800	45.3	281.7	12,700	51.2	288.7	8,700	175
180	19.3	223.6	20,600*	30.5	252.2	18,300	35.6	263.4	15,900	42.9	276.4	11,900	49.0	284.5	8,000	180
185	13.1	205.9	19,500*	27.0	242.9	17,300	32.6	255.9	15,000	40.3	270.7	11,100	46.7	279.9	7,400	185
190				22.9	231.9	16,400	29.3	247.4	14,100	37.6	264.4	10,400	44.4	274.9	6,700	190
195				18.0	218.2	15,500	25.6	237.6	13,300	34.7	257.5	9,700	41.9	269.5	6,200	195
200				11.1	198.3	14,600	21.2	225.8	12,600	31.6	249.7	9,100	39.3	263.6	5,600	200
205							15.8	210.5	11,800	28.1	240.8	8,400	36.5	257.0	5,100	205
210							6.9	184.6	11,000	24.3	230.5	7,800	33.5	249.8	4,600	210
215										19.7	217.8	7,200	30.3	241.6	4,100	215
220										13.6	200.6	6,700				220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

155 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	75.6	342.7	64,200*													65
70	74.0	341.3	63,500*													70
75	72.3	339.8	62,500*													75
80	70.6	338.1	61,500*													80
85	68.9	336.2	60,800*													85
90	67.2	334.1	58,400*													90
95	65.5	331.9	56,000*	70.2	335.9	50,700										95
100	63.7	329.5	53,400*	68.5	334.0	47,000										100
105	61.9	326.9	50,800*	66.8	331.9	43,800										105
110	60.1	324.0	47,900	65.1	329.6	40,800	67.9	331.6	36,600							110
115	58.2	321.0	44,900	63.3	327.2	38,100	66.2	329.5	34,100							115
120	56.3	317.7	42,100	61.5	324.5	35,700	64.4	327.1	31,900							120
125	54.4	314.2	39,700	59.6	321.6	33,500	62.6	324.6	29,800							125
130	52.4	310.5	37,400	57.8	318.5	31,500	60.8	321.9	28,000							130
135	50.3	306.4	35,300	55.9	315.2	29,600	59.0	318.9	26,200							135
140	48.2	302.0	33,300	53.9	311.6	27,900	57.1	315.8	24,700	62.1	320.2	19,300				140
145	46.0	297.3	31,500	51.9	307.8	26,300	55.2	312.3	23,200	60.2	317.3	18,100				145
150	43.8	292.2	29,800*	49.8	303.7	24,800	53.2	308.7	21,800	58.4	314.3	16,900				150
155	41.4	286.7	28,000*	47.7	299.2	23,400	51.2	304.7	20,500	56.5	311.1	15,800				155
160	38.9	280.7	26,300*	45.5	294.4	22,100	49.1	300.5	19,400	54.5	307.6	14,700				160
165	36.3	274.1	24,800*	43.2	289.2	20,900	46.9	295.9	18,200	52.5	303.8	13,800	57.6	308.3	9,400	165
170	33.5	266.8	23,300*	40.8	283.6	19,800	44.7	291.0	17,200	50.5	299.8	12,900	55.7	305.0	8,600	170
175	30.4	258.7	22,000*	38.3	277.5	18,700	42.3	285.6	16,200	48.4	295.5	12,000	53.8	301.4	7,900	175
180	27.1	249.4	20,700*	35.6	270.7	17,700	39.9	279.8	15,300	46.2	290.8	11,200	51.7	297.5	7,300	180
185	23.3	238.6	19,600*	32.7	263.2	16,800	37.3	273.5	14,400	43.9	285.7	10,500	49.7	293.4	6,600	185
190	18.7	225.3	18,500*	29.6	254.8	15,900	34.6	266.5	13,600	41.6	280.2	9,800	47.5	288.9	6,000	190
195	12.7	207.0	17,500*	26.2	245.2	15,000	31.6	258.7	12,800	39.1	274.3	9,100	45.3	284.1	5,400	195
200				22.2	233.9	14,200	28.4	249.9	12,000	36.5	267.7	8,400	43.0	278.9	4,900	200
205				17.5	219.7	13,400	24.8	239.7	11,300	33.7	260.5	7,800	40.6	273.2	4,400	205
210				10.7	199.2	12,600	20.6	227.6	10,600	30.7	252.4	7,200				210
215							15.4	211.8	9,900	27.3	243.2	6,600				215
220							6.7	185.1	9,200	23.6	232.5	6,100				220
225										19.1	219.5	5,600				225
230										13.2	201.7	5,000				230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

155 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
70	74.9	351.7	57,600*													70
75	73.3	350.3	57,100*													75
80	71.7	348.6	56,800*													80
85	70.1	346.9	56,100*													85
90	68.5	345.0	55,000*													90
95	66.9	342.9	53,200*													95
100	65.2	340.6	51,100*	69.7	344.7	46,400										100
105	63.5	338.2	49,000*	68.1	342.8	43,200										105
110	61.8	335.5	46,700*	66.5	340.6	40,200										110
115	60.1	332.7	44,400	64.8	338.3	37,600	67.5	340.4	33,500							115
120	58.3	329.7	41,600	63.1	335.8	35,100	65.8	338.2	31,300							120
125	56.5	326.4	39,100	61.4	333.2	32,900	64.2	335.8	29,200							125
130	54.7	323.0	36,900	59.7	330.3	30,900	62.5	333.3	27,400							130
135	52.8	319.2	34,700	57.9	327.2	29,100	60.8	330.5	25,700							135
140	50.9	315.3	32,800	56.1	323.9	27,300	59.0	327.6	24,100							140
145	48.9	311.0	31,000	54.2	320.4	25,700	57.2	324.4	22,600	61.9	328.8	17,400				145
150	46.9	306.4	29,300	52.3	316.6	24,300	55.4	321.0	21,200	60.2	326.0	16,200				150
155	44.7	301.5	27,800	50.4	312.5	22,900	53.6	317.4	20,000	58.5	323.0	15,100				155
160	42.5	296.2	26,300	48.4	308.2	21,600	51.6	313.6	18,800	56.7	319.8	14,100				160
165	40.2	290.4	25,000	46.3	303.5	20,400	49.7	309.4	17,700	54.8	316.3	13,200				165
170	37.8	284.2	23,700*	44.2	298.5	19,300	47.7	304.9	16,600	53.0	312.6	12,300	57.8	317.0	8,000	170
175	35.3	277.3	22,300*	42.0	293.1	18,200	45.6	300.1	15,700	51.0	308.7	11,400	55.9	313.7	7,300	175
180	32.5	269.8	21,100*	39.7	287.2	17,200	43.4	295.0	14,700	49.0	304.4	10,600	54.1	310.1	6,600	180
185	29.6	261.3	19,900*	37.2	280.8	16,300	41.2	289.4	13,900	47.0	299.8	9,900	52.2	306.3	6,000	185
190	26.3	251.8	18,800*	34.6	273.8	15,400	38.8	283.4	13,000	44.9	294.9	9,200	50.3	302.3	5,400	190
195	22.6	240.6	17,800*	31.8	266.1	14,500	36.3	276.8	12,200	42.7	289.7	8,500	48.3	297.9	4,800	195
200	18.2	226.9	16,800*	28.8	257.4	13,700	33.6	269.5	11,500	40.4	283.9	7,900	46.2	293.2	4,300	200
205	12.4	208.1	16,000*	25.5	247.5	12,900	30.8	261.5	10,800	38.0	277.7	7,200				205
210				21.6	235.8	12,200	27.6	252.4	10,100	35.5	270.9	6,700				210
215				17.0	221.2	11,400	24.1	241.9	9,400	32.7	263.4	6,100				215
220				10.4	200.1	10,700	20.1	229.3	8,800	29.8	255.1	5,600				220
225							14.9	213.1	8,200	26.6	245.6	5,100				225
230							6.5	185.7	7,500	22.9	234.5	4,600				230
235										18.6	221.1	4,100				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

155 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
70	75.6	362.1	52,100*													70
75	74.1	360.7	51,100*													75
80	72.7	359.2	50,800*													80
85	71.1	357.5	50,500*													85
90	69.6	355.7	50,300*													90
95	68.1	353.7	50,000*													95
100	66.5	351.6	48,300*	70.8	355.4	45,800										100
105	64.9	349.3	46,500*	69.2	353.5	42,500										105
110	63.3	346.8	44,600*	67.7	351.5	39,600										110
115	61.7	344.2	42,700*	66.1	349.3	36,900										115
120	60.1	341.4	40,800*	64.6	347.0	34,500	67.1	349.1	30,600							120
125	58.4	338.3	38,600	63.0	344.5	32,300	65.6	346.9	28,500							125
130	56.7	335.1	36,300	61.3	341.8	30,300	64.0	344.5	26,700							130
135	55.0	331.7	34,200	59.7	338.9	28,400	62.4	341.9	25,000							135
140	53.2	328.0	32,300	58.0	335.9	26,700	60.7	339.2	23,400							140
145	51.4	324.1	30,500	56.3	332.6	25,100	59.1	336.2	21,900							145
150	49.5	319.9	28,800	54.5	329.1	23,600	57.4	333.1	20,600	61.8	337.5	15,500				150
155	47.6	315.4	27,300	52.7	325.4	22,300	55.7	329.8	19,300	60.2	334.7	14,400				155
160	45.6	310.6	25,800	50.9	321.4	21,000	53.9	326.2	18,100	58.5	331.7	13,400				160
165	43.5	305.5	24,400	49.0	317.1	19,800	52.1	322.4	17,000	56.8	328.5	12,400				165
170	41.4	300.0	23,200	47.1	312.6	18,700	50.2	318.3	16,000	55.1	325.0	11,600				170
175	39.2	294.0	22,000	45.1	307.7	17,600	48.3	313.9	15,000	53.3	321.4	10,700	57.9	325.7	6,500	175
180	36.8	287.5	20,800	43.0	302.5	16,600	46.4	309.2	14,100	51.5	317.5	9,900	56.2	322.4	5,900	180
185	34.3	280.4	19,800	40.9	296.8	15,700	44.4	304.2	13,200	49.6	313.3	9,200	54.4	318.9	5,200	185
190	31.7	272.6	18,800	38.6	290.7	14,800	42.2	298.9	12,400	47.7	308.9	8,500	52.6	315.1	4,600	190
195	28.8	263.9	17,800	36.2	284.1	13,900	40.1	293.1	11,600	45.7	304.1	7,800	50.8	311.1	4,100	195
200	25.6	254.0	16,900*	33.7	276.9	13,100	37.8	286.8	10,900	43.7	299.0	7,200				200
205	22.0	242.5	16,000*	31.0	268.9	12,400	35.3	280.0	10,200	41.6	293.5	6,600				205
210	17.8	228.4	15,100*	28.1	259.9	11,600	32.7	272.5	9,500	39.3	287.5	6,000				210
215	12.0	209.1	14,200*	24.8	249.7	10,900	30.0	264.1	8,900	37.0	281.1	5,500				215
220				21.1	237.7	10,200	26.9	254.8	8,200	34.5	274.0	4,900				220
225				16.5	222.7	9,600	23.5	244.0	7,700	31.9	266.3	4,400				225
230				10.2	201.0	8,900	19.5	231.0	7,100							230
235							14.5	214.3	6,500							235
240							6.4	186.2	5,900							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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

165 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	65.2	241.7	114,900*b																			50
55	60.6	239.0	108,400*b																			55
60	55.7	235.7	102,600*b																			60
65	50.5	231.8	97,300*b	64.9	239.7	103,800b																65
70	44.9	227.1	92,500*	60.2	237.0	94,400b																70
75	38.6	221.3	88,200*	55.3	233.7	86,400b	63.7	237.4	81,700b													75
80	31.2	213.8	83,900*	50.1	229.8	79,600	59.0	234.5	75,300b													80
85	21.7	203.3	76,500*	44.5	225.0	73,700	54.0	231.1	69,700b													85
90				38.1	219.1	68,500	48.7	226.9	64,800	63.0	233.2	58,600b										90
95				30.7	211.5	63,900	42.9	221.9	60,500	58.3	230.3	54,700b										95
100				20.9	200.6	59,800	36.3	215.6	56,600	53.3	226.7	51,200b										100
105							28.4	207.4	53,100	47.9	222.5	48,100										105
110							17.4	194.9	49,900	42.0	217.3	45,200	57.2	224.5	40,500b							110
115										35.2	210.7	42,700	52.1	220.8	38,200b							115
120										27.1	202.1	40,300	46.6	216.4	36,100							120
125										15.1	188.4	38,100	40.5	210.9	34,100							125
130													33.6	204.0	32,300	50.4	213.3	28,500				130
135													24.9	194.7	30,600	44.7	208.5	27,100				135
140													10.6	178.0	29,000	38.4	202.6	25,700				140
145																31.0	195.1	24,400	47.9	203.9	21,200	145
150																21.4	184.5	23,200	42.0	198.7	20,100	150
155																			35.3	192.2	19,100	155
160																			27.2	183.6	18,200	160
165																			15.3	170.0	17,200	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

165 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	68.5	252.6	111,500*b																			50
55	64.6	250.3	105,400*b																			55
60	60.5	247.6	99,800*b																			60
65	56.2	244.5	94,700*	68.2	250.7	103,300b																65
70	51.8	240.7	90,000*	64.3	248.4	93,900b																70
75	47.0	236.3	85,800*	60.2	245.7	85,900b	67.2	248.5	81,100b													75
80	41.8	231.0	81,900*	55.9	242.4	79,100	63.2	246.1	74,700b													80
85	35.9	224.6	76,800*	51.4	238.6	73,200	59.1	243.2	69,100b													85
90	29.1	216.4	70,500*	46.6	234.2	68,100	54.8	239.8	64,300													90
95	20.2	205.1	64,400*	41.4	228.8	63,500	50.2	235.9	60,000	62.6	241.9	54,000b										95
100				35.5	222.3	59,500	45.3	231.2	56,100	58.5	238.9	50,600b										100
105				28.6	214.0	55,800	39.9	225.6	52,700	54.1	235.5	47,500										105
110				19.4	202.3	52,500	33.8	218.7	49,600	49.5	231.4	44,700										110
115							26.5	209.7	46,800	44.5	226.6	42,100	57.5	233.2	37,500							115
120							16.2	196.3	44,100	39.1	220.8	39,800	53.1	229.6	35,400							120
125										32.8	213.7	37,700	48.4	225.4	33,500							125
130										25.2	204.3	35,700	43.4	220.4	31,700							130
135										14.1	189.6	33,800	37.8	214.4	30,100	51.6	222.1	26,400				135
140													31.3	206.8	28,600	46.8	217.7	25,000				140
145													23.2	196.7	27,200	41.6	212.4	23,800				145
150													9.8	178.8	25,700	35.8	205.9	22,600				150
155																28.9	197.7	21,500	44.6	208.1	18,400	155
160																19.9	186.2	20,400	39.1	202.3	17,500	160
165																			32.9	195.2	16,700	165
170																			25.3	185.9	15,800	170
175																			14.2	171.2	15,000	175

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

165 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	
50	71.0	263.3	108,300*b																			50
55	67.6	261.4	102,500*b																			55
60	64.1	259.0	97,200*b																			60
65	60.4	256.3	92,300*	70.8	261.4	91,900b																65
70	56.7	253.1	87,900*	67.3	259.4	83,300b																70
75	52.7	249.5	83,800*	63.8	257.1	75,900b																75
80	48.6	245.3	79,400	60.2	254.3	69,600	66.4	257.2	63,800b													80
85	44.1	240.4	73,300	56.4	251.1	64,200	62.9	254.7	58,800b													85
90	39.2	234.6	67,900	52.5	247.4	59,500	59.2	251.9	54,400													90
95	33.8	227.6	63,200	48.3	243.2	55,300	55.4	248.5	50,500													95
100	27.4	218.9	58,700*	43.8	238.2	51,500	51.4	244.7	47,000	62.3	250.5	39,600										100
105	19.0	206.7	53,900*	38.9	232.4	48,200	47.1	240.3	44,000	58.7	247.6	36,900										105
110				33.4	225.3	45,200	42.5	235.1	41,200	54.8	244.2	34,500										110
115				26.9	216.4	42,400	37.5	229.0	38,600	50.8	240.3	32,300										115
120				18.3	203.9	39,800	31.8	221.5	36,300	46.5	235.8	30,300	57.8	241.9	24,400							120
125							24.9	211.9	34,200	41.8	230.5	28,500	53.9	238.4	22,800							125
130							15.2	197.6	32,100	36.7	224.2	26,800	49.8	234.3	21,400							130
135										30.9	216.5	25,200	45.5	229.6	20,100							135
140										23.7	206.4	23,700	40.7	224.1	18,900	52.6	230.9	14,000				140
145										13.2	190.7	22,300	35.5	217.6	17,700	48.5	226.7	13,100				145
150													29.4	209.4	16,600	44.0	221.7	12,200				150
155													21.8	198.6	15,600	39.1	215.9	11,400				155
160													9.2	179.5	14,500	33.6	208.9	10,600	46.5	217.2	6,600	160
165																27.2	200.1	9,800	41.9	211.9	6,000	165
170																18.7	187.8	9,100	36.8	205.7	5,400	170
175																			30.9	198.0	4,900	175
180																			23.8	188.0	4,300	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

165 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	73.0	273.9	104,800*b																50
55	69.9	272.1	99,400*b																55
60	66.8	270.1	94,400*b																60
65	63.7	267.7	89,800*																65
70	60.4	265.0	85,500*	69.7	270.2	82,500b													70
75	57.0	261.8	81,600*	66.6	268.2	75,200b													75
80	53.5	258.3	77,900*	63.4	265.7	68,900													80
85	49.8	254.2	72,800	60.2	263.0	63,500	65.8	265.9	58,000										85
90	45.9	249.6	67,500	56.8	259.8	58,800	62.6	263.4	53,600										90
95	41.7	244.2	62,800	53.2	256.2	54,600	59.3	260.5	49,700										95
100	37.1	238.0	58,600*	49.5	252.1	50,900	55.9	257.3	46,300										100
105	32.0	230.5	53,700*	45.6	247.4	47,600	52.3	253.5	43,200	62.1	259.2	36,000							105
110	25.9	221.2	49,400*	41.4	242.0	44,600	48.5	249.3	40,500	58.8	256.3	33,600							110
115	18.0	208.3	45,700*	36.8	235.7	41,900	44.5	244.4	38,000	55.4	252.9	31,500							115
120				31.6	228.1	39,400	40.2	238.8	35,700	51.8	249.1	29,500							120
125				25.4	218.6	37,100	35.5	232.2	33,600	48.0	244.8	27,700	58.0	250.5	21,900				125
130				17.3	205.3	34,900	30.1	224.2	31,600	43.9	239.9	26,100	54.6	247.1	20,500				130
135							23.6	214.0	29,800	39.6	234.1	24,500	50.9	243.2	19,200				135
140							14.4	198.8	28,100	34.7	227.3	23,100	47.1	238.7	18,000				140
145										29.2	219.1	21,700	43.0	233.6	16,900				145
150										22.4	208.4	20,500	38.5	227.7	15,900	49.7	235.6	11,300	150
155										12.5	191.8	19,200	33.6	220.6	14,900	45.8	231.0	10,500	155
160													27.8	211.9	13,900	41.6	225.6	9,700	160
165													20.6	200.4	13,000	37.0	219.3	9,000	165
170													8.7	180.3	12,100	31.8	211.8	8,300	170
175																25.7	202.4	7,700	175
180																17.7	189.4	7,000	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

165 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	74.6	284.3	101,600*																50
55	71.8	282.8	96,600*																55
60	69.1	280.9	92,000*																60
65	66.2	278.8	87,600*																65
70	63.3	276.4	83,500*																70
75	60.4	273.6	79,700*	68.9	279.0	74,500													75
80	57.3	270.5	76,200*	66.0	276.9	68,300													80
85	54.1	267.0	72,300	63.1	274.4	62,900													85
90	50.8	263.1	66,900	60.1	271.6	58,100	65.3	274.6	52,900										90
95	47.3	258.6	62,300	57.1	268.5	54,000	62.4	272.1	49,000										95
100	43.6	253.6	58,100	53.9	265.0	50,300	59.4	269.2	45,600										100
105	39.6	247.8	53,800*	50.6	261.0	47,000	56.3	266.0	42,600										105
110	35.3	241.2	49,600*	47.1	256.5	44,000	53.0	262.3	39,800	61.9	267.9	32,900							110
115	30.4	233.2	45,700*	43.4	251.5	41,300	49.7	258.2	37,300	58.9	264.9	30,800							115
120	24.6	223.3	42,300*	39.4	245.6	38,800	46.1	253.6	35,100	55.8	261.7	28,800							120
125	17.1	209.7	39,400*	35.0	238.9	36,600	42.3	248.3	33,000	52.5	258.0	27,000							125
130				30.0	230.8	34,500	38.3	242.3	31,100	49.2	253.8	25,400							130
135				24.2	220.8	32,600	33.8	235.2	29,300	45.6	249.1	23,900	55.1	255.8	18,500				135
140				16.4	206.8	30,700	28.6	226.8	27,700	41.8	243.7	22,500	51.8	252.0	17,300				140
145							22.4	216.0	26,100	37.6	237.5	21,200	48.4	247.7	16,200				145
150							13.7	200.0	24,600	33.0	230.3	19,900	44.7	242.9	15,200				150
155										27.8	221.6	18,800	40.9	237.4	14,200	50.7	244.5	9,800	155
160										21.4	210.3	17,700	36.6	231.0	13,300	47.2	240.0	9,000	160
165										11.9	192.8	16,600	31.9	223.5	12,500	43.5	235.0	8,300	165
170													26.5	214.3	11,700	39.5	229.2	7,700	170
175													19.6	202.1	10,900	35.2	222.5	7,100	175
180													8.3	180.9	10,000	30.3	214.5	6,400	180
185																24.5	204.6	5,900	185
190																16.8	190.8	5,300	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

165 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
50	75.9	294.7	98,100*																50
55	73.4	293.3	93,500*																55
60	70.9	291.6	89,100*																60
65	68.3	289.7	85,000*																65
70	65.7	287.5	81,200*																70
75	63.1	285.0	77,600*	70.7	289.7	73,800													75
80	60.3	282.3	74,200*	68.1	287.8	67,500													80
85	57.5	279.2	71,100*	65.5	285.6	62,200													85
90	54.6	275.8	66,400	62.9	283.1	57,500	67.5	285.6	52,100										90
95	51.6	271.9	61,700	60.1	280.3	53,300	64.8	283.3	48,300										95
100	48.5	267.6	57,600	57.3	277.2	49,600	62.2	280.7	44,900										100
105	45.2	262.8	53,600*	54.4	273.7	46,300	59.4	277.8	41,800										105
110	41.7	257.4	49,500*	51.4	269.9	43,400	56.6	274.6	39,100										110
115	37.9	251.3	45,800*	48.2	265.5	40,700	53.6	271.1	36,600	61.8	276.5	30,000							115
120	33.7	244.2	42,400*	44.9	260.7	38,200	50.6	267.1	34,400	59.0	273.6	28,000							120
125	29.1	235.8	39,300*	41.4	255.3	36,000	47.4	262.7	32,300	56.1	270.4	26,200							125
130	23.5	225.4	36,600*	37.6	249.1	34,000	44.0	257.7	30,400	53.2	266.7	24,600							130
135	16.3	211.2	34,100*	33.4	241.9	32,100	40.4	252.1	28,700	50.1	262.7	23,100							135
140				28.7	233.4	30,300	36.5	245.6	27,100	46.9	258.2	21,700	55.5	264.5	16,500				140
145				23.1	222.8	28,600	32.2	238.1	25,600	43.5	253.1	20,500	52.5	260.8	15,400				145
150				15.7	208.1	27,000	27.4	229.2	24,200	39.9	247.4	19,300	49.4	256.7	14,400				150
155							21.4	217.8	22,800	35.9	240.8	18,100	46.2	252.1	13,500				155
160							13.1	201.1	21,500	31.6	233.1	17,100	42.7	246.8	12,600	51.5	253.3	8,200	160
165										26.6	223.9	16,100	39.0	240.9	11,700	48.4	249.0	7,500	165
170										20.4	212.0	15,100	35.0	234.2	11,000	45.1	244.2	6,900	170
175										11.3	193.7	14,100	30.5	226.2	10,200	41.6	238.8	6,300	175
180													25.3	216.5	9,500	37.8	232.6	5,700	180
185													18.8	203.8	8,800	33.6	225.5	5,100	185
190													7.9	181.6	8,000	28.9	217.1	4,600	190
195																23.4	206.6	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

165 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	74.7	303.7	90,500*																55
60	72.4	302.2	86,500*																60
65	70.1	300.4	82,700*																65
70	67.7	298.4	79,100*																70
75	65.3	296.2	75,600*																75
80	62.8	293.7	72,500*	69.9	298.5	67,200													80
85	60.3	290.9	69,500*	67.5	296.5	61,800													85
90	57.7	287.9	66,100	65.1	294.3	57,100													90
95	55.1	284.5	61,500	62.6	291.8	53,000	66.9	294.3	47,900										95
100	52.3	280.7	57,300	60.1	289.0	49,300	64.5	292.0	44,500										100
105	49.4	276.6	53,300*	57.5	285.9	46,000	62.0	289.4	41,500										105
110	46.4	272.0	49,400*	54.9	282.5	43,100	59.5	286.5	38,800										110
115	43.3	266.8	45,800*	52.1	278.7	40,400	56.8	283.3	36,300										115
120	39.9	261.1	42,500*	49.2	274.5	38,000	54.2	279.8	34,100	61.6	285.2	27,700							120
125	36.3	254.6	39,500*	46.2	269.9	35,800	51.4	275.9	32,000	59.1	282.3	25,900							125
130	32.3	247.1	36,700*	43.1	264.7	33,700	48.5	271.7	30,200	56.5	279.0	24,300							130
135	27.9	238.3	34,200*	39.7	258.9	31,800	45.4	266.9	28,400	53.7	275.5	22,800							135
140	22.6	227.4	32,000*	36.0	252.3	30,100	42.2	261.6	26,800	50.9	271.5	21,400							140
145	15.7	212.5	29,900*	32.0	244.8	28,500	38.8	255.6	25,400	48.0	267.2	20,200	55.9	273.3	15,100				145
150				27.5	235.8	27,000	35.0	248.8	24,000	44.9	262.3	19,000	53.1	269.6	14,100				150
155				22.2	224.7	25,500	30.9	240.9	22,700	41.7	256.9	17,900	50.3	265.6	13,200				155
160				15.1	209.4	24,100	26.2	231.5	21,400	38.2	250.8	16,800	47.3	261.1	12,300				160
165							20.6	219.6	20,300	34.5	243.9	15,900	44.2	256.2	11,500	52.2	262.1	7,200	165
170							12.5	202.2	19,100	30.3	235.8	14,900	40.9	250.6	10,700	49.4	258.0	6,500	170
175										25.5	226.2	14,000	37.4	244.3	10,000	46.4	253.4	6,000	175
180										19.6	213.8	13,200	33.6	237.2	9,300	43.2	248.2	5,400	180
185										10.9	194.6	12,300	29.3	228.8	8,600	39.8	242.5	4,900	185
190													24.3	218.6	8,000	36.2	235.9	4,400	190
195													18.0	205.3	7,300				195
200													7.6	182.2	6,700				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

165 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	75.8	314.1	86,200*																55
60	73.7	312.7	82,500*																60
65	71.6	311.1	79,000*																65
70	69.4	309.2	75,700*																70
75	67.2	307.2	72,600*																75
80	64.9	304.9	69,600*																80
85	62.6	302.4	66,900*	69.2	307.3	61,100													85
90	60.3	299.6	64,200*	67.0	305.3	56,400													90
95	57.9	296.5	60,900	64.8	303.0	52,300													95
100	55.4	293.2	56,800	62.5	300.4	48,600	66.4	303.0	43,800										100
105	52.9	289.5	53,100*	60.1	297.6	45,400	64.2	300.6	40,800										105
110	50.2	285.5	49,400*	57.7	294.5	42,400	61.9	298.0	38,100										110
115	47.5	281.0	45,900*	55.2	291.2	39,800	59.5	295.2	35,600										115
120	44.6	276.1	42,700*	52.7	287.5	37,300	57.1	292.0	33,400										120
125	41.6	270.7	39,800*	50.1	283.4	35,100	54.6	288.6	31,400	61.5	293.8	25,100							125
130	38.4	264.6	37,000*	47.3	278.9	33,100	52.0	284.8	29,500	59.1	290.9	23,500							130
135	34.9	257.7	34,500*	44.4	274.0	31,200	49.4	280.6	27,800	56.7	287.7	22,000							135
140	31.1	249.9	32,200*	41.4	268.5	29,500	46.6	276.0	26,200	54.2	284.2	20,700							140
145	26.8	240.7	30,100*	38.2	262.4	27,900	43.7	270.9	24,700	51.6	280.4	19,400							145
150	21.7	229.3	28,200*	34.7	255.5	26,400	40.6	265.3	23,300	48.9	276.1	18,300	56.2	281.9	13,300				150
155	15.1	213.8	26,500*	30.8	247.5	25,000	37.3	259.0	22,100	46.2	271.5	17,200	53.6	278.4	12,300				155
160				26.5	238.2	23,700	33.7	251.8	20,900	43.2	266.3	16,100	51.0	274.4	11,500				160
165				21.3	226.6	22,400	29.8	243.6	19,700	40.1	260.6	15,200	48.3	270.1	10,700				165
170				14.5	210.6	21,200	25.2	233.8	18,600	36.8	254.2	14,300	45.5	265.3	9,900	52.8	270.9	5,700	170
175							19.8	221.4	17,600	33.2	246.9	13,400	42.5	260.1	9,200	50.2	266.9	5,100	175
180							12.1	203.2	16,600	29.1	238.4	12,600	39.4	254.2	8,500	47.4	262.4	4,600	180
185										24.5	228.3	11,800	36.0	247.6	7,900	44.6	257.5	4,100	185
190										18.8	215.4	11,000	32.3	240.1	7,300				190
195										10.4	195.5	10,300	28.2	231.3	6,700				195
200													23.4	220.7	6,100				200
205													17.3	206.8	5,600				205
210													7.3	182.8	5,000				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

165 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	74.8	323.1	79,800*													60
65	72.8	321.6	76,600*													65
70	70.8	319.9	73,600*													70
75	68.8	318.0	70,700*													75
80	66.7	315.9	67,900*													80
85	64.6	313.6	65,200*	70.7	318.0	60,400										85
90	62.5	311.0	62,700*	68.6	316.1	55,800										90
95	60.3	308.3	59,400*	66.6	314.0	51,700										95
100	58.0	305.2	55,700*	64.4	311.6	48,000										100
105	55.7	301.9	52,200*	62.3	309.1	44,700	66.0	311.7	40,100							105
110	53.4	298.3	48,800*	60.1	306.3	41,800	63.9	309.3	37,400							110
115	50.9	294.3	45,600*	57.9	303.2	39,100	61.7	306.7	35,000							115
120	48.4	290.0	42,500*	55.6	299.9	36,700	59.5	303.8	32,700							120
125	45.8	285.3	39,700*	53.2	296.2	34,500	57.3	300.7	30,700							125
130	43.0	280.1	37,100*	50.8	292.2	32,500	55.0	297.3	28,900	61.4	302.5	22,800				130
135	40.1	274.3	34,600*	48.2	287.9	30,700	52.6	293.5	27,100	59.2	299.6	21,400				135
140	37.0	268.0	32,400*	45.6	283.1	28,900	50.1	289.5	25,600	56.9	296.4	20,000				140
145	33.7	260.8	30,300*	42.8	277.9	27,300	47.6	285.0	24,100	54.6	293.0	18,800				145
150	30.0	252.6	28,400*	39.9	272.1	25,900	44.9	280.2	22,700	52.2	289.2	17,600				150
155	25.9	243.0	26,700*	36.8	265.7	24,500	42.1	274.8	21,500	49.7	285.1	16,500	56.4	290.6	11,600	155
160	21.0	231.1	25,100*	33.4	258.5	23,200	39.1	268.9	20,300	47.2	280.5	15,500	54.1	287.1	10,800	160
165	14.5	215.1	23,600*	29.7	250.2	21,900	36.0	262.2	19,200	44.5	275.6	14,500	51.7	283.3	10,000	165
170				25.6	240.4	20,800	32.5	254.8	18,100	41.7	270.2	13,600	49.2	279.0	9,300	170
175				20.6	228.4	19,700	28.7	246.1	17,100	38.7	264.1	12,800	46.6	274.4	8,600	175
180				14.0	211.8	18,600	24.4	235.9	16,200	35.5	257.4	12,000	43.9	269.4	7,900	180
185							19.1	223.0	15,200	32.0	249.8	11,200	41.0	263.8	7,300	185
190							11.6	204.2	14,300	28.1	240.9	10,500	38.0	257.7	6,700	190
195										23.7	230.4	9,800	34.7	250.7	6,100	195
200										18.2	217.0	9,100	31.1	242.9	5,500	200
205										10.1	196.4	8,400	27.2	233.7	5,000	205
210													22.5	222.7	4,500	210
215													16.7	208.3	4,000	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

165 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	75.8	333.4	76,200*													60
65	73.9	332.0	73,900*													65
70	72.1	330.5	71,100*													70
75	70.2	328.7	68,400*													75
80	68.2	326.8	65,800*													80
85	66.3	324.6	63,300*													85
90	64.3	322.3	60,400*	70.0	326.8	55,100										90
95	62.3	319.7	57,200*	68.1	324.9	51,000										95
100	60.2	316.9	54,100*	66.2	322.7	47,300										100
105	58.2	313.9	50,900*	64.2	320.3	44,100	67.6	322.6	39,300							105
110	56.0	310.6	47,900*	62.2	317.8	41,100	65.6	320.4	36,700							110
115	53.8	307.0	44,900*	60.1	314.9	38,500	63.6	318.0	34,200							115
120	51.5	303.1	42,100*	58.0	311.9	36,100	61.6	315.4	32,000							120
125	49.2	298.9	39,400*	55.9	308.6	33,900	59.6	312.5	30,000							125
130	46.8	294.4	36,900*	53.7	305.0	31,900	57.4	309.4	28,200							130
135	44.2	289.4	34,600*	51.4	301.1	30,000	55.3	306.0	26,500	61.3	311.2	20,600				135
140	41.6	283.9	32,400*	49.0	296.8	28,300	53.1	302.3	24,900	59.2	308.3	19,200				140
145	38.8	277.9	30,300*	46.6	292.2	26,700	50.8	298.3	23,400	57.1	305.1	18,000				145
150	35.8	271.2	28,500*	44.1	287.2	25,300	48.4	294.0	22,100	55.0	301.7	16,800				150
155	32.6	263.7	26,700*	41.4	281.7	23,900	45.9	289.3	20,800	52.7	298.0	15,800				155
160	29.0	255.2	25,100*	38.6	275.7	22,600	43.4	284.2	19,600	50.4	293.9	14,800	56.6	299.3	10,000	160
165	25.0	245.2	23,600*	35.6	268.9	21,400	40.7	278.5	18,500	48.1	289.5	13,800	54.5	295.8	9,200	165
170	20.3	232.9	22,300*	32.3	261.4	20,200	37.8	272.3	17,500	45.6	284.8	12,900	52.2	292.1	8,500	170
175	14.1	216.3	21,100*	28.8	252.8	19,200	34.8	265.4	16,500	43.0	279.6	12,100	49.9	287.9	7,800	175
180				24.7	242.6	18,100	31.4	257.6	15,600	40.3	273.8	11,300	47.5	283.5	7,100	180
185				19.9	230.2	17,200	27.8	248.6	14,700	37.4	267.5	10,600	45.0	278.6	6,500	185
190				13.5	213.0	16,200	23.6	238.0	13,800	34.3	260.5	9,900	42.4	273.3	5,900	190
195							18.5	224.6	13,000	30.9	252.5	9,200	39.6	267.5	5,400	195
200							11.2	205.2	12,200	27.2	243.4	8,500	36.7	261.0	4,800	200
205										22.9	232.4	7,900	33.6	253.8	4,300	205
210										17.6	218.5	7,300				210
215										9.7	197.2	6,700				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

165 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	74.9	342.5	68,700*													65
70	73.1	341.0	66,900*													70
75	71.4	339.3	64,900*													75
80	69.6	337.5	62,600*													80
85	67.8	335.5	60,200*													85
90	65.9	333.3	57,600*													90
95	64.1	331.0	55,000*	69.5	335.6	50,600										95
100	62.2	328.4	52,200*	67.6	333.6	46,900										100
105	60.2	325.6	49,500*	65.8	331.4	43,700										105
110	58.3	322.6	46,700*	63.9	329.0	40,800	67.2	331.4	36,300							110
115	56.2	319.3	44,100*	62.0	326.4	38,100	65.3	329.1	33,800							115
120	54.2	315.8	41,500*	60.1	323.6	35,700	63.4	326.7	31,600							120
125	52.1	311.9	39,000*	58.1	320.6	33,500	61.5	324.0	29,600							125
130	49.9	307.8	36,700*	56.1	317.3	31,500	59.6	321.2	27,800							130
135	47.6	303.4	34,400*	54.0	313.7	29,700	57.6	318.1	26,100							135
140	45.3	298.6	32,300*	51.9	309.9	28,000	55.6	314.7	24,500	61.2	319.8	18,900				140
145	42.8	293.3	30,400*	49.7	305.8	26,400	53.5	311.1	23,100	59.3	316.9	17,600				145
150	40.3	287.6	28,500*	47.5	301.3	24,900	51.4	307.2	21,700	57.3	313.8	16,500				150
155	37.6	281.3	26,800*	45.1	296.4	23,600	49.1	302.9	20,500	55.3	310.4	15,400				155
160	34.7	274.3	25,200*	42.7	291.2	22,300	46.9	298.4	19,300	53.2	306.7	14,400				160
165	31.6	266.5	23,800*	40.1	285.4	21,100	44.5	293.4	18,200	51.0	302.8	13,500	56.9	308.0	8,800	165
170	28.1	257.7	22,400*	37.4	279.1	19,900	42.0	288.0	17,200	48.8	298.5	12,600	54.8	304.6	8,100	170
175	24.3	247.3	21,100*	34.5	272.0	18,900	39.4	282.1	16,200	46.5	293.9	11,800	52.7	300.8	7,400	175
180	19.7	234.6	20,000*	31.3	264.2	17,900	36.6	275.6	15,300	44.1	288.9	11,000	50.5	296.8	6,800	180
185	13.6	217.4	18,900*	27.9	255.2	16,900	33.7	268.4	14,400	41.6	283.4	10,200	48.3	292.5	6,200	185
190				24.0	244.7	16,000	30.5	260.3	13,600	39.0	277.4	9,500	46.0	287.8	5,600	190
195				19.3	231.8	15,100	26.9	251.0	12,800	36.2	270.8	8,900	43.6	282.6	5,000	195
200				13.1	214.1	14,300	22.8	240.0	12,000	33.2	263.5	8,200	41.1	277.1	4,500	200
205							17.9	226.2	11,300	30.0	255.2	7,600	38.4	271.0	4,000	205
210							10.9	206.1	10,600	26.3	245.7	7,100				210
215										22.2	234.4	6,500				215
220										17.0	220.0	5,900				220
225										9.4	198.0	5,400				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

165 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	75.8	352.8	63,500*													65
70	74.1	351.4	62,000*													70
75	72.4	349.9	60,400*													75
80	70.8	348.2	58,600*													80
85	69.1	346.3	56,600*													85
90	67.3	344.3	54,500*													90
95	65.6	342.0	52,300*	70.6	346.3	49,900										95
100	63.8	339.6	50,000*	68.9	344.4	46,200										100
105	62.0	337.0	47,600*	67.2	342.3	43,000										105
110	60.2	334.2	45,300*	65.5	340.1	40,100										110
115	58.4	331.2	42,900*	63.7	337.7	37,500	66.8	340.1	33,100							115
120	56.5	328.0	40,600*	61.9	335.1	35,100	65.0	337.8	30,900							120
125	54.5	324.5	38,300*	60.1	332.3	32,900	63.2	335.4	28,900							125
130	52.5	320.7	36,200*	58.2	329.2	30,900	61.4	332.7	27,100							130
135	50.5	316.7	34,100*	56.3	326.0	29,000	59.6	329.8	25,400							135
140	48.4	312.4	32,100*	54.4	322.5	27,300	57.7	326.7	23,800	63.0	331.2	18,100				140
145	46.2	307.7	30,200*	52.4	318.7	25,800	55.8	323.4	22,400	61.2	328.5	16,900				145
150	43.9	302.6	28,500*	50.3	314.6	24,300	53.9	319.8	21,100	59.3	325.6	15,700				150
155	41.6	297.1	26,800*	48.2	310.3	22,900	51.9	316.0	19,800	57.5	322.5	14,700				155
160	39.1	291.1	25,300*	46.0	305.6	21,700	49.8	311.8	18,700	55.5	319.1	13,700				160
165	36.5	284.6	23,800*	43.8	300.5	20,500	47.7	307.4	17,600	53.6	315.5	12,700				165
170	33.7	277.4	22,400*	41.4	294.9	19,400	45.5	302.6	16,500	51.6	311.6	11,900	57.0	316.7	7,300	170
175	30.6	269.3	21,200*	38.9	288.9	18,300	43.2	297.4	15,600	49.5	307.4	11,100	55.1	313.3	6,600	175
180	27.3	260.1	20,000*	36.3	282.3	17,300	40.8	291.8	14,700	47.3	302.9	10,300	53.1	309.6	6,000	180
185	23.6	249.4	18,900*	33.5	275.1	16,400	38.2	285.6	13,800	45.1	298.1	9,600	51.1	305.7	5,400	185
190	19.1	236.3	17,900*	30.4	266.9	15,500	35.6	278.8	13,000	42.8	292.8	8,900	49.0	301.4	4,800	190
195	13.2	218.6	17,000*	27.1	257.6	14,600	32.7	271.4	12,200	40.4	287.1	8,200	46.9	296.8	4,300	195
200				23.3	246.8	13,800	29.6	262.9	11,500	37.9	280.8	7,600				200
205				18.7	233.5	13,000	26.1	253.3	10,800	35.2	274.0	7,000				205
210				12.7	215.2	12,200	22.2	241.9	10,100	32.3	266.4	6,400				210
215							17.4	227.7	9,400	29.1	257.8	5,900				215
220							10.6	207.0	8,700	25.6	248.0	5,300				220
225										21.5	236.3	4,800				225
230										16.5	221.4	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

165 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
70	75.0	361.8	56,600*													70
75	73.4	360.4	56,000*													75
80	71.8	358.8	54,700*													80
85	70.2	357.0	53,200*													85
90	68.6	355.1	51,600*													90
95	67.0	353.0	49,800*													95
100	65.3	350.8	47,900*	70.1	355.1	45,600										100
105	63.6	348.3	45,900*	68.5	353.2	42,400										105
110	61.9	345.7	43,900*	66.9	351.1	39,500										110
115	60.2	342.9	41,900*	65.2	348.8	36,900										115
120	58.4	339.9	39,800*	63.5	346.4	34,500	66.4	348.8	30,300							120
125	56.7	336.7	37,800*	61.8	343.7	32,300	64.8	346.5	28,300							125
130	54.8	333.2	35,800*	60.1	340.9	30,300	63.1	344.0	26,500							130
135	52.9	329.5	33,900*	58.3	337.9	28,500	61.4	341.4	24,800							135
140	51.0	325.5	32,100*	56.5	334.7	26,800	59.6	338.5	23,200							140
145	49.0	321.3	30,300*	54.7	331.2	25,200	57.9	335.4	21,800	62.8	339.9	16,200				145
150	47.0	316.7	28,600*	52.8	327.5	23,800	56.1	332.1	20,500	61.1	337.1	15,100				150
155	44.9	311.8	27,000*	50.9	323.5	22,400	54.2	328.6	19,200	59.4	334.2	14,000				155
160	42.7	306.5	25,500*	48.9	319.2	21,100	52.3	324.8	18,100	57.6	331.1	13,000				160
165	40.4	300.8	24,100*	46.9	314.6	19,900	50.4	320.7	17,000	55.8	327.8	12,100				165
170	38.0	294.6	22,700*	44.7	309.7	18,800	48.4	316.4	16,000	53.9	324.2	11,300				170
175	35.5	287.8	21,500*	42.5	304.4	17,800	46.3	311.7	15,000	52.0	320.4	10,400	57.2	325.4	6,000	175
180	32.7	280.3	20,300*	40.2	298.6	16,800	44.2	306.7	14,100	50.1	316.3	9,700	55.4	322.0	5,300	180
185	29.8	271.9	19,200*	37.8	292.4	15,900	41.9	301.3	13,300	48.1	311.9	9,000	53.5	318.4	4,700	185
190	26.6	262.5	18,100*	35.3	285.5	15,000	39.6	295.4	12,400	46.0	307.2	8,300	51.6	314.5	4,200	190
195	22.9	251.4	17,200*	32.5	278.0	14,100	37.2	289.0	11,700	43.8	302.1	7,600				195
200	18.6	237.9	16,300*	29.6	269.6	13,300	34.6	282.0	10,900	41.6	296.6	7,000				200
205	12.9	219.7	15,500*	26.3	260.0	12,600	31.8	274.2	10,200	39.3	290.7	6,400				205
210				22.6	248.8	11,800	28.8	265.5	9,600	36.8	284.2	5,900				210
215				18.2	235.1	11,100	25.4	255.6	8,900	34.2	277.1	5,300				215
220				12.4	216.3	10,400	21.6	243.8	8,300	31.4	269.2	4,800				220
225							16.9	229.2	7,700	28.3	260.3	4,300				225
230							10.3	207.9	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

165 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
70	75.7	372.2	51,200*										70
75	74.3	370.8	50,900*										75
80	72.8	369.3	50,800*										80
85	71.2	367.6	49,600*										85
90	69.7	365.8	48,200*										90
95	68.2	363.9	46,800*										95
100	66.6	361.7	45,200*										100
105	65.1	359.5	43,600*	69.6	363.9	41,700							105
110	63.5	357.0	41,900*	68.1	361.9	38,800							110
115	61.8	354.4	40,200*	66.5	359.8	36,200							115
120	60.2	351.6	38,400*	64.9	357.5	33,800	67.7	359.7	29,600				120
125	58.5	348.6	36,600*	63.3	355.0	31,700	66.1	357.5	27,600				125
130	56.8	345.3	34,900*	61.7	352.4	29,700	64.5	355.2	25,800				130
135	55.1	341.9	33,100*	60.1	349.6	27,800	62.9	352.7	24,100				135
140	53.3	338.3	31,500*	58.4	346.6	26,100	61.3	350.0	22,600				140
145	51.5	334.4	29,800*	56.7	343.3	24,600	59.6	347.1	21,100				145
150	49.6	330.2	28,300*	55.0	339.9	23,100	58.0	344.1	19,800	62.7	348.5	14,300	150
155	47.7	325.7	26,800*	53.2	336.2	21,800	56.3	340.8	18,600	61.1	345.8	13,300	155
160	45.7	321.0	25,300*	51.4	332.3	20,500	54.5	337.3	17,400	59.4	342.9	12,300	160
165	43.7	315.9	23,900*	49.5	328.1	19,300	52.7	333.6	16,300	57.7	339.8	11,400	165
170	41.6	310.4	22,700*	47.6	323.6	18,200	50.9	329.6	15,300	56.0	336.5	10,500	170
175	39.3	304.4	21,400*	45.6	318.9	17,200	49.0	325.3	14,400	54.2	333.0	9,700	175
180	37.0	298.0	20,300*	43.5	313.7	16,200	47.1	320.8	13,500	52.4	329.2	9,000	180
185	34.5	290.9	19,200*	41.4	308.2	15,300	45.1	315.9	12,600	50.6	325.2	8,200	185
190	31.9	283.2	18,200*	39.2	302.2	14,400	43.0	310.6	11,800	48.7	320.9	7,600	190
195	29.0	274.5	17,200*	36.8	295.7	13,500	40.8	305.0	11,000	46.8	316.3	6,900	195
200	25.9	264.8	16,300*	34.3	288.6	12,700	38.6	298.9	10,300	44.8	311.3	6,300	200
205	22.3	253.4	15,500*	31.7	280.8	12,000	36.2	292.3	9,600	42.7	306.0	5,700	205
210	18.1	239.5	14,700*	28.8	272.1	11,300	33.7	285.0	9,000	40.5	300.3	5,200	210
215	12.5	220.8	14,000*	25.6	262.2	10,600	31.0	277.0	8,300	38.2	294.1	4,700	215
220				22.0	250.7	9,900	28.0	268.0	7,700	35.8	287.4	4,100	220
225				17.7	236.6	9,300	24.7	257.7	7,200				225
230				12.0	217.3	8,600	21.0	245.7	6,600				230
235							16.5	230.6	6,000				235
240							10.0	208.7	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

175 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	
55	60.9	249.2	106,500*b																			55
60	56.0	246.0	100,900*b																			60
65	50.9	242.1	95,800*b																			65
70	45.3	237.5	91,200*	61.4	247.6	93,700b																70
75	39.1	231.7	87,000*	56.6	244.5	85,800b	65.3	248.1	80,700b													75
80	31.8	224.4	83,300*	51.4	240.7	79,000b	60.6	245.4	74,300b													80
85	22.5	214.2	76,300*	45.9	236.2	73,100	55.8	242.2	68,800b													85
90				39.7	230.6	68,000	50.6	238.3	64,000b													90
95				32.6	223.5	63,400	45.0	233.6	59,700	60.8	241.5	53,400b										95
100				23.6	213.7	59,300	38.7	227.8	55,900	55.9	238.3	50,000b										100
105				6.8	193.9	55,500	31.4	220.4	52,400	50.7	234.4	46,900b										105
110							21.9	209.9	49,300	45.1	229.7	44,200										110
115										38.8	224.0	41,700	55.6	232.8	36,700b							115
120										31.5	216.6	39,300	50.4	228.9	34,700							120
125										44.8	224.2	37,200	44.8	224.2	32,800							125
130										22.1	206.2	37,200	38.5	218.3	31,100							130
135													31.1	210.8	29,500	49.5	221.6	25,600				135
140													21.5	200.2	28,000	43.8	216.7	24,300				140
145																37.3	210.7	23,000				145
150																29.7	202.8	21,900				150
155																19.5	191.3	20,800	47.9	212.6	18,500	155
160																			42.0	207.4	17,600	160
165																			35.3	200.9	16,700	165
170																			27.2	192.3	15,900	165
																			15.3	178.7	15,000	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

175 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	64.8	260.5	103,400*b																55
60	60.8	257.8	98,100*b																60
65	56.6	254.7	93,100*b																65
70	52.1	251.0	88,700*	65.3	258.9	82,800b													70
75	47.3	246.6	84,600*	61.2	256.3	75,600b													75
80	42.2	241.4	79,700	57.0	253.2	69,300b	64.6	256.8	63,100b										80
85	36.4	235.1	73,600	52.6	249.5	63,900	60.6	254.1	58,100b										85
90	29.6	227.1	68,200	47.8	245.2	59,200	56.3	250.9	53,800										90
95	20.9	216.0	62,800*	42.7	240.1	55,000	51.8	247.2	49,900										95
100				37.0	233.9	51,300	47.1	242.7	46,500	60.7	250.2	38,600b							100
105				30.4	226.2	47,900	41.9	237.5	43,500	56.4	247.0	36,000							105
110				22.0	215.6	44,900	36.0	231.1	40,700	51.9	243.3	33,600							110
115				6.3	194.3	41,900	29.2	223.0	38,100	47.2	238.9	31,500							115
120							20.4	211.7	35,800	42.0	233.6	29,500	56.2	241.5	23,200				120
125										36.2	227.3	27,700	51.7	237.7	21,700				125
130										29.4	219.2	26,000	46.9	233.3	20,300				130
135										20.6	208.0	24,400	41.7	228.0	19,100				135
140													35.8	221.6	17,900	50.9	230.5	12,700	140
145													29.0	213.4	16,700	46.1	226.0	11,800	145
150													20.0	201.9	15,600	40.8	220.5	11,000	150
155																34.8	213.8	10,200	155
160																27.7	205.3	9,400	160
165																18.1	192.9	8,700	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

175 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	67.8	271.5	100,600* ^b																55
60	64.3	269.2	95,500* ^b																60
65	60.7	266.5	90,800*																65
70	56.9	263.4	86,500*	68.2	269.9	82,200 ^b													70
75	53.0	259.8	82,500*	64.7	267.6	75,000 ^b													75
80	48.9	255.6	78,900*	61.1	265.0	68,800	67.6	267.8	62,400 ^b										80
85	44.4	250.7	73,300	57.3	261.9	63,400	64.1	265.5	57,500 ^b										85
90	39.6	245.0	67,900	53.4	258.3	58,700	60.5	262.8	53,200										90
95	34.2	238.2	62,300*	49.3	254.2	54,600	56.7	259.6	49,400										95
100	27.9	229.6	57,100*	44.9	249.4	50,900	52.8	256.0	46,000										100
105	19.7	217.8	52,500*	40.1	243.8	47,600	48.6	251.8	43,000	60.6	258.8	35,300							105
110				34.8	237.1	44,600	44.2	246.9	40,200	56.8	255.7	33,000							110
115				28.6	228.7	41,800	39.3	241.1	37,700	52.9	252.1	30,900							115
120				20.7	217.4	39,300	33.9	234.1	35,500	48.7	247.9	29,000							120
125				5.9	194.8	36,800	27.5	225.4	33,400	44.3	243.0	27,200	56.6	250.2	21,100				125
130							19.2	213.4	31,400	39.4	237.2	25,600	52.7	246.6	19,700				130
135										34.0	230.3	24,100	48.5	242.3	18,500				135
140										27.6	221.7	22,600	44.0	237.4	17,300				140
145										19.4	209.7	21,300	39.1	231.6	16,200	52.0	239.4	11,200	145
150													33.7	224.6	15,200	47.8	235.0	10,400	150
155													27.2	215.8	14,200	43.3	230.0	9,600	155
160													18.8	203.5	13,300	38.3	224.0	8,900	160
165																32.7	216.8	8,200	165
170																26.0	207.6	7,500	170
175																17.0	194.4	6,900	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

175 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	70.1	282.3	97,400*b																55
60	67.1	280.2	92,700*b																60
65	63.9	277.9	88,300*																65
70	60.6	275.2	84,100*	70.5	280.6	81,500b													70
75	57.3	272.1	80,300*	67.4	278.6	74,200b													75
80	53.7	268.5	76,800*	64.2	276.3	68,100													80
85	50.1	264.5	72,800	61.0	273.6	62,700	66.9	276.5	56,700b										85
90	46.2	259.9	67,400	57.6	270.6	58,000	63.7	274.1	52,400										90
95	42.0	254.6	61,900*	54.1	267.1	53,900	60.5	271.4	48,600										95
100	37.4	248.4	56,800*	50.5	263.1	50,200	57.1	268.3	45,200										100
105	32.3	241.1	52,200*	46.6	258.6	46,900	53.6	264.7	42,200										105
110	26.4	231.9	48,100*	42.5	253.4	44,000	49.9	260.7	39,500	60.5	267.5	32,100							110
115	18.6	219.4	44,500*	37.9	247.3	41,300	46.0	256.0	37,100	57.1	264.4	30,000							115
120				32.9	240.1	38,800	41.8	250.7	34,800	53.6	260.8	28,100							120
125				27.0	231.1	36,600	37.2	244.5	32,800	50.0	256.8	26,400							125
130				19.6	219.1	34,400	32.1	237.0	30,900	46.1	252.2	24,800	56.9	258.9	18,800				130
135				5.6	195.2	32,300	26.0	227.7	29,100	41.9	246.9	23,300	53.4	255.3	17,600				135
140							18.1	214.9	27,400	37.3	240.6	21,900	49.7	251.3	16,400				140
145										32.2	233.2	20,600	45.8	246.6	15,400				145
150										26.2	224.0	19,400	41.6	241.2	14,400	52.8	248.2	9,400	150
155										18.3	211.3	18,200	37.0	235.0	13,500	49.1	244.0	8,700	155
160													31.9	227.5	12,600	45.2	239.2	8,000	160
165													25.8	218.1	11,700	40.9	233.7	7,300	165
170													17.8	205.1	10,900	36.2	227.3	6,700	170
175																30.9	219.6	6,100	175
180																24.6	209.8	5,500	180
185																16.1	195.7	4,900	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

175 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	72.0	292.9	94,600* ^b																55
60	69.3	291.1	90,200* ^b																60
65	66.4	289.0	86,000*																65
70	63.5	286.5	82,100*																70
75	60.6	283.8	78,400*	69.5	289.4	73,500 ^b													75
80	57.5	280.7	75,100*	66.7	287.3	67,400													80
85	54.3	277.3	71,900*	63.8	285.0	62,000													85
90	51.0	273.4	66,800*	60.9	282.3	57,400	66.3	285.2	51,700										90
95	47.6	269.0	61,500*	57.8	279.2	53,300	63.4	282.8	47,900										95
100	43.9	264.0	56,600*	54.7	275.8	49,600	60.4	280.1	44,600										100
105	39.9	258.3	52,100*	51.4	272.0	46,300	57.3	277.0	41,600										105
110	35.6	251.7	48,100*	47.9	267.6	43,400	54.2	273.5	38,900										110
115	30.8	243.8	44,500*	44.3	262.7	40,700	50.9	269.6	36,400	60.5	276.2	29,300							115
120	25.1	234.1	41,200*	40.4	257.1	38,300	47.4	265.1	34,200	57.4	273.1	27,400							120
125	17.7	220.9	38,400*	36.1	250.6	36,100	43.7	260.1	32,200	54.2	269.6	25,700							125
130				31.3	242.9	34,000	39.7	254.3	30,300	50.9	265.7	24,100							130
135				25.7	233.4	32,100	35.4	247.7	28,600	47.5	261.2	22,700	57.2	267.6	16,800				135
140				18.6	220.7	30,300	30.5	239.8	27,000	43.8	256.2	21,300	54.1	264.1	15,700				140
145				5.3	195.6	28,500	24.7	229.9	25,400	39.8	250.5	20,000	50.7	260.1	14,700				145
150							17.2	216.4	24,000	35.5	243.9	18,900	47.2	255.7	13,700				150
155										30.6	236.0	17,800	43.5	250.6	12,800				155
160										24.9	226.2	16,700	39.6	244.9	12,000	50.2	252.9	7,300	160
165										17.4	212.8	15,700	35.2	238.2	11,200	46.7	248.4	6,600	165
170													30.3	230.2	10,400	42.9	243.2	6,000	170
175													24.5	220.2	9,600	38.9	237.3	5,500	175
180													16.9	206.5	8,900	34.5	230.4	4,900	180
185																29.4	222.2	4,400	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

175 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	73.6	303.4	91,500*																55
60	71.1	301.7	87,400*																60
65	68.5	299.8	83,400*																65
70	65.9	297.7	79,800*																70
75	63.2	295.2	76,300*																75
80	60.5	292.5	73,100*	68.8	298.2	66,600													80
85	57.7	289.4	70,100*	66.2	296.1	61,300													85
90	54.8	286.0	65,600*	63.5	293.6	56,700													90
95	51.8	282.2	60,700*	60.8	290.9	52,600	65.8	293.9	47,100										95
100	48.7	277.9	56,100*	58.0	287.9	48,900	63.1	291.5	43,800										100
105	45.4	273.2	51,800*	55.1	284.5	45,700	60.4	288.7	40,800										105
110	41.9	267.8	47,900*	52.1	280.8	42,800	57.6	285.6	38,100										110
115	38.1	261.7	44,400*	49.0	276.6	40,100	54.7	282.2	35,700										115
120	34.0	254.7	41,100*	45.8	271.9	37,700	51.7	278.4	33,500	60.4	284.8	26,600							120
125	29.4	246.4	38,200*	42.3	266.6	35,500	48.5	274.1	31,500	57.6	281.7	24,900							125
130	24.0	236.2	35,600*	38.5	260.6	33,400	45.2	269.3	29,600	54.7	278.3	23,300							130
135	16.9	222.4	33,200*	34.5	253.7	31,600	41.7	263.9	27,900	51.7	274.5	21,900							135
140				29.9	245.5	29,800	37.9	257.8	26,300	48.6	270.2	20,600	57.5	276.3	14,800				140
145				24.6	235.6	28,200	33.8	250.7	24,900	45.3	265.5	19,300	54.6	272.8	13,800				145
150				17.8	222.2	26,600	29.1	242.4	23,500	41.8	260.1	18,200	51.6	269.0	12,900				150
155				5.0	196.0	25,000	23.6	232.0	22,200	38.0	254.0	17,100	48.4	264.7	12,000				155
160							16.5	217.8	20,900	33.9	246.9	16,100	45.1	259.9	11,200				160
165										29.3	238.6	15,100	41.6	254.5	10,400	51.1	261.8	5,800	165
170										23.8	228.3	14,200	37.8	248.3	9,600	47.9	257.4	5,200	170
175										16.7	214.2	13,300	33.6	241.2	8,900	44.5	252.5	4,600	175
180													29.0	232.8	8,300	41.0	247.0	4,100	180
185													23.4	222.3	7,600				185
190													16.2	207.9	7,000				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

175 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	74.9	313.8	87,400*													55
60	72.6	312.3	83,600*													60
65	70.2	310.6	80,100*													65
70	67.9	308.6	76,700*													70
75	65.5	306.4	73,500*													75
80	63.0	303.9	70,500*	70.5	308.9	66,300										80
85	60.5	301.1	67,700*	68.1	307.0	61,000										85
90	57.9	298.1	64,600*	65.7	304.8	56,300										90
95	55.2	294.7	60,100*	63.3	302.3	52,200	67.7	304.9	46,800							95
100	52.5	291.0	55,900*	60.7	299.6	48,600	65.3	302.6	43,400							100
105	49.6	286.9	51,900*	58.2	296.6	45,400	62.9	300.2	40,500							105
110	46.7	282.3	48,100*	55.5	293.2	42,400	60.3	297.4	37,800							110
115	43.5	277.2	44,600*	52.8	289.6	39,800	57.8	294.3	35,400							115
120	40.2	271.5	41,500*	49.9	285.5	37,400	55.1	290.9	33,200	62.9	296.2	26,200				120
125	36.6	265.1	38,500*	47.0	281.0	35,200	52.3	287.2	31,200	60.4	293.5	24,500				125
130	32.6	257.7	35,900*	43.8	275.9	33,200	49.5	283.0	29,400	57.8	290.4	23,000				130
135	28.2	249.0	33,400*	40.5	270.3	31,300	46.5	278.4	27,700	55.2	287.0	21,600				135
140	23.0	238.2	31,300*	37.0	263.9	29,600	43.3	273.3	26,100	52.4	283.3	20,200				140
145	16.2	223.8	29,300*	33.1	256.6	28,000	40.0	267.6	24,600	49.5	279.2	19,000	57.7	284.9	13,500	145
150				28.7	248.1	26,500	36.4	261.1	23,300	46.6	274.6	17,900	55.0	281.5	12,600	150
155				23.6	237.6	25,100	32.4	253.6	22,000	43.4	269.5	16,800	52.2	277.8	11,700	155
160				17.1	223.7	23,800	28.0	244.8	20,800	40.1	263.7	15,800	49.4	273.6	10,900	160
165				4.8	196.4	22,400	22.7	234.0	19,700	36.5	257.3	14,900	46.4	269.0	10,100	165
170							15.8	219.2	18,600	32.5	249.8	14,000	43.2	263.9	9,400	170
175										28.1	241.1	13,100	39.9	258.1	8,700	175
180										22.8	230.3	12,300	36.2	251.6	8,000	180
185										16.0	215.6	11,500	32.3	244.1	7,400	185
190													27.8	235.2	6,800	190
195													22.5	224.3	6,200	195
200													15.5	209.3	5,700	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

175 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	76.0	324.2	84,200*													55
60	73.9	322.8	80,700*													60
65	71.7	321.2	77,400*													65
70	69.5	319.4	74,300*													70
75	67.3	317.3	71,300*													75
80	65.1	315.1	68,500*													80
85	62.8	312.6	65,800*	69.8	317.7	60,200										85
90	60.4	309.8	62,700*	67.6	315.7	55,600										90
95	58.1	306.8	58,700*	65.3	313.5	51,500										95
100	55.6	303.4	54,800*	63.0	311.0	47,900	67.2	313.6	42,700							100
105	53.1	299.8	51,100*	60.7	308.3	44,700	65.0	311.3	39,700							105
110	50.4	295.7	47,600*	58.3	305.2	41,800	62.7	308.8	37,100							110
115	47.7	291.3	44,300*	55.9	301.9	39,200	60.3	306.0	34,700							115
120	44.8	286.5	41,300*	53.3	298.3	36,800	57.9	303.0	32,500							120
125	41.8	281.1	38,400*	50.7	294.3	34,600	55.5	299.6	30,500	62.7	304.9	23,700				125
130	38.6	275.0	35,800*	48.0	290.0	32,600	52.9	296.0	28,700	60.4	302.1	22,200				130
135	35.2	268.3	33,400*	45.1	285.1	30,700	50.3	291.9	27,000	58.0	299.1	20,800				135
140	31.4	260.5	31,200*	42.2	279.8	29,000	47.6	287.5	25,400	55.5	295.7	19,500				140
145	27.1	251.4	29,200*	39.0	273.9	27,400	44.7	282.6	24,000	53.0	292.1	18,300				145
150	22.1	240.2	27,400*	35.6	267.2	26,000	41.7	277.2	22,600	50.3	288.0	17,100	57.8	293.6	11,700	150
155	15.6	225.1	25,800*	31.8	259.5	24,600	38.5	271.1	21,400	47.6	283.6	16,100	55.4	290.2	10,900	155
160				27.6	250.5	23,300	35.0	264.3	20,200	44.8	278.7	15,100	52.8	286.6	10,000	160
165				22.7	239.6	22,000	31.2	256.4	19,100	41.7	273.3	14,200	50.2	282.5	9,300	165
170				16.4	225.1	20,900	26.9	247.2	18,000	38.5	267.3	13,300	47.5	278.1	8,600	170
175				4.6	196.7	19,600	21.8	235.9	17,000	35.1	260.4	12,500	44.6	273.1	7,900	175
180							15.2	220.5	16,100	31.3	252.6	11,700	41.6	267.7	7,300	180
185										27.0	243.5	10,900	38.3	261.6	6,700	185
190										22.0	232.2	10,200	34.9	254.7	6,100	190
195										15.4	217.0	9,500	31.0	246.9	5,500	195
200													26.7	237.6	5,000	200
205													21.6	226.2	4,500	205
210													14.9	210.5	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

175 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	75.0	333.2	78,100*													60
65	73.0	331.7	75,100*													65
70	71.0	330.0	72,100*													70
75	68.9	328.1	69,400*													75
80	66.8	326.1	66,700*													80
85	64.7	323.8	63,900*													85
90	62.6	321.2	60,500*	69.1	326.5	55,000										90
95	60.4	318.5	57,000*	67.1	324.4	50,900										95
100	58.2	315.4	53,500*	65.0	322.2	47,300										100
105	55.9	312.1	50,200*	62.8	319.7	44,100	66.7	322.3	39,000							105
110	53.5	308.5	47,000*	60.6	316.9	41,200	64.6	320.0	36,400							110
115	51.1	304.6	43,900*	58.4	313.9	38,500	62.5	317.5	34,000							115
120	48.6	300.3	41,000*	56.1	310.6	36,100	60.3	314.7	31,800							120
125	46.0	295.6	38,300*	53.8	307.1	34,000	58.1	311.7	29,800							125
130	43.2	290.4	35,800*	51.4	303.2	32,000	55.8	308.3	28,000	62.5	313.6	21,500				130
135	40.3	284.8	33,500*	48.9	298.9	30,100	53.4	304.7	26,300	60.3	310.8	20,100				135
140	37.3	278.4	31,300*	46.3	294.3	28,400	51.0	300.8	24,800	58.1	307.8	18,800				140
145	33.9	271.3	29,300*	43.5	289.2	26,900	48.5	296.5	23,400	55.8	304.4	17,600				145
150	30.3	263.2	27,500*	40.6	283.5	25,400	45.8	291.7	22,000	53.5	300.8	16,500				150
155	26.2	253.7	25,800*	37.6	277.3	24,000	43.1	286.6	20,800	51.0	296.9	15,400	58.0	302.3	10,100	155
160	21.4	242.1	24,300*	34.3	270.3	22,700	40.2	280.8	19,600	48.5	292.6	14,400	55.7	299.0	9,300	160
165	15.1	226.4	23,000*	30.7	262.2	21,500	37.1	274.5	18,500	45.9	287.9	13,500	53.3	295.3	8,600	165
170				26.6	252.9	20,400	33.7	267.3	17,500	43.1	282.7	12,700	50.9	291.4	7,900	170
175				21.9	241.6	19,300	30.1	259.1	16,500	40.2	277.0	11,800	48.4	287.0	7,200	175
180				15.8	226.5	18,300	26.0	249.5	15,600	37.2	270.6	11,100	45.7	282.3	6,600	180
185				4.4	197.1	17,200	21.1	237.8	14,700	33.8	263.5	10,300	43.0	277.1	6,000	185
190							14.7	221.8	13,800	30.2	255.3	9,600	40.1	271.4	5,500	190
195										26.0	245.8	9,000	37.0	265.0	4,900	195
200										21.2	234.1	8,300	33.6	257.8	4,400	200
205										14.8	218.2	7,700				205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

175 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	75.9	343.5	72,700*													60
65	74.1	342.1	70,800*													65
70	72.2	340.6	68,700*													70
75	70.3	338.8	66,200*													75
80	68.4	336.9	63,600*													80
85	66.4	334.8	60,800*													85
90	64.4	332.4	57,900*	70.5	337.2	54,200										90
95	62.4	329.9	54,900*	68.6	335.3	50,200										95
100	60.4	327.1	51,900*	66.6	333.2	46,600										100
105	58.3	324.1	48,900*	64.7	330.9	43,400										105
110	56.2	320.8	46,000*	62.7	328.3	40,500	66.3	331.1	35,600							110
115	54.0	317.3	43,200*	60.6	325.6	37,900	64.3	328.7	33,300							115
120	51.7	313.4	40,500*	58.5	322.6	35,500	62.3	326.2	31,100							120
125	49.4	309.2	38,000*	56.4	319.3	33,300	60.3	323.4	29,100							125
130	46.9	304.7	35,600*	54.2	315.8	31,300	58.2	320.3	27,300							130
135	44.4	299.7	33,300*	51.9	312.0	29,500	56.0	317.0	25,600	62.4	322.2	19,300				135
140	41.8	294.3	31,300*	49.6	307.8	27,800	53.8	313.5	24,100	60.3	319.5	18,000				140
145	39.0	288.3	29,300*	47.2	303.3	26,200	51.6	309.6	22,700	58.2	316.4	16,800				145
150	36.0	281.7	27,500*	44.7	298.4	24,800	49.2	305.4	21,400	56.1	313.1	15,700				150
155	32.8	274.3	25,800*	42.1	293.0	23,400	46.8	300.8	20,100	53.9	309.6	14,700				155
160	29.3	265.8	24,300*	39.3	287.1	22,200	44.3	295.8	19,000	51.6	305.7	13,700				160
165	25.3	255.9	22,900*	36.3	280.6	21,000	41.6	290.4	17,900	49.3	301.5	12,800	56.0	307.7	7,800	165
170	20.7	243.9	21,600*	33.2	273.2	19,800	38.8	284.4	16,900	46.9	297.0	11,900	53.8	304.1	7,100	170
175	14.6	227.7	20,400*	29.7	264.9	18,800	35.9	277.7	15,900	44.3	292.0	11,100	51.5	300.2	6,400	175
180				25.8	255.2	17,800	32.6	270.2	15,000	41.7	286.5	10,400	49.2	296.0	5,800	180
185				21.2	243.4	16,800	29.1	261.7	14,100	38.9	280.5	9,700	46.7	291.4	5,200	185
190				15.3	227.8	15,900	25.1	251.8	13,300	35.9	273.9	9,000	44.2	286.4	4,700	190
195				4.3	197.4	14,900	20.4	239.5	12,500	32.7	266.4	8,300	41.5	280.9	4,200	195
200							14.2	223.0	11,700	29.2	257.9	7,700				200
205										25.2	248.0	7,100				205
210										20.5	235.9	6,500				210
215										14.3	219.5	5,900				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

175 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	75.0	352.5	65,800*													65
70	73.3	351.1	64,000*													70
75	71.5	349.5	62,100*													75
80	69.7	347.6	60,000*													80
85	67.9	345.7	57,700*													85
90	66.1	343.5	55,200*													90
95	64.2	341.1	52,700*	69.9	346.0	49,800										95
100	62.3	338.6	50,100*	68.1	344.0	46,200										100
105	60.4	335.8	47,500*	66.2	341.9	43,000										105
110	58.4	332.8	44,900*	64.4	339.5	40,100	67.8	342.0	35,200							110
115	56.4	329.5	42,400*	62.5	337.0	37,500	66.0	339.8	32,900							115
120	54.3	326.0	39,900*	60.6	334.2	35,100	64.1	337.4	30,700							120
125	52.2	322.2	37,600*	58.6	331.2	33,000	62.2	334.8	28,700							125
130	50.0	318.1	35,300*	56.6	328.0	31,000	60.3	332.0	26,900							130
135	47.8	313.7	33,200*	54.5	324.5	29,100	58.3	329.0	25,300							135
140	45.5	308.9	31,200*	52.4	320.8	27,500	56.3	325.7	23,700	62.2	330.9	17,600				140
145	43.0	303.7	29,300*	50.3	316.7	25,900	54.2	322.2	22,300	60.3	328.1	16,400				145
150	40.5	298.0	27,500*	48.0	312.3	24,500	52.1	318.4	21,000	58.3	325.1	15,300				150
155	37.8	291.7	25,900*	45.7	307.6	23,100	49.9	314.3	19,800	56.3	321.8	14,300				155
160	34.9	284.8	24,400*	43.3	302.4	21,800	47.7	309.9	18,600	54.3	318.3	13,300				160
165	31.8	277.1	23,000*	40.7	296.8	20,600	45.3	305.0	17,500	52.2	314.5	12,400				165
170	28.4	268.3	21,600*	38.1	290.6	19,500	42.9	299.8	16,500	50.0	310.4	11,600	56.2	316.3	6,700	170
175	24.5	258.1	20,400*	35.2	283.8	18,500	40.3	294.1	15,600	47.7	306.0	10,800	54.1	312.8	6,100	175
180	20.0	245.6	19,300*	32.1	276.1	17,500	37.6	287.8	14,700	45.4	301.2	10,000	52.0	309.0	5,500	180
185	14.1	228.9	18,300*	28.8	267.5	16,600	34.7	280.9	13,800	42.9	295.9	9,300	49.8	304.9	4,900	185
190				25.0	257.4	15,700	31.6	273.1	13,000	40.4	290.2	8,600	47.6	300.4	4,300	190
195				20.5	245.2	14,800	28.2	264.2	12,200	37.7	284.0	8,000				195
200				14.8	229.1	14,000	24.3	253.9	11,500	34.8	277.0	7,400				200
205				4.1	197.7	13,100	19.7	241.3	10,800	31.7	269.3	6,800				205
210							13.7	224.2	10,100	28.3	260.5	6,300				210
215										24.4	250.2	5,700				215
220										19.9	237.6	5,200				220
225										13.9	220.7	4,700				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

175 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			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
65	75.9	362.9	60,800*										65
70	74.2	361.5	59,400*										70
75	72.6	360.0	57,900*										75
80	70.9	358.3	56,200*										80
85	69.2	356.4	54,300*										85
90	67.5	354.4	52,300*										90
95	65.7	352.2	50,200*										95
100	64.0	349.8	48,000*	69.4	354.8	45,500							100
105	62.2	347.2	45,700*	67.6	352.8	42,300							105
110	60.3	344.4	43,500*	65.9	350.6	39,400							110
115	58.5	341.4	41,200*	64.1	348.2	36,800	67.4	350.7	32,100				115
120	56.6	338.2	39,000*	62.4	345.7	34,500	65.6	348.5	30,000				120
125	54.7	334.7	36,900*	60.5	342.9	32,300	63.9	346.1	28,000				125
130	52.7	331.0	34,800*	58.7	339.9	30,300	62.1	343.5	26,200				130
135	50.6	327.0	32,800*	56.8	336.7	28,500	60.2	340.7	24,600				135
140	48.5	322.7	30,900*	54.9	333.3	26,800	58.4	337.7	23,000				140
145	46.4	318.0	29,100*	52.9	329.6	25,300	56.5	334.4	21,600	62.1	339.6	15,600	145
150	44.1	313.0	27,400*	50.8	325.6	23,800	54.6	330.9	20,300	60.3	336.8	14,500	150
155	41.7	307.5	25,800*	48.7	321.3	22,500	52.6	327.2	19,100	58.4	333.8	13,500	155
160	39.3	301.6	24,300*	46.6	316.7	21,200	50.5	323.2	18,000	56.5	330.5	12,600	160
165	36.7	295.1	23,000*	44.3	311.7	20,000	48.4	318.8	16,900	54.6	327.0	11,700	165
170	33.9	287.9	21,600*	42.0	306.3	18,900	46.2	314.2	15,900	52.6	323.3	10,800	170
175	30.9	279.9	20,400*	39.5	300.4	17,900	44.0	309.1	14,900	50.6	319.3	10,100	175
180	27.6	270.8	19,300*	36.9	293.9	16,900	41.6	303.6	14,100	48.5	314.9	9,300	180
185	23.8	260.2	18,300*	34.2	286.8	16,000	39.1	297.7	13,200	46.3	310.3	8,600	185
190	19.4	247.3	17,300*	31.2	278.9	15,100	36.5	291.1	12,400	44.0	305.2	8,000	190
195	13.7	230.1	16,400*	27.9	269.9	14,300	33.7	283.9	11,600	41.7	299.8	7,300	195
200				24.2	259.5	13,500	30.7	275.8	10,900	39.2	293.8	6,700	200
205				19.9	247.0	12,700	27.4	266.7	10,200	36.6	287.3	6,100	205
210				14.4	230.4	11,900	23.6	256.0	9,600	33.8	280.1	5,600	210
215				4.0	198.0	11,100	19.2	242.9	8,900	30.8	272.0	5,100	215
220							13.3	225.3	8,300	27.5	262.9	4,600	220
225										23.7	252.3	4,100	225

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

175 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
70	75.1	371.9	55,200*										70
75	73.5	370.5	54,000*										75
80	71.9	368.9	52,600*										80
85	70.3	367.1	51,100*										85
90	68.7	365.2	49,500*										90
95	67.1	363.1	47,800*										95
100	65.4	360.9	46,000*	70.5	365.5	44,900							100
105	63.8	358.5	44,100*	68.9	363.6	41,700							105
110	62.1	355.9	42,200*	67.3	361.5	38,800							110
115	60.3	353.1	40,200*	65.6	359.3	36,200							115
120	58.6	350.1	38,300*	63.9	356.9	33,900	67.0	359.4	29,300				120
125	56.8	346.9	36,300*	62.2	354.3	31,700	65.3	357.2	27,400				125
130	54.9	343.4	34,400*	60.5	351.6	29,700	63.7	354.8	25,600				130
135	53.1	339.8	32,600*	58.8	348.6	27,900	62.0	352.2	24,000				135
140	51.2	335.8	30,800*	57.0	345.4	26,300	60.2	349.3	22,400				140
145	49.2	331.6	29,100*	55.1	342.0	24,700	58.5	346.3	21,000				145
150	47.1	327.1	27,500*	53.3	338.3	23,300	56.7	343.1	19,700	62.0	348.2	13,900	150
155	45.0	322.2	26,000*	51.4	334.4	21,900	54.9	339.7	18,500	60.3	345.4	12,900	155
160	42.9	316.9	24,500*	49.4	330.2	20,700	53.0	336.0	17,400	58.5	342.4	11,900	160
165	40.6	311.2	23,200*	47.4	325.7	19,500	51.1	332.0	16,300	56.7	339.2	11,100	165
170	38.2	305.1	21,900*	45.3	320.9	18,400	49.1	327.8	15,300	54.9	335.8	10,200	170
175	35.6	298.3	20,700*	43.1	315.6	17,400	47.0	323.2	14,400	53.0	332.1	9,400	175
180	32.9	290.9	19,500*	40.8	310.0	16,400	44.9	318.3	13,500	51.1	328.1	8,700	180
185	30.0	282.6	18,500*	38.4	303.9	15,500	42.7	313.0	12,700	49.1	323.9	8,000	185
190	26.8	273.2	17,500*	35.9	297.2	14,600	40.4	307.3	11,900	47.1	319.3	7,400	190
195	23.2	262.2	16,600*	33.2	289.8	13,800	38.0	301.1	11,100	45.0	314.4	6,700	195
200	18.9	249.0	15,700*	30.3	281.6	13,000	35.5	294.3	10,400	42.8	309.2	6,100	200
205	13.3	231.2	15,000*	27.1	272.4	12,200	32.8	286.8	9,700	40.5	303.5	5,600	205
210				23.6	261.6	11,500	29.8	278.5	9,100	38.1	297.3	5,000	210
215				19.4	248.7	10,800	26.6	269.0	8,400	35.6	290.5	4,500	215
220				14.0	231.6	10,100	23.0	258.0	7,800	32.8	283.0	4,000	220
225				3.9	198.3	9,400	18.6	244.6	7,200				225
230							13.0	226.4	6,700				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

175 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
70	75.8	382.3	51,000*										70
75	74.4	380.9	50,000*										75
80	72.9	379.4	48,900*										80
85	71.4	377.7	47,700*										85
90	69.8	375.9	46,400*										90
95	68.3	374.0	45,000*										95
100	66.7	371.9	43,500*										100
105	65.2	369.6	41,900*	70.0	374.3	41,000							105
110	63.6	367.2	40,300*	68.5	372.4	38,100							110
115	62.0	364.6	38,600*	66.9	370.3	35,600							115
120	60.3	361.8	36,900*	65.3	368.0	33,200							120
125	58.6	358.8	35,200*	63.7	365.6	31,100	66.7	368.2	26,700				125
130	56.9	355.6	33,500*	62.1	363.0	29,100	65.1	365.9	24,900				130
135	55.2	352.2	31,900*	60.5	360.2	27,300	63.5	363.4	23,300				135
140	53.4	348.5	30,200*	58.8	357.2	25,600	61.9	360.8	21,700				140
145	51.6	344.6	28,700*	57.1	354.1	24,100	60.2	358.0	20,300				145
150	49.8	340.5	27,200*	55.4	350.7	22,600	58.6	355.0	19,000				150
155	47.8	336.1	25,700*	53.6	347.1	21,300	56.9	351.8	17,800	61.9	356.9	12,100	155
160	45.9	331.3	24,300*	51.8	343.2	20,100	55.1	348.4	16,700	60.3	354.1	11,200	160
165	43.8	326.2	23,000*	50.0	339.1	18,900	53.3	344.7	15,600	58.6	351.1	10,300	165
170	41.7	320.7	21,800*	48.1	334.7	17,800	51.5	340.8	14,700	56.9	347.9	9,500	170
175	39.5	314.8	20,600*	46.1	330.0	16,800	49.7	336.7	13,700	55.2	344.5	8,700	175
180	37.2	308.4	19,500*	44.0	324.9	15,800	47.7	332.2	12,800	53.4	340.8	8,000	180
185	34.7	301.4	18,500*	41.9	319.5	14,900	45.8	327.5	12,000	51.6	336.9	7,300	185
190	32.1	293.7	17,500*	39.7	313.6	14,000	43.7	322.3	11,200	49.7	332.8	6,600	190
195	29.2	285.2	16,600*	37.4	307.3	13,200	41.6	316.8	10,500	47.8	328.3	6,000	195
200	26.1	275.5	15,700*	35.0	300.3	12,400	39.4	310.9	9,800	45.8	323.6	5,400	200
205	22.6	264.2	14,900*	32.3	292.7	11,600	37.0	304.5	9,100	43.8	318.5	4,900	205
210	18.4	250.6	14,100*	29.5	284.3	10,900	34.6	297.4	8,500	41.6	313.0	4,300	210
215	13.0	232.3	13,500*	26.4	274.7	10,200	31.9	289.7	7,800				215
220				23.0	263.6	9,600	29.1	281.1	7,200				220
225				18.9	250.3	9,000	25.9	271.3	6,700				225
230				13.7	232.8	8,300	22.4	260.0	6,100				230
235				3.8	198.6	7,600	18.2	246.2	5,600				235
240							12.6	227.5	5,100				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

185 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	
55	61.2	259.4	104,600*b																55
60	56.4	256.2	99,200*b																60
65	51.2	252.4	94,300*b																65
70	45.7	247.8	89,900*	62.5	258.2	82,400b													70
75	39.5	242.2	85,900*	57.8	255.2	75,200b													75
80	32.4	235.0	79,800	52.7	251.6	69,000b	62.3	256.3	62,500b										80
85	23.3	225.1	73,500	47.3	247.3	63,700	57.5	253.2	57,600b										85
90	5.2	203.8	66,600*	41.3	242.0	59,000	52.4	249.6	53,300b										90
95				34.5	235.3	54,800	47.0	245.2	49,500										95
100				26.1	226.4	51,000	41.0	239.8	46,200	58.4	249.7	37,900b							100
105				13.2	211.5	47,500	34.1	233.1	43,100	53.4	246.2	35,400b							105
110							25.6	223.9	40,300	48.1	241.9	33,100							110
115							12.1	208.4	37,700	42.2	236.8	30,900							115
120										35.5	230.3	29,000	54.0	241.0	22,500b				120
125										27.4	221.8	27,200	48.7	236.9	21,000				125
130										15.7	208.4	25,500	42.8	231.8	19,700				130
135													36.3	225.6	18,400				135
140													28.4	217.3	17,300	48.7	230.0	12,000	140
145													17.3	204.8	16,100	42.8	225.0	11,100	145
150																36.3	218.7	10,300	150
155																28.4	210.4	9,500	155
160																17.3	197.9	8,700	160

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

185 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	65.1	270.7	101,500*b																55
60	61.1	268.0	96,300*b																60
65	56.9	264.9	91,600*b																65
70	52.4	261.2	87,300*	66.2	269.4	81,700b													70
75	47.7	256.9	83,400*	62.2	266.9	74,500b													75
80	42.5	251.8	79,400	58.0	263.9	68,400b	66.0	267.5	61,700b										80
85	36.8	245.5	73,000*	53.7	260.4	63,000	62.0	264.9	56,800b										85
90	30.2	237.7	66,700*	49.0	256.3	58,400	57.8	261.9	52,600b										90
95	21.7	227.0	61,000*	44.0	251.4	54,200	53.4	258.4	48,800										95
100	4.8	204.1	56,400*	38.5	245.5	50,600	48.8	254.2	45,500	62.8	261.3	37,000b							100
105				32.1	238.2	47,200	43.7	249.3	42,500	58.6	258.4	34,500b							105
110				24.3	228.5	44,200	38.2	243.3	39,800	54.3	254.9	32,200							110
115				12.3	212.5	41,400	31.8	235.9	37,300	49.7	250.9	30,100							115
120							23.8	226.0	35,000	44.7	246.1	28,300							120
125							11.3	209.3	32,800	39.3	240.4	26,500	54.8	249.8	20,100				125
130										33.1	233.3	24,900	50.2	245.8	18,800				130
135										25.5	224.1	23,400	45.3	241.1	17,600				135
140										14.6	209.7	21,900	39.9	235.5	16,500				140
145													33.8	228.6	15,400	50.2	238.9	10,200	145
150													26.4	219.7	14,400	45.3	234.2	9,400	150
155													16.2	206.2	13,400	39.9	228.6	8,700	155
160																33.8	221.7	8,000	160
165																26.4	212.8	7,300	165
170																16.1	199.3	6,600	170

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE
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M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

185 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	68.1	281.6	98,500* ^b																55
60	64.6	279.4	93,800* ^b																60
65	61.0	276.7	89,300*																65
70	57.2	273.6	85,100*	69.0	280.3	81,100 ^b													70
75	53.3	270.0	81,300*	65.5	278.1	73,900 ^b													75
80	49.2	265.9	77,800*	62.0	275.6	67,800 ^b													80
85	44.8	261.1	72,200*	58.3	272.6	62,500	65.4	276.2	56,200 ^b										85
90	39.9	255.4	66,000*	54.4	269.2	57,900	61.8	273.6	52,000 ^b										90
95	34.6	248.7	60,500*	50.3	265.2	53,800	58.1	270.6	48,200										95
100	28.3	240.2	55,500*	46.0	260.6	50,100	54.2	267.1	44,900										100
105	20.4	228.7	51,100*	41.3	255.2	46,900	50.1	263.1	42,000	62.5	269.9	33,800 ^b							105
110	4.5	204.4	47,400*	36.1	248.8	43,900	45.8	258.5	39,300	58.8	267.0	31,600							110
115				30.2	240.9	41,200	41.1	253.1	36,800	55.0	263.7	29,500							115
120				22.9	230.5	38,700	35.9	246.6	34,600	50.9	259.8	27,700							120
125				11.5	213.5	36,300	29.8	238.6	32,600	46.6	255.3	26,000							125
130							22.4	228.0	30,600	42.0	250.0	24,400	55.4	258.5	18,100				130
135							10.6	210.2	28,800	36.9	243.7	22,900	51.4	254.7	17,000				135
140										31.1	236.1	21,600	47.1	250.2	15,900				140
145										24.0	226.2	20,300	42.5	245.1	14,900				145
150										13.7	210.8	19,000	37.5	238.9	13,900				150
155													31.8	231.5	13,000	51.4	247.8	8,700	155
160													24.9	221.9	12,100	47.1	243.4	8,000	160
165													15.2	207.5	11,200	42.5	238.2	7,400	165
170																37.5	232.0	6,800	170
175																31.8	224.6	6,200	175
180																24.9	215.0	5,600	180
																15.2	200.6	5,000	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

185 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	70.4	292.4	95,400* ^b																55
60	67.3	290.4	90,900* ^b																60
65	64.1	288.0	86,600*																65
70	60.9	285.4	82,600*																70
75	57.5	282.3	79,000*	68.1	289.1	73,200 ^b													75
80	54.0	278.8	75,600*	65.0	286.8	67,100													80
85	50.3	274.8	71,000*	61.8	284.2	61,800	68.0	287.1	55,300 ^b										85
90	46.5	270.2	65,200*	58.4	281.3	57,200	64.8	284.9	51,100										90
95	42.3	265.0	59,900*	55.0	277.9	53,100	61.6	282.2	47,400										95
100	37.8	258.9	55,100*	51.4	274.0	49,500	58.3	279.3	44,100										100
105	32.7	251.6	50,700*	47.6	269.7	46,200	54.8	275.9	41,200										105
110	26.8	242.6	46,800*	43.5	264.6	43,300	51.2	272.0	38,500	62.2	278.6	30,700							110
115	19.3	230.4	43,300*	39.1	258.8	40,600	47.3	267.6	36,100	58.9	275.7	28,600							115
120	4.2	204.7	40,400*	34.2	251.9	38,200	43.3	262.5	33,900	55.5	272.4	26,800							120
125				28.6	243.4	36,000	38.8	256.6	31,900	51.9	268.6	25,100							125
130				21.6	232.4	33,900	33.9	249.6	30,100	48.1	264.3	23,600							130
135				10.9	214.4	31,900	28.2	241.1	28,300	44.1	259.4	22,200	55.9	267.2	16,000				135
140							21.2	229.8	26,700	39.7	253.6	20,800	52.3	263.5	15,000				140
145							10.0	211.0	25,100	29.4	246.9	19,600	48.5	259.2	14,000				145
150										29.4	238.7	18,400	44.5	254.4	13,000				150
155										22.7	228.2	17,300	40.2	248.8	12,200	52.3	256.6	7,100	155
160										13.0	211.9	16,200	35.5	242.1	11,300	48.5	252.4	6,400	160
165													30.1	234.1	10,600	44.5	247.5	5,800	165
170													23.5	223.9	9,800	40.2	241.9	5,300	170
175													14.3	208.7	9,000	35.5	235.3	4,700	175
180																30.1	227.3	4,200	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

185 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	72.2	303.0	92,600* ^b																55
60	69.4	301.2	88,300* ^b																60
65	66.6	299.1	84,400*																65
70	63.7	296.7	80,600*																70
75	60.8	294.0	77,100*	70.2	299.8	72,500 ^b													75
80	57.7	291.0	73,800*	67.4	297.8	66,400													80
85	54.6	287.5	69,600*	64.5	295.5	61,100													85
90	51.3	283.6	64,300*	61.6	292.9	56,500	67.3	295.9	50,400										90
95	47.8	279.3	59,300*	58.6	289.9	52,400	64.4	293.5	46,700										95
100	44.2	274.3	54,700*	55.5	286.6	48,800	61.5	290.9	43,400										100
105	40.2	268.7	50,500*	52.2	282.9	45,600	58.4	287.9	40,500										105
110	35.9	262.1	46,600*	48.8	278.6	42,700	55.3	284.6	37,900										110
115	31.1	254.4	43,200*	45.2	273.9	40,100	52.0	280.8	35,500	62.0	287.3	27,900							115
120	25.5	244.9	40,100*	41.3	268.4	37,700	48.6	276.6	33,300	59.0	284.4	26,100							120
125	18.3	232.0	37,300*	37.2	262.2	35,500	45.0	271.8	31,300	55.9	281.1	24,400							125
130	4.0	205.0	35,000*	32.5	254.8	33,400	41.1	266.3	29,500	52.7	277.4	22,900							130
135				27.2	245.8	31,500	36.9	260.0	27,800	49.3	273.3	21,500							135
140				20.6	234.2	29,800	32.3	252.5	26,200	45.7	268.6	20,200	56.2	275.9	14,200				140
145				10.4	215.3	28,100	26.9	243.5	24,700	41.9	263.2	19,000	53.0	272.3	13,300				145
150							20.2	231.6	23,300	37.8	257.1	17,800	49.7	268.2	12,300				150
155							9.5	211.8	21,900	33.2	249.9	16,800	46.1	263.6	11,500				155
160										28.0	241.2	15,800	42.3	258.3	10,700	53.0	265.4	5,700	160
165										21.6	230.0	14,800	38.2	252.2	9,900	49.6	261.3	5,100	165
170										12.3	212.9	13,800	33.7	245.2	9,200	46.1	256.7	4,600	170
175													28.6	236.7	8,500	42.3	251.4	4,100	175
180													22.4	225.9	7,800				180
185													13.6	209.9	7,200				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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

185 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.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	73.7	313.5	88,300*													55
60	71.2	311.8	84,400*													60
65	68.7	310.0	80,700*													65
70	66.1	307.8	77,300*													70
75	63.4	305.4	74,000*													75
80	60.7	302.7	71,000*	69.4	308.6	65,600										80
85	57.9	299.6	68,100*	66.8	306.5	60,400										85
90	55.0	296.2	63,500*	64.2	304.2	55,800										90
95	52.0	292.5	58,900*	61.5	301.6	51,700	66.7	304.6	45,900							95
100	48.9	288.3	54,500*	58.7	298.6	48,100	64.0	302.2	42,700							100
105	45.6	283.5	50,500*	55.8	295.3	44,900	61.3	299.6	39,800							105
110	42.2	278.2	46,700*	52.9	291.6	42,000	58.6	296.6	37,100							110
115	38.4	272.2	43,300*	49.8	287.6	39,400	55.7	293.3	34,800							115
120	34.3	265.2	40,200*	46.6	283.0	37,000	52.7	289.6	32,600	61.9	295.9	25,200				120
125	29.7	257.1	37,300*	43.1	277.9	34,900	49.6	285.5	30,600	59.1	293.0	23,600				125
130	24.4	247.0	34,800*	39.5	272.0	32,900	46.4	280.9	28,800	56.3	289.8	22,100				130
135	17.5	233.5	32,500*	35.5	265.4	31,000	43.0	275.7	27,100	53.3	286.2	20,700				135
140	3.8	205.2	30,600*	31.1	257.6	29,300	39.3	269.9	25,600	50.2	282.2	19,400				140
145				26.0	248.1	27,700	35.3	263.2	24,100	47.0	277.7	18,200	56.6	284.6	12,400	145
150				19.7	235.9	26,100	30.8	255.3	22,800	43.6	272.6	17,100	53.6	281.0	11,500	150
155				9.9	216.1	24,600	25.7	245.7	21,500	40.0	266.9	16,100	50.6	277.1	10,700	155
160							19.3	233.3	20,300	36.1	260.4	15,100	47.4	272.6	9,900	160
165							9.1	212.5	19,100	31.7	252.7	14,100	44.0	267.6	9,100	165
170										26.7	243.6	13,300	40.4	262.0	8,400	170
175										20.7	231.9	12,400	36.5	255.6	7,800	175
180										11.8	213.9	11,500	32.2	248.1	7,100	180
185													27.3	239.1	6,500	185
190													21.4	227.8	5,900	190
195													13.0	211.0	5,300	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

185 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
55	75.0	323.9	85,400*													55
60	72.7	322.4	81,800*													60
65	70.4	320.7	78,400*													65
70	68.0	318.7	75,100*													70
75	65.6	316.5	72,100*													75
80	63.2	314.1	69,200*													80
85	60.7	311.3	66,300*	68.7	317.4	60,000										85
90	58.1	308.3	62,000*	66.3	315.2	55,400										90
95	55.4	305.0	57,800*	63.9	312.9	51,400										95
100	52.7	301.3	53,800*	61.4	310.2	47,800	66.2	313.3	42,300							100
105	49.8	297.2	50,000*	58.8	307.3	44,600	63.7	310.9	39,400							105
110	46.9	292.6	46,400*	56.2	304.0	41,700	61.2	308.2	36,800							110
115	43.7	287.6	43,100*	53.5	300.4	39,100	58.7	305.3	34,400							115
120	40.4	281.9	40,100*	50.6	296.4	36,800	56.0	302.0	32,300							120
125	36.8	275.5	37,300*	47.7	292.0	34,600	53.3	298.4	30,300	61.7	304.6	23,200				125
130	32.9	268.2	34,800*	44.6	287.1	32,600	50.5	294.4	28,500	59.2	301.7	21,800				130
135	28.5	259.6	32,400*	41.4	281.7	30,800	47.5	289.9	26,900	56.5	298.5	20,400				135
140	23.4	249.1	30,300*	37.9	275.5	29,100	44.5	285.0	25,300	53.8	294.9	19,100				140
145	16.8	235.0	28,500*	34.0	268.4	27,500	41.2	279.5	23,900	51.0	291.0	17,900				145
150	3.6	205.5	26,900*	29.8	260.2	26,000	37.7	273.3	22,600	48.1	286.7	16,800	56.8	293.3	11,200	150
155				24.9	250.3	24,600	33.8	266.2	21,300	45.1	281.8	15,800	54.1	289.8	10,300	155
160				18.9	237.5	23,300	29.6	257.9	20,100	41.8	276.5	14,800	51.3	285.9	9,600	160
165				9.5	216.9	22,000	24.6	247.9	19,000	38.4	270.4	13,900	48.4	281.6	8,800	165
170							18.5	234.9	18,000	34.6	263.5	13,100	45.4	276.8	8,200	170
175							8.7	213.3	16,900	30.4	255.5	12,200	42.2	271.5	7,500	175
180										25.7	245.9	11,500	38.7	265.5	6,900	180
185										19.8	233.6	10,700	35.0	258.7	6,300	185
190										11.3	214.9	9,900	30.9	250.9	5,800	190
195													26.2	241.4	5,200	195
200													20.5	229.5	4,700	200
205													12.5	212.0	4,100	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

185 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	74.0	332.9	78,900*													60
65	71.9	331.3	75,800*													65
70	69.7	329.5	72,800*													70
75	67.5	327.5	69,900*													75
80	65.2	325.2	67,200*													80
85	62.9	322.7	63,800*	70.3	328.1	59,300										85
90	60.6	320.0	60,000*	68.1	326.1	54,700										90
95	58.2	317.0	56,300*	65.9	324.0	50,700										95
100	55.8	313.7	52,700*	63.6	321.5	47,100	68.0	324.2	41,500							100
105	53.2	310.0	49,200*	61.3	318.9	43,900	65.7	322.0	38,600							105
110	50.6	306.0	45,900*	58.9	315.9	41,100	63.5	319.6	36,000							110
115	47.9	301.6	42,800*	56.5	312.7	38,500	61.1	316.9	33,700							115
120	45.0	296.8	39,900*	53.9	309.2	36,100	58.8	313.9	31,500							120
125	42.0	291.5	37,200*	51.4	305.3	34,000	56.3	310.7	29,600							125
130	38.9	285.5	34,700*	48.7	301.0	32,000	53.8	307.1	27,800	61.6	313.3	20,900				130
135	35.4	278.7	32,400*	45.9	296.3	30,200	51.2	303.2	26,200	59.2	310.4	19,600				135
140	31.7	271.1	30,300*	42.9	291.1	28,500	48.5	298.9	24,600	56.8	307.2	18,300				140
145	27.5	262.0	28,300*	39.8	285.3	26,900	45.7	294.2	23,200	54.3	303.7	17,100				145
150	22.5	251.1	26,600*	36.4	278.8	25,400	42.7	289.0	21,900	51.7	299.8	16,000				150
155	16.2	236.4	25,000*	32.8	271.4	24,100	39.6	283.1	20,700	49.0	295.6	15,000	57.1	302.0	9,500	155
160	3.4	205.8	23,700*	28.7	262.8	22,800	36.2	276.6	19,500	46.3	291.0	14,100	54.6	298.5	8,700	160
165				24.0	252.5	21,600	32.5	269.1	18,400	43.3	285.8	13,200	52.0	294.7	8,000	165
170				18.2	239.1	20,400	28.5	260.5	17,400	40.2	280.1	12,300	49.3	290.5	7,300	170
175				9.1	217.6	19,300	23.7	250.0	16,400	36.9	273.7	11,600	46.6	285.9	6,700	175
180							17.8	236.4	15,500	33.3	266.5	10,800	43.6	280.9	6,100	180
185							8.3	213.9	14,500	29.3	258.1	10,100	40.6	275.2	5,500	185
190										24.7	248.0	9,400	37.3	268.9	5,000	190
195										19.1	235.2	8,700	33.7	261.8	4,500	195
200										10.8	215.8	8,000	29.7	253.5	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
THE SCOPE OF ANSI B30.5

M-250

**NEW YORK CITY CODE
FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
167,000 LB. COUNTERWEIGHT
360 DEGREE RATING**

185 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 CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACI TY POUNDS	
60	75.1	343.3	74,900*													60
65	73.1	341.8	72,700*													65
70	71.1	340.1	70,100*													70
75	69.1	338.3	67,300*													75
80	67.0	336.2	64,300*													80
85	64.9	333.9	61,200*													85
90	62.8	331.4	57,900*	69.6	336.9	54,000										90
95	60.6	328.7	54,700*	67.6	334.9	50,000										95
100	58.3	325.6	51,400*	65.5	332.7	46,500										100
105	56.1	322.4	48,200*	63.3	330.2	43,300	67.5	332.9	37,900							105
110	53.7	318.8	45,200*	61.2	327.5	40,400	65.4	330.7	35,400							110
115	51.3	314.9	42,300*	59.0	324.6	37,800	63.2	328.2	33,000							115
120	48.8	310.6	39,600*	56.7	321.4	35,500	61.1	325.6	30,900							120
125	46.2	305.9	37,000*	54.4	317.9	33,300	58.8	322.6	28,900							125
130	43.4	300.8	34,600*	52.0	314.1	31,400	56.6	319.4	27,200							130
135	40.5	295.2	32,400*	49.5	309.9	29,600	54.2	315.9	25,500	61.5	321.9	18,900				135
140	37.5	288.9	30,300*	46.9	305.4	27,900	51.8	312.0	24,000	59.3	319.0	17,600				140
145	34.2	281.8	28,400*	44.2	300.4	26,300	49.3	307.9	22,600	57.0	315.9	16,400				145
150	30.6	273.8	26,600*	41.4	294.9	24,900	46.8	303.3	21,300	54.7	312.4	15,400				150
155	26.5	264.4	25,000*	38.4	288.8	23,500	44.1	298.3	20,100	52.3	308.6	14,400				155
160	21.7	253.0	23,600*	35.1	282.0	22,300	41.2	292.7	18,900	49.8	304.5	13,400	57.3	310.7	8,000	160
165	15.6	237.7	22,200*	31.6	274.2	21,100	38.2	286.6	17,900	47.3	300.0	12,500	54.9	307.2	7,300	165
170	3.3	206.0	21,100*	27.7	265.3	19,900	34.9	279.7	16,900	44.6	295.1	11,700	52.6	303.5	6,600	170
175				23.1	254.5	18,900	31.4	272.0	15,900	41.8	289.7	10,900	50.1	299.4	6,000	175
180				17.5	240.6	17,900	27.5	262.9	15,000	38.8	283.7	10,200	47.5	295.0	5,400	180
185				8.8	218.4	16,800	22.9	252.0	14,100	35.6	277.0	9,500	44.9	290.1	4,900	185
190							17.2	237.9	13,300	32.1	269.4	8,800	42.1	284.7	4,400	190
195							8.0	214.6	12,400	28.3	260.6	8,200				195
200										23.8	250.1	7,600				200
205										18.4	236.8	6,900				205
210										10.5	216.7	6,300				210