

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**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 RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*). CAPACITIES INDICATED BY (b) REQUIRE 4,800 LB. MINIMUM BLOCK WEIGHT.

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

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 RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH GANTRY UP. DURING OPERATION, BOOM MUST BE MAINTAINED AT ONE OF THE SELECTED ANGLES SHOWN IN CHART. REFER TO 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. 7718-A FOR LIFTING OFF MAIN BOOM POINT WITH LUFFING JIB ATTACHED.

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M-250

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																60
65	53.8	162.5	91,500*	60.4	166.4	104,700*	64.1	167.8	106,200b													65
70	49.1	158.4	85,100*	56.2	163.2	98,900*	60.0	165.1	96,600													70
75	44.1	153.5	79,900*	51.7	159.4	90,500	55.8	161.8	88,400	62.1	164.2	84,900b										75
80	38.6	147.6	75,400*	46.9	155.0	83,400	51.3	158.0	81,400	57.9	161.2	78,100										80
85	32.3	140.4	71,500*	41.7	149.7	77,200	46.4	153.5	75,400	53.5	157.7	72,300										85
90	24.5	130.7	66,900*	35.8	143.3	71,700	41.2	148.1	70,100	48.8	153.5	67,200	55.5	156.4	64,500							90
95	12.7	115.1	61,900*	29.0	135.1	66,900	35.3	141.5	65,400	43.8	148.6	62,800	50.9	152.5	60,200							95
100				20.0	123.6	62,600	28.3	133.2	61,200	38.3	142.7	58,800	46.1	148.0	56,300	52.7	150.6	53,900				100
105										31.9	135.3	55,200	40.8	142.5	52,900	48.0	146.3	50,600				105
110										24.0	125.5	51,900	34.8	135.8	49,800	42.9	141.2	47,700				110
115										11.6	109.0	48,800	27.7	127.3	46,900	37.2	135.1	45,000	44.6	138.8	43,000	115
120													18.2	115.0	44,300	30.7	127.4	42,500	39.1	133.0	40,700	120
125																22.4	116.9	40,200	32.9	125.9	38,500	125
130																7.6	97.0	38,000	25.3	116.6	36,500	130
135																			14.2	101.9	34,600	135

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M-250

**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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	72.5	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*	67.5	180.1	108,900*b																60
65	58.4	174.6	91,500*	64.0	177.8	102,300*	67.2	178.9	105,800b													65
70	54.5	171.2	84,900*	60.4	175.1	96,600*	63.7	176.5	96,200													70
75	50.4	167.3	79,300*	56.6	171.9	90,200	60.0	173.7	88,000													75
80	46.1	162.7	74,600*	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*	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*	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*	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*	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*	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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M-250

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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M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.8	205.0	115,400*																			45
50	73.0	203.5	108,200*																			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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.5	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 IN
THE SCOPE OF ANSI B30.5

M-250

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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.7	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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.6	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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.7	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	57.6	217.2	39,200							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	55.3	213.8	37,100							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	53.0	210.2	35,200							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	50.5	206.1	33,400							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	48.0	201.8	31,800	51.5	204.2	30,000				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	45.3	196.9	30,300	49.0	200.0	28,600				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	42.5	191.7	28,900	46.4	195.3	27,300				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	39.6	185.8	27,600	43.6	190.2	26,000	47.2	192.7	24,500	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	36.5	179.3	26,300	40.8	184.6	24,800	44.5	187.8	23,300	165
170				20.4	147.4	28,200	20.4	147.4	28,200	27.5	162.3	26,600	33.1	172.0	25,200	37.7	178.4	23,700	41.7	182.3	22,300	170
175				13.6	130.6	26,800*	13.6	130.6	26,800*	23.0	151.5	25,500	29.3	163.6	24,100	34.4	171.4	22,600	38.7	176.3	21,300	175
180										17.3	137.4	24,400	25.1	153.6	23,000	30.8	163.4	21,700	35.5	169.6	20,300	180
185										8.3	114.5	23,300	20.0	141.3	22,000	26.8	154.2	20,700	32.0	162.0	19,400	185
190													13.1	123.9	21,000	22.1	142.9	19,800	28.2	153.2	18,600	190
195																16.1	128.1	18,900	23.7	142.7	17,800	195
200																5.3	100.4	18,100	18.2	129.3	17,000	200
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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.8	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	57.8	225.9	36,600							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	55.6	222.5	34,700							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	53.4	218.9	32,900							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	51.1	215.0	31,300							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	48.8	210.7	29,800	52.0	213.0	28,100				150
155	30.6	179.1	29,100*	35.7	189.9	31,900*	38.5	195.0	31,800	42.6	201.5	30,100	46.3	206.1	28,400	49.7	208.9	26,700				155
160	26.9	169.9	27,400*	32.5	182.4	30,100*	35.5	188.2	30,400	39.9	195.7	28,700	43.8	201.0	27,100	47.3	204.4	25,500				160
165	22.5	158.7	25,800*	29.0	173.8	28,400*	32.2	180.6	29,100	37.0	189.3	27,400	41.1	195.4	25,800	44.8	199.5	24,300				165
170	17.1	144.5	24,300*	24.9	163.8	26,800*	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	170
175	8.8	121.9	21,500*	20.2	151.5	25,200*	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	175
180				13.9	134.7	23,700*	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	180
185							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	185
190										16.7	138.9	22,000	24.3	155.8	20,700	29.8	166.1	19,400	34.3	172.7	18,100	190
195										8.0	115.1	21,000	19.3	143.0	19,800	25.9	156.5	18,500	31.0	164.7	17,300	195
200													12.6	125.0	18,900	21.4	144.8	17,700	27.2	155.6	16,500	200
205																15.6	129.4	16,900	22.9	144.7	15,800	205
210																5.2	100.8	16,100	17.6	130.8	15,100	210
215																			9.8	109.6	14,400	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.7	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	66,100*																85
90	64.9	252.1	61,400*	67.7	254.3	63,500*																90
95	63.0	249.6	58,900*	65.9	252.1	61,900*	67.6	253.1	61,800													95
100	61.1	246.9	56,600*	64.0	249.7	59,300*	65.7	250.9	57,800													100
105	59.1	244.0	54,000*	62.1	247.1	55,800	63.9	248.5	54,100													105
110	57.1	240.8	50,200*	60.2	244.3	52,400	62.0	245.9	50,900													110
115	55.1	237.4	46,900*	58.2	241.3	49,400	60.0	243.0	47,900	62.9	244.9	45,500										115
120	53.0	233.7	43,900*	56.2	238.0	46,600	58.0	240.0	45,200	61.0	242.2	42,900										120
125	50.9	229.7	41,100*	54.1	234.5	44,100	56.0	236.7	42,800	59.0	239.2	40,500										125
130	48.6	225.4	38,600*	52.0	230.7	41,800	54.0	233.1	40,500	57.0	236.0	38,400										130
135	46.3	220.8	36,400*	49.8	226.6	39,700	51.8	229.3	38,500	55.0	232.6	36,400	57.9	234.6	34,400							135
140	43.9	215.7	34,300*	47.6	222.1	37,600*	49.6	225.1	36,500	52.9	228.9	34,600	55.9	231.2	32,700							140
145	41.4	210.2	32,400*	45.2	217.3	35,400*	47.4	220.6	34,800	50.7	224.9	32,900	53.8	227.7	31,000							145
150	38.8	204.2	30,600*	42.8	212.0	33,400*	45.0	215.8	33,100	48.5	220.6	31,300	51.7	223.8	29,500							150
155	36.0	197.5	29,000*	40.2	206.3	31,600*	42.6	210.5	31,600	46.2	215.9	29,900	49.5	219.6	28,100	52.5	221.8	26,500				155
160	33.0	190.1	27,300*	37.5	200.0	29,900*	40.0	204.7	30,200	43.8	210.8	28,500	47.2	215.1	26,800	50.4	217.7	25,200				160
165	29.7	181.8	25,800*	34.6	193.0	28,300*	37.3	198.3	28,800	41.3	205.3	27,200	44.9	210.2	25,600	48.1	213.4	24,000				165
170	26.0	172.2	24,400*	31.5	185.2	26,700*	34.4	191.3	27,600	38.6	199.2	26,000	42.4	204.9	24,500	45.8	208.6	22,900				170
175	21.8	160.7	23,000*	28.1	176.3	25,200*	31.2	183.4	26,400	35.8	192.6	24,900	39.8	199.1	23,400	43.4	203.5	21,900	46.5	206.1	20,500	175
180	16.6	145.9	21,600*	24.2	165.9	23,800*	27.7	174.4	25,200*	32.8	185.1	23,800	37.1	192.7	22,300	40.8	197.9	20,900	44.2	201.0	19,600	180
185	8.5	122.6	19,100*	19.6	153.2	22,400*	23.8	163.8	23,700*	29.5	176.7	22,800	34.2	185.6	21,400	38.2	191.7	20,000	41.7	195.6	18,700	185
190				13.5	135.8	21,100*	19.1	150.8	22,400*	25.8	167.0	21,800	31.0	177.6	20,500	35.3	184.9	19,100	39.0	189.6	17,900	190
195							12.8	132.8	21,000*	21.5	155.3	20,900	27.5	168.5	19,600	32.2	177.3	18,300	36.2	183.0	17,100	195
200										16.2	140.3	20,000	23.5	157.8	18,800	28.9	168.7	17,500	33.3	175.7	16,300	200
205										7.7	115.8	19,100	18.7	144.6	18,000	25.1	158.7	16,800	30.0	167.4	15,600	205
210													12.2	126.0	17,200	20.7	146.6	16,000	26.4	157.9	14,900	210
215																15.1	130.7	15,300	22.2	146.6	14,300	215
220																5.0	101.2	14,600	17.1	132.3	13,600	220
225																			9.5	110.4	13,000	225

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.8	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	59,700*	69.0	265.1	60,600*																90
95	64.6	260.8	57,300*	67.3	263.0	58,600*																95
100	62.8	258.3	55,000*	65.6	260.8	57,000*	67.2	261.8	57,300													100
105	61.0	255.6	52,900*	63.8	258.4	55,400	65.4	259.6	53,700													105
110	59.2	252.6	49,700*	62.0	255.8	52,000	63.6	257.1	50,400													110
115	57.3	249.5	46,300*	60.2	253.0	49,000	61.8	254.5	47,500													115
120	55.4	246.1	43,300*	58.3	250.0	46,200	60.0	251.7	44,800	62.7	253.5	42,400										120
125	53.4	242.5	40,600*	56.4	246.7	43,700	58.2	248.6	42,300	60.9	250.8	40,100										125
130	51.4	238.6	38,100*	54.5	243.2	41,400	56.3	245.4	40,100	59.1	247.9	37,900										130
135	49.3	234.4	35,800*	52.5	239.5	39,300	54.3	241.9	38,000	57.2	244.7	35,900										135
140	47.2	229.8	33,800*	50.4	235.4	37,100*	52.3	238.1	36,100	55.3	241.3	34,100	58.0	243.2	32,100							140
145	44.9	224.9	31,900*	48.3	231.1	34,900*	50.3	234.0	34,300	53.3	237.7	32,400	56.1	239.9	30,500							145
150	42.6	219.7	30,100*	46.2	226.4	32,900*	48.1	229.6	32,700	51.3	233.8	30,900	54.2	236.4	29,000							150
155	40.2	213.9	28,400*	43.9	221.3	31,000*	46.0	224.9	31,200	49.2	229.5	29,400	52.2	232.6	27,600							155
160	37.6	207.6	26,900*	41.5	215.8	29,300*	43.7	219.8	29,800	47.0	225.0	28,000	50.1	228.5	26,300	53.0	230.6	24,700				160
165	34.9	200.7	25,500*	39.0	209.8	27,800*	41.3	214.3	28,400	44.8	220.1	26,800	48.0	224.1	25,100	50.9	226.6	23,500				165
170	32.0	193.0	24,100*	36.4	203.3	26,300*	38.8	208.2	27,200	42.5	214.7	25,600	45.8	219.4	24,000	48.8	222.3	22,400				170
175	28.8	184.4	22,700*	33.6	196.0	24,900*	36.2	201.6	26,000	40.0	209.0	24,400	43.5	214.2	22,900	46.7	217.7	21,400				175
180	25.3	174.4	21,400*	30.6	187.9	23,500*	33.3	194.3	24,800*	37.5	202.6	23,400	41.1	208.7	21,900	44.4	212.7	20,400	47.4	215.1	19,100	180
185	21.2	162.5	20,200*	27.2	178.7	22,200*	30.3	186.1	23,500*	34.8	195.7	22,400	38.6	202.6	20,900	42.1	207.3	19,500	45.1	210.2	18,200	185
190	16.1	147.3	19,000*	23.5	168.0	21,000*	26.9	176.8	22,200*	31.8	188.0	21,400	36.0	195.9	20,000	39.6	201.5	18,700	42.8	205.0	17,400	190
195	8.3	123.3	16,800*	19.0	154.8	19,800*	23.1	165.9	20,900*	28.6	179.2	20,500	33.2	188.6	19,200	37.0	195.1	17,800	40.4	199.3	16,600	195
200				13.1	137.0	18,600*	18.5	152.4	19,700*	25.0	169.2	19,600	30.1	180.3	18,300	34.3	188.0	17,100	37.9	193.0	15,800	200
205							12.4	133.9	18,500*	20.9	157.1	18,800	26.7	170.9	17,600	31.3	180.1	16,300	35.2	186.2	15,100	205
210										15.7	141.6	18,000	22.8	159.9	16,800	28.0	171.2	15,600	32.3	178.6	14,400	210
215										7.5	116.4	17,200	18.2	146.2	16,100	24.4	160.8	14,900	29.1	170.0	13,800	215
220													11.9	127.0	15,400	20.1	148.4	14,300	25.6	160.2	13,200	220
225																14.7	132.0	13,600	21.6	148.5	12,600	225
230																4.8	101.6	13,000	16.6	133.7	12,000	230
235																			9.3	111.2	11,400	235

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.7	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	55,600*																95
100	64.4	269.5	53,700*	66.9	271.8	54,100*																100
105	62.7	266.9	51,600*	65.3	269.5	50,600*	66.8	270.5	53,200													105
110	61.0	264.2	49,200*	63.6	267.1	50,000*	65.1	268.3	50,000													110
115	59.2	261.3	45,800*	61.9	264.5	48,600	63.5	265.8	47,000													115
120	57.5	258.2	42,800*	60.2	261.7	45,800	61.7	263.2	44,400													120
125	55.6	254.8	40,100*	58.4	258.7	43,300	60.0	260.3	41,900	62.6	262.2	39,600										125
130	53.8	251.2	37,600*	56.6	255.4	41,000	58.3	257.3	39,700	60.9	259.5	37,500										130
135	51.9	247.4	35,400*	54.8	252.0	38,900	56.5	254.1	37,600	59.1	256.5	35,500										135
140	49.9	243.3	33,300*	52.9	248.3	36,600*	54.6	250.6	35,700	57.3	253.4	33,700										140
145	47.9	238.8	31,400*	51.0	244.3	34,400*	52.7	246.9	33,900	55.5	250.0	32,000										145
150	45.8	234.1	29,600*	49.0	240.0	32,400*	50.8	242.9	32,300	53.7	246.4	30,400	56.3	248.6	28,600							150
155	43.7	229.0	28,000*	47.0	235.5	30,500*	48.8	238.6	30,800	51.8	242.6	29,000	54.5	245.1	27,200							155
160	41.4	223.5	26,400*	44.8	230.5	28,800*	46.8	234.0	29,400	49.8	238.4	27,600	52.6	241.4	25,900							160
165	39.1	217.5	25,000*	42.6	225.3	27,300*	44.7	229.0	28,000	47.8	234.0	26,300	50.7	237.4	24,700							165
170	36.6	210.9	23,700*	40.4	219.5	25,800*	42.4	223.7	26,800	45.7	229.2	25,200	48.7	233.1	23,600	51.4	235.4	22,000				170
175	34.0	203.8	22,400*	37.9	213.3	24,400*	40.1	217.9	25,600	43.5	224.1	24,000	46.6	228.5	22,500	49.5	231.2	21,000				175
180	31.1	195.8	21,200*	35.4	206.5	23,100*	37.7	211.7	24,300*	41.3	218.5	23,000	44.5	223.5	21,500	47.4	226.7	20,000				180
185	28.0	186.9	20,000*	32.7	199.0	21,900*	35.2	204.8	23,000*	38.9	212.5	22,000	42.3	218.1	20,500	45.3	221.9	19,100				185
190	24.6	176.6	18,800*	29.7	190.6	20,700*	32.4	197.2	21,800*	36.4	205.9	21,000	40.0	212.3	19,600	43.2	216.7	18,200	46.0	219.4	16,900	190
195	20.6	164.3	17,700*	26.5	181.1	19,500*	29.5	188.7	20,600*	33.8	198.7	20,100	37.6	206.0	18,800	40.9	211.1	17,400	43.9	214.3	16,100	195
200	15.6	148.7	16,700*	22.8	170.0	18,400*	26.2	179.1	19,500*	30.9	190.7	19,300	35.0	199.1	17,900	38.5	205.0	16,700	41.6	208.8	15,400	200
205	8.0	124.0	14,600*	18.5	156.4	17,300*	22.5	167.8	18,400*	27.8	181.7	18,500	32.2	191.5	17,200	36.0	198.3	15,900	39.3	202.9	14,700	205
210				12.7	138.0	16,300*	18.0	154.0	17,300*	24.4	171.3	17,700	29.3	182.9	16,400	33.3	191.0	15,200	36.8	196.4	14,000	210
215							12.1	134.9	16,200*	20.3	158.9	16,900	26.0	173.2	15,700	30.4	182.8	14,500	34.2	189.3	13,400	215
220										15.3	143.0	16,200	22.2	161.8	15,100	27.3	173.6	13,900	31.4	181.4	12,800	220
225										7.3	117.0	15,500	17.7	147.7	14,400	23.7	162.9	13,300	28.3	172.5	12,200	225
230													11.6	128.0	13,700	19.6	150.1	12,700	24.9	162.4	11,600	230
235																14.3	133.2	12,100	21.0	150.4	11,100	235
240																4.7	101.9	11,500	16.1	135.1	10,600	240
245																			9.0	112.0	10,000	245

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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	51,200*																100
105	64.2	278.2	49,700*	66.6	280.5	50,200*	68.0	281.4	52,800													105
110	62.6	275.6	47,200*	65.0	278.2	49,300*	66.5	279.3	49,500													110
115	60.9	272.9	44,800*	63.4	275.8	48,100	64.9	277.0	46,600													115
120	59.3	270.0	42,300*	61.8	273.1	45,400	63.3	274.5	43,900													120
125	57.6	266.8	39,600*	60.2	270.3	42,900	61.7	271.8	41,500													125
130	55.9	263.5	37,100*	58.5	267.3	40,600	60.0	269.0	39,200	62.5	270.9	37,000										130
135	54.1	260.0	34,800*	56.8	264.1	38,400*	58.3	266.0	37,200	60.8	268.1	35,000										135
140	52.3	256.2	32,700*	55.1	260.7	36,000*	56.6	262.8	35,300	59.2	265.2	33,200										140
145	50.5	252.1	30,800*	53.3	257.0	33,800*	54.9	259.3	33,500	57.5	262.1	31,500										145
150	48.6	247.8	29,000*	51.5	253.1	31,800*	53.1	255.6	31,900	55.8	258.7	30,000										150
155	46.6	243.2	27,400*	49.6	248.9	30,000*	51.3	251.7	30,300	54.0	255.2	28,500	56.5	257.3	26,700							155
160	44.6	238.2	25,900*	47.7	244.5	28,300*	49.4	247.5	28,900	52.2	251.4	27,100	54.8	253.9	25,400							160
165	42.5	232.9	24,500*	45.7	239.7	26,700*	47.5	243.0	27,600	50.3	247.3	25,900	53.0	250.2	24,200							165
170	40.3	227.1	23,100*	43.6	234.6	25,200*	45.5	238.2	26,400	48.4	243.0	24,700	51.2	246.2	23,100							170
175	38.0	220.9	21,900*	41.5	229.1	23,900*	43.5	233.0	25,100*	46.5	238.3	23,600	49.3	242.0	22,000	51.9	244.2	20,500				175
180	35.6	214.2	20,700*	39.3	223.1	22,600*	41.3	227.5	23,800*	44.5	233.3	22,500	47.4	237.5	21,000	50.0	240.1	19,500				180
185	33.1	206.7	19,600*	36.9	216.6	21,400*	39.1	221.5	22,500*	42.4	228.0	21,500	45.4	232.7	20,000	48.1	235.7	18,600				185
190	30.3	198.5	18,500*	34.5	209.6	20,200*	36.7	215.0	21,300*	40.2	222.2	20,600	43.3	227.5	19,100	46.2	231.0	17,700				190
195	27.3	189.3	17,400*	31.8	201.8	19,200*	34.2	207.9	20,200*	37.9	216.0	19,700	41.2	221.9	18,300	44.1	226.0	16,900	46.8	228.4	15,600	195
200	23.9	178.7	16,400*	29.0	193.2	18,100*	31.6	200.0	19,100*	35.5	209.2	18,800	38.9	215.9	17,500	42.0	220.6	16,200	44.8	223.5	14,900	200
205	20.1	166.1	15,400*	25.8	183.4	17,100*	28.7	191.3	18,000*	32.9	201.7	18,000	36.6	209.3	16,700	39.8	214.7	15,400	42.7	218.2	14,200	205
210	15.2	150.0	14,500*	22.2	171.9	16,100*	25.5	181.4	17,000*	30.1	193.4	17,300	34.1	202.2	16,000	37.5	208.4	14,700	40.5	212.5	13,500	210
215	7.8	124.6	12,600*	18.0	158.0	15,100*	21.9	169.8	16,000*	27.1	184.1	16,500	31.4	194.3	15,300	35.1	201.5	14,100	38.2	206.3	12,900	215
220				12.4	139.1	14,100*	17.6	155.5	15,000*	23.7	173.4	15,800	28.5	185.5	14,600	32.4	193.9	13,400	35.9	199.6	12,300	220
225							11.8	135.9	14,100*	19.8	160.6	15,200	25.3	175.4	14,000	29.6	185.5	12,800	33.3	192.3	11,700	225
230										14.9	144.3	14,500	21.6	163.7	13,400	26.6	176.0	12,200	30.6	184.1	11,200	230
235										7.1	117.6	13,600*	17.2	149.2	12,800	23.1	165.0	11,700	27.6	175.0	10,600	235
240													11.3	129.0	12,200	19.1	151.7	11,100	24.3	164.5	10,100	240
245																13.9	134.4	10,600	20.4	152.2	9,600	245
250																4.6	102.3	10,000	15.7	136.5	9,100	250
255																			8.8	112.7	8,600	255

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**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				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	42.0	138.1	42,000	115
120																22.3	122.1	41,700	35.3	131.6	39,700	120
125																			27.2	123.0	37,600	125
130																			15.3	109.4	35,500	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																60
65	54.1	172.7	98,600*	61.4	177.0	107,400*b	65.5	178.5	105,400b													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				105
110							8.4	116.7	53,500	28.3	140.6	51,200	39.0	150.0	48,700	47.3	154.6	46,300				110
115										19.1	128.7	48,200	32.7	142.8	45,900	42.1	149.4	43,700				115
120													25.1	133.4	43,400	36.3	143.1	41,300	44.6	147.5	39,200	120
125													13.8	118.5	41,000	29.5	135.0	39,100	39.1	141.7	37,100	125
130																20.8	123.9	37,000	32.9	134.6	35,100	130
135																			25.3	125.2	33,300	135
140																			14.2	110.6	31,600	140

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	72.7	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				120
125										17.9	130.2	42,900	30.8	145.6	40,800	39.5	153.0	38,700	46.5	156.6	36,700	125
130													23.6	135.5	38,700	34.1	146.1	36,700	41.9	151.3	34,800	130
135													13.0	119.6	36,700	27.8	137.5	34,900	36.8	145.0	33,000	135
140																19.6	125.6	33,100	30.9	137.3	31,400	140
145																			23.8	127.3	29,800	145
150																			13.4	111.7	28,400	150

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.5	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 IN
THE SCOPE OF ANSI B30.5

M-250

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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.9	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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.7	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 IN
THE SCOPE OF ANSI B30.5

M-250

**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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.9	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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.8	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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.8	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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.9	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	73,900*																80
85	65.3	253.5	66,500*	68.7	256.0	70,600*																85
90	63.3	251.1	63,800*	66.7	253.9	67,600*																90
95	61.3	248.4	61,200*	64.8	251.6	63,600	66.8	252.8	61,500													95
100	59.2	245.5	58,800*	62.8	249.1	59,400	64.8	250.5	57,500													100
105	57.1	242.4	54,500*	60.7	246.3	55,700	62.8	248.0	53,900													105
110	54.9	238.9	50,800*	58.6	243.3	52,400	60.7	245.2	50,600													110
115	52.7	235.2	47,400*	56.5	240.1	49,400	58.7	242.2	47,700	62.1	244.6	44,900										115
120	50.4	231.2	44,400*	54.3	236.6	46,600	56.5	239.0	45,000	60.0	241.8	42,400										120
125	48.0	226.8	41,600*	52.1	232.8	44,100	54.3	235.5	42,600	57.9	238.7	40,000										125
130	45.6	222.0	39,100*	49.7	228.7	41,800	52.1	231.7	40,300	55.8	235.4	37,900										130
135	43.0	216.8	36,800*	47.3	224.2	39,700	49.8	227.6	38,300	53.6	231.8	36,000	57.1	234.3	33,700							135
140	40.2	211.1	34,700*	44.8	219.3	37,700	47.4	223.1	36,400	51.3	227.9	34,200	54.9	230.8	32,000							140
145	37.4	204.8	32,800*	42.2	213.9	35,900	44.9	218.2	34,600	49.0	223.6	32,500	52.7	227.1	30,400							145
150	34.3	197.7	31,000*	39.4	208.0	34,200*	42.2	212.9	33,000	46.5	219.0	30,900	50.4	223.1	28,900							150
155	30.9	189.7	29,400*	36.5	201.5	32,300*	39.5	207.0	31,500	44.0	214.0	29,500	48.0	218.7	27,600	51.7	221.4	25,700				155
160	27.1	180.5	27,700*	33.3	194.2	30,600*	36.5	200.5	30,100	41.3	208.5	28,100	45.5	213.9	26,300	49.3	217.3	24,400				160
165	22.8	169.6	26,100*	29.9	185.9	29,000*	33.4	193.2	28,700	38.5	202.4	26,900	43.0	208.7	25,100	46.9	212.7	23,300				165
170	17.5	155.6	24,600*	26.0	176.3	27,400*	29.9	184.9	27,500	35.5	195.6	25,700	40.2	203.0	23,900	44.4	207.7	22,200				170
175	9.6	134.2	22,100*	21.4	164.7	25,800*	26.0	175.3	26,300	32.2	188.0	24,600	37.3	196.6	22,900	41.7	202.3	21,200	45.6	205.6	19,600	175
180				15.7	149.4	24,300*	21.5	163.7	25,100	28.6	179.4	23,500	34.2	189.6	21,900	39.0	196.3	20,300	43.0	200.4	18,700	180
185				5.4	121.3	21,900*	15.8	148.5	24,100	24.6	169.2	22,500	30.9	181.6	20,900	36.0	189.7	19,400	40.3	194.7	17,900	185
190							5.7	120.9	22,700*	19.7	156.6	21,500	27.1	172.4	20,000	32.8	182.2	18,500	37.4	188.4	17,100	190
195										13.3	139.2	20,600	22.8	161.5	19,100	29.2	173.8	17,700	34.3	181.4	16,300	195
200													17.5	147.5	18,300	25.3	163.9	16,900	31.0	173.4	15,600	200
205													9.6	126.0	17,500	20.6	151.8	16,200	27.2	164.2	14,900	205
210																14.5	135.5	15,500	22.9	153.3	14,200	210
215																			17.6	139.5	13,600	215
220																			9.8	118.3	12,900	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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 POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.8	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	67,400*																85
90	65.0	262.2	62,300*	68.2	264.7	64,800*																90
95	63.1	259.8	59,800*	66.3	262.6	63,200*																95
100	61.2	257.1	57,400*	64.5	260.3	59,200	66.4	261.5	57,200													100
105	59.3	254.2	54,200*	62.6	257.7	55,400	64.5	259.2	53,600													105
110	57.3	251.0	50,500*	60.7	255.0	52,100	62.6	256.6	50,300													110
115	55.2	247.6	47,100*	58.7	252.0	49,100	60.7	253.9	47,400													115
120	53.2	244.0	44,100*	56.7	248.8	46,300	58.7	250.9	44,700	62.0	253.2	42,100										120
125	51.0	240.0	41,300*	54.7	245.3	43,800	56.7	247.7	42,300	60.0	250.4	39,800										125
130	48.8	235.7	38,800*	52.5	241.6	41,500	54.7	244.2	40,100	58.1	247.4	37,600										130
135	46.5	231.1	36,500*	50.4	237.5	39,400	52.6	240.5	38,000	56.0	244.1	35,700										135
140	44.1	226.1	34,400*	48.1	233.2	37,500	50.4	236.5	36,100	54.0	240.5	33,900	57.3	242.9	31,700							140
145	41.6	220.6	32,500*	45.8	228.4	35,700	48.2	232.1	34,400	51.8	236.7	32,200	55.2	239.5	30,100							145
150	39.0	214.6	30,700*	43.4	223.3	33,900*	45.9	227.4	32,800	49.7	232.5	30,700	53.2	235.9	28,700							150
155	36.2	208.0	29,100*	40.9	217.7	32,000*	43.4	222.2	31,200	47.4	228.0	29,200	51.0	231.9	27,300							155
160	33.2	200.7	27,600*	38.2	211.5	30,300*	40.9	216.6	29,800	45.0	223.2	27,900	48.8	227.6	26,000	52.2	230.2	24,200				160
165	29.9	192.4	26,100*	35.4	204.7	28,700*	38.2	210.5	28,500	42.6	217.9	26,600	46.5	223.0	24,800	50.0	226.2	23,000				165
170	26.3	182.9	24,600*	32.3	197.1	27,200*	35.4	203.7	27,200	40.0	212.1	25,500	44.1	218.0	23,700	47.8	221.7	22,000				170
175	22.1	171.5	23,200*	28.9	188.5	25,800*	32.3	196.1	26,100	37.3	205.8	24,300	41.6	212.5	22,600	45.4	216.9	21,000				175
180	17.0	157.1	21,900*	25.2	178.5	24,300*	29.0	187.5	25,000	34.4	198.7	23,300	39.0	206.5	21,600	43.0	211.7	20,000	46.5	214.7	18,500	180
185	9.3	134.9	19,600*	20.8	166.5	23,000*	25.2	177.6	23,900	31.2	190.8	22,300	36.2	199.9	20,700	40.4	206.0	19,100	44.2	209.7	17,600	185
190				15.2	150.7	21,600*	20.8	165.6	22,900	27.8	181.8	21,300	33.2	192.6	19,800	37.7	199.7	18,300	41.7	204.2	16,800	190
195				5.3	121.7	19,500*	15.3	149.8	21,700*	23.8	171.3	20,400	29.9	184.3	19,000	34.9	192.8	17,500	39.0	198.3	16,100	195
200							5.5	121.4	20,200*	19.1	158.3	19,600	26.3	174.8	18,100	31.7	185.1	16,700	36.2	191.7	15,300	200
205										12.8	140.3	18,700	22.1	163.4	17,400	28.3	176.3	16,000	33.3	184.3	14,700	205
210													17.0	149.0	16,600	24.5	166.0	15,300	30.0	176.1	14,000	210
215													9.3	126.7	15,900	19.9	153.5	14,600	26.4	166.6	13,400	215
220																14.0	136.7	14,000	22.2	155.3	12,800	220
225																			17.1	140.9	12,200	225
230																			9.5	119.1	11,600	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.0	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	61,800*																90
95	64.7	270.9	58,100*	67.7	273.5	59,800*																95
100	63.0	268.4	55,800*	66.0	271.3	58,000*	67.8	272.4	56,700													100
105	61.2	265.7	53,700*	64.2	268.9	55,000	66.0	270.2	53,100													105
110	59.3	262.8	49,900*	62.4	266.4	51,700	64.3	267.8	49,900													110
115	57.4	259.7	46,600*	60.6	263.6	48,700	62.5	265.3	46,900													115
120	55.5	256.3	43,500*	58.8	260.7	45,900	60.7	262.5	44,300													120
125	53.6	252.7	40,800*	56.9	257.5	43,400	58.8	259.6	41,800	61.9	261.9	39,300										125
130	51.5	248.8	38,300*	55.0	254.0	41,100	56.9	256.4	39,600	60.0	259.1	37,200										130
135	49.5	244.7	36,000*	53.0	250.3	39,000	55.0	253.0	37,600	58.2	256.0	35,200										135
140	47.3	240.2	33,900*	50.9	246.4	37,100	53.0	249.3	35,700	56.3	252.8	33,400										140
145	45.1	235.3	32,000*	48.9	242.1	35,300	51.0	245.3	33,900	54.3	249.3	31,800	57.4	251.6	29,600							145
150	42.8	230.0	30,200*	46.7	237.5	33,400*	48.9	241.0	32,300	52.3	245.5	30,200	55.5	248.2	28,100							150
155	40.4	224.3	28,600*	44.4	232.5	31,500*	46.7	236.4	30,800	50.3	241.4	28,800	53.5	244.6	26,800							155
160	37.8	218.1	27,000*	42.1	227.1	29,700*	44.5	231.5	29,400	48.2	237.0	27,400	51.5	240.7	25,500							160
165	35.1	211.2	25,600*	39.7	221.3	28,100*	42.1	226.1	28,100	46.0	232.3	26,200	49.5	236.6	24,300	52.6	239.0	22,500				165
170	32.2	203.6	24,300*	37.1	214.9	26,600*	39.7	220.2	26,800	43.7	227.2	25,000	47.3	232.1	23,200	50.6	235.0	21,400				170
175	29.1	195.0	23,000*	34.3	207.8	25,200*	37.1	213.8	25,700	41.3	221.7	23,900	45.1	227.2	22,100	48.5	230.7	20,500				175
180	25.5	185.1	21,700*	31.3	199.9	23,900*	34.4	206.8	24,600	38.8	215.6	22,800	42.8	221.9	21,200	46.3	226.0	19,500				180
185	21.5	173.4	20,500*	28.1	191.0	22,700*	31.4	198.9	23,500	36.2	209.0	21,900	40.4	216.2	20,200	44.1	221.0	18,600	47.4	223.8	17,100	185
190	16.5	158.5	19,300*	24.4	180.7	21,500*	28.1	190.0	22,500	33.4	201.7	20,900	37.8	210.0	19,300	41.7	215.5	17,800	45.1	218.9	16,300	190
195	9.0	135.7	17,200*	20.2	168.3	20,200*	24.5	179.7	21,500*	30.3	193.5	20,000	35.1	203.1	18,500	39.2	209.6	17,000	42.8	213.6	15,500	195
200				14.7	152.0	19,000*	20.2	167.3	20,300*	27.0	184.2	19,200	32.2	195.5	17,700	36.6	203.1	16,200	40.4	207.9	14,800	200
205				5.1	122.1	17,100*	14.8	151.1	19,100*	23.1	173.3	18,400	29.0	186.9	16,900	33.8	195.9	15,500	37.9	201.7	14,200	205
210							5.4	121.8	17,800*	18.6	159.9	17,600	25.5	177.0	16,200	30.8	187.8	14,800	35.2	194.9	13,500	210
215										12.5	141.4	16,800	21.5	165.3	15,500	27.5	178.7	14,200	32.3	187.2	12,900	215
220													16.5	150.4	14,800	23.8	168.1	13,500	29.1	178.7	12,300	220
225													9.0	127.5	14,100	19.4	155.2	12,900	25.6	168.9	11,700	225
230																13.6	137.9	12,300	21.6	157.2	11,200	230
235																			16.6	142.4	10,600	235
240																			9.3	119.9	10,100	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 IN
THE SCOPE OF ANSI B30.5

M-250

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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.8	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	59,000*																90
95	66.2	282.0	56,600*	69.0	284.3	57,400*																95
100	64.5	279.6	54,400*	67.3	282.2	55,900*																100
105	62.8	277.1	52,400*	65.7	280.0	52,300*	67.4	281.1	52,700													105
110	61.1	274.4	49,400*	64.0	277.6	51,300	65.7	278.9	49,400													110
115	59.4	271.5	46,100*	62.3	275.1	48,200	64.0	276.5	46,500													115
120	57.6	268.4	43,000*	60.6	272.3	45,500	62.3	274.0	43,900													120
125	55.8	265.0	40,300*	58.8	269.3	43,000	60.6	271.2	41,400													125
130	53.9	261.5	37,800*	57.1	266.2	40,700	58.9	268.2	39,200	61.8	270.6	36,700										130
135	52.0	257.6	35,500*	55.2	262.7	38,600	57.1	265.1	37,200	60.0	267.7	34,800										135
140	50.1	253.5	33,400*	53.4	259.1	36,700	55.3	261.7	35,300	58.3	264.7	33,000										140
145	48.1	249.1	31,500*	51.5	255.2	34,900	53.4	258.0	33,500	56.5	261.5	31,300										145
150	46.0	244.4	29,700*	49.5	251.0	32,900*	51.5	254.1	31,900	54.6	258.0	29,800	57.6	260.3	27,700							150
155	43.8	239.3	28,100*	47.5	246.5	31,000*	49.5	249.9	30,400	52.7	254.3	28,400	55.8	256.9	26,300							155
160	41.6	233.8	26,500*	45.4	241.7	29,200*	47.5	245.5	29,000	50.8	250.3	27,000	53.9	253.4	25,100							160
165	39.2	227.9	25,100*	43.2	236.5	27,600*	45.4	240.6	27,700	48.8	246.0	25,800	52.0	249.5	23,900							165
170	36.8	221.4	23,800*	40.9	230.9	26,100*	43.2	235.5	26,400	46.8	241.4	24,600	50.1	245.4	22,800							170
175	34.1	214.3	22,500*	38.5	224.8	24,700*	41.0	229.8	25,300	44.7	236.4	23,500	48.0	241.0	21,700	51.1	243.9	20,000				175
180	31.3	206.4	21,400*	36.0	218.1	23,400*	38.6	223.7	24,200	42.5	231.1	22,400	46.0	236.3	20,700	49.2	239.6	19,100				180
185	28.3	197.5	20,200*	33.4	210.8	22,200*	36.1	217.1	23,100	40.2	225.4	21,500	43.8	231.2	19,800	47.1	235.1	18,200				185
190	24.8	187.3	19,100*	30.5	202.7	21,100*	33.4	209.8	22,200	37.7	219.1	20,500	41.6	225.7	18,900	45.0	230.2	17,400				190
195	20.9	175.3	18,000*	27.3	193.4	20,000*	30.5	201.6	21,100*	35.2	212.2	19,600	39.2	219.8	18,100	42.8	224.9	16,600	46.0	228.0	15,100	195
200	16.0	159.9	16,900*	23.8	182.8	18,900*	27.4	192.5	20,000*	32.4	204.6	18,800	36.8	213.3	17,300	40.5	219.2	15,800	43.9	222.9	14,400	200
205	8.8	136.5	15,000*	19.6	170.0	17,800*	23.8	181.8	18,900*	29.5	196.2	18,000	34.1	206.2	16,500	38.1	213.1	15,100	41.6	217.5	13,700	205
210				14.3	153.2	16,700*	19.7	169.0	17,800*	26.2	186.6	17,200	31.3	198.3	15,800	35.6	206.3	14,400	39.3	211.5	13,100	210
215				4.9	122.5	15,000*	14.4	152.3	16,700*	22.5	175.3	16,500	28.2	189.4	15,100	32.9	198.8	13,800	36.8	205.0	12,500	215
220							5.2	122.2	15,600*	18.1	161.5	15,800	24.8	179.2	14,500	30.0	190.5	13,200	34.2	197.9	11,900	220
225										12.1	142.4	15,100	20.9	167.1	13,800	26.8	181.1	12,600	31.4	190.1	11,300	225
230													16.0	151.8	13,200	23.1	170.2	12,000	28.3	181.2	10,800	230
235													8.8	128.2	12,600	18.8	156.9	11,400	24.9	171.1	10,300	235
240																13.2	139.0	10,900	21.0	159.0	9,800	240
245																			16.1	143.8	9,300	245
250																			9.0	120.6	8,800	250

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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 POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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	52,000*																100
105	64.3	288.3	49,900*	67.0	291.0	51,100*																105
110	62.7	285.8	47,400*	65.4	288.7	50,300*	67.0	289.9	49,000													110
115	61.0	283.1	45,000*	63.8	286.3	47,800	65.4	287.6	46,000													115
120	59.4	280.2	42,500*	62.2	283.7	45,100	63.8	285.2	43,400													120
125	57.7	277.1	39,700*	60.6	281.0	42,600	62.2	282.6	41,000													125
130	56.0	273.7	37,200*	58.9	278.0	40,300	60.6	279.9	38,700													130
135	54.2	270.2	35,000*	57.2	274.8	38,200	58.9	276.9	36,700	61.7	279.2	34,300										135
140	52.4	266.4	32,900*	55.5	271.5	36,200	57.2	273.7	34,800	60.0	276.4	32,500										140
145	50.6	262.4	30,900*	53.7	267.9	34,400*	55.5	270.4	33,100	58.4	273.4	30,800										145
150	48.7	258.1	29,200*	51.9	264.0	32,300*	53.7	266.8	31,500	56.6	270.1	29,300										150
155	46.8	253.5	27,500*	50.1	259.9	30,400*	51.9	262.9	30,000	54.9	266.7	27,900	57.7	269.0	25,800							155
160	44.7	248.6	26,000*	48.1	255.5	28,700*	50.1	258.8	28,600	53.1	263.0	26,500	56.0	265.6	24,600							160
165	42.7	243.3	24,600*	46.2	250.8	27,100*	48.2	254.4	27,200	51.3	259.1	25,300	54.2	262.1	23,400							165
170	40.5	237.5	23,200*	44.1	245.8	25,600*	46.2	249.8	26,000	49.4	254.9	24,100	52.4	258.3	22,300							170
175	38.2	231.4	22,000*	42.0	240.4	24,200*	44.2	244.7	24,800	47.5	250.4	23,000	50.6	254.3	21,200							175
180	35.8	224.6	20,800*	39.8	234.5	22,900*	42.1	239.3	23,800	45.5	245.6	22,000	48.7	250.0	20,200	51.6	252.7	18,500				180
185	33.2	217.3	19,700*	37.5	228.2	21,700*	39.9	233.5	22,700	43.5	240.5	21,000	46.7	245.4	19,300	49.7	248.5	17,700				185
190	30.5	209.1	18,700*	35.1	221.3	20,500*	37.6	227.2	21,700*	41.3	234.9	20,100	44.7	240.5	18,400	47.8	244.1	16,800				190
195	27.5	200.0	17,700*	32.5	213.7	19,400*	35.1	220.3	20,500*	39.1	228.9	19,200	42.6	235.2	17,600	45.8	239.3	16,100				195
200	24.2	189.5	16,700*	29.7	205.3	18,400*	32.5	212.7	19,500*	36.7	222.4	18,400	40.5	229.4	16,800	43.8	234.2	15,300	46.8	237.1	13,900	200
205	20.4	177.0	15,700*	26.6	195.8	17,400*	29.7	204.3	18,400*	34.3	215.3	17,600	38.2	223.3	16,100	41.7	228.8	14,600	44.8	232.2	13,200	205
210	15.6	161.3	14,700*	23.1	184.8	16,500*	26.6	194.8	17,500*	31.6	207.5	16,800	35.8	216.5	15,400	39.5	222.8	13,900	42.7	226.9	12,600	210
215	8.6	137.2	13,000*	19.1	171.6	15,500*	23.2	183.9	16,500*	28.7	198.7	16,100	33.2	209.2	14,700	37.1	216.4	13,300	40.5	221.2	11,900	215
220				14.0	154.4	14,500*	19.2	170.7	15,500*	25.5	188.8	15,400	30.5	201.0	14,000	34.7	209.4	12,700	38.2	215.0	11,400	220
225				4.8	122.9	13,000*	14.0	153.6	14,600*	21.9	177.2	14,700	27.5	191.8	13,400	32.0	201.7	12,100	35.9	208.3	10,800	225
230							5.1	122.6	13,500*	17.6	163.0	14,100	24.2	181.3	12,800	29.2	193.1	11,500	33.3	200.9	10,300	230
235										11.8	143.4	13,500	20.3	168.9	12,200	26.1	183.4	11,000	30.6	192.8	9,800	235
240													15.6	153.1	11,600	22.5	172.1	10,500	27.6	183.7	9,300	240
245													8.5	129.0	11,100	18.3	158.5	9,900	24.3	173.2	8,800	245
250																12.9	140.1	9,400	20.4	160.8	8,300	250
255																			15.7	145.2	7,900	255
260																			8.8	121.4	7,400	260

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250

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*	62.8	179.0	119,900b	67.8	180.5	116,400b													60
65	48.2	170.0	103,500*	58.0	176.0	108,100b	63.3	178.1	104,900b													65
70	42.3	164.9	97,600*	53.0	172.4	98,300	58.6	175.2	95,400b													70
75	35.7	158.5	88,100*	47.6	168.1	90,000	53.6	171.7	87,300	62.5	175.0	82,900b										75
80	27.6	150.0	80,100*	41.6	162.9	82,900	48.2	167.5	80,400	57.7	172.0	76,400b										80
85	16.1	136.8	73,300*	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	62,300b							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

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	70.7	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 IN
THE SCOPE OF ANSI B30.5

M-250

**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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	73.0	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	107,300b																65
70	55.0	191.7	93,200*	62.2	196.3	97,500	66.1	197.9	94,500b													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	57.4	185.1	53,400							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	53.5	181.6	50,100							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	49.4	177.5	47,200							105
110				23.3	151.7	54,600	31.3	161.7	52,900	41.3	171.9	50,000	45.0	172.7	44,500							110
115				12.4	135.4	51,400	24.2	151.9	49,900	36.1	165.5	47,200				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 IN
THE SCOPE OF ANSI B30.5

M-250

**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

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

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

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	73.4	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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.8	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 IN
THE SCOPE OF ANSI B30.5

M-250

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 IN
THE SCOPE OF ANSI B30.5

M-250

**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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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	77,600*																80
85	63.7	252.6	69,200*	67.7	255.6	73,600																85
90	61.5	249.9	66,300*	65.6	253.4	68,300	67.9	254.6	65,800													90
95	59.3	247.1	63,600*	63.5	250.9	63,600	65.8	252.4	61,300													95
100	57.1	243.9	59,600*	61.3	248.3	59,500	63.7	250.0	57,300													100
105	54.8	240.4	55,300*	59.1	245.3	55,800	61.5	247.4	53,700													105
110	52.4	236.7	51,500*	56.8	242.2	52,400	59.3	244.5	50,500													110
115	49.9	232.6	48,100*	54.5	238.7	49,400	57.1	241.3	47,600	61.2	244.3	44,500										115
120	47.3	228.1	45,100*	52.1	234.9	46,700	54.8	237.9	44,900	59.0	241.3	42,000										120
125	44.7	223.2	42,300*	49.6	230.7	44,200	52.4	234.1	42,500	56.7	238.1	39,800										125
130	41.8	217.8	39,800*	47.0	226.2	41,900	49.9	230.0	40,300	54.4	234.6	37,700										130
135	38.9	211.8	37,500*	44.3	221.2	39,800	47.3	225.6	38,300	52.0	230.8	35,700	56.2	233.9	33,200							135
140	35.7	205.1	35,400*	41.5	215.8	37,900	44.7	220.6	36,400	49.5	226.6	33,900	53.8	230.3	31,600							140
145	32.2	197.5	33,500*	38.5	209.7	36,100	41.8	215.2	34,600	46.9	222.1	32,300	51.4	226.5	30,000							145
150	28.4	188.8	31,700*	35.3	202.9	34,400	38.9	209.2	33,000	44.2	217.1	30,800	48.9	222.2	28,600							150
155	23.9	178.4	29,900*	31.8	195.2	32,800	35.7	202.6	31,500	41.4	211.6	29,300	46.3	217.6	27,200	50.7	221.0	25,100				155
160	18.6	165.2	28,100*	27.9	186.3	31,300	32.2	195.0	30,100	38.3	205.5	28,000	43.6	212.5	25,900	48.2	216.7	23,900				160
165	10.7	145.4	25,500*	23.4	175.7	29,800*	28.4	186.3	28,800	35.1	198.7	26,700	40.7	206.8	24,800	45.5	211.9	22,800				165
170				17.8	162.0	28,100*	24.0	175.9	27,500	31.6	190.9	25,600	37.6	200.6	23,700	42.8	206.7	21,800	47.2	210.0	20,000	170
175				9.4	140.6	26,300*	18.6	162.7	26,300	27.7	182.0	24,400	34.4	193.6	22,600	39.8	200.9	20,800	44.5	205.1	19,100	175
180							10.8	142.9	25,100	23.1	171.2	23,400	30.8	185.6	21,600	36.7	194.4	19,900	41.7	199.7	18,200	180
185										17.5	157.3	22,400	26.7	176.3	20,700	33.3	187.2	19,000	38.7	193.6	17,400	185
190										8.8	135.0	21,400	22.0	165.0	19,800	29.6	178.9	18,200	35.5	186.9	16,600	190
195													16.0	150.0	18,900	25.4	169.1	17,400	32.0	179.3	15,800	195
200													4.9	121.5	18,000	20.4	156.9	16,600	28.2	170.5	15,100	200
205																13.7	140.2	15,800	23.7	160.0	14,400	205
210																			18.2	146.6	13,800	210
215																			10.2	126.1	13,100	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 IN
THE SCOPE OF ANSI B30.5

M-250

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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.0	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	71,900*																85
90	63.5	261.3	64,500*	67.2	264.3	67,800																90
95	61.4	258.6	62,000*	65.2	262.1	63,100	67.4	263.4	60,800													95
100	59.4	255.7	59,100*	63.2	259.6	59,000	65.5	261.1	56,800													100
105	57.3	252.6	54,800*	61.2	256.9	55,300	63.5	258.7	53,200													105
110	55.1	249.2	51,000*	59.1	254.0	52,000	61.5	256.0	50,000													110
115	52.9	245.5	47,600*	57.0	250.8	49,000	59.4	253.2	47,100													115
120	50.6	241.5	44,600*	54.8	247.4	46,300	57.3	250.0	44,500	61.1	252.9	41,500										120
125	48.2	237.1	41,800*	52.6	243.7	43,800	55.1	246.6	42,100	59.0	250.0	39,200										125
130	45.7	232.4	39,300*	50.3	239.6	41,500	52.9	242.9	39,800	56.9	246.8	37,100										130
135	43.1	227.2	37,000*	47.9	235.2	39,400	50.6	238.9	37,800	54.7	243.3	35,200										135
140	40.4	221.5	34,900*	45.4	230.4	37,400	48.2	234.5	35,900	52.5	239.6	33,500	56.4	242.6	31,000							140
145	37.6	215.2	33,000*	42.8	225.2	35,600	45.7	229.8	34,200	50.2	235.5	31,800	54.2	239.1	29,500							145
150	34.5	208.2	31,200*	40.1	219.4	34,000	43.2	224.6	32,600	47.8	231.1	30,300	52.0	235.3	28,000							150
155	31.1	200.3	29,500*	37.2	213.1	32,400	40.4	218.9	31,100	45.3	226.3	28,900	49.7	231.1	26,700							155
160	27.4	191.2	28,000*	34.1	206.0	31,000	37.6	212.7	29,700	42.7	221.0	27,500	47.2	226.6	25,400	51.3	229.9	23,400				160
165	23.2	180.4	26,400*	30.7	198.0	29,300*	34.5	205.7	28,300	40.0	215.3	26,300	44.7	221.7	24,300	49.0	225.6	22,300				165
170	17.9	166.8	24,900*	27.0	188.7	27,800*	31.2	197.8	27,100	37.1	208.9	25,100	42.1	216.3	23,200	46.5	221.0	21,200				170
175	10.4	146.2	22,500*	22.6	177.7	26,400*	27.4	188.7	25,900	33.9	201.7	24,000	39.3	210.4	22,100	44.0	216.0	20,300				175
180				17.3	163.5	24,800*	23.2	177.9	24,800	30.5	193.7	23,000	36.4	203.9	21,100	41.3	210.5	19,300	45.6	214.3	17,600	180
185				9.1	141.4	23,200*	18.0	164.2	23,700	26.8	184.3	22,000	33.2	196.6	20,200	38.5	204.4	18,500	43.0	209.1	16,800	185
190							10.4	143.8	22,700	22.4	173.2	21,000	29.7	188.3	19,300	35.5	197.6	17,700	40.3	203.4	16,000	190
195										16.9	158.8	20,100	25.8	178.6	18,500	32.2	190.1	16,900	37.4	197.0	15,300	195
200										8.5	135.7	19,200	21.3	166.9	17,700	28.7	181.4	16,100	34.3	190.0	14,600	200
205													15.4	151.4	16,900	24.6	171.2	15,400	31.0	182.1	13,900	205
210													4.7	121.9	16,100	19.8	158.7	14,700	27.2	172.9	13,300	210
215																13.3	141.3	14,000	22.9	162.0	12,700	215
220																			17.6	148.1	12,100	220
225																			9.8	126.9	11,500	225

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.9	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	68,500*																85
90	65.1	272.4	62,900*	68.6	275.2	66,000*																90
95	63.3	269.9	60,500*	66.8	273.1	62,900																95
100	61.4	267.3	58,100*	64.9	270.8	58,700	67.0	272.1	56,500													100
105	59.4	264.4	54,500*	63.1	268.3	55,000	65.2	269.8	52,900													105
110	57.4	261.3	50,700*	61.1	265.6	51,700	63.3	267.4	49,700													110
115	55.4	257.9	47,300*	59.2	262.7	48,700	61.4	264.7	46,800													115
120	53.3	254.2	44,300*	57.2	259.5	46,000	59.4	261.8	44,200	63.0	264.3	41,200										120
125	51.2	250.3	41,500*	55.2	256.1	43,500	57.4	258.7	41,800	61.0	261.6	38,900										125
130	48.9	246.0	39,000*	53.1	252.4	41,200	55.4	255.3	39,600	59.1	258.6	36,900										130
135	46.7	241.4	36,700*	50.9	248.5	39,100	53.3	251.7	37,600	57.1	255.5	35,000										135
140	44.3	236.4	34,600*	48.7	244.2	37,200	51.2	247.7	35,700	55.0	252.1	33,200										140
145	41.8	231.0	32,700*	46.4	239.5	35,400	49.0	243.5	33,900	53.0	248.4	31,500	56.6	251.3	29,200							145
150	39.2	225.1	30,900*	44.0	234.5	33,700	46.7	238.9	32,300	50.8	244.4	30,000	54.6	247.8	27,800							150
155	36.4	218.5	29,200*	41.5	229.0	32,200	44.3	233.9	30,800	48.6	240.1	28,600	52.5	244.1	26,400							155
160	33.4	211.2	27,700*	38.9	223.0	30,700*	41.8	228.5	29,400	46.3	235.4	27,300	50.3	240.0	25,200							160
165	30.2	203.0	26,200*	36.1	216.4	29,000*	39.2	222.5	28,100	43.9	230.3	26,000	48.1	235.6	24,000	51.9	238.7	22,000				165
170	26.6	193.6	24,900*	33.1	209.0	27,500*	36.4	216.0	26,900	41.4	224.8	24,900	45.7	230.9	22,900	49.7	234.6	21,000				170
175	22.4	182.4	23,500*	29.8	200.7	26,100*	33.4	208.7	25,700	38.7	218.8	23,800	43.3	225.7	21,900	47.4	230.1	20,000				175
180	17.4	168.3	22,100*	26.1	191.1	24,800*	30.2	200.5	24,600	35.9	212.1	22,700	40.8	220.1	20,900	45.1	225.2	19,100				180
185	10.0	147.1	20,100*	21.9	179.6	23,500*	26.6	191.1	23,600	32.9	204.7	21,800	38.1	213.9	20,000	42.6	219.9	18,200	46.5	223.4	16,600	185
190				16.7	165.0	22,100*	22.5	179.9	22,600	29.6	196.3	20,800	35.3	207.1	19,100	40.0	214.1	17,400	44.2	218.4	15,800	190
195				8.8	142.1	20,700*	17.4	165.8	21,600	25.9	186.6	20,000	32.2	199.5	18,300	37.3	207.8	16,600	41.7	212.9	15,100	195
200							10.1	144.6	20,700	21.7	175.1	19,100	28.8	190.8	17,500	34.4	200.8	15,900	39.0	206.9	14,400	200
205										16.4	160.2	18,300	25.0	180.8	16,700	31.2	192.9	15,200	36.2	200.3	13,700	205
210										8.2	136.4	17,500	20.6	168.7	16,000	27.8	183.9	14,500	33.3	193.0	13,100	210
215													15.0	152.7	15,300	23.8	173.3	13,900	30.0	184.7	12,500	215
220													4.6	122.2	14,600	19.2	160.3	13,300	26.4	175.2	11,900	220
225																12.9	142.4	12,600	22.2	163.9	11,300	225
230																			17.1	149.6	10,800	230
235																			9.5	127.7	10,200	235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.1	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	62,800*																90
95	64.9	281.1	58,700*	68.2	283.9	60,900*																95
100	63.1	278.6	56,500*	66.4	281.8	58,300																100
105	61.3	275.9	54,000*	64.7	279.5	54,600	66.6	280.8	52,500													105
110	59.4	273.0	50,200*	62.9	277.0	51,300	64.9	278.5	49,300													110
115	57.6	269.9	46,800*	61.1	274.3	48,300	63.1	276.1	46,400													115
120	55.7	266.6	43,700*	59.2	271.3	45,600	61.3	273.4	43,700													120
125	53.7	263.0	41,000*	57.4	268.2	43,100	59.5	270.5	41,300	62.8	273.0	38,400										125
130	51.7	259.1	38,500*	55.4	264.8	40,800	57.6	267.4	39,100	61.0	270.2	36,400										130
135	49.6	255.0	36,200*	53.5	261.2	38,700	55.7	264.0	37,100	59.1	267.3	34,400										135
140	47.5	250.5	34,100*	51.4	257.3	36,800	53.7	260.4	35,200	57.3	264.2	32,700										140
145	45.3	245.6	32,100*	49.4	253.1	35,000	51.7	256.6	33,500	55.3	260.8	31,000										145
150	43.0	240.4	30,300*	47.2	248.6	33,300	49.6	252.4	31,900	53.4	257.1	29,500	56.8	260.0	27,200							150
155	40.5	234.7	28,700*	45.0	243.7	31,800	47.5	247.9	30,400	51.3	253.2	28,100	54.9	256.5	25,900							155
160	38.0	228.5	27,100*	42.7	238.4	30,200*	45.3	243.1	29,000	49.3	249.0	26,800	52.9	252.8	24,600							160
165	35.3	221.7	25,700*	40.3	232.7	28,500*	43.0	237.9	27,700	47.1	244.5	25,600	50.9	248.8	23,500							165
170	32.4	214.1	24,400*	37.7	226.4	27,000*	40.6	232.2	26,500	44.9	239.6	24,400	48.8	244.6	22,400	52.3	247.5	20,400				170
175	29.3	205.6	23,100*	35.0	219.5	25,600*	38.0	226.0	25,300	42.6	234.3	23,300	46.6	240.0	21,400	50.3	243.4	19,500				175
180	25.8	195.9	21,900*	32.1	211.9	24,200*	35.3	219.2	24,200	40.1	228.5	22,300	44.4	235.0	20,400	48.2	239.1	18,600				180
185	21.8	184.3	20,700*	28.9	203.2	23,000*	32.4	211.6	23,200	37.6	222.2	21,300	42.0	229.6	19,500	46.0	234.3	17,700				185
190	16.9	169.7	19,500*	25.4	193.3	21,800*	29.3	203.1	22,200	34.9	215.3	20,400	39.6	223.7	18,600	43.7	229.2	16,900	47.4	232.4	15,200	190
195	9.8	147.9	17,600*	21.3	181.5	20,700*	25.8	193.3	21,300	31.9	207.6	19,500	37.0	217.3	17,800	41.3	223.7	16,100	45.1	227.6	14,500	195
200				16.2	166.4	19,500*	21.8	181.8	20,400	28.7	198.9	18,700	34.2	210.2	17,000	38.8	217.7	15,400	42.8	222.3	13,800	200
205				8.6	142.9	18,200*	16.9	167.2	19,500	25.2	188.9	17,900	31.2	202.3	16,300	36.2	211.1	14,700	40.4	216.6	13,200	205
210							9.8	145.5	18,400*	21.1	176.9	17,100	28.0	193.3	15,600	33.4	203.8	14,000	37.9	210.4	12,600	210
215										15.9	161.6	16,400	24.3	182.9	14,900	30.3	195.6	13,400	35.2	203.5	12,000	215
220										8.0	137.1	15,700	20.0	170.4	14,200	27.0	186.3	12,800	32.3	195.9	11,400	220
225													14.5	153.9	13,600	23.1	175.4	12,200	29.1	187.3	10,800	225
230													4.4	122.6	12,900	18.6	162.0	11,600	25.6	177.5	10,300	230
235																12.5	143.5	11,100	21.6	165.8	9,800	235
240																			16.6	151.1	9,300	240
245																			9.3	128.5	8,800	245

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	75.9	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	56,500*																95
100	64.6	289.8	55,000*	67.7	292.7	55,200*																100
105	62.9	287.3	53,000*	66.1	290.5	54,200	67.9	291.7	52,000													105
110	61.2	284.6	49,700*	64.4	288.2	50,900	66.3	289.6	48,800													110
115	59.5	281.7	46,300*	62.7	285.6	47,900	64.6	287.2	45,900													115
120	57.7	278.6	43,200*	61.0	282.9	45,100	62.9	284.7	43,300													120
125	55.9	275.3	40,500*	59.3	280.0	42,700	61.2	282.0	40,900													125
130	54.0	271.7	38,000*	57.5	276.9	40,400	59.5	279.1	38,700	62.6	281.6	35,900										130
135	52.1	267.9	35,700*	55.7	273.5	38,300	57.7	276.0	36,700	60.9	278.9	34,000										135
140	50.2	263.8	33,600*	53.8	269.9	36,400	55.9	272.7	34,800	59.2	276.0	32,200										140
145	48.2	259.5	31,600*	51.9	266.1	34,600	54.0	269.2	33,100	57.4	272.8	30,600										145
150	46.1	254.8	29,800*	50.0	262.0	32,900	52.2	265.4	31,500	55.6	269.5	29,100										150
155	44.0	249.7	28,200*	48.0	257.6	31,400	50.2	261.3	30,000	53.7	265.9	27,700	57.0	268.7	25,400							155
160	41.7	244.2	26,600*	45.9	252.8	29,700*	48.2	256.9	28,600	51.8	262.0	26,400	55.2	265.2	24,200							160
165	39.4	238.3	25,200*	43.7	247.7	28,000*	46.1	252.2	27,300	49.9	257.9	25,100	53.3	261.6	23,000							165
170	36.9	231.9	23,900*	41.5	242.2	26,500*	44.0	247.1	26,100	47.9	253.5	24,000	51.4	257.7	22,000							170
175	34.3	224.8	22,600*	39.1	236.3	25,100*	41.8	241.7	24,900	45.8	248.7	22,900	49.4	253.5	20,900	52.8	256.3	19,000				175
180	31.5	217.0	21,400*	36.7	229.7	23,700*	39.4	235.8	23,800	43.6	243.6	21,900	47.4	249.0	20,000	50.8	252.3	18,100				180
185	28.5	208.2	20,300*	34.0	222.6	22,500*	37.0	229.3	22,800	41.4	238.1	20,900	45.3	244.2	19,100	48.8	248.0	17,300				185
190	25.1	198.1	19,300*	31.2	214.7	21,300*	34.3	222.3	21,800	39.0	232.1	20,000	43.1	238.9	18,200	46.8	243.4	16,500				190
195	21.2	186.2	18,200*	28.1	205.7	20,200*	31.5	214.4	20,900	36.5	225.5	19,100	40.9	233.3	17,400	44.7	238.5	15,700				195
200	16.4	171.2	17,100*	24.7	195.5	19,200*	28.5	205.6	20,000	33.9	218.3	18,300	38.5	227.2	16,600	42.5	233.1	15,000	46.0	236.7	13,400	200
205	9.5	148.7	15,400*	20.7	183.3	18,200*	25.1	195.6	19,200	31.0	210.3	17,500	36.0	220.5	15,900	40.2	227.4	14,300	43.9	231.6	12,700	205
210				15.8	167.8	17,100*	21.2	183.7	18,300*	27.9	201.4	16,800	33.3	213.2	15,200	37.8	221.1	13,600	41.6	226.1	12,100	210
215				8.3	143.6	15,900*	16.4	168.7	17,300*	24.5	191.0	16,100	30.4	205.0	14,500	35.2	214.2	13,000	39.3	220.2	11,500	215
220							9.5	146.3	16,100*	20.5	178.7	15,400	27.2	195.7	13,900	32.5	206.7	12,400	36.8	213.7	11,000	220
225										15.5	162.9	14,700	23.6	185.0	13,300	29.5	198.2	11,800	34.2	206.6	10,400	225
230										7.7	137.7	14,000	19.5	172.1	12,700	26.2	188.6	11,300	31.4	198.7	9,900	230
235													14.1	155.2	12,100	22.5	177.4	10,700	28.3	189.9	9,400	235
240													4.3	122.9	11,500	18.1	163.5	10,200	24.9	179.7	8,900	240
245																12.2	144.5	9,700	21.0	167.7	8,500	245
250																			16.1	152.5	8,000	250
255																			9.0	129.3	7,600	255

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M-250

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			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	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	53,700*																95
100	66.0	300.8	52,600*	68.9	303.5	52,800*																100
105	64.4	298.5	50,100*	67.4	301.4	52,000*																105
110	62.8	296.0	47,600*	65.8	299.2	50,400	67.5	300.5	48,300													110
115	61.2	293.3	45,300*	64.2	296.8	47,400	66.0	298.3	45,400													115
120	59.5	290.4	42,700*	62.6	294.3	44,700	64.4	295.9	42,800													120
125	57.8	287.3	39,900*	61.0	291.6	42,200	62.8	293.4	40,400													125
130	56.1	284.0	37,400*	59.3	288.7	40,000	61.2	290.7	38,200													130
135	54.3	280.5	35,100*	57.6	285.5	37,900	59.5	287.8	36,200	62.5	290.3	33,500										135
140	52.6	276.7	33,000*	55.9	282.2	35,900	57.8	284.7	34,300	60.9	287.6	31,700										140
145	50.7	272.7	31,100*	54.1	278.7	34,200	56.1	281.4	32,600	59.2	284.6	30,100										145
150	48.8	268.4	29,300*	52.4	274.9	32,500	54.4	277.9	31,000	57.5	281.5	28,600										150
155	46.9	263.8	27,600*	50.5	270.9	30,900*	52.6	274.1	29,500	55.8	278.2	27,200										155
160	44.9	258.9	26,100*	48.6	266.5	29,100*	50.7	270.1	28,100	54.1	274.6	25,900	57.2	277.3	23,700							160
165	42.8	253.6	24,700*	46.7	261.9	27,500*	48.8	265.9	26,800	52.3	270.8	24,700	55.4	273.9	22,500							165
170	40.6	248.0	23,300*	44.7	257.0	25,900*	46.9	261.3	25,600	50.4	266.8	23,500	53.7	270.3	21,400							170
175	38.4	241.8	22,100*	42.6	251.7	24,500*	44.9	256.4	24,500	48.5	262.4	22,400	51.8	266.5	20,400							175
180	36.0	235.1	20,900*	40.4	245.9	23,200*	42.8	251.1	23,400	46.6	257.8	21,400	50.0	262.4	19,500							180
185	33.4	227.8	19,800*	38.1	239.7	22,000*	40.6	245.4	22,400	44.5	252.8	20,400	48.1	258.0	18,600	51.3	261.1	16,700				185
190	30.7	219.7	18,800*	35.7	233.0	20,800*	38.4	239.3	21,400	42.4	247.5	19,500	46.1	253.3	17,700	49.4	256.9	15,900				190
195	27.7	210.6	17,800*	33.1	225.6	19,700*	36.0	232.6	20,500	40.3	241.7	18,700	44.1	248.2	16,900	47.5	252.4	15,200				195
200	24.4	200.3	16,800*	30.4	217.4	18,700*	33.4	225.3	19,600	38.0	235.5	17,900	42.0	242.8	16,100	45.5	247.6	14,400				200
205	20.6	188.0	15,900*	27.4	208.2	17,700*	30.7	217.2	18,800*	35.6	228.7	17,100	39.8	236.9	15,400	43.5	242.5	13,800	46.8	245.8	12,200	205
210	16.0	172.5	14,900*	24.0	197.6	16,800*	27.8	208.1	17,800*	33.0	221.3	16,300	37.4	230.6	14,700	41.3	236.9	13,100	44.8	240.8	11,600	210
215	9.2	149.5	13,300*	20.2	185.1	15,800*	24.5	197.7	16,900*	30.2	213.0	15,600	35.0	223.7	14,000	39.1	230.9	12,500	42.7	235.5	11,000	215
220				15.4	169.1	14,900*	20.7	185.5	16,000*	27.2	203.8	15,000	32.4	216.1	13,400	36.8	224.4	11,900	40.5	229.8	10,400	220
225				8.1	144.2	13,800*	16.0	170.0	15,000*	23.8	193.1	14,300	29.6	207.6	12,800	34.3	217.3	11,300	38.2	223.7	9,900	225
230							9.3	147.1	14,000*	19.9	180.5	13,700	26.5	198.1	12,200	31.6	209.5	10,800	35.9	216.9	9,400	230
235										15.1	164.3	13,100	23.0	187.1	11,700	28.7	200.8	10,300	33.3	209.6	8,900	235
240										7.5	138.4	12,400	19.0	173.8	11,100	25.5	190.9	9,800	30.6	201.5	8,400	240
245													13.8	156.3	10,600	21.9	179.3	9,300	27.6	192.3	8,000	245
250													4.2	123.3	10,000	17.6	165.1	8,800	24.3	181.9	7,600	250
255																11.8	145.5	8,300	20.4	169.5	7,100	255
260																			15.7	153.8	6,700	260
265																			8.8	130.0	6,300	265

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	63.6	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

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	67.1	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	64.3	197.5	94,000b													65
70	50.1	189.3	96,300*	59.3	195.4	97,300b	60.2	194.8	86,100b													70
75	45.2	184.6	89,000*	55.0	192.0	89,100	56.0	191.5	79,200													75
80	39.8	178.9	80,900*	50.4	188.1	82,100	51.5	187.7	73,400	60.2	191.9	69,000b										80
85	33.7	172.0	74,000*	45.5	183.4	76,000	46.6	183.2	68,200	56.0	188.7	64,100										85
90	26.3	163.0	68,100*	40.2	177.9	70,600	41.4	177.9	63,600	51.5	184.9	59,900										90
95	16.0	149.5	62,900*	34.1	171.0	65,900	35.5	171.4	59,600	46.6	180.4	56,000	55.7	184.8	52,500							95
100				26.8	162.2	61,700	28.6	163.1	55,900	41.4	175.1	52,600	51.2	180.9	49,300							100
105				16.8	149.1	57,800	19.5	151.4	52,600	35.5	168.6	49,500	46.4	176.4	46,400							105
110										28.6	160.3	46,700	41.1	171.0	43,800	50.6	175.8	40,900				110
115										19.5	148.6	44,100	35.2	164.4	41,400	45.7	171.2	38,600				115
120													28.2	156.0	39,200	40.4	165.7	36,600				120
125													18.8	144.0	37,100	34.3	158.9	34,700	44.6	164.8	32,300	125
130																27.1	150.2	32,900	39.1	159.0	30,600	130
135																17.2	137.3	31,200	32.9	151.9	29,100	135
140																			25.3	142.6	27,600	140
145																			14.2	127.9	26,200	145
150																						150

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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 IN
THE SCOPE OF ANSI B30.5

M-250

**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 CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	71.9	223.3	114,500*																			50
55	68.9	221.5	107,800*																			55
60	65.7	219.3	101,900*																			60
65	62.5	216.8	96,500*	69.0	220.2	106,200b																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 IN
THE SCOPE OF ANSI B30.5

M-250

**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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	73.6	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 IN
THE SCOPE OF ANSI B30.5

M-250

**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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.0	244.3	107,400*																			50
55	72.5	242.8	101,500*																			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 IN
THE SCOPE OF ANSI B30.5

M-250

**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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	75.1	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	85,800*																75
80	64.1	254.1	75,100*	68.7	257.3	79,600																80
85	61.8	251.5	71,900*	66.5	255.1	73,600																85
90	59.5	248.6	68,900*	64.3	252.8	68,300	67.0	254.3	65,600													90
95	57.0	245.4	63,600*	62.0	250.2	63,700	64.8	252.1	61,100													95
100	54.5	242.0	58,900*	59.6	247.3	59,500	62.5	249.5	57,100													100
105	52.0	238.2	54,700*	57.2	244.2	55,900	60.1	246.7	53,600													105
110	49.3	234.0	51,000*	54.7	240.8	52,500	57.7	243.6	50,400	62.5	246.7	46,800										110
115	46.5	229.4	47,600*	52.1	237.0	49,500	55.3	240.3	47,500	60.1	243.9	44,100										115
120	43.6	224.3	44,600*	49.5	232.8	46,800	52.7	236.6	44,900	57.7	240.8	41,700										120
125	40.5	218.7	41,900*	46.7	228.2	44,300	50.1	232.5	42,500	55.3	237.4	39,400										125
130	37.2	212.3	39,500*	43.8	223.2	42,100	47.3	228.0	40,300	52.7	233.7	37,300	57.6	236.9	34,500							130
135	33.6	205.2	37,200*	40.7	217.6	40,000	44.4	223.1	38,300	50.1	229.6	35,400	55.1	233.5	32,700							135
140	29.7	196.9	35,100*	37.4	211.3	38,000	41.4	217.6	36,400	47.3	225.2	33,700	52.6	229.8	31,000							140
145	25.2	187.0	33,200*	33.9	204.2	36,200	38.2	211.5	34,600	44.4	220.2	32,100	49.9	225.7	29,500							145
150	19.7	174.6	31,500*	29.9	196.0	34,500	34.7	204.6	33,000	41.4	214.7	30,500	47.2	221.2	28,100	52.2	224.7	25,700				150
155	11.9	156.2	29,200*	25.5	186.3	32,900	30.8	196.6	31,500	38.2	208.6	29,100	44.3	216.2	26,800	49.6	220.6	24,500				155
160				20.0	174.0	31,500	26.5	187.3	30,100	34.7	201.7	27,800	41.2	210.7	25,500	46.8	216.0	23,300				160
165				12.5	156.3	29,900*	21.4	175.7	28,800	30.8	193.8	26,600	38.0	204.5	24,400	43.9	211.0	22,300	46.2	209.6	19,200	165
170							14.5	159.8	27,500	26.5	184.4	25,400	34.5	197.6	23,300	40.8	205.4	21,200	43.2	204.5	18,400	170
175										21.4	172.9	24,300	30.6	189.6	22,300	37.5	199.2	20,300				175
180										14.5	156.9	23,200	26.2	180.1	21,300	34.0	192.1	19,400	40.1	198.8	17,500	180
185													21.0	168.4	20,300	30.1	183.9	18,500	36.8	192.4	16,700	185
190													14.0	152.1	19,400	25.6	174.2	17,700	33.2	185.1	16,000	190
195																20.3	162.1	16,900	29.2	176.6	15,200	195
200																12.8	144.7	16,100	24.6	166.5	14,500	200
205																			18.9	153.7	13,900	205
210																			10.6	133.9	13,200	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.1	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	79,000*																80
85	63.8	262.8	69,700*	68.2	266.0	73,100																85
90	61.7	260.1	66,800*	66.1	263.9	67,800																90
95	59.5	257.3	64,100*	64.0	261.5	63,200	66.6	263.1	60,600													95
100	57.2	254.1	59,900*	61.8	258.9	59,100	64.4	260.7	56,700													100
105	54.9	250.7	55,600*	59.6	256.0	55,400	62.3	258.2	53,100													105
110	52.5	247.0	51,800*	57.4	252.9	52,100	60.1	255.4	49,900													110
115	50.1	242.9	48,400*	55.1	249.5	49,100	57.9	252.3	47,000	62.3	255.3	43,600										115
120	47.5	238.4	45,300*	52.7	245.8	46,400	55.6	249.0	44,400	60.1	252.5	41,200										120
125	44.8	233.5	42,500*	50.2	241.7	43,900	53.2	245.3	42,000	57.9	249.5	38,900										125
130	42.0	228.2	40,000*	47.7	237.3	41,600	50.8	241.3	39,800	55.6	246.1	36,900										130
135	39.1	222.2	37,700*	45.0	232.4	39,500	48.2	237.0	37,800	53.2	242.5	35,000	57.7	245.6	32,200							135
140	35.9	215.6	35,600*	42.2	227.1	37,600	45.6	232.2	36,000	50.8	238.5	33,200	55.4	242.2	30,600							140
145	32.5	208.1	33,600*	39.3	221.2	35,800	42.8	227.0	34,200	48.2	234.2	31,600	53.1	238.5	29,000							145
150	28.6	199.4	31,800*	36.1	214.6	34,100	39.9	221.2	32,600	45.6	229.4	30,100	50.6	234.5	27,600							150
155	24.3	189.2	30,100*	32.7	207.1	32,600	36.8	214.8	31,100	42.8	224.2	28,700	48.1	230.2	26,300	52.8	233.5	24,000				155
160	19.0	176.2	28,600*	28.9	198.6	31,100	33.5	207.6	29,700	39.9	218.4	27,400	45.5	225.4	25,100	50.3	229.5	22,800				160
165	11.5	157.2	25,200*	24.6	188.4	29,700	29.8	199.3	28,400	36.8	212.0	26,100	42.7	220.1	23,900	47.8	225.0	21,800				165
170				19.3	175.7	28,400	25.6	189.6	27,200	33.5	204.7	25,000	39.8	214.3	22,800	45.1	220.2	20,800	47.2	218.7	17,900	170
175				12.0	157.3	26,800*	20.6	177.5	26,000	29.8	196.4	23,900	36.6	207.9	21,800	42.3	214.9	19,800	44.5	213.8	17,000	175
180							14.0	161.0	24,800	25.6	186.7	22,900	33.3	200.6	20,900	39.4	209.0	18,900				180
185										20.6	174.7	21,900	29.5	192.2	19,900	36.2	202.4	18,100	41.7	208.3	16,200	185
190										14.0	158.1	20,900	25.3	182.4	19,100	32.8	195.0	17,300	38.7	202.3	15,500	190
195													20.3	170.2	18,200	29.0	186.5	16,500	35.5	195.6	14,800	195
200													13.5	153.2	17,400	24.7	176.4	15,800	32.0	188.0	14,100	200
205																19.5	163.8	15,000	28.2	179.1	13,400	205
210																12.4	145.8	14,300	23.7	168.6	12,800	210
215																			18.2	155.2	12,200	215
220																			10.2	134.8	11,600	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.1	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	72,600																85
90	63.6	271.4	65,000*	67.7	274.8	67,400																90
95	61.6	268.8	62,500*	65.7	272.6	62,700																95
100	59.5	265.9	59,400*	63.7	270.2	58,600	66.2	271.8	56,200													100
105	57.4	262.8	55,100*	61.7	267.5	54,900	64.2	269.4	52,600													105
110	55.2	259.4	51,300*	59.6	264.7	51,600	62.2	266.8	49,400													110
115	53.0	255.7	47,800*	57.5	261.6	48,700	60.1	264.0	46,600													115
120	50.7	251.7	44,800*	55.4	258.2	45,900	58.0	261.0	43,900	62.2	264.0	40,600										120
125	48.4	247.4	42,000*	53.2	254.5	43,500	55.9	257.7	41,600	60.1	261.2	38,400										125
130	45.9	242.7	39,400*	50.9	250.6	41,200	53.7	254.1	39,400	58.0	258.1	36,300										130
135	43.3	237.5	37,100*	48.5	246.2	39,100	51.4	250.2	37,400	55.9	254.8	34,500										135
140	40.6	231.9	35,000*	46.1	241.6	37,200	49.0	245.9	35,500	53.7	251.2	32,700	57.9	254.2	30,000							140
145	37.8	225.7	33,100*	43.5	236.4	35,400	46.6	241.3	33,800	51.4	247.3	31,100	55.7	250.9	28,500							145
150	34.7	218.7	31,300*	40.8	230.8	33,700	44.1	236.3	32,200	49.0	243.1	29,600	53.5	247.3	27,100							150
155	31.4	210.9	29,600*	37.9	224.6	32,200	41.4	230.8	30,700	46.6	238.5	28,200	51.3	243.4	25,800							155
160	27.7	201.9	28,100*	34.9	217.7	30,700	38.6	224.8	29,300	44.1	233.5	26,900	48.9	239.1	24,600							160
165	23.5	191.2	26,600*	31.6	210.0	29,400	35.6	218.0	28,000	41.4	228.0	25,700	46.5	234.5	23,400	51.0	238.3	21,200				165
170	18.4	177.8	25,300*	27.9	201.1	28,100	32.3	210.5	26,700	38.6	221.9	24,500	43.9	229.5	22,300	48.6	234.0	20,200				170
175	11.1	158.2	22,200*	23.8	190.5	26,700*	28.8	201.9	25,600	35.6	215.2	23,400	41.3	223.9	21,300	46.1	229.3	19,300				175
180				18.7	177.3	25,400*	24.7	191.7	24,500	32.3	207.6	22,400	38.4	217.8	20,400	43.6	224.2	18,400				180
185				11.6	158.3	23,700*	19.9	179.3	23,400	28.8	199.0	21,400	35.4	211.1	19,500	40.9	218.6	17,500	45.6	222.9	15,700	185
190							13.5	162.2	22,400	24.7	188.9	20,500	32.2	203.5	18,600	38.1	212.5	16,700	43.0	217.7	14,900	190
195										19.9	176.4	19,600	28.6	194.8	17,800	35.0	205.6	16,000	40.3	212.0	14,200	195
200										13.5	159.3	18,800	24.5	184.5	17,000	31.7	197.9	15,300	37.4	205.7	13,600	200
205													19.6	171.9	16,300	28.1	189.0	14,600	34.3	198.7	12,900	205
210													13.1	154.3	15,500	23.9	178.5	13,900	31.0	190.7	12,300	210
215																18.9	165.5	13,300	27.2	181.6	11,700	215
220																12.0	146.8	12,600	22.9	170.7	11,200	220
225																			17.6	156.8	10,600	225
230																			9.8	135.6	10,000	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	76.0	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	69,700*																85
90	65.3	282.6	63,400*	69.1	285.6	67,100																90
95	63.4	280.1	61,000*	67.2	283.5	62,400																95
100	61.5	277.5	58,600*	65.4	281.3	58,300	67.6	282.7	55,900													100
105	59.5	274.6	54,800*	63.5	278.8	54,700	65.8	280.5	52,300													105
110	57.6	271.5	51,000*	61.6	276.2	51,400	63.9	278.1	49,100													110
115	55.5	268.1	47,500*	59.7	273.3	48,400	62.0	275.5	46,300													115
120	53.5	264.5	44,500*	57.7	270.2	45,700	60.1	272.7	43,700													120
125	51.3	260.6	41,700*	55.7	266.9	43,200	58.1	269.7	41,300	62.0	272.7	38,100										125
130	49.1	256.3	39,100*	53.6	263.3	40,900	56.1	266.4	39,100	60.1	269.8	36,100										130
135	46.8	251.8	36,800*	51.4	259.4	38,800	54.0	262.8	37,100	58.1	266.8	34,200										135
140	44.4	246.8	34,700*	49.2	255.2	36,900	51.9	259.0	35,200	56.1	263.5	32,400										140
145	42.0	241.4	32,800*	47.0	250.6	35,100	49.7	254.9	33,500	54.0	260.0	30,800	58.0	262.9	28,200							145
150	39.4	235.5	31,000*	44.6	245.7	33,500	47.5	250.4	31,900	51.9	256.1	29,300	56.0	259.6	26,800							150
155	36.6	229.0	29,300*	42.1	240.3	31,900	45.1	245.5	30,400	49.7	252.0	27,900	53.9	256.0	25,500							155
160	33.6	221.8	27,800*	39.5	234.4	30,500	42.7	240.3	29,000	47.5	247.5	26,600	51.8	252.2	24,300							160
165	30.4	213.6	26,300*	36.8	228.0	29,100	40.1	234.5	27,700	45.1	242.7	25,400	49.6	248.0	23,100							165
170	26.8	204.3	25,000*	33.8	220.8	27,900*	37.4	228.2	26,500	42.7	237.4	24,300	47.3	243.6	22,100	51.5	247.1	19,900				170
175	22.8	193.2	23,700*	30.6	212.7	26,400*	34.5	221.2	25,400	40.1	231.6	23,200	45.0	238.7	21,100	49.3	242.9	19,000				175
180	17.8	179.4	22,500*	27.1	203.5	25,100*	31.3	213.3	24,300	37.4	225.3	22,200	42.5	233.4	20,100	47.0	238.4	18,100				180
185	10.7	159.1	19,700*	23.0	192.5	23,800*	27.9	204.3	23,300	34.5	218.3	21,200	40.0	227.6	19,200	44.7	233.5	17,300				185
190				18.1	178.9	22,600*	24.0	193.9	22,300	31.3	210.4	20,300	37.2	221.2	18,400	42.2	228.1	16,500				190
195				11.3	159.2	21,100*	19.3	181.0	21,300	27.9	201.5	19,500	34.3	214.2	17,600	39.6	222.3	15,700	46.5	232.0	14,700	195
200							13.1	163.3	20,400	24.0	191.0	18,600	31.2	206.3	16,800	36.9	215.8	15,000	44.2	227.0	14,000	200
205										19.3	178.1	17,800	27.7	197.2	16,100	33.9	208.7	14,300	41.7	221.6	13,300	205
210										13.1	160.4	17,100	23.7	186.6	15,400	30.7	200.6	13,700	39.0	215.6	12,700	210
215													27.2	191.4	14,700	27.2	191.4	13,100	36.2	209.0	12,100	215
220													12.7	155.4	14,000	23.2	180.6	12,500	33.3	201.7	11,500	220
225																18.3	167.1	11,900	30.0	193.4	11,000	225
230																11.6	147.8	11,300	26.4	183.9	10,400	230
235																			22.2	172.6	9,900	235
240																			17.1	158.3	9,400	240
																			9.5	136.4	8,900	240

MANITOWOC ENGINEERING CO.

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THE SCOPE OF ANSI B30.5

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.2	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	63,900*																90
95	65.0	291.3	59,200*	68.6	294.3	61,900*																95
100	63.2	288.8	57,000*	66.8	292.2	57,900																100
105	61.4	286.1	54,300*	65.1	290.0	54,200	67.2	291.4	51,800													105
110	59.6	283.2	50,400*	63.3	287.5	50,900	65.5	289.2	48,700													110
115	57.7	280.1	47,000*	61.5	284.9	47,900	63.7	286.8	45,800													115
120	55.8	276.8	43,900*	59.7	282.0	45,200	61.9	284.2	43,200													120
125	53.8	273.2	41,100*	57.8	278.9	42,800	60.1	281.4	40,800													125
130	51.8	269.4	38,600*	55.9	275.6	40,500	58.2	278.3	38,600	61.9	281.3	35,500										130
135	49.8	265.2	36,300*	54.0	272.0	38,400	56.3	275.1	36,600	60.1	278.5	33,700										135
140	47.6	260.8	34,200*	51.9	268.2	36,500	54.4	271.6	34,800	58.2	275.5	31,900										140
145	45.4	256.0	32,200*	49.9	264.1	34,700	52.4	267.8	33,100	56.3	272.2	30,300										145
150	43.1	250.8	30,400*	47.8	259.6	33,100	50.3	263.7	31,500	54.4	268.7	28,800										150
155	40.7	245.1	28,800*	45.6	254.9	31,500	48.2	259.4	30,000	52.4	264.9	27,400	56.2	268.3	25,000							155
160	38.2	239.0	27,200*	43.3	249.7	30,100	46.0	254.7	28,600	50.3	260.9	26,200	54.3	264.8	23,800							160
165	35.5	232.2	25,800*	40.9	244.1	28,700	43.8	249.6	27,300	48.2	256.5	24,900	52.3	261.0	22,600							165
170	32.6	224.7	24,400*	38.3	237.9	27,300*	41.4	244.0	26,100	46.0	251.8	23,800	50.2	256.9	21,600							170
175	29.5	216.3	23,200*	35.7	231.2	25,900*	38.9	238.0	24,900	43.8	246.7	22,700	48.1	252.5	20,600	52.0	255.9	18,400				175
180	26.1	206.6	22,000*	32.8	223.7	24,500*	36.3	231.4	23,900	41.4	241.2	21,700	45.9	247.8	19,600	50.0	251.8	17,600				180
185	22.1	195.2	20,900*	29.7	215.4	23,300*	33.5	224.2	22,800	38.9	235.2	20,800	43.6	242.7	18,700	47.8	247.4	16,700				185
190	17.3	180.9	19,800*	26.3	205.8	22,100*	30.4	216.0	21,900	36.3	228.6	19,900	41.3	237.2	17,900	45.6	242.6	16,000				190
195	10.4	160.0	17,300*	22.4	194.5	21,000*	27.1	206.7	21,000	33.5	221.3	19,000	38.8	231.1	17,100	43.3	237.5	15,200	47.4	241.1	13,400	195
200				17.6	180.4	19,900*	23.3	195.9	20,100	30.4	213.2	18,200	36.1	224.5	16,300	41.0	231.9	14,500	45.1	236.2	12,800	200
205				11.0	160.2	18,600*	18.8	182.6	19,200	27.1	203.9	17,400	33.3	217.2	15,600	38.4	225.8	13,800	42.8	231.0	12,100	205
210							12.7	164.4	18,400	23.3	193.1	16,700	30.2	209.0	14,900	35.8	219.0	13,200	40.4	225.3	11,500	210
215										18.8	179.8	16,000	26.9	199.6	14,300	32.9	211.6	12,600	37.9	219.0	11,000	215
220										12.7	161.5	15,200	23.0	188.7	13,600	29.8	203.3	12,000	35.2	212.2	10,400	220
225													18.5	175.2	13,000	26.4	193.8	11,400	32.3	204.6	9,900	225
230													12.3	156.5	12,400	22.5	182.6	10,900	29.1	196.0	9,400	230
235																17.8	168.6	10,400	25.6	186.2	8,900	235
240																11.3	148.7	9,800	21.6	174.5	8,500	240
245																			16.6	159.7	8,000	245
250																			9.3	137.2	7,500	250

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M-250

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			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	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	57,900*																95
100	64.7	300.0	55,500*	68.1	303.1	56,500*																100
105	63.0	297.5	53,500*	66.5	301.0	53,800																105
110	61.3	294.8	49,900*	64.8	298.7	50,500	66.9	300.2	48,200													110
115	59.6	291.9	46,500*	63.2	296.2	47,500	65.2	297.9	45,300													115
120	57.8	288.8	43,400*	61.4	293.5	44,800	63.5	295.5	42,700													120
125	56.0	285.5	40,700*	59.7	290.7	42,300	61.8	292.8	40,400													125
130	54.2	282.0	38,100*	57.9	287.6	40,100	60.1	290.0	38,200													130
135	52.3	278.2	35,800*	56.1	284.3	38,000	58.3	287.0	36,200	61.8	290.0	33,200										135
140	50.3	274.1	33,700*	54.3	280.8	36,100	56.5	283.7	34,400	60.1	287.2	31,500										140
145	48.3	269.8	31,700*	52.4	277.0	34,300	54.7	280.3	32,600	58.3	284.1	29,900										145
150	46.3	265.1	29,900*	50.5	272.9	32,700	52.8	276.6	31,100	56.5	280.9	28,400										150
155	44.1	260.1	28,300*	48.5	268.6	31,100	50.9	272.6	29,600	54.7	277.4	27,000										155
160	41.9	254.6	26,700*	46.4	264.0	29,700	48.9	268.3	28,200	52.8	273.7	25,700	56.4	277.0	23,300							160
165	39.6	248.7	25,300*	44.3	258.9	28,400	46.9	263.7	26,900	50.9	269.7	24,500	54.6	273.5	22,200							165
170	37.1	242.3	24,000*	42.0	253.5	26,800*	44.7	258.8	25,700	48.9	265.5	23,400	52.7	269.8	21,100							170
175	34.5	235.3	22,700*	39.7	247.7	25,400*	42.5	253.5	24,600	46.9	260.9	22,300	50.8	265.8	20,100							175
180	31.7	227.5	21,500*	37.3	241.3	24,100*	40.2	247.7	23,500	44.7	255.9	21,300	48.8	261.5	19,200	52.5	264.7	17,100				180
185	28.7	218.8	20,400*	34.7	234.3	22,800*	37.8	241.5	22,500	42.5	250.6	20,400	46.7	256.9	18,300	50.5	260.7	16,300				185
190	25.3	208.8	19,400*	31.9	226.6	21,600*	35.3	234.6	21,500	40.2	244.9	19,500	44.6	251.9	17,500	48.5	256.4	15,500				190
195	21.5	197.1	18,400*	28.9	217.9	20,500*	32.5	227.1	20,600	37.8	238.6	18,600	42.4	246.6	16,700	46.5	251.7	14,800				195
200	16.8	182.4	17,400*	25.6	208.1	19,400*	29.6	218.7	19,700	35.3	231.8	17,800	40.1	240.8	15,900	44.3	246.7	14,100				200
205	10.1	160.8	15,100*	21.7	196.4	18,400*	26.3	209.1	18,900	32.5	224.2	17,000	37.7	234.5	15,200	42.1	241.3	13,400	46.0	245.3	11,700	205
210				17.1	181.9	17,500*	22.6	197.9	18,100	29.6	215.8	16,300	35.1	227.7	14,500	39.8	235.5	12,800	43.9	240.3	11,100	210
215				10.6	161.1	16,300*	18.2	184.2	17,300	26.3	206.2	15,600	32.4	220.1	13,900	37.4	229.1	12,200	41.6	234.8	10,500	215
220							12.4	165.4	16,600	22.6	195.1	14,900	29.4	211.6	13,200	34.8	222.2	11,600	39.3	228.8	10,000	220
225										18.2	181.4	14,300	26.1	201.9	12,600	32.0	214.5	11,000	36.8	222.4	9,500	225
230										22.4	190.6	13,600	22.4	190.6	12,100	29.0	205.9	10,500	34.2	215.3	9,000	230
235										18.0	176.8	11,500	18.0	176.8	11,500	25.7	196.0	10,000	31.4	207.4	8,500	235
240										12.0	157.5	10,900				21.9	184.5	9,500	28.3	198.5	8,100	240
245																17.3	170.1	9,000	24.9	188.4	7,600	245
250																10.9	149.7	8,500	21.0	176.3	7,200	250
255																			16.1	161.1	6,800	255
260																			9.0	137.9	6,300	260

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	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	53,500*																95
100	66.1	311.0	51,000*	69.3	313.9	52,600*																100
105	64.5	308.6	48,500*	67.7	311.9	51,500*																105
110	62.9	306.1	46,200*	66.2	309.7	50,000																110
115	61.3	303.4	44,000*	64.6	307.4	47,100	66.5	308.9	44,900													115
120	59.6	300.6	41,800*	63.0	304.9	44,400	64.9	306.6	42,300													120
125	57.9	297.5	39,700*	61.4	302.2	41,900	63.4	304.1	39,900													125
130	56.2	294.2	37,700*	59.7	299.3	39,600	61.7	301.5	37,700													130
135	54.5	290.7	35,700*	58.0	296.3	37,600	60.1	298.7	35,700													135
140	52.7	287.0	33,500*	56.3	293.0	35,600	58.4	295.7	33,900	61.7	298.7	31,000										140
145	50.9	283.0	31,600*	54.6	289.5	33,900	56.7	292.4	32,200	60.1	295.8	29,400										145
150	49.0	278.7	29,700*	52.8	285.8	32,200	55.0	289.0	30,600	58.4	292.8	27,900										150
155	47.0	274.1	28,000*	51.0	281.8	30,700	53.2	285.3	29,100	56.7	289.6	26,500										155
160	45.0	269.3	26,500*	49.1	277.5	29,300	51.4	281.4	27,700	55.0	286.1	25,200										160
165	43.0	264.0	25,000*	47.1	273.0	27,900	49.5	277.2	26,400	53.2	282.5	24,000	56.6	285.7	21,600							165
170	40.8	258.4	23,600*	45.1	268.1	26,600*	47.6	272.7	25,200	51.4	278.6	22,900	54.9	282.2	20,600							170
175	38.5	252.3	22,300*	43.1	262.9	25,100*	45.6	268.0	24,100	49.5	274.4	21,800	53.1	278.5	19,600							175
180	36.1	245.6	21,200*	40.9	257.3	23,700*	43.5	262.8	23,000	47.6	269.9	20,800	51.3	274.6	18,700							180
185	33.6	238.3	20,000*	38.7	251.2	22,400*	41.4	257.3	22,000	45.6	265.1	19,900	49.4	270.4	17,800	52.9	273.5	15,700				185
190	30.9	230.3	19,000*	36.3	244.6	21,200*	39.2	251.3	21,100	43.5	260.0	19,000	47.5	265.9	16,900	51.0	269.5	15,000				190
195	28.0	221.3	18,000*	33.8	237.4	20,100*	36.8	244.8	20,200	41.4	254.4	18,100	45.5	261.1	16,200	49.2	265.3	14,200				195
200	24.7	211.0	17,000*	31.1	229.4	19,100*	34.3	237.7	19,300	39.2	248.5	17,300	43.4	255.9	15,400	47.2	260.8	13,500				200
205	20.9	198.9	16,100*	28.1	220.4	18,000*	31.7	229.9	18,500	36.8	242.0	16,600	41.3	250.4	14,700	45.2	255.9	12,900				205
210	16.4	183.8	15,300*	24.9	210.3	17,100*	28.8	221.2	17,700	34.3	234.9	15,800	39.0	244.4	14,000	43.2	250.7	12,200	46.8	254.4	10,500	210
215	9.9	161.7	13,100*	21.2	198.3	16,200*	25.6	211.4	17,000	31.7	227.1	15,200	36.7	237.9	13,400	41.0	245.1	11,600	44.8	249.5	10,000	215
220				16.7	183.4	15,300*	22.0	199.8	16,200	28.8	218.4	14,500	34.2	230.8	12,800	38.7	239.0	11,100	42.7	244.2	9,400	220
225				10.4	162.0	14,300*	17.8	185.7	15,500	25.6	208.5	13,800	31.5	222.9	12,200	36.4	232.4	10,500	40.5	238.5	8,900	225
230							12.1	166.5	14,700*	22.0	197.0	13,200	28.6	214.1	11,600	33.9	225.2	10,000	38.2	232.3	8,500	230
235										17.8	182.9	12,600	25.5	204.2	11,100	31.2	217.3	9,500	35.9	225.6	8,000	235
240										12.1	163.6	12,100	21.8	192.6	10,500	28.3	208.4	9,000	33.3	218.3	7,500	240
245													17.5	178.3	10,000	25.0	198.3	8,500	30.6	210.1	7,100	245
250													11.6	158.5	9,500	21.3	186.4	8,100	27.6	201.0	6,700	250
255																16.8	171.6	7,600	24.3	190.5	6,300	255
260																10.7	150.6	7,200	20.4	178.1	5,900	260
265																			15.7	162.5	5,500	265
270																			8.8	138.7	5,100	270

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**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*																			50
55	59.2	198.2	116,200*																			55
60	54.3	194.8	109,600*	65.0	200.1	118,500b																60
65	49.0	190.6	103,600*	60.4	197.4	106,800b	66.5	199.5	102,900b													65
70	43.2	185.6	98,300*	55.5	194.1	97,100b	61.9	196.9	93,500b													70
75	36.7	179.4	89,300*	50.3	190.2	88,900	57.1	193.9	85,600b													75
80	28.9	171.4	81,100*	44.6	185.4	81,900	52.0	190.2	78,900	62.7	194.4	73,800b										80
85	18.2	159.3	74,200*	38.3	179.5	75,800	46.5	185.7	73,000	57.9	191.4	68,300b										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 IN
THE SCOPE OF ANSI B30.5

M-250

**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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	67.4	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	118,000b																60
65	55.0	203.5	100,900*	64.4	208.8	106,300b																65
70	50.5	199.6	95,700*	60.3	206.0	96,700b	65.7	208.2	93,000b													70
75	45.6	194.9	89,600*	56.1	202.8	88,500	61.7	205.6	85,100b													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	67,700b										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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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 IN
THE SCOPE OF ANSI B30.5

M-250

**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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	72.1	233.5	113,600*																			50
55	69.1	231.6	107,100*																			55
60	66.0	229.5	101,200*																			60
65	62.8	227.0	95,900*	69.8	230.6	105,400b																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	84,100b													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 IN
THE SCOPE OF ANSI B30.5

M-250

**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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	73.8	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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	75.2	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 IN
THE SCOPE OF ANSI B30.5

M-250

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	86,400																75
80	62.1	253.0	76,600*	67.6	256.9	79,400																80
85	59.6	250.1	73,300*	65.2	254.6	73,500																85
90	57.0	247.0	69,800*	62.7	252.1	68,200	66.0	254.0	65,300													90
95	54.3	243.5	64,400*	60.2	249.3	63,600	63.5	251.6	60,900													95
100	51.5	239.6	59,600*	57.6	246.2	59,500	61.0	248.9	56,900													100
105	48.6	235.4	55,400*	54.9	242.8	55,800	58.4	245.9	53,400													105
110	45.6	230.6	51,700*	52.2	239.1	52,500	55.8	242.6	50,200	61.4	246.3	46,400										110
115	42.4	225.3	48,300*	49.3	234.9	49,600	53.1	239.0	47,400	58.9	243.4	43,700										115
120	38.9	219.4	45,300*	46.3	230.3	46,900	50.2	234.9	44,800	56.3	240.2	41,300										120
125	35.2	212.6	42,600*	43.1	225.1	44,400	47.3	230.5	42,400	53.6	236.6	39,100										125
130	31.2	204.8	40,100*	39.8	219.3	42,100	44.2	225.5	40,200	50.7	232.6	37,000	56.6	236.6	33,900							130
135	26.5	195.5	37,800*	36.1	212.8	40,000	40.9	219.9	38,200	47.8	228.2	35,200	53.9	233.0	32,200							135
140	20.9	183.8	35,700*	32.2	205.3	38,100	37.4	213.7	36,300	44.7	223.3	33,400	51.1	229.1	30,600							140
145	13.1	166.8	33,400*	27.7	196.4	36,300	33.5	206.5	34,600	41.5	217.9	31,800	48.1	224.8	29,100							145
150				22.3	185.4	34,600	29.2	198.1	33,000	38.0	211.7	30,300	45.1	219.9	27,700	51.1	224.3	25,100				150
155				15.3	170.2	33,000	24.2	187.9	31,500	34.2	204.7	28,900	41.8	214.5	26,400	48.2	220.0	23,900				155
160							17.9	174.5	30,000	30.0	196.6	27,600	38.4	208.5	25,200	45.2	215.2	22,800				160
165							7.2	150.9	28,600	25.1	186.8	26,400	34.6	201.6	24,000	41.9	209.8	21,700				165
170										19.1	174.1	25,200	30.5	193.6	23,000	38.5	203.8	20,700	45.0	209.2	18,600	170
175										9.9	154.0	24,000	25.7	184.0	21,900	34.7	196.9	19,800	41.7	203.8	17,700	175
180													19.8	171.7	21,000	30.6	189.0	18,900	38.3	197.7	16,900	180
185													11.3	153.1	20,000	25.8	179.4	18,100	34.5	190.8	16,100	185
190																20.1	167.3	17,300	30.3	182.7	15,400	190
195																11.7	149.0	16,500	25.5	173.0	14,700	195
200																			19.6	160.7	14,000	200
205																			11.0	141.7	13,300	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**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	79,000																80
85	62.0	261.7	71,400*	67.1	265.6	73,000																85
90	59.6	258.8	68,400*	64.8	263.3	67,700	67.8	264.9	64,800													90
95	57.2	255.7	64,000*	62.5	260.8	63,100	65.5	262.7	60,300													95
100	54.7	252.2	59,200*	60.2	258.0	59,000	63.3	260.3	56,400													100
105	52.2	248.4	55,000*	57.8	254.9	55,400	60.9	257.6	52,900													105
110	49.5	244.3	51,200*	55.3	251.6	52,100	58.6	254.6	49,700													110
115	46.7	239.7	47,900*	52.8	247.9	49,100	56.1	251.3	46,900	61.3	255.0	43,200										115
120	43.8	234.7	44,800*	50.1	243.8	46,400	53.6	247.7	44,300	59.0	252.1	40,700										120
125	40.7	229.1	42,100*	47.4	239.3	44,000	51.0	243.8	41,900	56.5	248.9	38,500										125
130	37.5	222.8	39,600*	44.5	234.4	41,700	48.3	239.5	39,700	54.0	245.3	36,500										130
135	33.9	215.7	37,400*	41.5	228.9	39,600	45.5	234.7	37,700	51.4	241.4	34,600	56.8	245.3	31,600							135
140	30.0	207.5	35,300*	38.2	222.8	37,700	42.5	229.4	35,900	48.8	237.2	32,900	54.3	241.8	30,000							140
145	25.5	197.8	33,400*	34.8	215.9	35,900	39.3	223.5	34,200	45.9	232.5	31,300	51.7	237.9	28,500							145
150	20.1	185.6	31,600*	30.9	208.0	34,200	35.9	216.9	32,600	43.0	227.3	29,800	49.1	233.7	27,100							150
155	12.6	167.9	29,600*	26.6	198.7	32,700	32.2	209.4	31,100	39.9	221.5	28,400	46.3	229.1	25,900	51.8	233.2	23,300				155
160				21.5	187.2	31,200	28.1	200.6	29,700	36.5	215.1	27,200	43.3	223.9	24,700	49.1	229.0	22,200				160
165				14.7	171.4	29,800	23.3	189.9	28,400	32.9	207.7	25,900	40.2	218.2	23,500	46.4	224.3	21,200				165
170							17.2	176.0	27,100	28.8	199.2	24,800	36.9	211.8	22,500	43.4	219.2	20,200				170
175							7.0	151.5	25,900	24.2	188.9	23,700	33.3	204.6	21,500	40.3	213.5	19,300	46.2	218.3	17,100	175
180										18.4	175.7	22,600	29.3	196.2	20,500	37.0	207.2	18,400	43.2	213.2	16,300	180
185										9.6	154.8	21,600	24.7	186.1	19,600	33.4	200.0	17,600	40.1	207.4	15,600	185
190													19.1	173.4	18,700	29.4	191.6	16,800	36.8	201.0	14,900	190
195													10.9	154.0	17,900	24.9	181.6	16,000	33.2	193.7	14,200	195
200																19.3	169.0	15,300	29.2	185.3	13,500	200
205																11.2	150.0	14,600	24.6	175.2	12,900	205
210																			18.9	162.3	12,300	210
215																			10.6	142.6	11,600	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.3	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	78,500																80
85	64.0	272.9	69,100*	68.7	276.4	72,500																85
90	61.8	270.3	66,300*	66.6	274.3	67,300																90
95	59.6	267.5	63,700*	64.5	272.0	62,700	67.3	273.7	59,800													95
100	57.4	264.3	60,200*	62.4	269.5	58,600	65.2	271.4	55,900													100
105	55.1	260.9	55,900*	60.2	266.7	54,900	63.1	268.9	52,400													105
110	52.7	257.2	52,000*	57.9	263.6	51,700	60.9	266.2	49,300													110
115	50.2	253.2	48,600*	55.6	260.3	48,700	58.7	263.3	46,400													115
120	47.7	248.7	45,500*	53.3	256.6	46,000	56.4	260.0	43,800	61.3	263.7	40,200										120
125	45.0	243.9	42,700*	50.8	252.7	43,500	54.0	256.5	41,500	59.0	260.7	38,000										125
130	42.2	238.6	40,100*	48.3	248.3	41,300	51.6	252.6	39,300	56.8	257.5	36,000										130
135	39.3	232.7	37,800*	45.7	243.6	39,200	49.1	248.4	37,300	54.4	254.1	34,200										135
140	36.1	226.1	35,700*	42.9	238.4	37,300	46.5	243.8	35,400	52.0	250.3	32,400	57.0	253.9	29,500							140
145	32.7	218.6	33,700*	40.0	232.6	35,500	43.8	238.7	33,700	49.6	246.1	30,900	54.7	250.5	28,000							145
150	28.9	210.1	31,900*	36.9	226.2	33,800	41.0	233.2	32,200	47.0	241.6	29,400	52.3	246.7	26,700							150
155	24.6	200.0	30,200*	33.5	219.0	32,300	37.9	227.0	30,700	44.3	236.6	28,000	49.8	242.6	25,400							155
160	19.4	187.3	28,400*	29.8	210.7	30,800	34.7	220.0	29,300	41.5	231.1	26,700	47.3	238.1	24,200	52.4	242.0	21,700				160
165	12.1	169.0	25,600*	25.7	201.0	29,500	31.1	212.2	28,000	38.5	225.0	25,500	44.6	233.2	23,100	49.9	237.9	20,700				165
170				20.7	189.1	28,200	27.1	203.0	26,800	35.2	218.3	24,400	41.8	227.8	22,000	47.4	233.4	19,700				170
175				14.2	172.7	26,900	22.5	191.9	25,600	31.7	210.5	23,300	38.8	221.8	21,000	44.7	228.5	18,800				175
180							16.6	177.4	24,500	27.8	201.6	22,300	35.6	215.1	20,100	41.9	223.1	17,900	47.2	227.4	15,800	180
185							6.7	152.1	23,400	23.3	190.9	21,300	32.1	207.5	19,200	38.9	217.1	17,100	44.5	222.4	15,100	185
190										17.7	177.2	20,400	28.3	198.7	18,300	35.7	210.4	16,300	41.7	217.0	14,400	190
195										9.2	155.5	19,500	23.8	188.2	17,500	32.2	202.9	15,600	38.7	211.0	13,700	195
200													18.4	175.0	16,800	28.4	194.1	14,900	35.5	204.2	13,000	200
205													10.5	154.9	16,000	24.0	183.7	14,200	32.0	196.6	12,400	205
210																18.6	170.6	13,500	28.2	187.8	11,800	210
215																10.8	150.9	12,900	23.7	177.3	11,300	215
220																			18.2	163.9	10,700	220
225																			10.2	143.4	10,100	225

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.3	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	72,000																85
90	63.8	281.6	64,500*	68.1	285.2	66,800																90
95	61.7	279.0	62,000*	66.2	283.1	62,200																95
100	59.7	276.1	59,600*	64.2	280.7	58,100	66.8	282.4	55,400													100
105	57.6	273.0	55,400*	62.2	278.1	54,500	64.9	280.1	51,900													105
110	55.4	269.6	51,500*	60.2	275.3	51,200	62.9	277.6	48,800													110
115	53.2	266.0	48,100*	58.1	272.3	48,200	60.8	274.9	45,900													115
120	50.9	262.0	45,000*	55.9	269.0	45,500	58.7	271.9	43,300													120
125	48.5	257.7	42,200*	53.7	265.4	43,100	56.6	268.7	41,000	61.2	272.3	37,500										125
130	46.1	253.0	39,600*	51.4	261.5	40,800	54.4	265.2	38,800	59.1	269.4	35,500										130
135	43.5	247.9	37,300*	49.1	257.3	38,700	52.2	261.4	36,800	57.0	266.2	33,600										135
140	40.8	242.3	35,200*	46.7	252.7	36,800	49.9	257.3	35,000	54.8	262.8	31,900										140
145	38.0	236.1	33,200*	44.1	247.7	35,100	47.5	252.8	33,300	52.6	259.0	30,300	57.2	262.6	27,500							145
150	34.9	229.2	31,400*	41.5	242.2	33,400	45.0	248.0	31,700	50.3	255.0	28,900	55.0	259.2	26,100							150
155	31.6	221.5	29,700*	38.7	236.1	31,900	42.3	242.6	30,200	47.9	250.6	27,500	52.8	255.5	24,800							155
160	28.0	212.6	28,200*	35.7	229.4	30,400	39.6	236.8	28,800	45.4	245.8	26,200	50.5	251.5	23,600							160
165	23.8	202.1	26,700*	32.4	221.9	29,100	36.7	230.3	27,600	42.8	240.5	25,000	48.1	247.1	22,500	52.9	250.7	20,100				165
170	18.8	188.9	25,300*	28.9	213.3	27,800	33.5	223.1	26,300	40.1	234.8	23,900	45.7	242.4	21,500	50.6	246.7	19,100				170
175	11.7	170.0	22,600*	24.8	203.2	26,600	30.1	214.8	25,200	37.2	228.4	22,800	43.1	237.2	20,500	48.2	242.4	18,200				175
180				20.0	190.8	25,500	26.2	205.3	24,100	34.1	221.3	21,800	40.4	231.5	19,600	45.8	237.6	17,400				180
185				13.7	173.8	24,400	21.7	193.8	23,100	30.7	213.3	20,900	37.5	225.2	18,700	43.2	232.5	16,600				185
190							16.0	178.8	22,100	26.9	204.0	20,000	34.4	218.2	17,900	40.5	226.8	15,800				190
195							6.5	152.6	21,100	22.5	192.9	19,100	31.1	210.3	17,100	37.6	220.5	15,100	45.6	231.6	13,800	195
200										17.1	178.7	18,300	27.3	201.1	16,300	34.5	213.5	14,400	43.0	226.4	13,100	200
205										8.9	156.3	17,400	23.1	190.3	15,600	31.2	205.6	13,700	40.3	220.7	12,500	205
210													17.8	176.5	14,900	27.5	196.6	13,100	37.4	214.4	11,900	210
215													10.2	155.7	14,200	23.2	185.8	12,500	34.3	207.3	11,300	215
220																18.0	172.2	11,900	27.2	190.2	10,200	220
225																10.5	151.8	11,300	22.9	179.3	9,700	225
230																			17.6	165.4	9,200	230
235																			9.8	144.3	8,700	235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.4	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	66,500																90
95	63.5	290.3	60,500*	67.7	294.0	61,900																95
100	61.6	287.6	58,200*	65.8	291.8	57,800																100
105	59.7	284.8	55,100*	64.0	289.4	54,200	66.4	291.1	51,600													105
110	57.7	281.7	51,200*	62.1	286.8	50,900	64.6	288.8	48,500													110
115	55.7	278.4	47,800*	60.1	284.0	48,000	62.7	286.3	45,600													115
120	53.6	274.7	44,700*	58.2	280.9	45,300	60.8	283.5	43,000													120
125	51.5	270.9	41,900*	56.2	277.7	42,800	58.8	280.6	40,700	63.0	283.7	37,200										125
130	49.3	266.6	39,300*	54.1	274.1	40,600	56.8	277.4	38,500	61.1	281.0	35,200										130
135	47.0	262.1	37,000*	52.0	270.3	38,500	54.8	273.9	36,600	59.2	278.1	33,400										135
140	44.6	257.2	34,900*	49.8	266.2	36,600	52.7	270.2	34,700	57.2	274.9	31,600										140
145	42.1	251.8	32,900*	47.5	261.7	34,800	50.5	266.2	33,000	55.1	271.5	30,100										145
150	39.5	245.9	31,100*	45.2	256.9	33,200	48.3	261.8	31,400	53.0	267.8	28,600	57.4	271.3	25,800							150
155	36.8	239.4	29,400*	42.7	251.6	31,600	46.0	257.1	30,000	50.9	263.8	27,200	55.3	267.9	24,500							155
160	33.8	232.3	27,900*	40.2	245.8	30,200	43.5	252.0	28,600	48.7	259.5	26,000	53.3	264.3	23,400							160
165	30.6	224.2	26,400*	37.4	239.5	28,900	41.0	246.4	27,300	46.4	254.9	24,800	51.1	260.3	22,300							165
170	27.1	215.0	25,100*	34.6	232.5	27,600	38.3	240.3	26,100	44.0	249.8	23,600	48.9	256.1	21,200							170
175	23.1	204.1	23,800*	31.4	224.7	26,400	35.5	233.5	25,000	41.5	244.3	22,600	46.6	251.5	20,200	51.2	255.6	17,900				175
180	18.2	190.5	22,600*	28.0	215.8	25,300	32.5	226.0	23,900	38.8	238.3	21,600	44.2	246.4	19,300	49.0	251.3	17,100				180
185	11.4	170.9	20,100*	24.1	205.3	24,100*	29.1	217.4	22,900	36.0	231.7	20,600	41.7	241.0	18,400	46.7	246.7	16,300				185
190				19.4	192.5	22,900*	25.4	207.6	21,900	33.0	224.3	19,800	39.1	235.0	17,600	44.3	241.7	15,500				190
195				13.3	175.0	21,700*	21.0	195.7	21,000	29.7	215.9	18,900	36.3	228.5	16,800	41.8	236.3	14,800				195
200							15.6	180.1	20,100	26.1	206.3	18,100	33.3	221.2	16,100	39.2	230.4	14,100	46.5	240.7	12,900	200
205							6.3	153.1	19,200	21.8	194.8	17,300	30.1	212.9	15,400	36.4	223.8	13,500	44.2	235.7	12,200	205
210										16.6	180.2	16,600	26.5	203.5	14,700	33.4	216.5	12,900	41.7	230.2	11,600	210
215										8.6	157.0	15,800	22.3	192.2	14,000	30.2	208.3	12,300	39.0	224.2	11,100	215
220													17.3	178.0	13,400	26.6	198.9	11,700	36.2	217.7	10,500	220
225													9.8	156.6	12,800	22.5	187.8	11,100	33.3	210.3	10,000	225
230																17.5	173.7	10,600	30.0	202.1	9,500	230
235																10.2	152.6	10,000	26.4	192.6	9,000	235
240																			22.2	181.3	8,500	240
245																			17.1	166.9	8,100	245
																			9.5	145.1	7,600	245

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	75.3	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	63,300*																90
95	65.1	301.4	58,700*	69.0	304.7	61,400																95
100	63.3	299.0	56,600*	67.3	302.7	57,400																100
105	61.5	296.3	54,500*	65.5	300.5	53,700	67.8	302.0	51,100													105
110	59.7	293.4	50,700*	63.8	298.1	50,500	66.1	299.8	48,000													110
115	57.8	290.4	47,200*	62.0	295.4	47,500	64.3	297.5	45,100													115
120	55.9	287.1	44,100*	60.1	292.6	44,800	62.5	295.0	42,600													120
125	54.0	283.5	41,300*	58.3	289.6	42,400	60.7	292.2	40,200													125
130	52.0	279.7	38,800*	56.4	286.3	40,100	58.9	289.2	38,100	62.9	292.4	34,700										130
135	49.9	275.5	36,500*	54.4	282.8	38,000	57.0	286.1	36,100	61.0	289.7	32,800										135
140	47.8	271.1	34,300*	52.4	279.1	36,100	55.1	282.6	34,200	59.2	286.7	31,100										140
145	45.6	266.3	32,400*	50.4	275.0	34,400	53.1	279.0	32,600	57.3	283.6	29,500										145
150	43.3	261.1	30,600*	48.3	270.7	32,700	51.1	275.0	31,000	55.4	280.2	28,100										150
155	40.9	255.5	28,900*	46.1	266.0	31,200	49.0	270.8	29,500	53.4	276.6	26,700	57.5	280.0	24,000							155
160	38.4	249.4	27,300*	43.8	260.9	29,800	46.8	266.2	28,200	51.4	272.7	25,500	55.6	276.6	22,800							160
165	35.7	242.7	25,900*	41.5	255.4	28,400	44.6	261.2	26,900	49.3	268.5	24,300	53.7	273.0	21,700							165
170	32.8	235.2	24,500*	39.0	249.4	27,200	42.2	255.9	25,700	47.2	263.9	23,100	51.6	269.1	20,700							170
175	29.7	226.9	23,300*	36.3	242.8	26,000	39.8	250.0	24,500	45.0	259.1	22,100	49.6	265.0	19,700							175
180	26.3	217.3	22,100*	33.5	235.5	24,900*	37.2	243.7	23,500	42.6	253.8	21,100	47.4	260.5	18,800	51.7	264.4	16,500				180
185	22.4	206.1	21,000*	30.5	227.4	23,600*	34.5	236.6	22,500	40.2	248.0	20,200	45.2	255.6	17,900	49.6	260.2	15,700				185
190	17.6	192.0	19,900*	27.2	218.2	22,400*	31.5	228.8	21,500	37.7	241.7	19,300	42.9	250.4	17,100	47.5	255.8	15,000				190
195	11.0	171.9	17,600*	23.4	207.4	21,200*	28.3	220.0	20,600	35.0	234.8	18,400	40.5	244.7	16,300	45.3	250.9	14,300				195
200				18.9	194.2	20,200*	24.7	209.7	19,700	32.0	227.2	17,700	38.0	238.5	15,600	43.0	245.7	13,600	47.4	249.7	11,700	200
205				12.9	176.1	19,100*	20.4	197.4	18,900	28.9	218.5	16,900	35.3	231.7	14,900	40.6	240.0	12,900	45.1	244.9	11,100	205
210							15.1	181.5	18,100	25.3	208.6	16,200	32.4	224.1	14,200	38.0	233.8	12,300	42.8	239.6	10,500	210
215							6.1	153.6	17,300	21.2	196.7	15,500	29.2	215.5	13,600	35.3	227.0	11,700	40.4	233.9	10,000	215
220										16.1	181.6	14,800	25.7	205.8	13,000	32.5	219.5	11,200	37.9	227.7	9,400	220
225										8.4	157.7	14,100	21.7	194.2	12,400	29.3	211.0	10,600	35.2	220.8	9,000	225
230													16.8	179.5	11,800	25.8	201.2	10,100	32.3	213.2	8,500	230
235													9.5	157.4	11,200	21.8	189.7	9,600	29.1	204.7	8,000	235
240																16.9	175.1	9,100	25.6	194.8	7,600	240
245																9.9	153.5	8,600	21.6	183.2	7,200	245
250																			16.6	168.4	6,700	250
255																			9.3	145.8	6,300	255

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**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			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	74.5	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	57,900*																95
100	64.8	310.1	55,100*	68.5	313.5	56,500*																100
105	63.2	307.6	53,100*	66.9	311.4	53,300																105
110	61.5	305.0	50,200*	65.2	309.2	50,000	67.4	310.8	47,500													110
115	59.7	302.1	46,700*	63.6	306.7	47,100	65.8	308.6	44,700													115
120	58.0	299.0	43,600*	61.9	304.1	44,400	64.1	306.2	42,100													120
125	56.1	295.7	40,800*	60.1	301.3	41,900	62.4	303.6	39,800													125
130	54.3	292.2	38,300*	58.4	298.3	39,700	60.7	300.9	37,600													130
135	52.4	288.5	36,000*	56.6	295.0	37,600	58.9	297.9	35,600	62.7	301.0	32,400										135
140	50.5	284.4	33,800*	54.7	291.6	35,700	57.2	294.7	33,800	61.0	298.3	30,700										140
145	48.5	280.1	31,900*	52.9	287.9	34,000	55.3	291.4	32,100	59.2	295.4	29,100										145
150	46.4	275.4	30,100*	50.9	283.9	32,300	53.5	287.7	30,600	57.5	292.3	27,600										150
155	44.3	270.4	28,400*	49.0	279.6	30,800	51.6	283.8	29,100	55.7	288.9	26,300										155
160	42.1	265.0	26,800*	46.9	275.0	29,400	49.6	279.7	27,700	53.8	285.3	25,000	57.7	288.6	22,300							160
165	39.7	259.2	25,400*	44.8	270.1	28,100	47.6	275.2	26,500	51.9	281.5	23,800	55.9	285.3	21,200							165
170	37.3	252.8	24,000*	42.6	264.8	26,800	45.5	270.4	25,300	49.9	277.4	22,700	54.0	281.8	20,200							170
175	34.7	245.8	22,800*	40.3	259.1	25,600	43.3	265.2	24,100	47.9	272.9	21,700	52.1	277.9	19,300							175
180	31.9	238.1	21,600*	37.9	252.8	24,400*	41.1	259.6	23,100	45.8	268.2	20,700	50.2	273.9	18,300							180
185	28.9	229.5	20,500*	35.3	246.0	23,100*	38.7	253.6	22,100	43.7	263.1	19,800	48.2	269.5	17,500	52.2	273.2	15,300				185
190	25.6	219.6	19,400*	32.6	238.5	21,900*	36.2	246.9	21,100	41.4	257.6	18,900	46.1	264.8	16,700	50.2	269.1	14,500				190
195	21.8	208.0	18,400*	29.7	230.1	20,800*	33.5	239.6	20,200	39.1	251.6	18,000	43.9	259.7	15,900	48.2	264.7	13,800				195
200	17.2	193.5	17,500*	26.4	220.5	19,700*	30.6	231.5	19,400	36.6	245.1	17,300	41.7	254.2	15,200	46.1	260.0	13,100				200
205	10.7	172.8	15,400*	22.7	209.4	18,700*	27.5	222.4	18,600	34.0	237.9	16,500	39.4	248.3	14,500	44.0	255.0	12,500				205
210				18.3	195.8	17,700*	24.0	211.9	17,800	31.2	230.0	15,800	36.9	241.8	13,800	41.8	249.5	11,900	46.0	254.0	10,000	210
215				12.5	177.2	16,800*	19.9	199.2	17,000	28.1	221.0	15,100	34.3	234.8	13,200	39.4	243.6	11,300	43.9	248.9	9,500	215
220							14.7	182.7	16,300	24.6	210.7	14,400	31.5	226.9	12,600	37.0	237.2	10,700	41.6	243.4	9,000	220
225							5.9	154.1	15,600	20.6	198.5	13,800	28.4	218.1	12,000	34.4	230.1	10,200	39.3	237.5	8,500	225
230										15.7	182.9	13,200	25.0	208.0	11,400	31.6	222.3	9,700	36.8	231.0	8,000	230
235										8.1	158.4	12,600	21.1	196.0	10,900	28.5	213.5	9,200	34.2	223.9	7,600	235
240													16.3	180.9	10,400	25.1	203.4	8,700	31.4	216.0	7,200	240
245													9.3	158.2	9,800	21.2	191.5	8,300	28.3	207.2	6,700	245
250																16.5	176.6	7,800	24.9	197.0	6,300	250
255																9.6	154.3	7,400	21.0	185.0	5,900	255
260																			16.1	169.8	5,600	260
265																			9.0	146.6	5,200	265

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	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	51,400*																100
105	64.6	318.8	48,500*	68.1	322.3	50,500*																105
110	63.0	316.3	46,200*	66.6	320.2	49,500*																110
115	61.4	313.6	44,000*	65.0	317.9	46,600	67.1	319.5	44,200													115
120	59.7	310.8	41,900*	63.4	315.4	43,900	65.5	317.3	41,600													120
125	58.1	307.7	39,800*	61.8	312.8	41,500	63.9	314.9	39,300													125
130	56.3	304.4	37,900*	60.1	310.0	39,200	62.3	312.3	37,100													130
135	54.6	300.9	35,900*	58.5	306.9	37,200	60.7	309.5	35,200													135
140	52.8	297.2	33,700*	56.7	303.7	35,300	59.0	306.6	33,300	62.6	309.7	30,100										140
145	51.0	293.3	31,700*	55.0	300.3	33,500	57.3	303.4	31,700	60.9	307.0	28,600										145
150	49.1	289.0	29,800*	53.2	296.6	31,900	55.6	300.1	30,100	59.3	304.1	27,100										150
155	47.2	284.5	28,100*	51.4	292.7	30,400	53.8	296.5	28,600	57.6	300.9	25,800										155
160	45.2	279.6	26,600*	49.5	288.5	29,000	52.0	292.6	27,300	55.9	297.6	24,500										160
165	43.1	274.4	25,100*	47.6	284.1	27,600	50.2	288.6	26,000	54.1	294.1	23,300	57.8	297.3	20,700							165
170	40.9	268.8	23,700*	45.6	279.3	26,400	48.3	284.2	24,800	52.3	290.3	22,200	56.1	294.0	19,700							170
175	38.7	262.7	22,400*	43.6	274.1	25,200	46.3	279.5	23,700	50.5	286.2	21,200	54.3	290.5	18,700							175
180	36.3	256.1	21,200*	41.5	268.6	24,100*	44.3	274.5	22,600	48.6	281.9	20,200	52.5	286.7	17,800							180
185	33.8	248.9	20,100*	39.2	262.7	22,800*	42.2	269.1	21,600	46.6	277.3	19,300	50.7	282.7	17,000							185
190	31.1	240.9	19,000*	36.9	256.2	21,500*	40.0	263.3	20,700	44.6	272.3	18,400	48.8	278.4	16,100	52.6	282.0	14,000				190
195	28.2	232.0	18,000*	34.4	249.1	20,400*	37.7	257.0	19,800	42.5	267.0	17,600	46.9	273.8	15,400	50.7	278.0	13,300				195
200	24.9	221.8	17,100*	31.8	241.3	19,300*	35.2	250.1	18,900	40.3	261.3	16,800	44.8	268.9	14,700	48.9	273.7	12,600				200
205	21.2	209.8	16,200*	28.9	232.6	18,300*	32.6	242.6	18,100	38.1	255.1	16,000	42.8	263.6	14,000	46.9	269.1	12,000				205
210	16.7	195.0	15,300*	25.7	222.8	17,300*	29.8	234.2	17,400	35.7	248.3	15,300	40.6	257.9	13,300	44.9	264.2	11,300				210
215	10.4	173.7	13,400*	22.1	211.3	16,400*	26.8	224.8	16,600	33.1	240.9	14,600	38.3	251.8	12,700	42.8	258.9	10,800	46.8	263.1	8,900	215
220				17.9	197.3	15,600*	23.4	213.9	15,900	30.3	232.7	14,000	35.9	245.1	12,100	40.7	253.3	10,200	44.8	258.1	8,400	220
225				12.2	178.2	14,700*	19.4	200.9	15,200	27.3	223.4	13,400	33.4	237.8	11,500	38.4	247.1	9,700	42.7	252.9	7,900	225
230							14.3	184.0	14,600	24.0	212.9	12,800	30.6	229.6	11,000	36.0	240.4	9,200	40.5	247.2	7,500	230
235							5.7	154.6	13,700*	20.1	200.3	12,200	27.7	220.5	10,400	33.5	233.1	8,700	38.2	241.0	7,000	235
240										15.3	184.2	11,600	24.4	210.1	9,900	30.7	225.0	8,200	35.9	234.3	6,600	240
245										7.9	159.1	11,000	20.6	197.8	9,400	27.8	216.0	7,800	33.3	226.9	6,200	245
250													15.9	182.3	8,900	24.5	205.6	7,400	30.6	218.8	5,800	250
255													9.0	158.9	8,400	20.7	193.4	6,900	27.6	209.6	5,400	255
260																16.0	178.0	6,500	24.3	199.2	5,100	260
265																9.3	155.1	6,100	20.4	186.8	4,700	265
270																			15.7	171.1	4,300	270
275																			8.8	147.3	4,000	275

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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

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M-250

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				140
145																24.5	165.0	27,400	44.6	182.1	26,100	145
150																12.7	149.3	26,000	39.1	176.3	24,900	150
155																			32.9	169.2	23,600	155
160																			25.3	159.9	22,500	160
																			14.2	145.2	21,300	

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	72.3	243.6	111,500*																			50
55	69.3	241.8	105,200*																			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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	74.0	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 IN
THE SCOPE OF ANSI B30.5

M-250

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	86,000																75
80	59.7	251.7	77,800*	66.2	256.4	79,200																80
85	56.9	248.5	74,400*	63.6	254.0	73,200	67.4	255.9	69,700													85
90	54.0	245.0	70,400*	60.9	251.3	68,000	64.7	253.6	64,800													90
95	51.0	241.1	64,900*	58.1	248.3	63,400	62.0	251.1	60,400													95
100	47.8	236.7	60,100*	55.2	244.9	59,300	59.3	248.2	56,500													100
105	44.4	231.8	55,800*	52.2	241.2	55,700	56.5	245.0	53,000	63.0	248.7	48,500										105
110	40.9	226.2	52,100*	49.1	237.0	52,400	53.5	241.4	49,800	60.2	246.0	45,600										110
115	37.0	219.9	48,700*	45.8	232.3	49,400	50.5	237.4	47,000	57.4	242.9	43,000										115
120	32.8	212.6	45,700*	42.4	227.0	46,700	47.3	232.9	44,400	54.5	239.4	40,600										120
125	28.0	203.8	42,900*	38.6	221.0	44,200	43.9	227.9	42,000	51.5	235.6	38,400										125
130	22.2	192.9	39,700*	34.6	214.2	42,000	40.3	222.3	39,900	48.4	231.3	36,400	55.3	236.2	33,000							130
135	14.4	177.2	37,000*	30.0	206.1	39,900	36.4	215.8	37,900	45.1	226.5	34,600	52.4	232.4	31,300							135
140				24.7	196.1	37,900	32.1	208.3	36,000	41.5	221.0	32,800	49.3	228.3	29,700							140
145				18.0	182.9	36,100	27.1	199.2	34,300	37.7	214.9	31,300	46.0	223.6	28,300	52.9	228.0	25,300				145
150				5.7	157.8	34,300	21.1	187.7	32,700	33.6	207.7	29,800	42.5	218.4	26,900	49.9	223.9	24,100				150
155							12.6	170.6	31,100	28.9	199.3	28,400	38.8	212.4	25,600	46.6	219.3	22,900				155
160										23.4	188.8	27,100	34.8	205.6	24,400	43.2	214.2	21,800	46.9	213.6	18,400	160
165										16.0	174.4	25,800	30.3	197.5	23,300	39.6	208.4	20,800	43.5	208.6	17,500	165
170													25.0	187.7	22,200	35.6	201.8	19,800				170
175													18.4	174.8	21,200	31.2	194.0	18,900	39.9	202.9	16,700	175
180													6.8	151.2	20,200	26.1	184.6	18,100	36.0	196.3	15,900	180
185																19.8	172.4	17,200	31.6	188.6	15,100	185
190																10.2	152.9	16,400	26.6	179.4	14,400	190
195																			20.5	167.6	13,700	195
200																			11.5	149.4	13,000	200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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	85,800																75
80	62.3	263.2	76,000*	68.2	267.3	78,900																80
85	59.8	260.3	72,700*	65.8	265.1	72,900																85
90	57.2	257.2	69,700*	63.3	262.7	67,700	66.8	264.6	64,500													90
95	54.5	253.7	64,800*	60.8	260.0	63,100	64.4	262.3	60,100													95
100	51.7	249.9	59,900*	58.2	257.0	59,100	61.9	259.7	56,200													100
105	48.8	245.7	55,700*	55.6	253.6	55,400	59.3	256.8	52,700													105
110	45.8	241.0	51,900*	52.9	249.9	52,200	56.7	253.7	49,600	62.7	257.4	45,400										110
115	42.6	235.7	48,600*	50.0	245.9	49,200	54.0	250.1	46,800	60.2	254.6	42,700										115
120	39.2	229.8	45,500*	47.0	241.4	46,500	51.2	246.2	44,200	57.6	251.5	40,400										120
125	35.5	223.1	42,800*	43.9	236.4	44,000	48.3	241.9	41,800	55.0	248.1	38,200										125
130	31.5	215.4	40,300*	40.6	230.7	41,800	45.3	237.1	39,700	52.2	244.4	36,200										130
135	26.8	206.2	37,400*	37.1	224.4	39,700	42.1	231.8	37,700	49.3	240.2	34,300	55.7	244.9	31,100							135
140	21.3	194.7	34,800*	33.2	217.1	37,800	38.6	225.8	35,800	46.3	235.6	32,600	53.0	241.2	29,500							140
145	13.8	178.4	32,500*	28.8	208.6	36,000	34.9	218.9	34,100	43.2	230.4	31,100	50.1	237.2	28,000							145
150				23.7	198.2	34,300	30.7	211.0	32,500	39.8	224.7	29,600	47.2	232.7	26,700							150
155				17.3	184.4	32,700	26.0	201.5	31,100	36.2	218.2	28,200	44.1	227.7	25,400	50.7	232.8	22,700				155
160				5.5	158.2	31,200	20.3	189.5	29,600	32.2	210.6	26,900	40.8	222.1	24,200	47.8	228.4	21,600				160
165							12.1	171.6	28,300	27.7	201.8	25,700	37.2	215.8	23,100	44.7	223.5	20,600				165
170										22.4	190.8	24,600	33.3	208.6	22,100	41.4	218.0	19,600				170
175										15.4	175.7	23,500	29.0	200.1	21,100	37.9	211.9	18,700	45.0	217.8	16,400	175
180													24.0	189.9	20,200	34.1	204.9	17,900	41.7	212.4	15,700	180
185													17.6	176.3	19,300	29.9	196.7	17,100	38.3	206.3	14,900	185
190													6.5	151.7	18,300	25.0	186.8	16,300	34.5	199.4	14,200	190
195																19.0	174.1	15,600	30.3	191.4	13,600	195
200																9.8	153.8	14,800	25.5	181.7	12,900	200
205																			19.6	169.3	12,300	205
210																			11.0	150.3	11,700	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.4	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	78,400																80
85	62.1	271.8	70,800*	67.6	276.1	72,400																85
90	59.8	269.0	67,900*	65.4	273.8	67,200																90
95	57.4	265.9	64,300*	63.1	271.4	62,700	66.3	273.4	59,600													95
100	54.9	262.5	59,500*	60.8	268.6	58,600	64.1	271.0	55,700													100
105	52.3	258.7	55,200*	58.4	265.6	55,000	61.8	268.4	52,200													105
110	49.7	254.6	51,500*	55.9	262.3	51,700	59.4	265.5	49,100													110
115	46.9	250.0	48,100*	53.4	258.7	48,800	57.0	262.3	46,300	62.6	266.1	42,200										115
120	44.0	245.0	45,100*	50.8	254.7	46,100	54.5	258.9	43,700	60.2	263.3	39,800										120
125	41.0	239.5	42,300*	48.1	250.4	43,600	51.9	255.0	41,400	57.8	260.2	37,600										125
130	37.7	233.3	39,800*	45.2	245.6	41,400	49.2	250.9	39,200	55.3	256.9	35,600										130
135	34.2	226.2	37,500*	42.2	240.2	39,300	46.5	246.2	37,200	52.8	253.2	33,800										135
140	30.3	218.1	35,200*	39.1	234.3	37,400	43.5	241.2	35,400	50.2	249.1	32,100	56.0	253.6	28,900							140
145	25.8	208.5	32,900*	35.6	227.6	35,600	40.4	235.5	33,700	47.4	244.6	30,600	53.5	250.0	27,500							145
150	20.5	196.5	30,700*	31.9	220.0	33,900	37.1	229.2	32,100	44.5	239.7	29,100	50.9	246.0	26,100							150
155	13.2	179.5	28,800*	27.7	211.1	32,400	33.6	222.0	30,600	41.5	234.3	27,700	48.2	241.7	24,900							155
160				22.8	200.2	30,900	29.6	213.7	29,300	38.3	228.2	26,500	45.4	236.9	23,700	51.4	241.6	21,000				160
165				16.6	185.9	29,600	25.0	203.8	28,000	34.8	221.3	25,300	42.4	231.6	22,600	48.7	237.3	20,000				165
170				5.3	158.6	28,200	19.5	191.2	26,700	31.0	213.4	24,100	39.2	225.7	21,600	45.9	232.6	19,100				170
175							11.6	172.6	25,500	26.7	204.1	23,100	35.8	219.0	20,600	43.0	227.5	18,200				175
180										21.6	192.7	22,100	32.1	211.5	19,700	39.8	221.7	17,300	46.2	227.0	15,100	180
185										14.8	177.0	21,100	27.9	202.6	18,800	36.5	215.2	16,500	43.2	221.8	14,300	185
190													23.1	191.9	18,000	32.8	207.8	15,800	40.1	216.1	13,700	190
195													16.9	177.8	17,200	28.8	199.2	15,100	36.8	209.7	13,000	195
200													6.3	152.2	16,300	24.1	188.9	14,400	33.2	202.4	12,400	200
205																18.3	175.7	13,700	29.2	194.0	11,800	205
210																9.4	154.5	13,000	24.6	183.9	11,200	210
215																			18.9	171.0	10,700	215
220																			10.6	151.2	10,100	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.4	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	72,000																85
90	62.0	280.5	65,800*	67.1	284.8	66,800																90
95	59.8	277.7	63,200*	65.0	282.5	62,200	68.0	284.3	59,100													95
100	57.6	274.6	60,500*	62.9	280.0	58,100	65.9	282.1	55,200													100
105	55.2	271.2	56,200*	60.7	277.3	54,500	63.8	279.7	51,700													105
110	52.9	267.5	52,300*	58.5	274.3	51,300	61.6	277.0	48,600													110
115	50.4	263.5	48,800*	56.2	271.0	48,300	59.4	274.2	45,800													115
120	47.9	259.1	45,700*	53.8	267.5	45,600	57.2	271.0	43,200	62.4	274.7	39,300										120
125	45.2	254.2	42,900*	51.4	263.6	43,200	54.9	267.6	40,900	60.2	271.9	37,100										125
130	42.4	248.9	40,300*	48.9	259.3	40,900	52.5	263.8	38,800	58.0	268.9	35,100										130
135	39.5	243.1	38,000*	46.3	254.7	38,900	50.0	259.8	36,800	55.7	265.6	33,300										135
140	36.4	236.5	35,800*	43.6	249.6	37,000	47.4	255.3	35,000	53.3	261.9	31,600										140
145	33.0	229.2	33,500*	40.7	244.0	35,200	44.8	250.4	33,300	50.9	258.0	30,100	56.3	262.3	27,000							145
150	29.2	220.7	31,300*	37.7	237.7	33,500	42.0	245.0	31,700	48.3	253.6	28,600	54.0	258.7	25,600							150
155	24.9	210.7	29,300*	34.4	230.7	32,000	39.0	239.1	30,200	45.7	248.9	27,300	51.5	254.9	24,400							155
160	19.8	198.3	27,500*	30.8	222.8	30,600	35.8	232.4	28,900	42.9	243.7	26,000	49.0	250.6	23,200							160
165	12.8	180.6	25,800*	26.7	213.5	29,200	32.4	224.9	27,600	40.0	237.9	24,800	46.4	246.0	22,100	52.0	250.4	19,500				165
170				22.0	202.2	27,900	28.5	216.2	26,400	36.9	231.5	23,700	43.7	240.9	21,100	49.5	246.3	18,600				170
175				16.0	187.3	26,700	24.2	205.9	25,200	33.6	224.3	22,700	40.9	235.3	20,100	47.0	241.7	17,700				175
180				5.1	159.0	24,300*	18.8	192.9	24,100	29.9	216.1	21,700	37.8	229.1	19,200	44.3	236.7	16,900				180
185							11.2	173.6	23,100	25.7	206.4	20,700	34.5	222.2	18,400	41.4	231.3	16,100	47.2	236.0	13,800	185
190										20.8	194.5	19,800	31.0	214.2	17,600	38.4	225.2	15,300	44.5	231.1	13,200	190
195										14.3	178.2	18,900	26.9	205.0	16,800	35.2	218.4	14,600	41.7	225.6	12,500	195
200													22.3	193.8	16,000	31.7	210.6	13,900	38.7	219.6	11,900	200
205													16.3	179.2	15,300	27.8	201.7	13,300	35.5	212.9	11,300	205
210													6.0	152.7	14,600	23.2	191.0	12,700	32.0	205.3	10,800	210
215																17.6	177.2	12,100	28.2	196.5	10,200	215
220																9.0	155.3	11,500	23.7	186.0	9,700	220
225																			18.2	172.6	9,200	225
230																			10.2	152.1	8,700	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 IN
THE SCOPE OF ANSI B30.5

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.4	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	71,500																85
90	63.9	291.8	64,000*	68.6	295.6	66,300																90
95	61.9	289.2	61,500*	66.7	293.5	61,700																95
100	59.8	286.3	59,200*	64.7	291.2	57,700	67.5	293.0	54,700													100
105	57.7	283.2	55,600*	62.7	288.7	54,000	65.6	290.8	51,200													105
110	55.6	279.9	51,800*	60.7	285.9	50,800	63.6	288.4	48,100													110
115	53.3	276.2	48,300*	58.6	283.0	47,800	61.5	285.7	45,300													115
120	51.1	272.3	45,200*	56.4	279.7	45,200	59.5	282.8	42,700													120
125	48.7	268.0	42,300*	54.2	276.2	42,700	57.4	279.7	40,400	62.2	283.4	36,600										125
130	46.3	263.4	39,800*	52.0	272.4	40,500	55.2	276.3	38,300	60.2	280.6	34,600										130
135	43.7	258.3	37,500*	49.7	268.2	38,400	53.0	272.6	36,300	58.1	277.6	32,800										135
140	41.0	252.7	35,300*	47.3	263.7	36,500	50.7	268.6	34,500	55.9	274.3	31,100										140
145	38.2	246.6	33,300*	44.8	258.8	34,800	48.3	264.3	32,800	53.7	270.7	29,500										145
150	35.1	239.7	31,500*	42.1	253.5	33,100	45.8	259.6	31,200	51.5	266.8	28,100	56.5	271.0	25,000							150
155	31.9	232.0	29,600*	39.4	247.6	31,600	43.3	254.4	29,800	49.1	262.6	26,800	54.3	267.5	23,800							155
160	28.2	223.2	27,800*	36.4	241.0	30,200	40.6	248.7	28,400	46.7	258.0	25,500	52.1	263.7	22,700							160
165	24.1	212.9	26,100*	33.2	233.7	28,800	37.7	242.5	27,100	44.2	253.0	24,300	49.8	259.5	21,600							165
170	19.1	199.9	24,500*	29.8	225.4	27,600	34.6	235.5	25,900	41.5	247.5	23,200	47.4	255.1	20,600	52.5	259.2	18,000				170
175	12.4	181.6	23,000*	25.9	215.8	26,400	31.3	227.7	24,800	38.7	241.5	22,200	44.9	250.2	19,600	50.2	255.1	17,100				175
180				21.3	204.0	25,200	27.6	218.7	23,700	35.7	234.8	21,200	42.3	244.8	18,700	47.8	250.7	16,300				180
185				15.5	188.6	24,200	23.4	207.9	22,700	32.5	227.2	20,300	39.5	238.9	17,900	45.4	245.9	15,500				185
190				4.9	159.4	21,500*	18.2	194.4	21,700	28.9	218.7	19,400	36.6	232.4	17,000	42.8	240.7	14,800				190
195							10.8	174.5	20,800	24.9	208.6	18,500	33.4	225.2	16,300	40.0	234.9	14,100	45.6	240.3	11,900	195
200										20.1	196.3	17,700	29.9	216.9	15,600	37.1	228.5	13,400	43.0	235.0	11,300	200
205										13.8	179.4	16,900	26.1	207.3	14,900	34.0	221.4	12,800	40.3	229.3	10,700	205
210													21.5	195.7	14,200	30.6	213.4	12,200	37.4	223.0	10,200	210
215													15.8	180.5	13,500	26.8	204.1	11,600	34.3	216.0	9,700	215
220													5.8	153.2	12,800	22.5	193.0	11,000	31.0	208.0	9,200	220
225																17.1	178.7	10,500	27.2	198.9	8,700	225
230																8.7	156.0	9,900	22.9	188.0	8,200	230
235																			17.6	174.1	7,800	235
240																			9.8	152.9	7,300	240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.5	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	66,000																90
95	63.7	300.5	60,000*	68.1	304.4	61,400																95
100	61.8	297.8	57,800*	66.3	302.2	57,400																100
105	59.8	295.0	55,400*	64.4	299.9	53,700	67.1	301.7	50,900													105
110	57.8	291.9	51,500*	62.5	297.4	50,500	65.2	299.5	47,800													110
115	55.8	288.6	48,000*	60.6	294.6	47,600	63.4	297.0	45,000													115
120	53.7	285.0	44,900*	58.7	291.6	44,900	61.4	294.4	42,400													120
125	51.6	281.1	42,100*	56.7	288.4	42,500	59.5	291.5	40,100													125
130	49.4	276.9	39,500*	54.6	284.9	40,200	57.5	288.4	38,000	62.1	292.1	34,300										130
135	47.1	272.4	37,200*	52.5	281.2	38,200	55.5	285.0	36,000	60.2	289.3	32,500										135
140	44.8	267.5	35,000*	50.3	277.1	36,300	53.4	281.4	34,200	58.2	286.2	30,800										140
145	42.3	262.2	33,000*	48.1	272.7	34,500	51.3	277.5	32,500	56.2	283.0	29,300										145
150	39.7	256.3	31,200*	45.8	268.0	32,900	49.1	273.2	31,000	54.1	279.4	27,800										150
155	37.0	249.9	29,500*	43.3	262.8	31,400	46.8	268.6	29,500	52.0	275.6	26,500	56.7	279.7	23,500							155
160	34.1	242.8	28,000*	40.8	257.2	29,900	44.4	263.7	28,200	49.8	271.5	25,200	54.7	276.2	22,400							160
165	30.9	234.8	26,400*	38.1	251.0	28,600	41.9	258.2	26,900	47.6	267.0	24,100	52.6	272.4	21,300							165
170	27.4	225.7	24,900*	35.3	244.2	27,400	39.3	252.3	25,700	45.2	262.2	23,000	50.4	268.4	20,300							170
175	23.4	214.9	23,400*	32.2	236.6	26,200	36.5	245.8	24,600	42.8	256.9	21,900	48.2	264.0	19,300	53.0	268.0	16,800				175
180	18.6	201.6	22,100*	28.8	228.0	25,100	33.6	238.5	23,500	40.2	251.2	21,000	45.9	259.3	18,500	50.8	264.0	16,000				180
185	12.0	182.7	20,400*	25.1	218.0	24,000	30.3	230.4	22,500	37.5	244.9	20,000	43.5	254.2	17,600	48.6	259.7	15,200				185
190				20.7	205.9	23,000	26.8	221.0	21,600	34.6	237.9	19,200	40.9	248.6	16,800	46.3	255.0	14,500				190
195				15.0	189.9	22,000*	22.6	209.9	20,700	31.5	230.1	18,300	38.3	242.4	16,100	43.9	250.0	13,800				195
200				4.7	159.8	19,200*	17.7	196.0	19,800	28.0	221.2	17,500	35.4	235.6	15,300	41.4	244.5	13,200	46.5	249.4	11,100	200
205							10.5	175.4	18,900	24.1	210.7	16,800	32.4	228.1	14,600	38.8	238.5	12,500	44.2	244.3	10,500	205
210										19.5	198.0	16,100	29.0	219.5	14,000	36.0	231.8	11,900	41.7	238.9	10,000	210
215										13.4	180.5	15,400	25.3	209.6	13,400	33.0	224.4	11,400	39.0	232.9	9,400	215
220													20.9	197.6	12,700	29.7	216.0	10,800	36.2	226.3	8,900	220
225													15.3	181.9	12,100	26.0	206.4	10,300	33.3	219.0	8,500	225
230													5.6	153.6	11,500	21.8	194.9	9,800	30.0	210.7	8,000	230
235																16.5	180.1	9,300	26.4	201.2	7,600	235
240																8.5	156.7	8,800	22.2	189.9	7,100	240
245																			17.1	175.6	6,700	245
250																			9.5	153.7	6,300	250

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	75.4	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	60,900																95
100	63.5	309.1	56,100*	67.7	313.1	56,900																100
105	61.7	306.5	54,100*	66.0	311.0	53,300																105
110	59.8	303.6	50,900*	64.2	308.6	50,000	66.7	310.5	47,300													110
115	58.0	300.6	47,500*	62.4	306.0	47,100	64.9	308.2	44,500													115
120	56.1	297.3	44,300*	60.6	303.3	44,400	63.2	305.7	41,900													120
125	54.1	293.7	41,500*	58.7	300.3	42,000	61.4	303.0	39,600													125
130	52.1	289.9	39,000*	56.8	297.1	39,800	59.5	300.1	37,500													130
135	50.1	285.8	36,600*	54.9	293.6	37,700	57.7	297.0	35,500	62.0	300.7	32,000										135
140	47.9	281.4	34,500*	52.9	290.0	35,800	55.7	293.7	33,700	60.2	297.9	30,300										140
145	45.7	276.7	32,500*	50.9	286.0	34,100	53.8	290.1	32,100	58.3	294.9	28,700										145
150	43.4	271.5	30,700*	48.8	281.7	32,400	51.8	286.3	30,500	56.4	291.6	27,300										150
155	41.1	265.9	29,000*	46.6	277.1	30,900	49.7	282.1	29,100	54.5	288.1	26,000										155
160	38.6	259.8	27,400*	44.4	272.1	29,500	47.6	277.7	27,700	52.5	284.4	24,700	56.9	288.3	21,800							160
165	35.9	253.2	26,000*	42.0	266.7	28,200	45.4	272.8	26,400	50.4	280.3	23,600	55.0	284.9	20,800							165
170	33.1	245.8	24,600*	39.6	260.8	26,900	43.1	267.6	25,300	48.3	276.0	22,500	53.0	281.2	19,700							170
175	30.0	237.5	23,400*	37.0	254.4	25,800	40.7	262.0	24,100	46.1	271.3	21,400	51.0	277.3	18,800							175
180	26.6	228.0	22,200*	34.2	247.3	24,700	38.1	255.8	23,100	43.9	266.2	20,500	48.9	273.0	17,900							180
185	22.7	216.9	21,000*	31.3	239.4	23,600	35.4	249.0	22,100	41.5	260.7	19,600	46.7	268.4	17,100	51.4	272.8	14,700				185
190	18.0	203.1	19,900*	28.0	230.5	22,600	32.6	241.5	21,100	39.0	254.7	18,700	44.5	263.4	16,300	49.3	268.6	13,900				190
195	11.6	183.7	18,000*	24.3	220.1	21,500*	29.4	233.0	20,200	36.4	248.2	17,900	42.2	258.1	15,500	47.2	264.1	13,300				195
200				20.1	207.6	20,400*	26.0	223.3	19,400	33.6	240.9	17,100	39.7	252.2	14,800	44.9	259.2	12,600				200
205				14.6	191.2	19,400*	22.0	211.9	18,600	30.5	232.8	16,300	37.1	245.8	14,100	42.6	253.9	12,000	47.4	258.4	9,900	205
210				4.6	160.2	16,800*	17.1	197.5	17,800	27.2	223.6	15,600	34.4	238.7	13,500	40.2	248.2	11,400	45.1	253.5	9,400	210
215							10.2	176.2	17,000	23.4	212.8	14,900	31.4	230.9	12,900	37.6	241.9	10,800	42.8	248.3	8,900	215
220										18.9	199.6	14,300	28.2	222.0	12,300	34.9	235.0	10,300	40.4	242.6	8,400	220
225										13.0	181.6	13,600	24.5	211.7	11,700	32.0	227.3	9,800	37.9	236.3	7,900	225
230													20.3	199.3	11,200	28.8	218.6	9,300	35.2	229.5	7,500	230
235													14.9	183.1	10,600	25.3	208.6	8,800	32.3	221.9	7,000	235
240													5.5	154.1	10,000	21.2	196.7	8,300	29.1	213.3	6,600	240
245																16.1	181.5	7,900	25.6	203.5	6,200	245
250																8.2	157.4	7,400	21.6	191.8	5,800	250
255																			16.6	177.0	5,400	255
260																			9.3	154.5	5,000	260

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	74.6	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	57,800*																95
100	65.0	320.3	54,600*	68.9	323.9	56,500																100
105	63.3	317.8	52,400*	67.3	321.9	52,800																105
110	61.6	315.2	50,000*	65.6	319.7	49,600	68.0	321.3	46,800													110
115	59.8	312.3	47,000*	64.0	317.3	46,700	66.4	319.2	44,000													115
120	58.1	309.3	43,900*	62.3	314.7	44,000	64.7	316.9	41,500													120
125	56.3	306.0	41,000*	60.6	311.9	41,600	63.0	314.4	39,200													125
130	54.4	302.5	38,500*	58.8	309.0	39,400	61.3	311.7	37,100													130
135	52.5	298.7	36,100*	57.0	305.8	37,300	59.6	308.8	35,100													135
140	50.6	294.7	34,000*	55.2	302.4	35,400	57.8	305.7	33,300	61.9	309.4	29,800										140
145	48.6	290.4	32,000*	53.3	298.7	33,700	56.0	302.4	31,600	60.2	306.6	28,300										145
150	46.6	285.8	30,200*	51.4	294.8	32,000	54.1	298.9	30,100	58.4	303.6	26,900										150
155	44.4	280.8	28,500*	49.4	290.6	30,500	52.2	295.1	28,600	56.6	300.3	25,500										155
160	42.2	275.4	26,900*	47.4	286.1	29,100	50.3	291.0	27,300	54.8	296.9	24,300										160
165	39.9	269.6	25,500*	45.3	281.3	27,800	48.3	286.6	26,000	52.9	293.2	23,100	57.1	297.0	20,300							165
170	37.5	263.3	24,100*	43.1	276.1	26,500	46.2	282.0	24,800	51.0	289.2	22,000	55.3	293.6	19,300							170
175	34.9	256.3	22,900*	40.9	270.4	25,400	44.1	276.9	23,700	49.0	284.9	21,000	53.4	290.0	18,300							175
180	32.1	248.7	21,700*	38.5	264.3	24,300	41.9	271.5	22,700	46.9	280.4	20,000	51.5	286.1	17,500							180
185	29.1	240.1	20,600*	36.0	257.7	23,200	39.5	265.6	21,700	44.8	275.4	19,100	49.5	281.9	16,600							185
190	25.8	230.3	19,500*	33.3	250.3	22,200*	37.1	259.2	20,800	42.6	270.1	18,300	47.5	277.4	15,800	51.9	281.6	13,500				190
195	22.1	218.8	18,500*	30.4	242.1	21,000*	34.5	252.1	19,900	40.3	264.4	17,500	45.4	272.6	15,100	49.9	277.5	12,800				195
200	17.5	204.7	17,600*	27.2	232.9	19,900*	31.7	244.3	19,000	37.9	258.2	16,700	43.2	267.4	14,400	47.9	273.1	12,100				200
205	11.3	184.6	15,700*	23.7	222.2	18,900*	28.6	235.6	18,200	35.4	251.4	15,900	41.0	261.8	13,700	45.8	268.4	11,500				205
210				19.5	209.3	18,000*	25.3	225.6	17,400	32.6	243.8	15,200	38.6	255.7	13,100	43.7	263.2	10,900				210
215				14.2	192.4	17,000*	21.4	213.7	16,700	29.7	235.4	14,600	36.1	249.1	12,500	41.4	257.7	10,400	46.0	262.7	8,400	215
220				4.4	160.5	14,700*	16.7	198.9	16,000	26.5	225.9	13,900	33.4	241.8	11,900	39.1	251.7	9,900	43.9	257.6	7,900	220
225							9.9	177.1	15,300	22.8	214.8	13,300	30.5	233.6	11,300	36.6	245.2	9,300	41.6	252.1	7,500	225
230										18.4	201.2	12,700	27.4	224.4	10,800	33.9	238.0	8,900	39.3	246.2	7,000	230
235										12.6	182.7	12,100	23.8	213.8	10,200	31.1	230.1	8,400	36.8	239.7	6,600	235
240													19.7	201.1	9,700	28.0	221.1	7,900	34.2	232.6	6,200	240
245													14.5	184.4	9,200	24.6	210.8	7,500	31.4	224.7	5,800	245
250													5.3	154.5	8,700	20.6	198.5	7,100	28.3	215.9	5,400	250
255																15.6	182.9	6,700	24.9	205.7	5,000	255
260																8.0	158.1	6,200	21.0	193.7	4,700	260
265																			16.1	178.4	4,300	265
270																			9.0	155.3	4,000	270

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250

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			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	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	51,500*																100
105	64.7	329.0	48,600*	68.5	332.7	50,700*																105
110	63.1	326.5	46,300*	66.9	330.6	49,100																110
115	61.5	323.8	44,200*	65.4	328.4	46,200	67.6	330.1	43,500													115
120	59.9	321.0	42,100*	63.8	326.0	43,500	66.0	327.9	41,000													120
125	58.2	317.9	40,100*	62.2	323.4	41,100	64.5	325.6	38,700													125
130	56.5	314.7	38,100*	60.5	320.6	38,900	62.9	323.0	36,600													130
135	54.7	311.2	36,000*	58.9	317.6	36,800	61.2	320.4	34,600													135
140	52.9	307.5	33,800*	57.2	314.5	35,000	59.6	317.5	32,800													140
145	51.1	303.5	31,800*	55.4	311.1	33,200	57.9	314.4	31,100	61.8	318.1	27,700										145
150	49.2	299.3	30,000*	53.7	307.5	31,600	56.2	311.1	29,600	60.1	315.2	26,300										150
155	47.3	294.8	28,300*	51.9	303.6	30,100	54.4	307.6	28,200	58.5	312.2	25,000										155
160	45.3	290.0	26,700*	50.0	299.5	28,700	52.6	303.8	26,800	56.8	309.0	23,800										160
165	43.2	284.8	25,200*	48.1	295.1	27,400	50.8	299.9	25,600	55.0	305.6	22,600										165
170	41.1	279.2	23,800*	46.1	290.4	26,100	48.9	295.6	24,400	53.3	301.9	21,500	57.2	305.7	18,700							170
175	38.8	273.1	22,500*	44.1	285.4	24,900	47.0	291.0	23,300	51.4	298.0	20,500	55.5	302.3	17,800							175
180	36.5	266.6	21,300*	42.0	279.9	23,900	45.0	286.1	22,200	49.6	293.8	19,500	53.8	298.7	16,900							180
185	34.0	259.4	20,200*	39.8	274.1	22,800	42.9	280.9	21,200	47.7	289.4	18,600	51.9	294.9	16,100							185
190	31.3	251.5	19,100*	37.5	267.7	21,800*	40.7	275.2	20,300	45.7	284.6	17,800	50.1	290.8	15,300							190
195	28.4	242.6	18,100*	35.0	260.8	20,700*	38.5	269.1	19,400	43.6	279.5	17,000	48.2	286.4	14,600	52.3	290.4	12,200				195
200	25.2	232.5	17,200*	32.4	253.2	19,600*	36.1	262.4	18,600	41.5	274.0	16,200	46.2	281.7	13,900	50.5	286.4	11,600				200
205	21.5	220.7	16,300*	29.6	244.8	18,500*	33.6	255.1	17,800	39.3	268.0	15,500	44.2	276.7	13,200	48.6	282.1	11,000				205
210	17.1	206.1	15,400*	26.5	235.3	17,600*	30.8	247.1	17,000	36.9	261.5	14,800	42.1	271.3	12,500	46.6	277.4	10,400				210
215	11.0	185.6	13,700*	23.1	224.2	16,600*	27.9	238.0	16,300	34.4	254.5	14,100	39.9	265.4	11,900	44.6	272.5	9,800				215
220				19.0	211.0	15,800*	24.6	227.7	15,600	31.8	246.7	13,500	37.6	259.1	11,400	42.5	267.1	9,300	46.8	271.7	7,300	220
225				13.8	193.6	14,900*	20.8	215.6	14,900	28.9	238.0	12,900	35.1	252.2	10,800	40.3	261.4	8,800	44.8	266.8	6,900	225
230				4.3	160.9	12,800*	16.2	200.3	14,300	25.8	228.2	12,300	32.5	244.7	10,300	38.0	255.2	8,300	42.7	261.5	6,400	230
235							9.6	177.9	13,600	22.2	216.8	11,700	29.7	236.3	9,800	35.6	248.4	7,900	40.5	255.8	6,000	235
240										17.9	202.8	11,200	26.7	226.8	9,300	33.1	241.0	7,400	38.2	249.6	5,600	240
245										12.3	183.8	10,600	23.2	215.9	8,800	30.3	232.8	7,000	35.9	242.9	5,200	245
250													19.2	202.7	8,300	27.3	223.5	6,600	33.3	235.6	4,900	250
255													14.1	185.6	7,900	23.9	212.9	6,200	30.6	227.4	4,500	255
260													5.2	154.9	7,400	20.0	200.3	5,800	27.6	218.3	4,200	260
265																15.2	184.2	5,400				265
270																7.8	158.8	5,000				270

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	64.6	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	55.3	204.4	46,000b							100
105							21.4	179.8	54,400	41.7	197.7	50,200	50.1	200.5	43,300							105
110										35.0	191.2	47,300	44.4	195.7	40,800							110
115										26.7	182.4	44,600	38.1	189.8	38,600							115
120										14.5	168.4	42,000				52.0	196.4	35,100				120
125													30.6	182.2	36,500	46.5	191.9	33,200				125
130													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 IN
THE SCOPE OF ANSI B30.5

M-250

**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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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	44.6	190.8	23,600	145
150																23.1	172.2	25,100	39.1	185.0	22,400	150
155																9.5	154.0	23,800	32.9	177.9	21,400	155
160																			25.3	168.5	20,300	160
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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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 IN
THE SCOPE OF ANSI B30.5

M-250

**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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.2	264.2	106,800*																			50
55	71.4	262.5	101,100*																			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	93,900b																70
75	59.9	253.2	82,700*	67.5	258.2	85,900																75
80	56.9	250.1	79,000*	64.6	255.9	79,000																80
85	53.7	246.5	75,600*	61.7	253.3	73,100	66.2	255.6	69,400													85
90	50.3	242.5	71,100*	58.7	250.3	67,900	63.3	253.2	64,500													90
95	46.8	238.0	65,600*	55.5	247.0	63,300	60.3	250.4	60,100													95
100	43.1	232.9	60,800*	52.3	243.3	59,300	57.2	247.3	56,300													100
105	39.1	227.0	56,500*	48.9	239.0	55,600	54.0	243.8	52,800	61.8	248.4	48,100										105
110	34.7	220.2	52,600*	45.3	234.3	52,400	50.7	239.8	49,700	58.8	245.5	45,300										110
115	29.7	212.0	48,300*	41.4	228.9	49,400	47.2	235.4	46,900	55.7	242.2	42,700										115
120	23.7	201.7	44,600*	37.3	222.6	46,700	43.5	230.3	44,300	52.4	238.5	40,300										120
125	15.7	187.3	41,300*	32.7	215.3	44,200	39.5	224.5	41,900	49.0	234.3	38,100	57.1	239.2	34,400							125
130				27.3	206.4	42,000	35.2	217.8	39,800	45.4	229.6	36,100	53.9	235.7	32,600							130
135				20.8	194.8	39,800	30.3	209.8	37,800	41.6	224.2	34,300	50.6	231.7	30,900							135
140				10.7	176.3	37,800	24.5	199.9	35,900	37.5	218.0	32,600	47.1	227.2	29,300							140
145							16.9	186.2	34,200	32.9	210.7	31,100	43.3	222.2	27,900	51.8	227.6	24,800				145
150										27.6	201.9	29,600	39.3	216.3	26,600	48.3	223.3	23,600				150
155										21.1	190.5	28,200	35.0	209.6	25,300	44.7	218.5	22,500				155
160										11.4	172.5	26,800	30.0	201.5	24,100	40.8	213.0	21,400				160
165													24.2	191.5	23,000	36.6	206.6	20,400	45.6	213.2	17,800	165
170													16.4	177.4	21,900	31.9	199.0	19,400	41.8	207.9	17,000	170
175																26.4	189.8	18,500	37.7	201.7	16,200	175
180																19.5	177.6	17,700	33.1	194.5	15,400	180
185																8.0	156.1	16,800	27.8	185.7	14,700	185
190																			21.4	174.5	14,000	190
195																			12.0	157.1	13,200	195

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

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

M-250

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*																			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	85,300																75
80	59.9	261.9	77,000*	66.9	266.9	78,500																80
85	57.1	258.7	73,700*	64.2	264.5	72,600																85
90	54.2	255.3	70,600*	61.5	261.9	67,400	65.7	264.3	63,900													90
95	51.2	251.4	65,200*	58.8	259.0	62,800	63.0	261.8	59,600													95
100	48.0	247.0	60,400*	55.9	255.7	58,800	60.3	259.1	55,700													100
105	44.7	242.1	56,100*	53.0	252.0	55,200	57.5	256.0	52,300													105
110	41.1	236.6	52,300*	49.9	248.0	51,900	54.6	252.5	49,200	61.7	257.1	44,700										110
115	37.3	230.4	48,800*	46.7	243.4	49,000	51.5	248.7	46,400	58.9	254.2	42,100										115
120	33.1	223.1	45,000*	43.2	238.3	46,300	48.4	244.4	43,800	56.0	250.9	39,700										120
125	28.3	214.5	41,600*	39.6	232.5	43,800	45.1	239.6	41,500	53.1	247.3	37,600										125
130	22.7	203.7	38,500*	35.6	225.9	41,600	41.6	234.1	39,300	50.0	243.2	35,600	57.3	247.9	31,900							130
135	15.0	188.6	35,800*	31.2	218.1	39,500	37.8	228.0	37,400	46.8	238.7	33,800	54.4	244.4	30,300							135
140				26.1	208.7	37,600	33.6	220.9	35,500	43.4	233.6	32,100	51.4	240.6	28,700							140
145				19.8	196.6	35,800	28.9	212.4	33,800	39.7	227.8	30,600	48.2	236.3	27,300							145
150				10.3	177.1	34,000	23.4	202.0	32,200	35.8	221.2	29,100	44.9	231.4	26,000	52.5	236.4	23,000				150
155							16.1	187.6	30,700	31.4	213.5	27,700	41.4	226.0	24,800	49.4	232.3	21,800				155
160										26.4	204.2	26,500	37.6	219.8	23,600	46.1	227.6	20,800				160
165										20.2	192.2	25,200	33.4	212.6	22,500	42.7	222.4	19,800				165
170										10.9	173.4	24,100	28.7	204.1	21,500	39.0	216.5	18,900	46.9	222.3	16,300	170
175													23.1	193.5	20,500	34.9	209.7	18,000	43.5	217.2	15,600	175
180													15.7	178.8	19,500	30.4	201.7	17,200	39.9	211.5	14,800	180
185																25.2	192.0	16,400	36.0	205.0	14,100	185
190																18.7	179.2	15,600	31.6	197.3	13,400	190
195																7.6	156.7	14,800	26.6	188.1	12,800	195
200																			20.5	176.3	12,100	200
205																			11.5	158.1	11,500	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.4	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	78,200																80
85	59.9	270.5	72,000*	66.4	275.6	72,300																85
90	57.4	267.4	69,000*	63.9	273.2	67,100	67.6	275.2	63,700													90
95	54.7	264.0	65,100*	61.4	270.6	62,600	65.2	273.0	59,300													95
100	51.9	260.2	60,300*	58.9	267.6	58,600	62.8	270.5	55,500													100
105	49.0	256.0	56,000*	56.2	264.4	55,000	60.2	267.7	52,000													105
110	46.0	251.3	52,200*	53.5	260.8	51,700	57.7	264.6	48,900													110
115	42.8	246.1	48,800*	50.7	256.8	48,800	55.0	261.2	46,100	61.5	265.8	41,800										115
120	39.4	240.3	45,400*	47.8	252.4	46,100	52.2	257.5	43,600	59.0	262.8	39,500										120
125	35.8	233.6	42,000*	44.7	247.6	43,700	49.4	253.3	41,300	56.4	259.6	37,300										125
130	31.8	226.0	39,000*	41.4	242.1	41,400	46.4	248.7	39,100	53.6	256.0	35,400										130
135	27.2	216.9	36,200*	37.9	236.0	39,300	43.2	243.6	37,200	50.8	252.1	33,600	57.5	256.6	30,000							135
140	21.8	205.6	33,700*	34.1	228.9	37,400	39.8	237.8	35,400	47.9	247.7	31,900	54.9	253.2	28,500							140
145	14.4	189.8	31,500*	29.9	220.8	35,700	36.2	231.3	33,700	44.8	242.8	30,400	52.1	249.4	27,100							145
150				25.1	210.9	34,000	32.2	223.8	32,100	41.6	237.4	28,900	49.2	245.2	25,800							150
155				19.0	198.2	32,400	27.7	214.9	30,600	38.1	231.3	27,600	46.2	240.6	24,600							155
160				9.8	178.0	30,900	22.4	203.9	29,200	34.3	224.3	26,300	43.0	235.4	23,400	50.3	241.2	20,600				160
165							15.4	188.9	27,900	30.1	216.2	25,100	39.7	229.6	22,300	47.3	236.7	19,600				165
170										25.3	206.5	24,000	36.0	223.0	21,300	44.2	231.7	18,700				170
175										19.3	193.9	22,900	32.0	215.5	20,400	40.9	226.2	17,800				175
180										10.4	174.3	21,900	27.5	206.5	19,400	37.4	219.9	17,000	45.0	226.5	14,600	180
185													22.2	195.4	18,600	33.5	212.7	16,200	41.7	221.1	13,900	185
190													15.0	180.1	17,700	29.2	204.3	15,500	38.3	215.0	13,200	190
195																24.2	194.2	14,800	34.5	208.1	12,600	195
200																17.9	180.8	14,100	30.3	200.0	12,000	200
205																7.3	157.3	13,400	25.5	190.4	11,400	205
210																			19.6	178.0	10,800	210
215																			11.0	159.0	10,300	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.5	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	77,700																80
85	62.3	282.0	70,100*	68.1	286.5	71,800																85
90	60.0	279.2	67,300*	65.9	284.3	66,700																90
95	57.5	276.1	64,600*	63.6	281.9	62,100	67.1	284.0	58,800													95
100	55.1	272.7	59,800*	61.3	279.2	58,100	64.9	281.7	55,000													100
105	52.5	269.0	55,500*	59.0	276.3	54,500	62.6	279.2	51,500													105
110	49.9	264.9	51,700*	56.5	273.1	51,200	60.2	276.4	48,400													110
115	47.1	260.4	48,300*	54.0	269.6	48,300	57.8	273.3	45,600													115
120	44.2	255.4	45,300*	51.4	265.7	45,600	55.4	270.0	43,100	61.4	274.4	38,900										120
125	41.2	249.9	42,300*	48.7	261.4	43,200	52.8	266.3	40,800	59.1	271.5	36,800										125
130	37.9	243.7	39,300*	45.9	256.7	41,000	50.2	262.2	38,700	56.6	268.3	34,800										130
135	34.4	236.7	36,500*	43.0	251.5	38,900	47.4	257.7	36,700	54.1	264.8	33,000										135
140	30.6	228.7	34,000*	39.8	245.7	37,000	44.6	252.8	34,900	51.5	260.9	31,400	57.7	265.3	27,900							140
145	26.2	219.2	31,700*	36.5	239.3	35,300	41.5	247.4	33,200	48.9	256.7	29,800	55.2	261.9	26,500							145
150	20.9	207.5	29,600*	32.9	231.9	33,600	38.3	241.3	31,700	46.1	252.0	28,400	52.7	258.2	25,200							150
155	13.9	191.0	27,800*	28.8	223.3	32,100	34.8	234.4	30,200	43.1	246.8	27,100	50.1	254.1	24,000							155
160				24.1	213.0	30,600	31.0	226.5	28,800	40.0	241.1	25,800	47.3	249.6	22,800							160
165				18.3	199.8	29,300	26.7	217.3	27,600	36.6	234.6	24,700	44.4	244.7	21,800	51.0	250.0	19,000				165
170				9.5	178.8	27,900	21.6	205.8	26,300	33.0	227.3	23,500	41.4	239.2	20,800	48.3	245.7	18,100				170
175							14.9	190.2	25,200	29.0	218.8	22,500	38.2	233.1	19,800	45.5	240.9	17,200				175
180										24.3	208.6	21,500	34.7	226.2	18,900	42.5	235.7	16,400				180
185										18.6	195.5	20,600	30.8	218.2	18,100	39.3	229.8	15,700				185
190										10.0	175.2	19,600	26.5	208.9	17,300	35.9	223.2	14,900	46.2	235.6	13,300	190
195													21.3	197.3	16,500	32.2	215.6	14,200	43.2	230.5	12,600	195
200													14.5	181.3	15,800	28.1	206.8	13,600	40.1	224.8	12,000	200
205																23.3	196.2	12,900	36.8	218.3	11,400	205
210																17.2	182.3	12,300	33.2	211.1	10,900	210
215																7.0	157.9	11,700	29.2	202.6	10,300	215
220																			24.6	192.5	9,800	220
225																			18.9	179.6	9,300	225
																			10.6	159.9	8,700	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 IN
THE SCOPE OF ANSI B30.5

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.5	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	71,300																85
90	62.1	290.7	65,100*	67.6	295.2	66,200																90
95	60.0	287.9	62,600*	65.5	293.0	61,600																95
100	57.7	284.8	60,200*	63.4	290.6	57,600	66.6	292.7	54,500													100
105	55.4	281.4	56,500*	61.2	287.9	54,000	64.5	290.4	51,000													105
110	53.0	277.7	52,500*	59.0	285.0	50,800	62.4	287.8	47,900													110
115	50.6	273.7	49,000*	56.8	281.8	47,900	60.2	285.0	45,200													115
120	48.1	269.4	45,900*	54.4	278.3	45,200	58.0	282.0	42,600													120
125	45.4	264.6	42,800*	52.0	274.5	42,800	55.7	278.7	40,300	61.3	283.1	36,300										125
130	42.6	259.3	39,800*	49.5	270.3	40,500	53.3	275.0	38,200	59.1	280.2	34,300										130
135	39.7	253.5	37,100*	47.0	265.8	38,500	50.9	271.1	36,200	56.9	277.0	32,500										135
140	36.6	247.0	34,600*	44.3	260.8	36,600	48.4	266.7	34,400	54.5	273.5	30,900										140
145	33.2	239.7	32,300*	41.4	255.3	34,900	45.7	262.0	32,800	52.1	269.7	29,400	57.9	273.9	26,000							145
150	29.5	231.3	30,200*	38.4	249.2	33,200	43.0	256.8	31,200	49.7	265.6	27,900	55.6	270.6	24,700							150
155	25.2	221.5	28,200*	35.2	242.4	31,700	40.1	251.0	29,800	47.1	261.1	26,600	53.2	266.9	23,500							155
160	20.2	209.2	26,500*	31.7	234.7	30,300	36.9	244.6	28,400	44.4	256.1	25,400	50.8	263.0	22,400							160
165	13.4	192.1	25,000*	27.8	225.8	28,900	33.6	237.4	27,200	41.6	250.6	24,200	48.2	258.6	21,300							165
170				23.3	215.1	27,700	29.9	229.2	26,000	38.6	244.6	23,100	45.6	253.9	20,300	51.6	258.9	17,600				170
175				17.7	201.3	26,500	25.8	219.5	24,800	35.3	237.8	22,100	42.8	248.6	19,400	49.1	254.7	16,700				175
180				9.1	179.5	25,300	20.8	207.7	23,700	31.9	230.2	21,100	39.9	242.8	18,500	46.5	250.0	15,900				180
185							14.3	191.4	22,700	28.0	221.3	20,200	36.8	236.4	17,600	43.8	245.0	15,200				185
190										23.5	210.7	19,300	33.4	229.2	16,900	41.0	239.4	14,400	47.2	244.7	12,100	190
195										18.0	197.1	18,500	29.7	220.9	16,100	37.9	233.2	13,800	44.5	239.7	11,500	195
200										9.7	176.0	17,600	25.6	211.1	15,400	34.7	226.3	13,100	41.7	234.3	10,900	200
205													20.6	199.1	14,700	31.1	218.4	12,500	38.7	228.3	10,400	205
210													14.0	182.5	14,000	27.1	209.3	11,900	35.5	221.6	9,800	210
215																22.5	198.2	11,300	32.0	213.9	9,300	215
220																16.6	183.7	10,800	28.2	205.1	8,800	220
225																6.8	158.4	10,200	23.7	194.6	8,400	225
230																			18.2	181.2	7,900	230
235																			10.2	160.7	7,400	235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.5	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	70,800																85
90	64.0	301.9	63,300*	69.1	306.0	65,700																90
95	62.0	299.4	60,900*	67.2	304.0	61,200																95
100	60.0	296.5	58,600*	65.2	301.7	57,100																100
105	57.9	293.5	55,900*	63.2	299.3	53,500	66.2	301.4	50,500													105
110	55.7	290.1	52,000*	61.2	296.6	50,300	64.3	299.1	47,400													110
115	53.5	286.5	48,500*	59.1	293.6	47,400	62.2	296.5	44,600													115
120	51.2	282.6	45,400*	57.0	290.5	44,700	60.2	293.7	42,100													120
125	48.9	278.3	42,500*	54.8	287.0	42,300	58.1	290.7	39,800													125
130	46.4	273.7	39,900*	52.6	283.3	40,100	56.0	287.4	37,700	61.2	291.7	33,800										130
135	43.9	268.6	37,200*	50.2	279.2	38,000	53.8	283.8	35,800	59.2	288.8	32,000										135
140	41.2	263.1	34,800*	47.9	274.8	36,200	51.5	279.9	34,000	57.1	285.7	30,300										140
145	38.4	257.0	32,500*	45.4	270.0	34,400	49.1	275.7	32,300	54.9	282.2	28,800										145
150	35.4	250.2	30,400*	42.8	264.8	32,800	46.7	271.1	30,800	52.7	278.5	27,400	58.0	282.6	24,100							150
155	32.1	242.6	28,500*	40.0	259.0	31,300	44.2	266.1	29,300	50.3	274.5	26,100	55.9	279.3	22,900							155
160	28.5	233.9	26,700*	37.1	252.6	29,900	41.5	260.6	28,000	48.0	270.1	24,800	53.6	275.7	21,800							160
165	24.4	223.6	25,100*	34.0	245.5	28,500	38.7	254.6	26,700	45.5	265.3	23,700	51.4	271.8	20,700							165
170	19.5	211.0	23,600*	30.6	237.5	27,300	35.7	247.9	25,500	42.9	260.1	22,600	49.0	267.6	19,700							170
175	12.9	193.3	22,300*	26.9	228.2	26,100	32.5	240.4	24,400	40.2	254.3	21,600	46.6	263.0	18,800	52.2	267.7	16,100				175
180				22.5	217.1	25,000	28.9	231.8	23,300	37.3	248.0	20,600	44.1	257.9	17,900	49.9	263.6	15,300				180
185				17.1	202.8	23,900	24.9	221.7	22,300	34.2	240.9	19,700	41.4	252.4	17,100	47.5	259.1	14,600				185
190				8.8	180.3	22,800	20.2	209.4	21,400	30.8	232.9	18,800	38.6	246.4	16,300	45.0	254.2	13,900				190
195							13.9	192.6	20,400	27.0	223.7	18,000	35.6	239.6	15,600	42.4	248.9	13,200				195
200										22.7	212.7	17,200	32.3	232.1	14,900	39.6	243.0	12,600	45.6	248.9	10,300	200
205										17.4	198.6	16,500	28.8	223.4	14,200	36.7	236.6	11,900	43.0	243.7	9,800	205
210										9.3	176.8	15,700	24.7	213.3	13,500	33.5	229.3	11,400	40.3	238.0	9,300	210
215													19.9	200.9	12,900	30.1	221.1	10,800	37.4	231.7	8,800	215
220													13.5	183.7	12,300	26.2	211.6	10,300	34.3	224.7	8,300	220
225																21.7	200.1	9,800	31.0	216.7	7,800	225
230																16.1	185.1	9,200	27.2	207.5	7,400	230
235																6.5	159.0	8,700	22.9	196.6	6,900	235
240																			17.6	182.8	6,500	240
245																			9.8	161.6	6,100	245

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.7	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	65,400																90
95	63.8	310.6	59,400*	68.6	314.8	60,800																95
100	61.9	308.0	57,200*	66.7	312.7	56,800																100
105	60.0	305.2	54,600*	64.9	310.4	53,200	67.7	312.3	50,200													105
110	58.0	302.1	51,400*	63.0	307.9	50,000	65.9	310.1	47,100													110
115	56.0	298.8	48,200*	61.1	305.2	47,100	64.0	307.8	44,400													115
120	53.9	295.3	45,100*	59.1	302.3	44,500	62.1	305.2	41,800													120
125	51.8	291.4	42,200*	57.1	299.1	42,000	60.2	302.4	39,500													125
130	49.6	287.2	39,700*	55.1	295.7	39,800	58.2	299.3	37,400													130
135	47.3	282.7	37,300*	53.0	292.0	37,800	56.2	296.1	35,500	61.2	300.4	31,700										135
140	45.0	277.9	34,900*	50.9	288.1	35,900	54.1	292.5	33,700	59.2	297.5	30,000										140
145	42.5	272.6	32,700*	48.6	283.8	34,200	52.0	288.7	32,000	57.2	294.3	28,500										145
150	39.9	266.8	30,700*	46.3	279.1	32,500	49.8	284.6	30,500	55.2	290.9	27,100										150
155	37.2	260.4	28,800*	43.9	274.1	31,000	47.6	280.1	29,100	53.1	287.3	25,800										155
160	34.3	253.3	27,000*	41.4	268.6	29,600	45.2	275.3	27,700	51.0	283.3	24,600	56.1	288.0	21,500							160
165	31.1	245.4	25,400*	38.8	262.5	28,300	42.8	270.0	26,500	48.7	279.0	23,400	54.0	284.4	20,500							165
170	27.6	236.3	23,900*	36.0	255.9	27,100	40.2	264.3	25,300	46.4	274.4	22,400	51.9	280.6	19,500							170
175	23.7	225.7	22,500*	33.0	248.5	25,900	37.5	258.0	24,200	44.0	269.4	21,300	49.7	276.5	18,500							175
180	18.9	212.6	21,200*	29.7	240.1	24,800	34.6	251.0	23,100	41.5	263.9	20,400	47.5	272.0	17,700	52.7	276.4	15,000				180
185	12.5	194.3	20,100*	26.0	230.5	23,700	31.5	243.2	22,100	38.9	257.9	19,500	45.1	267.1	16,900	50.5	272.4	14,300				185
190				21.8	219.0	22,700	28.0	234.3	21,200	36.1	251.2	18,600	42.7	261.9	16,100	48.3	268.1	13,600				190
195				16.6	204.3	21,800	24.1	223.9	20,300	33.1	243.9	17,800	40.1	256.1	15,300	46.0	263.4	12,900				195
200				8.5	181.0	20,500*	19.5	211.1	19,400	29.8	235.6	17,000	37.4	249.8	14,600	43.5	258.2	12,300				200
205							13.4	193.7	18,600	26.2	226.0	16,300	34.5	242.7	14,000	41.0	252.6	11,700	46.5	258.0	9,500	205
210										22.0	214.6	15,600	31.3	234.9	13,300	38.4	246.5	11,100	44.2	253.0	9,000	210
215										16.8	200.1	14,900	27.9	225.9	12,700	35.5	239.8	10,600	41.7	247.5	8,500	215
220										9.0	177.5	14,200	24.0	215.4	12,100	32.5	232.2	10,100	39.0	241.6	8,000	220
225													19.3	202.5	11,600	29.1	223.7	9,500	36.2	235.0	7,600	225
230													13.1	184.8	11,000	25.4	213.8	9,100	33.3	227.6	7,200	230
235																21.1	201.9	8,600	30.0	219.4	6,700	235
240																15.6	186.4	8,100	26.4	209.9	6,300	240
245																6.3	159.5	7,600	22.2	198.6	5,900	245
250																			17.1	184.2	5,500	250
255																			9.5	162.4	5,100	255

MANITOWOC ENGINEERING CO.

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



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

M-250

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			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	75.5	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	60,400																95
100	63.6	319.3	55,300*	68.1	323.6	56,400																100
105	61.8	316.7	52,700*	66.4	321.4	52,800																105
110	60.0	313.8	49,900*	64.6	319.1	49,500	67.3	321.1	46,600													110
115	58.1	310.8	47,200*	62.8	316.6	46,600	65.6	318.8	43,800													115
120	56.2	307.5	44,500*	61.0	313.9	44,000	63.8	316.4	41,300													120
125	54.2	304.0	41,700*	59.2	311.0	41,600	62.0	313.8	39,000													125
130	52.2	300.2	39,100*	57.3	307.8	39,400	60.2	311.0	36,900													130
135	50.2	296.1	36,800*	55.4	304.4	37,300	58.3	308.0	35,000	62.9	311.8	31,100										135
140	48.1	291.7	34,600*	53.4	300.8	35,500	56.4	304.7	33,200	61.1	309.1	29,500										140
145	45.9	287.0	32,600*	51.4	296.9	33,700	54.5	301.2	31,600	59.3	306.2	28,000										145
150	43.6	281.9	30,700*	49.3	292.7	32,100	52.5	297.5	30,000	57.4	303.0	26,600										150
155	41.2	276.3	28,900*	47.2	288.2	30,600	50.4	293.4	28,600	55.5	299.7	25,300										155
160	38.7	270.3	27,200*	44.9	283.3	29,200	48.3	289.1	27,300	53.5	296.0	24,100										160
165	36.1	263.6	25,600*	42.6	278.0	27,900	46.1	284.4	26,000	51.5	292.1	22,900	56.3	296.7	19,900							165
170	33.3	256.3	24,100*	40.2	272.2	26,600	43.9	279.3	24,800	49.4	287.9	21,800	54.4	293.2	18,900							170
175	30.2	248.1	22,700*	37.6	266.0	25,500	41.5	273.8	23,700	47.3	283.4	20,800	52.4	289.4	18,000							175
180	26.8	238.7	21,400*	34.9	259.0	24,400	39.0	267.8	22,700	45.0	278.6	19,900	50.3	285.3	17,100							180
185	23.0	227.7	20,200*	32.0	251.4	23,300	36.4	261.3	21,700	42.7	273.3	19,000	48.2	281.0	16,300							185
190	18.4	214.2	19,100*	28.8	242.7	22,400	33.6	254.0	20,800	40.3	267.6	18,100	46.0	276.3	15,500	51.1	281.3	13,000				190
195	12.2	195.4	18,100*	25.3	232.7	21,400	30.6	245.9	19,900	37.8	261.3	17,300	43.8	271.2	14,800	49.0	277.0	12,400				195
200				21.2	220.9	20,500	27.2	236.7	19,000	35.1	254.4	16,600	41.4	265.7	14,100	46.8	272.4	11,700				200
205				16.1	205.7	19,600*	23.4	225.9	18,200	32.1	246.8	15,800	38.9	259.6	13,500	44.6	267.5	11,100				205
210				8.3	181.7	18,000*	19.0	212.8	17,500	29.0	238.2	15,100	36.3	253.0	12,800	42.2	262.1	10,600	47.4	267.1	8,400	210
215							13.0	194.9	16,700	25.4	228.3	14,500	33.5	245.8	12,200	39.8	256.3	10,000	45.1	262.2	7,900	215
220										21.4	216.5	13,800	30.4	237.6	11,600	37.2	249.9	9,500	42.8	256.9	7,500	220
225										16.3	201.5	13,200	27.1	228.3	11,100	34.5	242.9	9,000	40.4	251.2	7,000	225
230													23.3	217.5	10,600	31.5	235.1	8,500	37.9	245.0	6,600	230
235										8.8	178.3	12,600				28.3	226.2	8,100	35.2	238.2	6,200	235
240													12.7	185.9	9,500	24.7	216.0	7,600	32.3	230.5	5,800	240
245																20.4	203.7	7,200	29.1	222.0	5,400	245
250																15.1	187.7	6,800	25.6	212.2	5,000	250
255																6.1	160.0	6,300	21.6	200.5	4,700	255
260																			16.6	185.7	4,300	260
265																			9.3	163.2	4,000	265

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M-250

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			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	74.8	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	57,300*																95
100	65.1	330.4	52,700*	69.3	334.3	55,900																100
105	63.4	328.0	50,400*	67.7	332.3	52,300																105
110	61.7	325.3	48,100*	66.0	330.1	49,100																110
115	60.0	322.5	45,800*	64.4	327.8	46,200	66.9	329.8	43,400													115
120	58.2	319.5	43,400*	62.7	325.3	43,600	65.3	327.5	40,900													120
125	56.4	316.2	41,100*	61.0	322.5	41,200	63.6	325.1	38,600													125
130	54.6	312.7	38,600*	59.2	319.6	38,900	61.9	322.5	36,500													130
135	52.7	309.0	36,300*	57.5	316.5	36,900	60.2	319.7	34,600													135
140	50.7	305.0	34,100*	55.6	313.1	35,000	58.4	316.7	32,800	62.8	320.4	29,000										140
145	48.8	300.7	32,100*	53.8	309.6	33,300	56.6	313.4	31,100	61.1	317.7	27,500										145
150	46.7	296.1	30,300*	51.9	305.7	31,700	54.8	310.0	29,600	59.3	314.8	26,100										150
155	44.6	291.1	28,600*	49.9	301.6	30,200	52.9	306.3	28,200	57.5	311.7	24,800										155
160	42.4	285.8	27,100*	47.9	297.2	28,800	51.0	302.3	26,800	55.7	308.4	23,600										160
165	40.1	280.0	25,600*	45.8	292.4	27,500	49.0	298.0	25,600	53.9	304.8	22,500										165
170	37.7	273.7	24,200*	43.7	287.3	26,200	46.9	293.5	24,400	52.0	300.9	21,400	56.5	305.4	18,400							170
175	35.1	266.8	22,900*	41.4	281.8	25,100	44.8	288.6	23,300	50.0	296.8	20,400	54.7	301.9	17,500							175
180	32.3	259.2	21,600*	39.1	275.8	24,000	42.6	283.3	22,300	48.0	292.4	19,400	52.8	298.2	16,700							180
185	29.4	250.7	20,400*	36.6	269.3	23,000	40.3	277.5	21,300	45.9	287.7	18,600	50.9	294.2	15,900							185
190	26.1	241.0	19,300*	34.0	262.1	22,000	37.9	271.3	20,400	43.8	282.6	17,700	48.9	289.9	15,100							190
195	22.3	229.7	18,300*	31.1	254.1	21,100	35.4	264.5	19,500	41.5	277.1	16,900	46.9	285.3	14,400	51.6	290.1	11,900				195
200	17.9	215.8	17,300*	28.0	245.2	20,200	32.7	257.0	18,700	39.2	271.1	16,100	44.7	280.4	13,700	49.6	285.9	11,300				200
205	11.8	196.4	16,000*	24.6	234.9	19,200*	29.7	248.6	17,900	36.7	264.6	15,400	42.5	275.1	13,000	47.6	281.5	10,700				205
210				20.6	222.7	18,200*	26.5	239.1	17,100	34.1	257.5	14,700	40.2	269.3	12,400	45.5	276.6	10,100				210
215				15.6	207.0	17,300*	22.8	228.0	16,400	31.3	249.6	14,100	37.8	263.1	11,800	43.3	271.5	9,600				215
220				8.0	182.3	15,800*	18.4	214.4	15,700	28.2	240.7	13,400	35.3	256.2	11,200	41.1	265.9	9,100	46.0	271.3	7,000	220
225							12.7	196.0	15,000	24.7	230.5	12,800	32.5	248.7	10,700	38.7	259.8	8,600	43.9	266.2	6,500	225
230										20.8	218.3	12,300	29.6	240.2	10,200	36.2	253.2	8,100	41.6	260.8	6,100	230
235										15.9	202.9	11,700	26.3	230.7	9,700	33.5	245.9	7,700	39.3	254.8	5,700	235
240										8.5	179.0	11,100	22.6	219.5	9,200	30.7	237.8	7,200	36.8	248.3	5,300	240
245													18.2	205.8	8,700	27.5	228.7	6,800	34.2	241.2	5,000	245
250													12.3	187.0	8,200	24.0	218.1	6,400	31.4	233.4	4,600	250
255																19.9	205.5	6,000	28.3	224.5	4,300	255
260																14.7	189.0	5,600				260
265																6.0	160.5	5,200				265

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	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	51,400*																100
105	64.8	339.1	48,100*	68.9	343.1	50,900*																105
110	63.2	336.7	46,200*	67.3	341.1	48,600																110
115	61.6	334.0	44,200*	65.8	338.9	45,700																115
120	60.0	331.2	42,200*	64.2	336.5	43,100	66.6	338.5	40,400													120
125	58.3	328.1	40,200*	62.6	333.9	40,700	65.0	336.2	38,100													125
130	56.6	324.9	38,200*	60.9	331.2	38,500	63.4	333.8	36,000													130
135	54.8	321.4	36,200*	59.3	328.3	36,500	61.8	331.2	34,000													135
140	53.1	317.7	34,000*	57.6	325.2	34,600	60.2	328.3	32,300													140
145	51.2	313.8	32,000*	55.9	321.8	32,800	58.5	325.3	30,600	62.6	329.1	27,000										145
150	49.4	309.6	30,100*	54.1	318.3	31,200	56.8	322.1	29,100	61.0	326.4	25,600										150
155	47.4	305.1	28,400*	52.3	314.5	29,700	55.0	318.7	27,700	59.3	323.5	24,300										155
160	45.5	300.3	26,800*	50.5	310.5	28,300	53.3	315.0	26,400	57.7	320.4	23,100										160
165	43.4	295.1	25,300*	48.6	306.1	27,000	51.4	311.1	25,100	55.9	317.1	21,900										165
170	41.2	289.6	23,900*	46.6	301.5	25,800	49.6	306.9	23,900	54.2	313.5	20,900										170
175	39.0	283.6	22,600*	44.6	296.5	24,700	47.7	302.5	22,800	52.4	309.7	19,900	56.7	314.0	17,000							175
180	36.7	277.0	21,400*	42.5	291.2	23,600	45.7	297.7	21,800	50.5	305.7	18,900	55.0	310.6	16,100							180
185	34.2	269.9	20,300*	40.3	285.5	22,500	43.6	292.6	20,800	48.7	301.4	18,000	53.2	306.9	15,300							185
190	31.5	262.0	19,200*	38.0	279.3	21,600	41.5	287.1	19,900	46.7	296.8	17,200	51.4	303.0	14,500							190
195	28.6	253.3	18,200*	35.6	272.5	20,600	39.3	281.1	19,000	44.7	291.8	16,400	49.5	298.8	13,800							195
200	25.4	243.3	17,200*	33.1	265.1	19,800	36.9	274.6	18,200	42.6	286.5	15,700	47.6	294.4	13,100	52.0	298.9	10,700				200
205	21.8	231.6	16,300*	30.3	256.9	18,800*	34.5	267.6	17,400	40.4	280.8	14,900	45.6	289.6	12,500	50.2	294.8	10,100				205
210	17.4	217.3	15,500*	27.3	247.6	17,800*	31.8	259.8	16,700	38.1	274.6	14,300	43.5	284.4	11,900	48.3	290.4	9,500				210
215	11.5	197.4	13,900*	23.9	237.0	16,900*	28.9	251.2	16,000	35.7	267.9	13,600	41.4	278.9	11,300	46.3	285.8	9,000				215
220				20.1	224.4	16,000*	25.8	241.3	15,300	33.2	260.5	13,000	39.2	272.9	10,700	44.3	280.7	8,500				220
225				15.2	208.3	15,100*	22.2	229.9	14,600	30.4	252.3	12,400	36.8	266.4	10,200	42.2	275.3	8,000	46.8	280.4	6,000	225
230				7.8	183.0	13,800*	18.0	216.0	14,000	27.4	243.1	11,800	34.3	259.3	9,700	40.0	269.5	7,600	44.8	275.5	5,500	230
235							12.3	197.0	13,300	24.1	232.6	11,300	31.7	251.5	9,200	37.7	263.2	7,100	42.7	270.2	5,100	235
240										20.2	220.1	10,700	28.8	242.8	8,700	35.2	256.4	6,700	40.5	264.5	4,800	240
245										15.5	204.2	10,200	25.6	232.9	8,200	32.6	248.8	6,300	38.2	258.3	4,400	245
250										8.3	179.7	9,700	22.0	221.4	7,800	29.8	240.5	5,900	35.9	251.6	4,000	250
255													17.7	207.3	7,300	26.8	231.1	5,500				255
260													12.0	188.0	6,900	23.4	220.2	5,100				260
265																19.4	207.2	4,800				265
270																14.3	190.2	4,400				270
275																5.8	160.9	4,000				275

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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				140
145																23.1	177.4	25,700	47.9	195.3	23,900	145
150																4.5	155.3	24,200	42.0	190.1	22,700	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 IN
THE SCOPE OF ANSI B30.5

M-250

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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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 IN
THE SCOPE OF ANSI B30.5

M-250

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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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 IN
THE SCOPE OF ANSI B30.5

M-250

**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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	72.8	263.8	108,300*																			50
55	69.7	262.0	102,500*																			55
60	66.6	259.9	97,100*																			60
65	63.4	257.5	92,300*																			65
70	60.2	254.8	87,800*	69.0	259.8	93,700b																70
75	56.8	251.6	83,700*	65.8	257.7	85,700																75
80	53.2	248.0	80,000*	62.6	255.2	78,900	67.8	257.5	74,700b													80
85	49.5	243.9	76,400*	59.3	252.3	73,000	64.7	255.2	69,100													85
90	45.6	239.2	70,000*	55.9	249.1	67,800	61.5	252.6	64,200													90
95	41.4	233.8	64,600*	52.4	245.4	63,300	58.1	249.6	59,900													95
100	36.8	227.5	59,800*	48.6	241.1	59,300	54.6	246.2	56,000													100
105	31.6	219.9	55,600*	44.6	236.3	55,600	51.0	242.3	52,600	60.4	248.1	47,500										105
110	25.4	210.4	50,900*	40.3	230.7	52,400	47.2	237.8	49,500	57.0	244.9	44,700										110
115	17.3	197.1	46,800*	35.6	224.1	49,400	43.1	232.7	46,700	53.5	241.4	42,200										115
120				30.2	216.1	46,700	38.6	226.8	44,100	49.8	237.3	39,800										120
125				23.7	206.0	44,200	33.7	219.8	41,800	45.9	232.7	37,700	55.7	238.8	33,600							125
130				14.6	190.9	41,900	28.0	211.1	39,600	41.7	227.3	35,700	52.1	235.1	31,900							130
135							20.8	199.7	37,600	37.1	221.1	33,900	48.3	230.8	30,200							135
140							9.2	180.1	35,700	32.0	213.6	32,300	44.3	225.9	28,700							140
145										25.9	204.3	30,700	40.0	220.2	27,300	50.3	227.2	24,000				145
150										18.0	191.4	29,200	35.2	213.6	26,000	46.4	222.7	22,800				150
155													29.7	205.5	24,800	42.3	217.4	21,700				155
160													23.1	195.1	23,600	37.7	211.3	20,700	48.0	217.6	17,800	160
165													13.7	179.4	22,400	32.7	204.0	19,700	44.0	212.7	16,900	165
170																26.7	195.0	18,800	39.6	206.9	16,100	170
175																19.2	182.7	17,900	34.8	200.2	15,300	175
180																3.6	156.1	16,900	29.3	191.9	14,600	180
185																			22.5	181.3	13,900	185
190																			12.6	164.8	13,200	190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

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

M-250

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*																			50
55	71.6	272.7	99,600*																			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	93,200b																70
75	60.1	263.4	81,900*	68.2	268.6	85,200																75
80	57.1	260.3	78,200*	65.3	266.4	78,400																80
85	53.9	256.8	74,900*	62.4	263.8	72,500	67.1	266.2	68,600													85
90	50.6	252.8	71,600*	59.4	261.0	67,400	64.3	263.9	63,700													90
95	47.1	248.3	66,000*	56.3	257.8	62,800	61.3	261.2	59,400													95
100	43.4	243.2	61,100*	53.1	254.1	58,800	58.3	258.3	55,500													100
105	39.4	237.4	55,900*	49.7	250.0	55,200	55.2	254.9	52,100													105
110	35.0	230.7	51,300*	46.2	245.4	52,000	51.9	251.1	49,000	60.4	256.7	44,200										110
115	30.0	222.6	47,200*	42.4	240.2	49,000	48.5	246.8	46,200	57.3	253.6	41,600										115
120	24.2	212.6	43,600*	38.3	234.2	46,300	44.8	242.0	43,700	54.1	250.1	39,300										120
125	16.4	198.5	40,400*	33.8	227.1	43,900	41.0	236.5	41,400	50.8	246.2	37,200										125
130				28.7	218.7	41,600	36.7	230.1	39,300	47.3	241.8	35,300	56.1	247.5	31,300							130
135				22.5	207.9	39,500	32.1	222.6	37,300	43.6	236.7	33,500	52.8	243.9	29,700							135
140				13.9	192.1	37,600	26.6	213.5	35,400	39.7	231.0	31,800	49.5	239.8	28,200							140
145							19.8	201.5	33,700	35.3	224.3	30,300	45.9	235.1	26,800							145
150							8.8	180.8	32,100	30.4	216.3	28,800	42.1	229.8	25,500	51.2	236.1	22,300				150
155										24.7	206.5	27,500	38.0	223.7	24,300	47.8	231.7	21,200				155
160										17.1	192.9	26,200	33.5	216.6	23,200	44.1	226.7	20,200				160
165													28.3	208.0	22,100	40.2	221.1	19,200				165
170													22.0	197.0	21,100	35.9	214.5	18,300				170
175													13.0	180.5	20,100	31.1	206.8	17,500	45.6	221.9	15,600	175
180																25.4	197.2	16,600	41.8	216.5	14,800	180
185																18.2	184.3	15,800	37.7	210.4	14,100	185
190																3.4	156.3	15,000	33.1	203.1	13,400	190
195																			27.8	194.4	12,800	195
200																			21.4	183.2	12,100	200
																			12.0	165.8	11,500	

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.7	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	84,700																75
80	60.1	272.1	76,200*	67.5	277.3	77,900																80
85	57.3	269.0	73,000*	64.9	275.1	72,000																85
90	54.4	265.5	70,000*	62.2	272.5	66,900	66.6	274.9	63,100													90
95	51.4	261.6	65,600*	59.5	269.7	62,400	63.9	272.6	58,800													95
100	48.2	257.3	60,700*	56.6	266.5	58,300	61.2	269.9	55,000													100
105	44.9	252.5	56,000*	53.7	262.9	54,700	58.4	266.9	51,600													105
110	41.4	247.0	51,600*	50.6	258.9	51,500	55.6	263.6	48,500													110
115	37.6	240.8	47,500*	47.5	254.5	48,600	52.6	259.9	45,700	60.3	265.4	41,000										115
120	33.4	233.7	43,800*	44.1	249.5	45,900	49.5	255.8	43,200	57.5	262.3	38,700										120
125	28.7	225.2	40,500*	40.5	243.9	43,500	46.3	251.1	40,900	54.6	258.9	36,600										125
130	23.1	214.6	37,600*	36.6	237.5	41,200	42.8	246.0	38,800	51.6	255.0	34,700										130
135	15.7	199.9	35,000*	32.3	230.0	39,200	39.1	240.1	36,800	48.5	250.8	32,900	56.4	256.2	29,100							135
140				27.4	221.1	37,300	35.1	233.3	35,000	45.2	246.0	31,300	53.5	252.7	27,600							140
145				21.5	209.8	35,500	30.6	225.4	33,300	41.7	240.6	29,800	50.4	248.7	26,200							145
150				13.3	193.2	33,800	25.4	215.8	31,800	37.9	234.4	28,300	47.2	244.2	24,900							150
155							19.0	203.1	30,300	33.7	227.3	27,000	43.8	239.2	23,800	52.0	244.9	20,600				155
160							8.4	181.5	28,800	29.1	218.9	25,800	40.2	233.5	22,600	48.9	240.7	19,600				160
165										23.6	208.6	24,600	36.3	227.0	21,600	45.6	235.9	18,600				165
170										16.4	194.3	23,400	32.0	219.5	20,600	42.1	230.6	17,700				170
175													27.0	210.4	19,600	38.4	224.6	16,900	46.9	231.0	14,200	175
180													21.0	198.9	18,700	34.3	217.6	16,100	43.5	225.9	13,500	180
185													12.4	181.6	17,800	29.7	209.4	15,300	39.9	220.2	12,800	185
190																24.3	199.4	14,600	36.0	213.6	12,200	190
195																17.4	185.8	13,900	31.6	206.0	11,600	195
200																3.2	156.5	13,100	26.6	196.8	11,000	200
205																			20.5	184.9	10,400	205
210																			11.5	166.7	9,800	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	74.6	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	77,600																80
85	60.1	280.7	71,300*	66.9	286.1	71,700																85
90	57.5	277.7	68,400*	64.5	283.8	66,600																90
95	54.9	274.2	65,500*	62.0	281.2	62,100	66.1	283.7	58,500													95
100	52.1	270.5	60,600*	59.5	278.3	58,100	63.6	281.2	54,700													100
105	49.2	266.3	56,000*	56.9	275.1	54,500	61.1	278.6	51,300													105
110	46.2	261.6	51,700*	54.2	271.6	51,300	58.6	275.6	48,300													110
115	43.1	256.5	47,800*	51.4	267.8	48,400	55.9	272.3	45,500	62.8	276.8	40,800										115
120	39.7	250.7	44,200*	48.5	263.5	45,700	53.2	268.7	43,000	60.3	274.1	38,500										120
125	36.0	244.1	40,900*	45.5	258.7	43,300	50.4	264.7	40,700	57.7	271.0	36,400										125
130	32.0	236.6	37,900*	42.3	253.4	41,100	47.4	260.2	38,600	55.1	267.6	34,500										130
135	27.5	227.6	35,300*	38.8	247.4	39,000	44.3	255.3	36,600	52.3	263.8	32,700										135
140	22.2	216.5	32,800*	35.1	240.7	37,100	41.0	249.7	34,800	49.4	259.7	31,100	56.7	264.9	27,400							140
145	15.1	201.2	30,700*	31.0	232.8	35,400	37.5	243.5	33,200	46.4	255.1	29,600	54.0	261.4	26,000							145
150				26.3	223.4	33,700	33.7	236.3	31,600	43.3	250.0	28,100	51.2	257.5	24,700							150
155				20.7	211.6	32,200	29.4	228.0	30,200	39.9	244.2	26,800	48.3	253.2	23,500							155
160				12.7	194.3	30,700	24.4	217.9	28,800	36.3	237.7	25,600	45.2	248.4	22,400	52.7	253.7	19,300				160
165							18.2	204.7	27,500	32.4	230.2	24,400	42.0	243.0	21,400	49.8	249.6	18,400				165
170							8.0	182.2	26,200	27.9	221.4	23,400	38.6	237.0	20,400	46.8	245.0	17,500				170
175										22.6	210.5	22,300	34.8	230.2	19,500	43.7	240.0	16,700				175
180										15.7	195.7	21,300	30.7	222.2	18,600	40.4	234.3	15,900				180
185													25.9	212.7	17,800	36.8	227.9	15,100				185
190													20.2	200.6	17,000	32.9	220.6	14,400	45.0	235.1	12,600	190
195													11.9	182.6	16,200	28.5	212.0	13,800	41.7	229.7	12,000	195
200																23.3	201.4	13,100	38.3	223.7	11,400	200
205																16.7	187.2	12,500	34.5	216.7	10,800	205
210																3.1	156.8	11,800	30.3	208.7	10,300	210
215																			25.5	199.0	9,800	215
220																			19.6	186.7	9,200	220
																			11.0	167.7	8,700	220

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.7	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	77,100																80
85	62.5	292.2	69,300*	68.7	296.9	71,200																85
90	60.1	289.4	66,600*	66.5	294.8	66,100																90
95	57.7	286.3	64,000*	64.2	292.4	61,600	67.9	294.6	58,000													95
100	55.2	282.9	59,900*	61.9	289.8	57,600	65.6	292.4	54,200													100
105	52.7	279.2	55,600*	59.5	287.0	54,000	63.4	289.9	50,800													105
110	50.1	275.2	51,600*	57.1	283.8	50,800	61.0	287.2	47,700													110
115	47.3	270.7	47,800*	54.6	280.4	47,900	58.7	284.3	45,000													115
120	44.4	265.8	44,300*	52.1	276.6	45,300	56.2	281.0	42,500	62.6	285.5	37,900										120
125	41.4	260.3	41,100*	49.4	272.4	42,800	53.7	277.4	40,200	60.3	282.7	35,800										125
130	38.2	254.2	38,200*	46.6	267.8	40,600	51.1	273.5	38,100	57.9	279.7	33,900										130
135	34.7	247.2	35,500*	43.7	262.8	38,600	48.4	269.2	36,200	55.4	276.3	32,100										135
140	30.8	239.3	33,100*	40.6	257.1	36,700	45.6	264.4	34,400	52.9	272.6	30,500										140
145	26.5	230.0	30,900*	37.3	250.8	35,000	42.6	259.2	32,700	50.3	268.6	29,000	56.9	273.6	25,400							145
150	21.3	218.4	28,900*	33.8	243.7	33,300	39.5	253.3	31,200	47.5	264.1	27,600	54.4	270.1	24,100							150
155	14.5	202.4	27,100*	29.8	235.5	31,800	36.1	246.8	29,700	44.6	259.2	26,300	51.9	266.3	22,900							155
160				25.3	225.7	30,400	32.4	239.3	28,400	41.6	253.8	25,100	49.2	262.1	21,800							160
165				19.9	213.4	29,000	28.3	230.5	27,100	38.4	247.7	24,000	46.4	257.5	20,800							165
170				12.2	195.4	27,700	23.5	220.0	25,900	34.9	240.9	22,900	43.5	252.4	19,800	50.6	258.5	16,900				170
175							17.5	206.2	24,800	31.1	233.0	21,900	40.4	246.7	18,900	47.9	254.1	16,100				175
180							7.7	182.8	23,600	26.8	223.8	20,900	37.1	240.4	18,100	45.0	249.2	15,300				180
185										21.8	212.4	20,000	33.5	233.2	17,200	42.0	243.9	14,600				185
190										15.1	197.0	19,100	29.5	224.8	16,500	38.8	237.9	13,900	46.2	244.3	11,400	190
195													25.0	214.9	15,700	35.4	231.1	13,200	43.2	239.1	10,800	195
200													19.4	202.3	15,000	31.6	223.4	12,600	40.1	233.4	10,200	200
205													11.5	183.6	14,300	27.4	214.4	12,000	36.8	227.0	9,700	205
210																22.4	203.4	11,400	33.2	219.7	9,200	210
215																16.1	188.6	10,800	29.2	211.3	8,700	215
220																2.9	157.0	10,200	24.6	201.2	8,200	220
225																			18.9	188.3	7,800	225
230																			10.6	168.5	7,300	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.7	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	70,700																85
90	62.3	300.9	64,400*	68.1	305.7	65,600																90
95	60.1	298.1	61,900*	66.0	303.5	61,100																95
100	57.9	295.0	59,300*	63.9	301.1	57,100	67.4	303.3	53,700													100
105	55.6	291.7	55,300*	61.8	298.5	53,600	65.3	301.1	50,300													105
110	53.2	288.0	51,500*	59.6	295.6	50,400	63.1	298.6	47,300													110
115	50.8	284.0	47,900*	57.3	292.5	47,400	61.0	295.9	44,500													115
120	48.2	279.7	44,600*	55.0	289.1	44,800	58.8	292.9	42,000													120
125	45.6	274.9	41,500*	52.6	285.4	42,400	56.5	289.7	39,700	62.5	294.2	35,300										125
130	42.8	269.7	38,600*	50.2	281.3	40,200	54.1	286.2	37,600	60.3	291.4	33,400										130
135	39.9	263.9	36,000*	47.6	276.9	38,200	51.7	282.3	35,700	58.0	288.3	31,600										135
140	36.8	257.5	33,600*	44.9	272.0	36,300	49.2	278.1	33,900	55.7	285.0	30,000										140
145	33.4	250.3	31,400*	42.1	266.6	34,500	46.6	273.5	32,300	53.4	281.4	28,500										145
150	29.7	242.0	29,300*	39.2	260.7	32,900	43.9	268.5	30,700	50.9	277.4	27,100	57.1	282.3	23,600							150
155	25.6	232.2	27,500*	36.0	254.1	31,400	41.1	263.0	29,300	48.4	273.1	25,800	54.8	278.9	22,400							155
160	20.6	220.2	25,800*	32.6	246.6	30,000	38.1	256.8	28,000	45.8	268.4	24,600	52.4	275.1	21,300							160
165	14.0	203.6	24,300*	28.8	238.0	28,700	34.8	249.9	26,700	43.0	263.2	23,500	50.0	271.0	20,300							165
170				24.4	227.8	27,400	31.2	242.1	25,500	40.1	257.5	22,400	47.4	266.6	19,400							170
175				19.2	215.0	26,200	27.3	233.0	24,400	37.0	251.1	21,400	44.7	261.7	18,400	51.3	267.3	15,600				175
180				11.8	196.4	25,100	22.7	222.0	23,400	33.7	243.9	20,500	41.9	256.3	17,600	48.7	263.0	14,800				180
185							16.9	207.7	22,300	30.0	235.7	19,600	39.0	250.3	16,800	46.1	258.4	14,100				185
190							7.4	183.4	21,300	25.9	226.1	18,700	35.8	243.6	16,000	43.4	253.2	13,400				190
195										21.0	214.3	17,900	32.3	236.1	15,300	40.5	247.6	12,700	47.2	253.3	10,300	195
200										14.6	198.2	17,100	28.5	227.4	14,600	37.4	241.3	12,100	44.5	248.4	9,700	200
205													24.1	217.0	13,900	34.1	234.2	11,500	41.7	243.0	9,200	205
210													18.7	204.0	13,300	30.5	226.2	11,000	38.7	236.9	8,700	210
215													11.1	184.5	12,600	26.4	216.7	10,400	35.5	230.2	8,200	215
220																21.7	205.3	9,900	32.0	222.6	7,800	220
225																15.5	190.0	9,400	28.2	213.8	7,300	225
230																2.8	157.2	8,800	23.7	203.3	6,900	230
235																			18.2	189.9	6,500	235
240																			10.2	169.4	6,000	240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**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			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.7	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	65,100																90
95	62.2	309.5	60,200*	67.6	314.4	60,600																95
100	60.1	306.7	57,600*	65.7	312.2	56,600																100
105	58.0	303.7	54,100*	63.7	309.8	53,100	66.9	312.0	49,800													105
110	55.9	300.4	50,700*	61.7	307.2	49,900	65.0	309.8	46,700													110
115	53.7	296.8	47,400*	59.6	304.3	47,000	62.9	307.3	44,000													115
120	51.4	292.9	44,300*	57.5	301.2	44,300	60.9	304.5	41,500													120
125	49.0	288.6	41,400*	55.3	297.8	41,900	58.8	301.6	39,200													125
130	46.6	284.0	38,600*	53.1	294.1	39,700	56.7	298.4	37,100	62.3	302.8	32,800										130
135	44.1	279.0	36,100*	50.8	290.2	37,700	54.5	294.9	35,200	60.3	300.0	31,100										135
140	41.4	273.5	33,700*	48.4	285.8	35,800	52.3	291.1	33,400	58.2	297.0	29,500										140
145	38.6	267.4	31,500*	46.0	281.1	34,100	50.0	287.0	31,800	56.0	293.7	28,000										145
150	35.6	260.7	29,500*	43.4	276.0	32,500	47.6	282.6	30,300	53.8	290.1	26,600										150
155	32.3	253.2	27,700*	40.7	270.4	31,000	45.1	277.7	28,800	51.5	286.3	25,300	57.3	291.0	21,800							155
160	28.8	244.5	25,900*	37.9	264.2	29,600	42.5	272.4	27,500	49.2	282.0	24,100	55.2	287.6	20,700							160
165	24.7	234.4	24,400*	34.8	257.3	28,200	39.7	266.6	26,300	46.8	277.5	23,000	52.9	283.9	19,700							165
170	19.9	221.9	22,900*	31.5	249.5	27,000	36.8	260.1	25,100	44.3	272.5	21,900	50.6	279.9	18,800							170
175	13.5	204.8	21,700*	27.8	240.5	25,800	33.6	252.9	24,000	41.6	267.0	20,900	48.3	275.5	17,900							175
180				23.6	229.9	24,700	30.2	244.8	22,900	38.8	261.0	20,000	45.8	270.8	17,000	51.8	276.1	14,200				180
185				18.6	216.7	23,700	26.4	235.3	22,000	35.8	254.3	19,100	43.2	265.6	16,200	49.5	271.9	13,500				185
190				11.4	197.3	22,600	21.9	223.9	21,000	32.6	246.8	18,200	40.5	260.0	15,500	47.1	267.4	12,800				190
195							16.3	209.1	20,100	29.0	238.3	17,400	37.7	253.7	14,800	44.6	262.5	12,100				195
200							7.2	184.0	19,200	25.0	228.3	16,700	34.6	246.7	14,100	41.9	257.1	11,500				200
205										20.3	216.1	15,900	31.2	238.9	13,400	39.2	251.1	11,000	45.6	257.6	8,600	205
210										14.1	199.4	15,200	27.5	229.8	12,800	36.2	244.6	10,400	43.0	252.4	8,100	210
215													23.3	219.1	12,200	33.0	237.2	9,900	40.3	246.7	7,600	215
220													18.1	205.5	11,600	29.5	228.8	9,400	37.4	240.3	7,200	220
225													10.7	185.4	11,000	25.6	219.0	8,900	34.3	233.3	6,700	225
230																21.0	207.1	8,400	31.0	225.4	6,300	230
235																15.0	191.3	7,900	27.2	216.2	5,900	235
240																2.7	157.3	7,400	22.9	205.3	5,500	240
245																			17.6	191.4	5,200	245
250																			9.8	170.2	4,800	250

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250

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			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.8	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	64,800																90
95	63.9	320.8	58,700*	69.0	325.2	60,300																95
100	62.0	318.2	55,700*	67.2	323.2	56,300																100
105	60.1	315.4	52,700*	65.3	320.9	52,800																105
110	58.1	312.3	49,600*	63.5	318.5	49,600	66.5	320.8	46,400													110
115	56.1	309.1	46,700*	61.6	315.8	46,700	64.7	318.5	43,700													115
120	54.0	305.5	43,800*	59.6	313.0	44,100	62.8	315.9	41,200													120
125	51.9	301.7	41,100*	57.6	309.9	41,700	60.9	313.2	38,900													125
130	49.7	297.5	38,500*	55.6	306.5	39,500	58.9	310.3	36,800													130
135	47.5	293.1	36,100*	53.5	302.9	37,400	56.9	307.1	34,900	62.2	311.5	30,800										135
140	45.1	288.2	33,800*	51.4	299.0	35,600	54.9	303.6	33,200	60.2	308.7	29,200										140
145	42.7	282.9	31,700*	49.2	294.8	33,800	52.8	299.9	31,500	58.3	305.7	27,700										145
150	40.1	277.2	29,700*	46.9	290.2	32,200	50.6	295.9	30,000	56.3	302.4	26,300										150
155	37.4	270.8	27,900*	44.5	285.3	30,700	48.4	291.6	28,600	54.2	298.9	25,000										155
160	34.5	263.8	26,200*	42.1	279.9	29,300	46.1	286.9	27,300	52.1	295.1	23,800	57.5	299.7	20,500							160
165	31.3	256.0	24,600*	39.4	274.0	28,000	43.6	281.7	26,000	49.9	290.9	22,700	55.5	296.3	19,500							165
170	27.9	247.0	23,200*	36.7	267.5	26,800	41.1	276.2	24,900	47.6	286.5	21,600	53.4	292.7	18,500							170
175	24.0	236.5	21,800*	33.7	260.3	25,600	38.5	270.1	23,800	45.3	281.7	20,700	51.2	288.7	17,600							175
180	19.3	223.6	20,600*	30.5	252.2	24,500	35.6	263.4	22,700	42.9	276.4	19,700	49.0	284.5	16,800							180
185	13.1	205.9	19,500*	27.0	242.9	23,500	32.6	255.9	21,700	40.3	270.7	18,800	46.7	279.9	16,000	52.3	284.9	13,200				185
190				22.9	231.9	22,500	29.3	247.4	20,800	37.6	264.4	18,000	44.4	274.9	15,200	50.2	280.8	12,500				190
195				18.0	218.2	21,600	25.6	237.6	19,900	34.7	257.5	17,200	41.9	269.5	14,500	47.9	276.4	11,900				195
200				11.1	198.3	20,600	21.2	225.8	19,100	31.6	249.7	16,400	39.3	263.6	13,800	45.6	271.7	11,300				200
205							15.8	210.5	18,300	28.1	240.8	15,700	36.5	257.0	13,200	43.2	266.5	10,700				205
210							6.9	184.6	17,500	24.3	230.5	15,000	33.5	249.8	12,600	40.6	260.8	10,200	46.5	266.7	7,800	210
215										19.7	217.8	14,400	30.3	241.6	12,000	37.9	254.6	9,600	44.2	261.7	7,400	215
220										13.6	200.6	13,700				35.1	247.7	9,100	41.7	256.2	6,900	220
225													22.6	221.1	10,900	32.0	240.1	8,700	39.0	250.2	6,500	225
230													17.6	207.1	10,300	28.6	231.3	8,200	36.2	243.6	6,100	230
235													10.4	186.3	9,800	24.8	221.2	7,700	33.3	236.3	5,700	235
240																20.3	208.9	7,300	30.0	228.0	5,300	240
245																14.5	192.5	6,900	26.4	218.5	5,000	245
250																2.6	157.5	6,400	22.2	207.2	4,600	250
255																			17.1	192.9	4,300	255

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250

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			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	75.6	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*																			95
100	63.7	329.5	53,400*	70.2	335.9	59,800																100
105	61.9	326.9	50,800*	66.8	331.9	52,300																105
110	60.1	324.0	48,200*	65.1	329.6	49,100	67.9	331.6	45,900													110
115	58.2	321.0	45,500*	63.3	327.2	46,200	66.2	329.5	43,200													115
120	56.3	317.7	43,000*	61.5	324.5	43,600	64.4	327.1	40,700													120
125	54.4	314.2	40,500*	59.6	321.6	41,200	62.6	324.6	38,400													125
130	52.4	310.5	38,100*	57.8	318.5	39,000	60.8	321.9	36,300													130
135	50.3	306.4	35,800*	55.9	315.2	37,000	59.0	318.9	34,400													135
140	48.2	302.0	33,700*	53.9	311.6	35,100	57.1	315.8	32,700	62.1	320.2	28,600										140
145	46.0	297.3	31,700*	51.9	307.8	33,400	55.2	312.3	31,000	60.2	317.3	27,100										145
150	43.8	292.2	29,800*	49.8	303.7	31,800	53.2	308.7	29,500	58.4	314.3	25,800										150
155	41.4	286.7	28,000*	47.7	299.2	30,300	51.2	304.7	28,100	56.5	311.1	24,500										155
160	38.9	280.7	26,300*	45.5	294.4	28,900	49.1	300.5	26,800	54.5	307.6	23,300										160
165	36.3	274.1	24,800*	43.2	289.2	27,600	46.9	295.9	25,500	52.5	303.8	22,200	57.6	308.3	18,900							165
170	33.5	266.8	23,300*	40.8	283.6	26,400	44.7	291.0	24,400	50.5	299.8	21,100	55.7	305.0	17,900							170
175	30.4	258.7	22,000*	38.3	277.5	25,200	42.3	285.6	23,300	48.4	295.5	20,100	53.8	301.4	17,000							175
180	27.1	249.4	20,700*	35.6	270.7	24,100	39.9	279.8	22,300	46.2	290.8	19,200	51.7	297.5	16,200							180
185	23.3	238.6	19,600*	32.7	263.2	23,100	37.3	273.5	21,300	43.9	285.7	18,300	49.7	293.4	15,400							185
190	18.7	225.3	18,500*	29.6	254.8	22,100	34.6	266.5	20,400	41.6	280.2	17,500	47.5	288.9	14,700	52.8	293.7	11,900				190
195	12.7	207.0	17,500*	26.2	245.2	21,200	31.6	258.7	19,500	39.1	274.3	16,700	45.3	284.1	14,000	50.8	289.7	11,300				195
200				22.2	233.9	20,300	28.4	249.9	18,700	36.5	267.7	16,000	43.0	278.9	13,300	48.7	285.4	10,700				200
205				17.5	219.7	19,500	24.8	239.7	17,900	33.7	260.5	15,300	40.6	273.2	12,700	46.5	280.8	10,100				205
210				10.7	199.2	18,600	20.6	227.6	17,100	30.7	252.4	14,600	38.1	267.0	12,100	44.2	275.7	9,600				210
215							15.4	211.8	16,400	27.3	243.2	13,900	35.4	260.2	11,500	41.9	270.3	9,100	47.4	275.7	6,800	215
220							6.7	185.1	15,600	23.6	232.5	13,300	32.5	252.7	10,900	39.4	264.4	8,600	45.1	270.9	6,300	220
225										19.1	219.5	12,700	29.4	244.2	10,400	36.8	257.9	8,100	42.8	265.6	5,900	225
230													25.9	234.5	9,900	34.0	250.8	7,700	40.4	259.9	5,500	230
235													21.9	223.0	9,400	31.0	242.8	7,200	37.9	253.7	5,100	235
240													17.1	208.6	8,900	27.8	233.8	6,800	35.2	246.8	4,800	240
245													10.1	187.1	8,400	24.1	223.3	6,400	32.3	239.2	4,400	245
250																19.7	210.6	6,000	29.1	230.6	4,100	250
255																14.1	193.7	5,600				255
260																2.5	157.7	5,100				260

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	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	54,100*																100
105	63.5	338.2	49,000*	68.1	342.8	51,900																105
110	61.8	335.5	46,700*	66.5	340.6	48,700																110
115	60.1	332.7	44,500*	64.8	338.3	45,800	67.5	340.4	42,700													115
120	58.3	329.7	42,300*	63.1	335.8	43,200	65.8	338.2	40,200													120
125	56.5	326.4	40,000*	61.4	333.2	40,800	64.2	335.8	38,000													125
130	54.7	323.0	37,900*	59.7	330.3	38,600	62.5	333.3	35,900													130
135	52.8	319.2	35,800*	57.9	327.2	36,600	60.8	330.5	34,000													135
140	50.9	315.3	33,700*	56.1	323.9	34,700	59.0	327.6	32,200													140
145	48.9	311.0	31,800*	54.2	320.4	33,000	57.2	324.4	30,600	61.9	328.8	26,700										145
150	46.9	306.4	30,000*	52.3	316.6	31,400	55.4	321.0	29,100	60.2	326.0	25,300										150
155	44.7	301.5	28,300*	50.4	312.5	29,900	53.6	317.4	27,700	58.5	323.0	24,000										155
160	42.5	296.2	26,600*	48.4	308.2	28,500	51.6	313.6	26,400	56.7	319.8	22,800										160
165	40.2	290.4	25,100*	46.3	303.5	27,200	49.7	309.4	25,100	54.8	316.3	21,700										165
170	37.8	284.2	23,700*	44.2	298.5	26,000	47.7	304.9	24,000	53.0	312.6	20,700	57.8	317.0	17,400							170
175	35.3	277.3	22,300*	42.0	293.1	24,800	45.6	300.1	22,900	51.0	308.7	19,700	55.9	313.7	16,600							175
180	32.5	269.8	21,100*	39.7	287.2	23,700	43.4	295.0	21,900	49.0	304.4	18,800	54.1	310.1	15,700							180
185	29.6	261.3	19,900*	37.2	280.8	22,700	41.2	289.4	20,900	47.0	299.8	17,900	52.2	306.3	15,000							185
190	26.3	251.8	18,800*	34.6	273.8	21,700	38.8	283.4	20,000	44.9	294.9	17,100	50.3	302.3	14,200							190
195	22.6	240.6	17,800*	31.8	266.1	20,800	36.3	276.8	19,100	42.7	289.7	16,300	48.3	297.9	13,500							195
200	18.2	226.9	16,800*	28.8	257.4	20,000	33.6	269.5	18,300	40.4	283.9	15,500	46.2	293.2	12,800	51.3	298.5	10,200				200
205	12.4	208.1	16,000*	25.5	247.5	19,100	30.8	261.5	17,500	38.0	277.7	14,800	44.0	288.2	12,200	49.3	294.3	9,700				205
210				21.6	235.8	18,300	27.6	252.4	16,800	35.5	270.9	14,200	41.8	282.7	11,600	47.3	289.8	9,100				210
215				17.0	221.2	17,600	24.1	241.9	16,000	32.7	263.4	13,500	39.5	276.8	11,000	45.2	284.9	8,600				215
220				10.4	200.1	16,700*	20.1	229.3	15,400	29.8	255.1	12,900	37.0	270.4	10,500	43.0	279.7	8,100				220
225							14.9	213.1	14,700	26.6	245.6	12,300	34.4	263.3	10,000	40.7	274.0	7,700	46.0	280.0	5,400	225
230							6.5	185.7	14,000	22.9	234.5	11,700	31.6	255.5	9,500	38.3	267.9	7,200	43.9	274.9	5,000	230
235										18.6	221.1	11,200	28.6	246.8	9,000	35.8	261.2	6,800	41.6	269.4	4,700	235
240										12.9	202.9	10,700	25.2	236.7	8,500	33.1	253.8	6,400	39.3	263.5	4,300	240
245													21.3	224.9	8,000	30.2	245.5	6,000	36.8	257.0	4,000	245
250													16.6	210.0	7,600	27.0	236.2	5,600				250
255													9.8	188.0	7,100	23.4	225.4	5,200				255
260																19.2	212.3	4,800				260
265																13.7	194.9	4,500				265
270																2.4	157.9	4,100				270

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	
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	50,800*													100
105	64.9	349.3	46,500*	69.2	353.5	50,400*													105
110	63.3	346.8	44,600*	67.7	351.5	48,200													110
115	61.7	344.2	42,700*	66.1	349.3	45,300													115
120	60.1	341.4	40,800*	64.6	347.0	42,700	67.1	349.1	39,700										120
125	58.4	338.3	38,900*	63.0	344.5	40,300	65.6	346.9	37,400										125
130	56.7	335.1	36,900*	61.3	341.8	38,100	64.0	344.5	35,400										130
135	55.0	331.7	35,000*	59.7	338.9	36,100	62.4	341.9	33,500										135
140	53.2	328.0	33,200*	58.0	335.9	34,200	60.7	339.2	31,700										140
145	51.4	324.1	31,400*	56.3	332.6	32,500	59.1	336.2	30,100										145
150	49.5	319.9	29,700*	54.5	329.1	30,900	57.4	333.1	28,600	61.8	337.5	24,700							150
155	47.6	315.4	28,100*	52.7	325.4	29,400	55.7	329.8	27,200	60.2	334.7	23,500							155
160	45.6	310.6	26,500*	50.9	321.4	28,000	53.9	326.2	25,900	58.5	331.7	22,300							160
165	43.5	305.5	25,100*	49.0	317.1	26,700	52.1	322.4	24,600	56.8	328.5	21,200							165
170	41.4	300.0	23,700*	47.1	312.6	25,500	50.2	318.3	23,500	55.1	325.0	20,100							170
175	39.2	294.0	22,400*	45.1	307.7	24,400	48.3	313.9	22,400	53.3	321.4	19,200	57.9	325.7	16,000				175
180	36.8	287.5	21,100*	43.0	302.5	23,300	46.4	309.2	21,400	51.5	317.5	18,200	56.2	322.4	15,200				180
185	34.3	280.4	20,000*	40.9	296.8	22,300	44.4	304.2	20,400	49.6	313.3	17,400	54.4	318.9	14,400				185
190	31.7	272.6	18,900*	38.6	290.7	21,300	42.2	298.9	19,500	47.7	308.9	16,600	52.6	315.1	13,600				190
195	28.8	263.9	17,900*	36.2	284.1	20,400	40.1	293.1	18,700	45.7	304.1	15,800	50.8	311.1	13,000				195
200	25.6	254.0	16,900*	33.7	276.9	19,500	37.8	286.8	17,800	43.7	299.0	15,000	48.9	306.8	12,300				200
205	22.0	242.5	16,000*	31.0	268.9	18,700	35.3	280.0	17,100	41.6	293.5	14,300	47.0	302.3	11,700	51.7	307.3	9,100	205
210	17.8	228.4	15,200*	28.1	259.9	17,900	32.7	272.5	16,300	39.3	287.5	13,700	44.9	297.4	11,100	49.9	303.2	8,500	210
215	12.0	209.1	14,200*	24.8	249.7	17,100*	30.0	264.1	15,600	37.0	281.1	13,000	42.9	292.1	10,500	48.0	298.8	8,000	215
220				21.1	237.7	16,200*	26.9	254.8	14,900	34.5	274.0	12,400	40.7	286.4	10,000	46.0	294.1	7,600	220
225				16.5	222.7	15,300*	23.5	244.0	14,300	31.9	266.3	11,800	38.4	280.3	9,400	44.0	289.0	7,100	225
230				10.2	201.0	14,500*	19.5	231.0	13,700	29.0	257.7	11,300	36.0	273.6	8,900	41.8	283.5	6,700	230
235							14.5	214.3	13,000	25.9	247.9	10,700	33.5	266.3	8,500	39.6	277.7	6,200	235
240							6.4	186.2	12,400	22.3	236.5	10,200	30.8	258.3	8,000	37.3	271.3	5,800	240
245										18.1	222.7	9,700	27.8	249.2	7,600	34.8	264.3	5,400	245
250										12.5	203.9	9,200	24.5	238.9	7,100	32.2	256.7	5,100	250
255													20.8	226.7	6,700	29.4	248.2	4,700	255
260													16.2	211.4	6,300	26.3	238.5	4,300	260
265													9.5	188.8	5,900	22.8	227.4	4,000	265

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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																			65
70	44.9	227.1	92,500*	64.9	239.7	103,800b																70
				60.2	237.0	94,400b																
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.

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LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
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THE SCOPE OF ANSI B30.5

M-250

**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 CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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				155
160																19.9	186.2	20,400	44.6	208.1	18,400	160
165																			39.1	202.3	17,500	165
170																			32.9	195.2	16,700	170
175																			25.3	185.9	15,800	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 IN
THE SCOPE OF ANSI B30.5

M-250

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*																			50
55	67.6	261.4	102,500*																			55
60	64.1	259.0	97,200*																			60
65	60.4	256.3	92,300*	70.8	261.4	102,800b																65
70	56.7	253.1	87,900*	67.3	259.4	93,400b																70
75	52.7	249.5	83,800*	63.8	257.1	85,500b																75
80	48.6	245.3	80,000*	60.2	254.3	78,700	66.4	257.2	74,300b													80
85	44.1	240.4	76,500*	56.4	251.1	72,900	62.9	254.7	68,700b													85
90	39.2	234.6	70,400*	52.5	247.4	67,700	59.2	251.9	63,800													90
95	33.8	227.6	64,200*	48.3	243.2	63,200	55.4	248.5	59,600													95
100	27.4	218.9	58,700*	43.8	238.2	59,200	51.4	244.7	55,800	62.3	250.5	50,100										100
105	19.0	206.7	53,900*	38.9	232.4	55,600	47.1	240.3	52,400	58.7	247.6	47,000										105
110				33.4	225.3	52,300	42.5	235.1	49,300	54.8	244.2	44,200										110
115				26.9	216.4	49,400	37.5	229.0	46,500	50.8	240.3	41,700										115
120				18.3	203.9	46,600	31.8	221.5	44,000	46.5	235.8	39,400	57.8	241.9	34,900							120
125							24.9	211.9	41,600	41.8	230.5	37,300	53.9	238.4	33,000							125
130							15.2	197.6	39,400	36.7	224.2	35,400	49.8	234.3	31,300							130
135										30.9	216.5	33,600	45.5	229.6	29,700							135
140										23.7	206.4	31,900	40.7	224.1	28,200	52.6	230.9	24,500				140
145										13.2	190.7	30,300	35.5	217.6	26,800	48.5	226.7	23,300				145
150													29.4	209.4	25,500	44.0	221.7	22,200				150
155													21.8	198.6	24,300	39.1	215.9	21,100				155
160													9.2	179.5	23,100	33.6	208.9	20,100	46.5	217.2	17,100	160
165																27.2	200.1	19,100	41.9	211.9	16,200	165
170																18.7	187.8	18,200	36.8	205.7	15,400	170
175																			30.9	198.0	14,700	175
180																			23.8	188.0	14,000	180
185																			13.4	172.3	13,200	185

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	73.0	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	92,900b																70
75	57.0	261.8	81,600*	66.6	268.2	85,000b																75
80	53.5	258.3	77,900*	63.4	265.7	78,200																80
85	49.8	254.2	74,600*	60.2	263.0	72,400	65.8	265.9	68,100													85
90	45.9	249.6	69,900*	56.8	259.8	67,200	62.6	263.4	63,300													90
95	41.7	244.2	64,000*	53.2	256.2	62,700	59.3	260.5	59,000													95
100	37.1	238.0	58,600*	49.5	252.1	58,700	55.9	257.3	55,200													100
105	32.0	230.5	53,700*	45.6	247.4	55,100	52.3	253.5	51,800	62.1	259.2	46,300										105
110	25.9	221.2	49,400*	41.4	242.0	51,900	48.5	249.3	48,800	58.8	256.3	43,600										110
115	18.0	208.3	45,700*	36.8	235.7	49,000	44.5	244.4	46,000	55.4	252.9	41,100										115
120				31.6	228.1	46,300	40.2	238.8	43,500	51.8	249.1	38,800										120
125				25.4	218.6	43,800	35.5	232.2	41,200	48.0	244.8	36,700	58.0	250.5	32,300							125
130				17.3	205.3	41,500	30.1	224.2	39,100	43.9	239.9	34,800	54.6	247.1	30,600							130
135							23.6	214.0	37,100	39.6	234.1	33,100	50.9	243.2	29,000							135
140							14.4	198.8	35,200	34.7	227.3	31,400	47.1	238.7	27,600							140
145										29.2	219.1	29,900	43.0	233.6	26,200							145
150										22.4	208.4	28,400	38.5	227.7	25,000	49.7	235.6	21,500				150
155										12.5	191.8	27,000	33.6	220.6	23,800	45.8	231.0	20,400				155
160													27.8	211.9	22,600	41.6	225.6	19,500				160
165													20.6	200.4	21,600	37.0	219.3	18,500	48.0	226.3	15,500	165
170													8.7	180.3	20,500	31.8	211.8	17,600	44.0	221.3	14,800	170
175																25.7	202.4	16,800	39.6	215.6	14,000	175
180																17.7	189.4	16,000	34.8	208.8	13,300	180
185																			29.3	200.6	12,700	185
190																			22.5	189.9	12,000	190
195																			12.6	173.4	11,400	195

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**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			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	74.6	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	84,500																75
80	57.3	270.5	76,200*	66.0	276.9	77,700																80
85	54.1	267.0	73,000*	63.1	274.4	71,900																85
90	50.8	263.1	69,300*	60.1	271.6	66,800	65.3	274.6	62,700													90
95	47.3	258.6	63,600*	57.1	268.5	62,300	62.4	272.1	58,500													95
100	43.6	253.6	58,500*	53.9	265.0	58,300	59.4	269.2	54,700													100
105	39.6	247.8	53,800*	50.6	261.0	54,700	56.3	266.0	51,300													105
110	35.3	241.2	49,600*	47.1	256.5	51,500	53.0	262.3	48,300	61.9	267.9	43,000										110
115	30.4	233.2	45,700*	43.4	251.5	48,600	49.7	258.2	45,600	58.9	264.9	40,600										115
120	24.6	223.3	42,300*	39.4	245.6	45,900	46.1	253.6	43,000	55.8	261.7	38,300										120
125	17.1	209.7	39,400*	35.0	238.9	43,500	42.3	248.3	40,800	52.5	258.0	36,200										125
130				30.0	230.8	41,200	38.3	242.3	38,700	49.2	253.8	34,300										130
135				24.2	220.8	39,200	33.8	235.2	36,700	45.6	249.1	32,600	55.1	255.8	28,500							135
140				16.4	206.8	37,200	28.6	226.8	34,900	41.8	243.7	31,000	51.8	252.0	27,100							140
145							22.4	216.0	33,200	37.6	237.5	29,500	48.4	247.7	25,700							145
150							13.7	200.0	31,600	33.0	230.3	28,100	44.7	242.9	24,500							150
155										27.8	221.6	26,700	40.9	237.4	23,300	50.7	244.5	19,900				155
160										21.4	210.3	25,500	36.6	231.0	22,200	47.2	240.0	18,900				160
165										11.9	192.8	24,300	31.9	223.5	21,200	43.5	235.0	18,000				165
170													26.5	214.3	20,200	39.5	229.2	17,200				170
175													19.6	202.1	19,200	35.2	222.5	16,300	45.6	230.5	13,500	175
180													8.3	180.9	18,300	30.3	214.5	15,600	41.8	225.2	12,800	180
185																24.5	204.6	14,800	37.7	219.0	12,200	185
190																16.8	190.8	14,100	33.1	211.8	11,600	190
195																			27.8	203.1	11,000	195
200																			21.4	191.8	10,400	200
205																			12.0	174.4	9,800	205

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.9	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	83,900																75
80	60.3	282.3	74,200*	68.1	287.8	77,200																80
85	57.5	279.2	71,100*	65.5	285.6	71,300																85
90	54.6	275.8	68,200*	62.9	283.1	66,300	67.5	285.6	62,200													90
95	51.6	271.9	63,000*	60.1	280.3	61,800	64.8	283.3	57,900													95
100	48.5	267.6	58,100*	57.3	277.2	57,800	62.2	280.7	54,200													100
105	45.2	262.8	53,600*	54.4	273.7	54,200	59.4	277.8	50,800													105
110	41.7	257.4	49,500*	51.4	269.9	51,000	56.6	274.6	47,800													110
115	37.9	251.3	45,800*	48.2	265.5	48,100	53.6	271.1	45,000	61.8	276.5	39,900										115
120	33.7	244.2	42,400*	44.9	260.7	45,500	50.6	267.1	42,500	59.0	273.6	37,700										120
125	29.1	235.8	39,300*	41.4	255.3	43,100	47.4	262.7	40,300	56.1	270.4	35,600										125
130	23.5	225.4	36,600*	37.6	249.1	40,800	44.0	257.7	38,200	53.2	266.7	33,800										130
135	16.3	211.2	34,100*	33.4	241.9	38,800	40.4	252.1	36,200	50.1	262.7	32,000										135
140				28.7	233.4	36,900	36.5	245.6	34,500	46.9	258.2	30,400	55.5	264.5	26,400							140
145				23.1	222.8	35,100	32.2	238.1	32,800	43.5	253.1	28,900	52.5	260.8	25,100							145
150				15.7	208.1	33,400	27.4	229.2	31,300	39.9	247.4	27,500	49.4	256.7	23,900							150
155							21.4	217.8	29,800	35.9	240.8	26,200	46.2	252.1	22,700							155
160							13.1	201.1	28,400	31.6	233.1	25,000	42.7	246.8	21,600	51.5	253.3	18,300				160
165										26.6	223.9	23,900	39.0	240.9	20,600	48.4	249.0	17,400				165
170										20.4	212.0	22,800	35.0	234.2	19,600	45.1	244.2	16,500				170
175										11.3	193.7	21,700	30.5	226.2	18,700	41.6	238.8	15,700				175
180													25.3	216.5	17,900	37.8	232.6	15,000				180
185													18.8	203.8	17,000	33.6	225.5	14,300	46.9	239.6	12,200	185
190													7.9	181.6	16,200	28.9	217.1	13,600	39.9	228.8	11,000	190
195																23.4	206.6	12,900	36.0	222.3	10,400	195
200																16.1	192.2	12,300	31.6	214.6	9,800	200
205																			26.6	205.4	9,300	205
210																			20.5	193.6	8,800	210
215																			11.5	175.4	8,300	215

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.7	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	76,900																80
85	60.3	290.9	69,500*	67.5	296.5	71,100																85
90	57.7	287.9	66,700*	65.1	294.3	66,000																90
95	55.1	284.5	62,100*	62.6	291.8	61,500	66.9	294.3	57,700													95
100	52.3	280.7	57,600*	60.1	289.0	57,500	64.5	292.0	53,900													100
105	49.4	276.6	53,300*	57.5	285.9	54,000	62.0	289.4	50,500													105
110	46.4	272.0	49,400*	54.9	282.5	50,800	59.5	286.5	47,500													110
115	43.3	266.8	45,800*	52.1	278.7	47,900	56.8	283.3	44,800													115
120	39.9	261.1	42,500*	49.2	274.5	45,300	54.2	279.8	42,300	61.6	285.2	37,400										120
125	36.3	254.6	39,500*	46.2	269.9	42,900	51.4	275.9	40,000	59.1	282.3	35,400										125
130	32.3	247.1	36,700*	43.1	264.7	40,700	48.5	271.7	38,000	56.5	279.0	33,500										130
135	27.9	238.3	34,200*	39.7	258.9	38,600	45.4	266.9	36,100	53.7	275.5	31,800										135
140	22.6	227.4	32,000*	36.0	252.3	36,700	42.2	261.6	34,300	50.9	271.5	30,200										140
145	15.7	212.5	29,900*	32.0	244.8	35,000	38.8	255.6	32,600	48.0	267.2	28,700	55.9	273.3	24,900							145
150				27.5	235.8	33,400	35.0	248.8	31,100	44.9	262.3	27,300	53.1	269.6	23,600							150
155				22.2	224.7	31,800	30.9	240.9	29,700	41.7	256.9	26,100	50.3	265.6	22,500							155
160				15.1	209.4	30,400	26.2	231.5	28,300	38.2	250.8	24,900	47.3	261.1	21,400							160
165							20.6	219.6	27,100	34.5	243.9	23,700	44.2	256.2	20,400	52.2	262.1	17,100				165
170							12.5	202.2	25,800	30.3	235.8	22,700	40.9	250.6	19,400	49.4	258.0	16,300				170
175										25.5	226.2	21,600	37.4	244.3	18,600	46.4	253.4	15,500				175
180										19.6	213.8	20,700	33.6	237.2	17,700	43.2	248.2	14,800				180
185										10.9	194.6	19,700	29.3	228.8	16,900	39.8	242.5	14,100				185
190													24.3	218.6	16,100	36.2	235.9	13,400	45.0	243.8	10,700	190
195													18.0	205.3	15,400	32.2	228.4	12,800	41.7	238.4	10,200	195
200													7.6	182.2	14,600	27.7	219.5	12,100	38.3	232.3	9,600	200
205																22.4	208.6	11,600	34.5	225.4	9,100	205
210																15.4	193.5	11,000	30.3	217.3	8,600	210
215																			25.5	207.7	8,200	215
220																			19.6	195.3	7,700	220
225																			11.0	176.3	7,200	225

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.8	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	70,600																85
90	60.3	299.6	64,200*	67.0	305.3	65,500																90
95	57.9	296.5	61,100*	64.8	303.0	61,000																95
100	55.4	293.2	57,000*	62.5	300.4	57,000	66.4	303.0	53,300													100
105	52.9	289.5	53,100*	60.1	297.6	53,500	64.2	300.6	50,000													105
110	50.2	285.5	49,400*	57.7	294.5	50,300	61.9	298.0	47,000													110
115	47.5	281.0	45,900*	55.2	291.2	47,400	59.5	295.2	44,300													115
120	44.6	276.1	42,700*	52.7	287.5	44,800	57.1	292.0	41,800													120
125	41.6	270.7	39,800*	50.1	283.4	42,400	54.6	288.6	39,500	61.5	293.8	34,800										125
130	38.4	264.6	37,000*	47.3	278.9	40,200	52.0	284.8	37,500	59.1	290.9	32,900										130
135	34.9	257.7	34,500*	44.4	274.0	38,200	49.4	280.6	35,600	56.7	287.7	31,200										135
140	31.1	249.9	32,200*	41.4	268.5	36,300	46.6	276.0	33,800	54.2	284.2	29,600										140
145	26.8	240.7	30,100*	38.2	262.4	34,600	43.7	270.9	32,200	51.6	280.4	28,200										145
150	21.7	229.3	28,200*	34.7	255.5	33,000	40.6	265.3	30,600	48.9	276.1	26,800	56.2	281.9	23,000							150
155	15.1	213.8	26,500*	30.8	247.5	31,500	37.3	259.0	29,200	46.2	271.5	25,500	53.6	278.4	21,900							155
160				26.5	238.2	30,000	33.7	251.8	27,900	43.2	266.3	24,300	51.0	274.4	20,800							160
165				21.3	226.6	28,700	29.8	243.6	26,700	40.1	260.6	23,200	48.3	270.1	19,800							165
170				14.5	210.6	27,400	25.2	233.8	25,500	36.8	254.2	22,200	45.5	265.3	18,900	52.8	270.9	15,700				170
175							19.8	221.4	24,300	33.2	246.9	21,200	42.5	260.1	18,000	50.2	266.9	14,900				175
180							12.1	203.2	23,300	29.1	238.4	20,200	39.4	254.2	17,200	47.4	262.4	14,200				180
185										24.5	228.3	19,300	36.0	247.6	16,400	44.6	257.5	13,500				185
190										18.8	215.4	18,500	32.3	240.1	15,600	41.5	252.0	12,800				190
195										10.4	195.5	17,600	28.2	231.3	14,900	38.3	245.9	12,200	46.2	252.9	9,500	195
200													23.4	220.7	14,200	34.8	239.1	11,600	43.2	247.8	9,000	200
205													17.3	206.8	13,500	31.0	231.2	11,000	40.1	242.1	8,500	205
210													7.3	182.8	12,900	26.7	221.9	10,500	36.8	235.7	8,100	210
215																21.6	210.5	9,900	33.2	228.4	7,600	215
220																14.8	194.8	9,400	29.2	219.9	7,200	220
225																			24.6	209.8	6,700	225
230																			18.9	197.0	6,300	230
235																			10.6	177.2	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 IN
THE SCOPE OF ANSI B30.5

M-250

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			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.8	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	70,100																85
90	62.5	311.0	62,700*	68.6	316.1	65,000																90
95	60.3	308.3	59,400*	66.6	314.0	60,500																95
100	58.0	305.2	55,700*	64.4	311.6	56,600																100
105	55.7	301.9	52,200*	62.3	309.1	53,000	66.0	311.7	49,500													105
110	53.4	298.3	48,800*	60.1	306.3	49,800	63.9	309.3	46,500													110
115	50.9	294.3	45,600*	57.9	303.2	47,000	61.7	306.7	43,800													115
120	48.4	290.0	42,500*	55.6	299.9	44,300	59.5	303.8	41,300													120
125	45.8	285.3	39,700*	53.2	296.2	42,000	57.3	300.7	39,100													125
130	43.0	280.1	37,100*	50.8	292.2	39,800	55.0	297.3	37,000	61.4	302.5	32,400										130
135	40.1	274.3	34,600*	48.2	287.9	37,800	52.6	293.5	35,100	59.2	299.6	30,700										135
140	37.0	268.0	32,400*	45.6	283.1	35,900	50.1	289.5	33,300	56.9	296.4	29,100										140
145	33.7	260.8	30,300*	42.8	277.9	34,200	47.6	285.0	31,700	54.6	293.0	27,700										145
150	30.0	252.6	28,400*	39.9	272.1	32,600	44.9	280.2	30,200	52.2	289.2	26,300										150
155	25.9	243.0	26,700*	36.8	265.7	31,100	42.1	274.8	28,800	49.7	285.1	25,000	56.4	290.6	21,300							155
160	21.0	231.1	25,100*	33.4	258.5	29,700	39.1	268.9	27,500	47.2	280.5	23,900	54.1	287.1	20,300							160
165	14.5	215.1	23,600*	29.7	250.2	28,300	36.0	262.2	26,200	44.5	275.6	22,700	51.7	283.3	19,300							165
170				25.6	240.4	27,100	32.5	254.8	25,100	41.7	270.2	21,700	49.2	279.0	18,400							170
175				20.6	228.4	25,900	28.7	246.1	24,000	38.7	264.1	20,700	46.6	274.4	17,500							175
180				14.0	211.8	24,800	24.4	235.9	22,900	35.5	257.4	19,800	43.9	269.4	16,700	50.9	275.7	13,600				180
185							19.1	223.0	21,900	32.0	249.8	18,900	41.0	263.8	15,900	48.3	271.4	13,000				185
190							11.6	204.2	21,000	28.1	240.9	18,100	38.0	257.7	15,200	45.7	266.7	12,300				190
195										23.7	230.4	17,300	34.7	250.7	14,500	43.0	261.5	11,700				195
200										18.2	217.0	16,500	31.1	242.9	13,800	40.0	255.7	11,100	47.2	262.0	8,500	200
205										10.1	196.4	15,700	27.2	233.7	13,100	36.9	249.3	10,500	44.5	257.1	8,000	205
210													22.5	222.7	12,500	33.6	242.1	10,000	41.7	251.6	7,500	210
215													16.7	208.3	11,900	29.9	233.9	9,500	38.7	245.6	7,100	215
220													7.0	183.4	11,300	25.8	224.2	9,000	35.5	238.9	6,700	220
225																20.8	212.3	8,500	32.0	231.3	6,300	225
230																14.3	196.0	8,000	28.2	222.5	5,900	230
235																			23.7	211.9	5,500	235
240																			18.2	198.5	5,100	240
245																			10.2	178.1	4,700	245

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.8	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	64,500																90
95	62.3	319.7	57,200*	68.1	324.9	60,000																95
100	60.2	316.9	54,100*	66.2	322.7	56,100																100
105	58.2	313.9	50,900*	64.2	320.3	52,500	67.6	322.6	48,900													105
110	56.0	310.6	47,900*	62.2	317.8	49,300	65.6	320.4	45,900													110
115	53.8	307.0	44,900*	60.1	314.9	46,500	63.6	318.0	43,200													115
120	51.5	303.1	42,100*	58.0	311.9	43,900	61.6	315.4	40,800													120
125	49.2	298.9	39,400*	55.9	308.6	41,500	59.6	312.5	38,500													125
130	46.8	294.4	36,900*	53.7	305.0	39,300	57.4	309.4	36,500													130
135	44.2	289.4	34,600*	51.4	301.1	37,300	55.3	306.0	34,600	61.3	311.2	30,100										135
140	41.6	283.9	32,400*	49.0	296.8	35,400	53.1	302.3	32,800	59.2	308.3	28,500										140
145	38.8	277.9	30,300*	46.6	292.2	33,700	50.8	298.3	31,200	57.1	305.1	27,100										145
150	35.8	271.2	28,500*	44.1	287.2	32,100	48.4	294.0	29,700	55.0	301.7	25,700										150
155	32.6	263.7	26,700*	41.4	281.7	30,600	45.9	289.3	28,300	52.7	298.0	24,500										155
160	29.0	255.2	25,100*	38.6	275.7	29,200	43.4	284.2	27,000	50.4	293.9	23,300	56.6	299.3	19,700							160
165	25.0	245.2	23,600*	35.6	268.9	27,900	40.7	278.5	25,800	48.1	289.5	22,200	54.5	295.8	18,700							165
170	20.3	232.9	22,300*	32.3	261.4	26,700	37.8	272.3	24,600	45.6	284.8	21,200	52.2	292.1	17,800							170
175	14.1	216.3	21,100*	28.8	252.8	25,500	34.8	265.4	23,500	43.0	279.6	20,200	49.9	287.9	16,900							175
180				24.7	242.6	24,400	31.4	257.6	22,500	40.3	273.8	19,300	47.5	283.5	16,100							180
185				19.9	230.2	23,400	27.8	248.6	21,500	37.4	267.5	18,400	45.0	278.6	15,300	51.5	284.6	12,300				185
190				13.5	213.0	22,400	23.6	238.0	20,600	34.3	260.5	17,600	42.4	273.3	14,600	49.1	280.3	11,700				190
195							18.5	224.6	19,700	30.9	252.5	16,800	39.6	267.5	13,900	46.7	275.7	11,100				195
200							11.2	205.2	18,800	27.2	243.4	16,000	36.7	261.0	13,200	44.2	270.7	10,500				200
205										22.9	232.4	15,300	33.6	253.8	12,600	41.5	265.3	10,000				205
210										17.6	218.5	14,600	30.1	245.6	12,000	38.7	259.2	9,400	45.6	266.2	6,900	210
215										9.7	197.2	13,900	26.3	236.1	11,400	35.7	252.5	8,900	43.0	261.0	6,500	215
220													21.8	224.6	10,900	32.5	245.0	8,400	40.3	255.3	6,100	220
225													16.2	209.7	10,300	28.9	236.4	8,000	37.4	249.0	5,700	225
230													6.8	183.9	9,800	24.9	226.4	7,500	34.3	242.0	5,300	230
235																20.1	214.1	7,100	31.0	234.0	4,900	235
240																13.8	197.2	6,600	27.2	224.9	4,500	240
245																			22.9	214.0	4,200	245

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.9	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	59,700																95
100	62.2	328.4	52,200*	67.6	333.6	55,800																100
105	60.2	325.6	49,500*	65.8	331.4	52,200																105
110	58.3	322.6	46,700*	63.9	329.0	49,100	67.2	331.4	45,600													110
115	56.2	319.3	44,100*	62.0	326.4	46,200	65.3	329.1	42,900													115
120	54.2	315.8	41,500*	60.1	323.6	43,600	63.4	326.7	40,500													120
125	52.1	311.9	39,000*	58.1	320.6	41,200	61.5	324.0	38,200													125
130	49.9	307.8	36,700*	56.1	317.3	39,000	59.6	321.2	36,200													130
135	47.6	303.4	34,400*	54.0	313.7	37,000	57.6	318.1	34,300													135
140	45.3	298.6	32,300*	51.9	309.9	35,200	55.6	314.7	32,600	61.2	319.8	28,300										140
145	42.8	293.3	30,400*	49.7	305.8	33,500	53.5	311.1	30,900	59.3	316.9	26,800										145
150	40.3	287.6	28,500*	47.5	301.3	31,900	51.4	307.2	29,400	57.3	313.8	25,500										150
155	37.6	281.3	26,800*	45.1	296.4	30,400	49.1	302.9	28,100	55.3	310.4	24,200										155
160	34.7	274.3	25,200*	42.7	291.2	29,000	46.9	298.4	26,700	53.2	306.7	23,000										160
165	31.6	266.5	23,800*	40.1	285.4	27,700	44.5	293.4	25,500	51.0	302.8	21,900	56.9	308.0	18,400							165
170	28.1	257.7	22,400*	37.4	279.1	26,500	42.0	288.0	24,400	48.8	298.5	20,900	54.8	304.6	17,500							170
175	24.3	247.3	21,100*	34.5	272.0	25,300	39.4	282.1	23,300	46.5	293.9	19,900	52.7	300.8	16,600							175
180	19.7	234.6	20,000*	31.3	264.2	24,200	36.6	275.6	22,300	44.1	288.9	19,000	50.5	296.8	15,800							180
185	13.6	217.4	18,900*	27.9	255.2	23,200	33.7	268.4	21,300	41.6	283.4	18,200	48.3	292.5	15,100							185
190				24.0	244.7	22,200	30.5	260.3	20,400	39.0	277.4	17,300	46.0	287.8	14,300	52.0	293.4	11,400				190
195				19.3	231.8	21,300	26.9	251.0	19,500	36.2	270.8	16,600	43.6	282.6	13,700	49.8	289.2	10,800				195
200				13.1	214.1	20,400	22.8	240.0	18,700	33.2	263.5	15,800	41.1	277.1	13,000	47.6	284.8	10,200				200
205							17.9	226.2	17,900	30.0	255.2	15,100	38.4	271.0	12,400	45.2	279.9	9,700				205
210							10.9	206.1	17,100	26.3	245.7	14,500	35.6	264.2	11,800	42.8	274.7	9,200				210
215										22.2	234.4	13,800	32.5	256.7	11,200	40.2	268.9	8,700	46.5	275.3	6,200	215
220										17.0	220.0	13,200	29.2	248.2	10,700	37.5	262.6	8,200	44.2	270.3	5,800	220
225										9.4	198.0	12,500	25.5	238.3	10,200	34.6	255.7	7,700	41.7	264.9	5,400	225
230													21.1	226.4	9,600	31.5	247.8	7,300	39.0	258.9	5,000	230
235													15.7	211.0	9,100	28.0	238.9	6,900	36.2	252.3	4,700	235
240													6.5	184.5	8,600	24.1	228.5	6,500	33.3	245.0	4,300	240
245																19.5	215.8	6,100	30.0	236.7	4,000	245
250																13.4	198.4	5,700				250

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	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	58,400*																95
100	63.8	339.6	50,000*	68.9	344.4	55,300																100
105	62.0	337.0	47,600*	67.2	342.3	51,700																105
110	60.2	334.2	45,300*	65.5	340.1	48,600																110
115	58.4	331.2	42,900*	63.7	337.7	45,700	66.8	340.1	42,400													115
120	56.5	328.0	40,600*	61.9	335.1	43,100	65.0	337.8	40,000													120
125	54.5	324.5	38,300*	60.1	332.3	40,700	63.2	335.4	37,700													125
130	52.5	320.7	36,200*	58.2	329.2	38,600	61.4	332.7	35,700													130
135	50.5	316.7	34,100*	56.3	326.0	36,600	59.6	329.8	33,800													135
140	48.4	312.4	32,100*	54.4	322.5	34,700	57.7	326.7	32,100	63.0	331.2	27,700										140
145	46.2	307.7	30,200*	52.4	318.7	33,000	55.8	323.4	30,400	61.2	328.5	26,200										145
150	43.9	302.6	28,500*	50.3	314.6	31,400	53.9	319.8	29,000	59.3	325.6	24,900										150
155	41.6	297.1	26,800*	48.2	310.3	29,900	51.9	316.0	27,600	57.5	322.5	23,700										155
160	39.1	291.1	25,300*	46.0	305.6	28,500	49.8	311.8	26,300	55.5	319.1	22,500										160
165	36.5	284.6	23,800*	43.8	300.5	27,300	47.7	307.4	25,000	53.6	315.5	21,400										165
170	33.7	277.4	22,400*	41.4	294.9	26,000	45.5	302.6	23,900	51.6	311.6	20,400	57.0	316.7	16,900							170
175	30.6	269.3	21,200*	38.9	288.9	24,900	43.2	297.4	22,800	49.5	307.4	19,400	55.1	313.3	16,100							175
180	27.3	260.1	20,000*	36.3	282.3	23,800	40.8	291.8	21,800	47.3	302.9	18,500	53.1	309.6	15,300							180
185	23.6	249.4	18,900*	33.5	275.1	22,800	38.2	285.6	20,900	45.1	298.1	17,600	51.1	305.7	14,500							185
190	19.1	236.3	17,900*	30.4	266.9	21,800	35.6	278.8	20,000	42.8	292.8	16,800	49.0	301.4	13,800							190
195	13.2	218.6	17,000*	27.1	257.6	20,900	32.7	271.4	19,100	40.4	287.1	16,100	46.9	296.8	13,100	52.5	302.2	10,200				195
200				23.3	246.8	20,000	29.6	262.9	18,300	37.9	280.8	15,300	44.6	291.9	12,500	50.4	298.1	9,600				200
205				18.7	233.5	19,200	26.1	253.3	17,500	35.2	274.0	14,600	42.3	286.5	11,800	48.3	293.8	9,100				205
210				12.7	215.2	18,400	22.2	241.9	16,700	32.3	266.4	14,000	39.8	280.7	11,300	46.1	289.1	8,600				210
215							17.4	227.7	16,000	29.1	257.8	13,300	37.3	274.3	10,700	43.9	284.0	8,100				215
220							10.6	207.0	15,300	25.6	248.0	12,700	34.5	267.3	10,200	41.5	278.5	7,600	47.4	284.4	5,200	220
225										21.5	236.3	12,200	31.6	259.5	9,600	39.0	272.5	7,200	45.1	279.5	4,800	225
230										16.5	221.4	11,600	28.3	250.7	9,200	36.4	265.9	6,800	42.8	274.3	4,400	230
235										9.1	198.7	11,000	24.7	240.5	8,700	33.6	258.7	6,300	40.4	268.6	4,100	235
240													20.5	228.2	8,200	30.6	250.6	5,900				240
245													15.2	212.3	7,800	27.2	241.4	5,600				245
250													6.3	185.0	7,300	23.4	230.6	5,200				250
255																19.0	217.4	4,800				255
260																13.0	199.5	4,400				260

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	
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	52,600*													100
105	63.6	348.3	45,900*	68.5	353.2	48,300*													105
110	61.9	345.7	43,900*	66.9	351.1	47,500*													110
115	60.2	342.9	41,900*	65.2	348.8	45,300													115
120	58.4	339.9	39,800*	63.5	346.4	42,700	66.4	348.8	39,500										120
125	56.7	336.7	37,800*	61.8	343.7	40,300	64.8	346.5	37,300										125
130	54.8	333.2	35,800*	60.1	340.9	38,100	63.1	344.0	35,200										130
135	52.9	329.5	33,900*	58.3	337.9	36,100	61.4	341.4	33,300										135
140	51.0	325.5	32,100*	56.5	334.7	34,300	59.6	338.5	31,600										140
145	49.0	321.3	30,300*	54.7	331.2	32,600	57.9	335.4	30,000	62.8	339.9	25,800							145
150	47.0	316.7	28,600*	52.8	327.5	31,000	56.1	332.1	28,500	61.1	337.1	24,400							150
155	44.9	311.8	27,000*	50.9	323.5	29,500	54.2	328.6	27,100	59.4	334.2	23,200							155
160	42.7	306.5	25,500*	48.9	319.2	28,100	52.3	324.8	25,800	57.6	331.1	22,000							160
165	40.4	300.8	24,100*	46.9	314.6	26,900	50.4	320.7	24,600	55.8	327.8	20,900							165
170	38.0	294.6	22,700*	44.7	309.7	25,600	48.4	316.4	23,500	53.9	324.2	19,900							170
175	35.5	287.8	21,500*	42.5	304.4	24,500	46.3	311.7	22,400	52.0	320.4	19,000	57.2	325.4	15,600				175
180	32.7	280.3	20,300*	40.2	298.6	23,400	44.2	306.7	21,400	50.1	316.3	18,100	55.4	322.0	14,800				180
185	29.8	271.9	19,200*	37.8	292.4	22,400	41.9	301.3	20,500	48.1	311.9	17,200	53.5	318.4	14,000				185
190	26.6	262.5	18,100*	35.3	285.5	21,500	39.6	295.4	19,500	46.0	307.2	16,400	51.6	314.5	13,300				190
195	22.9	251.4	17,200*	32.5	278.0	20,500	37.2	289.0	18,700	43.8	302.1	15,600	49.6	310.3	12,600				195
200	18.6	237.9	16,300*	29.6	269.6	19,700	34.6	282.0	17,900	41.6	296.6	14,900	47.6	305.9	12,000	52.9	310.9	9,200	200
205	12.9	219.7	15,500*	26.3	260.0	18,900	31.8	274.2	17,100	39.3	290.7	14,200	45.5	301.1	11,400	51.0	307.0	8,600	205
210				22.6	248.8	18,100	28.8	265.5	16,400	36.8	284.2	13,600	43.4	295.9	10,800	49.0	302.7	8,100	210
215				18.2	235.1	17,300	25.4	255.6	15,700	34.2	277.1	12,900	41.1	290.3	10,200	46.9	298.1	7,600	215
220				12.4	216.3	16,600	21.6	243.8	15,000	31.4	269.2	12,300	38.7	284.2	9,700	44.8	293.2	7,200	220
225							16.9	229.2	14,300	28.3	260.3	11,800	36.2	277.6	9,200	42.6	287.9	6,700	225
230							10.3	207.9	13,700	24.9	250.2	11,200	33.6	270.3	8,700	40.3	282.2	6,300	230
235										20.9	238.1	10,700	30.7	262.3	8,300	37.9	276.0	5,900	235
240										16.1	222.8	10,200	27.6	253.1	7,800	35.4	269.1	5,500	240
245										8.9	199.5	9,600	24.0	242.6	7,400	32.7	261.6	5,100	245
250													19.9	230.0	6,900	29.7	253.2	4,800	250
255													14.8	213.6	6,500	26.5	243.7	4,400	255
260													6.2	185.5	6,100	22.8	232.6	4,100	260

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	
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	48,100*													105
110	63.5	357.0	41,900*	68.1	361.9	47,600													110
115	61.8	354.4	40,200*	66.5	359.8	44,800													115
120	60.2	351.6	38,400*	64.9	357.5	42,200	67.7	359.7	39,000										120
125	58.5	348.6	36,600*	63.3	355.0	39,800	66.1	357.5	36,700										125
130	56.8	345.3	34,900*	61.7	352.4	37,600	64.5	355.2	34,700										130
135	55.1	341.9	33,100*	60.1	349.6	35,700	62.9	352.7	32,800										135
140	53.3	338.3	31,500*	58.4	346.6	33,800	61.3	350.0	31,100										140
145	51.5	334.4	29,800*	56.7	343.3	32,100	59.6	347.1	29,500										145
150	49.6	330.2	28,300*	55.0	339.9	30,500	58.0	344.1	28,000	62.7	348.5	23,900							150
155	47.7	325.7	26,800*	53.2	336.2	29,100	56.3	340.8	26,600	61.1	345.8	22,600							155
160	45.7	321.0	25,300*	51.4	332.3	27,700	54.5	337.3	25,300	59.4	342.9	21,500							160
165	43.7	315.9	23,900*	49.5	328.1	26,400	52.7	333.6	24,100	57.7	339.8	20,400							165
170	41.6	310.4	22,700*	47.6	323.6	25,200	50.9	329.6	23,000	56.0	336.5	19,400							170
175	39.3	304.4	21,400*	45.6	318.9	24,100	49.0	325.3	21,900	54.2	333.0	18,400							175
180	37.0	298.0	20,300*	43.5	313.7	23,000	47.1	320.8	20,900	52.4	329.2	17,500	57.3	334.1	14,200				180
185	34.5	290.9	19,200*	41.4	308.2	22,000	45.1	315.9	20,000	50.6	325.2	16,700	55.6	330.7	13,400				185
190	31.9	283.2	18,200*	39.2	302.2	21,000	43.0	310.6	19,100	48.7	320.9	15,900	53.8	327.1	12,700				190
195	29.0	274.5	17,200*	36.8	295.7	20,100	40.8	305.0	18,200	46.8	316.3	15,100	52.0	323.3	12,100				195
200	25.9	264.8	16,300*	34.3	288.6	19,300	38.6	298.9	17,400	44.8	311.3	14,400	50.2	319.2	11,400				200
205	22.3	253.4	15,500*	31.7	280.8	18,400	36.2	292.3	16,700	42.7	306.0	13,700	48.3	314.8	10,800				205
210	18.1	239.5	14,700*	28.8	272.1	17,700	33.7	285.0	15,900	40.5	300.3	13,100	46.3	310.2	10,300	51.4	315.8	7,500	210
215	12.5	220.8	14,000*	25.6	262.2	16,900	31.0	277.0	15,200	38.2	294.1	12,400	44.3	305.1	9,700	49.6	311.6	7,000	215
220				22.0	250.7	16,200	28.0	268.0	14,600	35.8	287.4	11,800	42.2	299.8	9,200	47.7	307.1	6,600	220
225				17.7	236.6	15,500	24.7	257.7	13,900	33.3	280.1	11,300	40.0	294.0	8,700	45.7	302.4	6,100	225
230				12.0	217.3	14,700*	21.0	245.7	13,300	30.5	271.9	10,700	37.7	287.7	8,200	43.6	297.2	5,700	230
235							16.5	230.6	12,700	27.6	262.8	10,200	35.3	280.8	7,700	41.5	291.7	5,300	235
240							10.0	208.7	12,100	24.2	252.3	9,700	32.7	273.3	7,300	39.3	285.8	4,900	240
245										20.4	239.9	9,200	29.9	264.9	6,900	36.9	279.3	4,600	245
250										15.7	224.2	8,700	26.8	255.5	6,500	34.4	272.2	4,200	250
255										8.7	200.2	8,300	23.4	244.7	6,100				255
260													19.4	231.7	5,700				260
265													14.4	214.9	5,300				265
270													6.0	186.0	4,900				270

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**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										22.1	206.2	37,200	44.8	224.2	32,800							125
130													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	47.9	212.6	18,500	150
155																19.5	191.3	20,800	42.0	207.4	17,600	155
160																			35.3	200.9	16,700	160
165																			27.2	192.3	15,900	165
170																			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 IN
THE SCOPE OF ANSI B30.5

M-250

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			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	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	93,100b																70
75	47.3	246.6	84,600*	61.2	256.3	85,300b																75
80	42.2	241.4	80,900*	57.0	253.2	78,500b	64.6	256.8	73,700b													80
85	36.4	235.1	75,500*	52.6	249.5	72,700	60.6	254.1	68,200b													85
90	29.6	227.1	68,700*	47.8	245.2	67,600	56.3	250.9	63,400													90
95	20.9	216.0	62,800*	42.7	240.1	63,000	51.8	247.2	59,200													95
100				37.0	233.9	59,000	47.1	242.7	55,400	60.7	250.2	49,300b										100
105				30.4	226.2	55,400	41.9	237.5	52,000	56.4	247.0	46,300										105
110				22.0	215.6	52,100	36.0	231.1	48,900	51.9	243.3	43,600										110
115				6.3	194.3	49,000	29.2	223.0	46,200	47.2	238.9	41,100										115
120							20.4	211.7	43,600	42.0	233.6	38,800	56.2	241.5	34,000							120
125										36.2	227.3	36,700	51.7	237.7	32,200							125
130										29.4	219.2	34,800	46.9	233.3	30,500							130
135										20.6	208.0	33,000	41.7	228.0	28,900							135
140													35.8	221.6	27,500	50.9	230.5	23,600				140
145													29.0	213.4	26,100	46.1	226.0	22,400				145
150													20.0	201.9	24,800	40.8	220.5	21,300				150
155																34.8	213.8	20,200				155
160																27.7	205.3	19,200	44.6	216.7	16,000	160
165																18.1	192.9	18,300	39.1	211.0	15,200	165
170																			32.9	203.9	14,500	170
175																			25.3	194.5	13,700	175
180																			14.2	179.9	13,000	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 IN
THE SCOPE OF ANSI B30.5

M-250

**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			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	67.8	271.5	100,600*																			55
60	64.3	269.2	95,500*																			60
65	60.7	266.5	90,800*																			65
70	56.9	263.4	86,500*	68.2	269.9	92,700b																70
75	53.0	259.8	82,500*	64.7	267.6	84,800b																75
80	48.9	255.6	78,900*	61.1	265.0	78,100	67.6	267.8	73,300b													80
85	44.4	250.7	74,800*	57.3	261.9	72,300	64.1	265.5	67,800b													85
90	39.6	245.0	68,200*	53.4	258.3	67,200	60.5	262.8	63,000													90
95	34.2	238.2	62,300*	49.3	254.2	62,700	56.7	259.6	58,800													95
100	27.9	229.6	57,100*	44.9	249.4	58,700	52.8	256.0	55,000													100
105	19.7	217.8	52,500*	40.1	243.8	55,100	48.6	251.8	51,600	60.6	258.8	45,800										105
110				34.8	237.1	51,900	44.2	246.9	48,600	56.8	255.7	43,100										110
115				28.6	228.7	49,000	39.3	241.1	45,900	52.9	252.1	40,700										115
120				20.7	217.4	46,300	33.9	234.1	43,300	48.7	247.9	38,400										120
125				5.9	194.8	43,700	27.5	225.4	41,000	44.3	243.0	36,400	56.6	250.2	31,700							125
130							19.2	213.4	38,900	39.4	237.2	34,500	52.7	246.6	30,000							130
135										34.0	230.3	32,700	48.5	242.3	28,500							135
140										27.6	221.7	31,100	44.0	237.4	27,100							140
145										19.4	209.7	29,500	39.1	231.6	25,700	52.0	239.4	21,900				145
150													33.7	224.6	24,500	47.8	235.0	20,800				150
155													27.2	215.8	23,300	43.3	230.0	19,800				155
160													18.8	203.5	22,200	38.3	224.0	18,800				160
165																32.7	216.8	17,900	46.5	225.9	14,800	165
170																26.0	207.6	17,100	41.9	220.6	14,000	170
175																17.0	194.4	16,200	36.8	214.3	13,300	175
180																			30.9	206.6	12,700	180
185																			23.8	196.6	12,000	185
190																			13.4	181.0	11,300	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 IN
THE SCOPE OF ANSI B30.5

M-250

**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			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	70.1	282.3	97,400*																			55
60	67.1	280.2	92,700*																			60
65	63.9	277.9	88,300*																			65
70	60.6	275.2	84,100*	70.5	280.6	92,100b																70
75	57.3	272.1	80,300*	67.4	278.6	84,300b																75
80	53.7	268.5	76,800*	64.2	276.3	77,600																80
85	50.1	264.5	73,500*	61.0	273.6	71,800	66.9	276.5	67,200b													85
90	46.2	259.9	67,600*	57.6	270.6	66,700	63.7	274.1	62,400													90
95	42.0	254.6	61,900*	54.1	267.1	62,200	60.5	271.4	58,200													95
100	37.4	248.4	56,800*	50.5	263.1	58,200	57.1	268.3	54,400													100
105	32.3	241.1	52,200*	46.6	258.6	54,700	53.6	264.7	51,100													105
110	26.4	231.9	48,100*	42.5	253.4	51,500	49.9	260.7	48,100	60.5	267.5	42,400										110
115	18.6	219.4	44,500*	37.9	247.3	48,600	46.0	256.0	45,300	57.1	264.4	40,000										115
120				32.9	240.1	45,900	41.8	250.7	42,900	53.6	260.8	37,800										120
125				27.0	231.1	43,500	37.2	244.5	40,600	50.0	256.8	35,800										125
130				19.6	219.1	41,200	32.1	237.0	38,500	46.1	252.2	33,900	56.9	258.9	29,300							130
135				5.6	195.2	39,000	26.0	227.7	36,500	41.9	246.9	32,200	53.4	255.3	27,800							135
140							18.1	214.9	34,700	37.3	240.6	30,600	49.7	251.3	26,400							140
145										32.2	233.2	29,100	45.8	246.6	25,100							145
150										26.2	224.0	27,700	41.6	241.2	23,900	52.8	248.2	20,100				150
155										18.3	211.3	26,300	37.0	235.0	22,700	49.1	244.0	19,100				155
160													31.9	227.5	21,600	45.2	239.2	18,200				160
165													25.8	218.1	20,600	40.9	233.7	17,300				165
170													17.8	205.1	19,600	36.2	227.3	16,400	48.0	234.9	13,300	170
175																30.9	219.6	15,600	44.0	230.0	12,600	175
180																24.6	209.8	14,900	39.6	224.2	12,000	180
185																16.1	195.7	14,100	34.8	217.5	11,400	185
190																			29.3	209.2	10,800	190
195																			22.5	198.6	10,200	195
200																			12.6	182.1	9,600	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 IN
THE SCOPE OF ANSI B30.5

M-250

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			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	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	83,800 ^b																75
80	57.5	280.7	75,100*	66.7	287.3	77,100																80
85	54.3	277.3	71,900*	63.8	285.0	71,300																85
90	51.0	273.4	66,800*	60.9	282.3	66,200	66.3	285.2	61,900													90
95	47.6	269.0	61,500*	57.8	279.2	61,700	63.4	282.8	57,700													95
100	43.9	264.0	56,600*	54.7	275.8	57,800	60.4	280.1	53,900													100
105	39.9	258.3	52,100*	51.4	272.0	54,200	57.3	277.0	50,600													105
110	35.6	251.7	48,100*	47.9	267.6	51,000	54.2	273.5	47,600													110
115	30.8	243.8	44,500*	44.3	262.7	48,100	50.9	269.6	44,900	60.5	276.2	39,500										115
120	25.1	234.1	41,200*	40.4	257.1	45,500	47.4	265.1	42,400	57.4	273.1	37,300										120
125	17.7	220.9	38,400*	36.1	250.6	43,100	43.7	260.1	40,100	54.2	269.6	35,200										125
130				31.3	242.9	40,900	39.7	254.3	38,100	50.9	265.7	33,400										130
135				25.7	233.4	38,800	35.4	247.7	36,200	47.5	261.2	31,700	57.2	267.6	27,300							135
140				18.6	220.7	36,900	30.5	239.8	34,400	43.8	256.2	30,100	54.1	264.1	25,900							140
145				5.3	195.6	35,000	24.7	229.9	32,700	39.8	250.5	28,600	50.7	260.1	24,600							145
150							17.2	216.4	31,100	35.5	243.9	27,300	47.2	255.7	23,400							150
155										30.6	236.0	26,000	43.5	250.6	22,200							155
160										24.9	226.2	24,800	39.6	244.9	21,200	50.2	252.9	17,600				160
165										17.4	212.8	23,600	35.2	238.2	20,200	46.7	248.4	16,800				165
170													30.3	230.2	19,200	42.9	243.2	15,900				170
175													24.5	220.2	18,300	38.9	237.3	15,200				175
180													16.9	206.5	17,400	34.5	230.4	14,400	45.6	239.2	11,400	180
185																29.4	222.2	13,700	41.8	233.8	10,900	185
190																23.4	211.8	13,000	37.7	227.7	10,300	190
195																15.3	197.1	12,400	33.1	220.5	9,700	195
200																			27.8	211.7	9,200	200
205																			21.4	200.5	8,700	205
210																			12.0	183.1	8,200	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	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	76,500																80
85	57.7	289.4	70,100*	66.2	296.1	70,700																85
90	54.8	286.0	65,600*	63.5	293.6	65,700																90
95	51.8	282.2	60,700*	60.8	290.9	61,200	65.8	293.9	57,100													95
100	48.7	277.9	56,100*	58.0	287.9	57,300	63.1	291.5	53,400													100
105	45.4	273.2	51,800*	55.1	284.5	53,700	60.4	288.7	50,000													105
110	41.9	267.8	47,900*	52.1	280.8	50,600	57.6	285.6	47,100													110
115	38.1	261.7	44,400*	49.0	276.6	47,700	54.7	282.2	44,400													115
120	34.0	254.7	41,100*	45.8	271.9	45,100	51.7	278.4	41,900	60.4	284.8	36,600										120
125	29.4	246.4	38,200*	42.3	266.6	42,700	48.5	274.1	39,600	57.6	281.7	34,600										125
130	24.0	236.2	35,600*	38.5	260.6	40,500	45.2	269.3	37,600	54.7	278.3	32,800										130
135	16.9	222.4	33,200*	34.5	253.7	38,400	41.7	263.9	35,700	51.7	274.5	31,100										135
140				29.9	245.5	36,600	37.9	257.8	33,900	48.6	270.2	29,500	57.5	276.3	25,200							140
145				24.6	235.6	34,800	33.8	250.7	32,300	45.3	265.5	28,100	54.6	272.8	23,900							145
150				17.8	222.2	33,100	29.1	242.4	30,800	41.8	260.1	26,700	51.6	269.0	22,700							150
155				5.0	196.0	31,500	23.6	232.0	29,300	38.0	254.0	25,500	48.4	264.7	21,600							155
160							16.5	217.8	27,900	33.9	246.9	24,300	45.1	259.9	20,600							160
165										29.3	238.6	23,200	41.6	254.5	19,600	51.1	261.8	16,100				165
170										23.8	228.3	22,100	37.8	248.3	18,700	47.9	257.4	15,300				170
175										16.7	214.2	21,100	33.6	241.2	17,800	44.5	252.5	14,500				175
180													29.0	232.8	17,000	41.0	247.0	13,800				180
185													23.4	222.3	16,200	37.1	240.7	13,100	46.9	248.3	10,200	185
190													16.2	207.9	15,400	32.9	233.4	12,500	43.5	243.2	9,600	190
195																28.1	224.7	11,900	39.9	237.5	9,100	195
200																22.4	213.8	11,300	36.0	230.9	8,600	200
205																14.6	198.3	10,700	31.6	223.3	8,100	205
210																			26.6	214.1	7,600	210
215																			20.5	202.3	7,200	215
220																			11.5	184.0	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 IN
THE SCOPE OF ANSI B30.5

M-250

**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			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	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	76,200																80
85	60.5	301.1	67,700*	68.1	307.0	70,500																85
90	57.9	298.1	64,600*	65.7	304.8	65,400																90
95	55.2	294.7	60,100*	63.3	302.3	61,000	67.7	304.9	56,800													95
100	52.5	291.0	55,900*	60.7	299.6	57,000	65.3	302.6	53,100													100
105	49.6	286.9	51,900*	58.2	296.6	53,500	62.9	300.2	49,800													105
110	46.7	282.3	48,100*	55.5	293.2	50,300	60.3	297.4	46,800													110
115	43.5	277.2	44,600*	52.8	289.6	47,500	57.8	294.3	44,100													115
120	40.2	271.5	41,500*	49.9	285.5	44,900	55.1	290.9	41,700	62.9	296.2	36,400										120
125	36.6	265.1	38,500*	47.0	281.0	42,500	52.3	287.2	39,400	60.4	293.5	34,400										125
130	32.6	257.7	35,900*	43.8	275.9	40,300	49.5	283.0	37,400	57.8	290.4	32,600										130
135	28.2	249.0	33,400*	40.5	270.3	38,300	46.5	278.4	35,500	55.2	287.0	30,900										135
140	23.0	238.2	31,300*	37.0	263.9	36,400	43.3	273.3	33,700	52.4	283.3	29,300										140
145	16.2	223.8	29,300*	33.1	256.6	34,700	40.0	267.6	32,100	49.5	279.2	27,900	57.7	284.9	23,700							145
150				28.7	248.1	33,100	36.4	261.1	30,600	46.6	274.6	26,500	55.0	281.5	22,500							150
155				23.6	237.6	31,500	32.4	253.6	29,200	43.4	269.5	25,300	52.2	277.8	21,400							155
160				17.1	223.7	30,100	28.0	244.8	27,900	40.1	263.7	24,100	49.4	273.6	20,300							160
165				4.8	196.4	28,700	22.7	234.0	26,600	36.5	257.3	23,000	46.4	269.0	19,400							165
170							15.8	219.2	25,400	32.5	249.8	21,900	43.2	263.9	18,500	51.8	270.6	15,100				170
175										28.1	241.1	21,000	39.9	258.1	17,600	48.9	266.4	14,300				175
180										22.8	230.3	20,000	36.2	251.6	16,800	45.9	261.7	13,600				180
185										16.0	215.6	19,100	32.3	244.1	16,000	42.7	256.4	12,900				185
190													27.8	235.2	15,300	39.3	250.6	12,300				190
195													22.5	224.3	14,600	35.6	243.9	11,700	45.0	252.5	8,900	195
200													15.5	209.3	13,900	31.6	236.2	11,100	41.7	247.1	8,400	200
205																27.0	227.1	10,600	38.3	241.0	7,900	205
210																21.5	215.7	10,000	34.5	234.1	7,500	210
215																14.0	199.5	9,500	30.3	226.0	7,000	215
220																			25.5	216.3	6,600	220
225																			19.6	204.0	6,200	225
230																			11.0	185.0	5,800	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	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	69,900																85
90	60.4	309.8	62,700*	67.6	315.7	64,900																90
95	58.1	306.8	58,700*	65.3	313.5	60,500																95
100	55.6	303.4	54,800*	63.0	311.0	56,500	67.2	313.6	52,500													100
105	53.1	299.8	51,100*	60.7	308.3	53,000	65.0	311.3	49,200													105
110	50.4	295.7	47,600*	58.3	305.2	49,800	62.7	308.8	46,300													110
115	47.7	291.3	44,300*	55.9	301.9	47,000	60.3	306.0	43,600													115
120	44.8	286.5	41,300*	53.3	298.3	44,400	57.9	303.0	41,100													120
125	41.8	281.1	38,400*	50.7	294.3	42,000	55.5	299.6	38,900	62.7	304.9	33,800										125
130	38.6	275.0	35,800*	48.0	290.0	39,800	52.9	296.0	36,900	60.4	302.1	32,000										130
135	35.2	268.3	33,400*	45.1	285.1	37,800	50.3	291.9	35,000	58.0	299.1	30,300										135
140	31.4	260.5	31,200*	42.2	279.8	36,000	47.6	287.5	33,200	55.5	295.7	28,700										140
145	27.1	251.4	29,200*	39.0	273.9	34,200	44.7	282.6	31,600	53.0	292.1	27,300										145
150	22.1	240.2	27,400*	35.6	267.2	32,600	41.7	277.2	30,100	50.3	288.0	26,000	57.8	293.6	21,900							150
155	15.6	225.1	25,800*	31.8	259.5	31,200	38.5	271.1	28,700	47.6	283.6	24,700	55.4	290.2	20,800							155
160				27.6	250.5	29,700	35.0	264.3	27,400	44.8	278.7	23,600	52.8	286.6	19,700							160
165				22.7	239.6	28,400	31.2	256.4	26,200	41.7	273.3	22,500	50.2	282.5	18,800							165
170				16.4	225.1	27,200	26.9	247.2	25,000	38.5	267.3	21,400	47.5	278.1	17,900							170
175				4.6	196.7	25,900	21.8	235.9	23,900	35.1	260.4	20,500	44.6	273.1	17,000	52.4	279.4	13,700				175
180							15.2	220.5	22,900	31.3	252.6	19,500	41.6	267.7	16,200	49.8	275.3	13,000				180
185										27.0	243.5	18,700	38.3	261.6	15,500	47.0	270.7	12,300				185
190										22.0	232.2	17,800	34.9	254.7	14,700	44.1	265.7	11,700				190
195										15.4	217.0	17,000	31.0	246.9	14,100	41.0	260.2	11,100				195
200													26.7	237.6	13,400	37.8	254.0	10,500	46.2	261.6	7,800	200
205													21.6	226.2	12,800	34.3	247.0	10,000	43.2	256.5	7,300	205
210													14.9	210.5	12,100	30.4	238.9	9,500	40.1	250.7	6,900	210
215																26.0	229.4	9,000	36.8	244.3	6,400	215
220																20.7	217.5	8,500	33.2	237.0	6,000	220
225																13.5	200.7	8,000	29.2	228.6	5,600	225
230																			24.6	218.5	5,200	230
235																			18.9	205.6	4,900	235
240																			10.6	185.9	4,500	240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.0	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	64,400																90
95	60.4	318.5	57,000*	67.1	324.4	60,000																95
100	58.2	315.4	53,500*	65.0	322.2	56,100																100
105	55.9	312.1	50,200*	62.8	319.7	52,500	66.7	322.3	48,700													105
110	53.5	308.5	47,000*	60.6	316.9	49,400	64.6	320.0	45,800													110
115	51.1	304.6	43,900*	58.4	313.9	46,500	62.5	317.5	43,100													115
120	48.6	300.3	41,000*	56.1	310.6	43,900	60.3	314.7	40,600													120
125	46.0	295.6	38,300*	53.8	307.1	41,600	58.1	311.7	38,400													125
130	43.2	290.4	35,800*	51.4	303.2	39,400	55.8	308.3	36,400	62.5	313.6	31,400										130
135	40.3	284.8	33,500*	48.9	298.9	37,400	53.4	304.7	34,500	60.3	310.8	29,800										135
140	37.3	278.4	31,300*	46.3	294.3	35,500	51.0	300.8	32,800	58.1	307.8	28,200										140
145	33.9	271.3	29,300*	43.5	289.2	33,800	48.5	296.5	31,200	55.8	304.4	26,800										145
150	30.3	263.2	27,500*	40.6	283.5	32,200	45.8	291.7	29,700	53.5	300.8	25,500										150
155	26.2	253.7	25,800*	37.6	277.3	30,700	43.1	286.6	28,300	51.0	296.9	24,200	58.0	302.3	20,200							155
160	21.4	242.1	24,300*	34.3	270.3	29,400	40.2	280.8	27,000	48.5	292.6	23,100	55.7	299.0	19,200							160
165	15.1	226.4	23,000*	30.7	262.2	28,100	37.1	274.5	25,800	45.9	287.9	22,000	53.3	295.3	18,300							165
170				26.6	252.9	26,800	33.7	267.3	24,600	43.1	282.7	21,000	50.9	291.4	17,400							170
175				21.9	241.6	25,700	30.1	259.1	23,500	40.2	277.0	20,000	48.4	287.0	16,500							175
180				15.8	226.5	24,500	26.0	249.5	22,500	37.2	270.6	19,100	45.7	282.3	15,700	52.9	288.2	12,400				180
185				4.4	197.1	23,400	21.1	237.8	21,500	33.8	263.5	18,200	43.0	277.1	15,000	50.5	284.1	11,800				185
190							14.7	221.8	20,600	30.2	255.3	17,400	40.1	271.4	14,300	47.9	279.8	11,200				190
195										26.0	245.8	16,700	37.0	265.0	13,600	45.3	274.9	10,600				195
200										21.2	234.1	15,900	33.6	257.8	12,900	42.5	269.7	10,000				200
205										14.8	218.2	15,200	29.9	249.5	12,300	39.6	263.8	9,500	47.2	270.7	6,800	205
210													25.8	239.9	11,700	36.4	257.3	9,000	44.5	265.7	6,300	210
215													20.9	228.0	11,200	33.1	250.0	8,500	41.7	260.3	5,900	215
220													14.4	211.8	10,600	29.3	241.5	8,000	38.7	254.3	5,500	220
225																25.1	231.6	7,600	35.5	247.5	5,100	225
230																20.0	219.2	7,100	32.0	239.9	4,800	230
235																13.0	201.8	6,700	28.2	231.1	4,400	235
240																			23.7	220.6	4,100	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 IN
THE SCOPE OF ANSI B30.5

M-250

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			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.9	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	63,900																90
95	62.4	329.9	54,900*	68.6	335.3	59,500																95
100	60.4	327.1	51,900*	66.6	333.2	55,500																100
105	58.3	324.1	48,900*	64.7	330.9	52,000																105
110	56.2	320.8	46,000*	62.7	328.3	48,900	66.3	331.1	45,200													110
115	54.0	317.3	43,200*	60.6	325.6	46,000	64.3	328.7	42,500													115
120	51.7	313.4	40,500*	58.5	322.6	43,400	62.3	326.2	40,100													120
125	49.4	309.2	38,000*	56.4	319.3	41,100	60.3	323.4	37,900													125
130	46.9	304.7	35,600*	54.2	315.8	38,900	58.2	320.3	35,900													130
135	44.4	299.7	33,300*	51.9	312.0	36,900	56.0	317.0	34,000	62.4	322.2	29,200										135
140	41.8	294.3	31,300*	49.6	307.8	35,100	53.8	313.5	32,300	60.3	319.5	27,600										140
145	39.0	288.3	29,300*	47.2	303.3	33,400	51.6	309.6	30,700	58.2	316.4	26,200										145
150	36.0	281.7	27,500*	44.7	298.4	31,800	49.2	305.4	29,200	56.1	313.1	24,900										150
155	32.8	274.3	25,800*	42.1	293.0	30,300	46.8	300.8	27,800	53.9	309.6	23,700										155
160	29.3	265.8	24,300*	39.3	287.1	28,900	44.3	295.8	26,500	51.6	305.7	22,500										160
165	25.3	255.9	22,900*	36.3	280.6	27,600	41.6	290.4	25,300	49.3	301.5	21,400	56.0	307.7	17,600							165
170	20.7	243.9	21,600*	33.2	273.2	26,400	38.8	284.4	24,200	46.9	297.0	20,400	53.8	304.1	16,800							170
175	14.6	227.7	20,400*	29.7	264.9	25,300	35.9	277.7	23,100	44.3	292.0	19,500	51.5	300.2	15,900							175
180				25.8	255.2	24,200	32.6	270.2	22,100	41.7	286.5	18,600	49.2	296.0	15,100							180
185				21.2	243.4	23,100	29.1	261.7	21,100	38.9	280.5	17,700	46.7	291.4	14,400							185
190				15.3	227.8	22,100	25.1	251.8	20,200	35.9	273.9	16,900	44.2	286.4	13,700	51.1	293.0	10,500				190
195				4.3	197.4	21,100*	20.4	239.5	19,300	32.7	266.4	16,200	41.5	280.9	13,000	48.8	288.7	10,000				195
200							14.2	223.0	18,500	29.2	257.9	15,400	38.7	274.9	12,400	46.3	284.1	9,400				200
205										25.2	248.0	14,700	35.7	268.2	11,800	43.8	279.0	8,900				205
210										20.5	235.9	14,100	32.5	260.7	11,200	41.1	273.4	8,400				210
215										14.3	219.5	13,400	29.0	252.1	10,700	38.3	267.3	7,900	45.6	274.9	5,300	215
220													24.9	242.1	10,100	35.2	260.5	7,500	43.0	269.7	4,900	220
225													20.2	229.8	9,600	32.0	252.8	7,000	40.3	264.0	4,500	225
230													13.9	213.0	9,100	28.3	244.1	6,600	37.4	257.7	4,200	230
235																24.2	233.7	6,200				235
240																19.3	220.9	5,800				240
245																12.6	202.9	5,400				245

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.0	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	59,200													95
100	62.3	338.6	50,100*	68.1	344.0	55,200													100
105	60.4	335.8	47,500*	66.2	341.9	51,700													105
110	58.4	332.8	44,900*	64.4	339.5	48,600	67.8	342.0	44,900										110
115	56.4	329.5	42,400*	62.5	337.0	45,700	66.0	339.8	42,200										115
120	54.3	326.0	39,900*	60.6	334.2	43,200	64.1	337.4	39,800										120
125	52.2	322.2	37,600*	58.6	331.2	40,800	62.2	334.8	37,600										125
130	50.0	318.1	35,300*	56.6	328.0	38,600	60.3	332.0	35,600										130
135	47.8	313.7	33,200*	54.5	324.5	36,600	58.3	329.0	33,700										135
140	45.5	308.9	31,200*	52.4	320.8	34,800	56.3	325.7	32,000	62.2	330.9	27,300							140
145	43.0	303.7	29,300*	50.3	316.7	33,100	54.2	322.2	30,400	60.3	328.1	25,900							145
150	40.5	298.0	27,500*	48.0	312.3	31,500	52.1	318.4	28,900	58.3	325.1	24,600							150
155	37.8	291.7	25,900*	45.7	307.6	30,100	49.9	314.3	27,500	56.3	321.8	23,400							155
160	34.9	284.8	24,400*	43.3	302.4	28,700	47.7	309.9	26,200	54.3	318.3	22,200							160
165	31.8	277.1	23,000*	40.7	296.8	27,400	45.3	305.0	25,000	52.2	314.5	21,200							165
170	28.4	268.3	21,600*	38.1	290.6	26,200	42.9	299.8	23,900	50.0	310.4	20,200	56.2	316.3	16,500				170
175	24.5	258.1	20,400*	35.2	283.8	25,000	40.3	294.1	22,800	47.7	306.0	19,200	54.1	312.8	15,700				175
180	20.0	245.6	19,300*	32.1	276.1	24,000	37.6	287.8	21,800	45.4	301.2	18,300	52.0	309.0	14,900				180
185	14.1	228.9	18,300*	28.8	267.5	22,900	34.7	280.9	20,900	42.9	295.9	17,500	49.8	304.9	14,100				185
190				25.0	257.4	22,000	31.6	273.1	20,000	40.4	290.2	16,700	47.6	300.4	13,400				190
195				20.5	245.2	21,100	28.2	264.2	19,100	37.7	284.0	15,900	45.2	295.6	12,800	51.7	301.8	9,700	195
200				14.8	229.1	20,200	24.3	253.9	18,300	34.8	277.0	15,200	42.8	290.3	12,100	49.5	297.6	9,200	200
205				4.1	197.7	18,700*	19.7	241.3	17,500	31.7	269.3	14,500	40.2	284.6	11,500	47.2	293.1	8,600	205
210							13.7	224.2	16,800	28.3	260.5	13,900	37.5	278.3	11,000	44.9	288.2	8,100	210
215										24.4	250.2	13,200	34.6	271.3	10,400	42.4	282.9	7,700	215
220										19.9	237.6	12,600	31.5	263.5	9,900	39.8	277.1	7,200	220
225										13.9	220.7	12,000	28.1	254.6	9,400	37.1	270.7	6,800	225
230													24.2	244.2	8,900	34.1	263.6	6,400	230
235													19.6	231.5	8,400	31.0	255.6	6,000	235
240													13.5	214.1	8,000	27.5	246.5	5,600	240
245																23.5	235.8	5,200	245
250																18.7	222.5	4,800	250
255																12.2	203.9	4,500	255

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.9	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	54,700													100
105	62.2	347.2	45,700*	67.6	352.8	51,200													105
110	60.3	344.4	43,500*	65.9	350.6	48,100													110
115	58.5	341.4	41,200*	64.1	348.2	45,300	67.4	350.7	41,700										115
120	56.6	338.2	39,000*	62.4	345.7	42,700	65.6	348.5	39,300										120
125	54.7	334.7	36,900*	60.5	342.9	40,300	63.9	346.1	37,100										125
130	52.7	331.0	34,800*	58.7	339.9	38,200	62.1	343.5	35,000										130
135	50.6	327.0	32,800*	56.8	336.7	36,200	60.2	340.7	33,200										135
140	48.5	322.7	30,900*	54.9	333.3	34,300	58.4	337.7	31,500										140
145	46.4	318.0	29,100*	52.9	329.6	32,600	56.5	334.4	29,900	62.1	339.6	25,300							145
150	44.1	313.0	27,400*	50.8	325.6	31,100	54.6	330.9	28,400	60.3	336.8	24,000							150
155	41.7	307.5	25,800*	48.7	321.3	29,600	52.6	327.2	27,000	58.4	333.8	22,800							155
160	39.3	301.6	24,300*	46.6	316.7	28,200	50.5	323.2	25,800	56.5	330.5	21,700							160
165	36.7	295.1	23,000*	44.3	311.7	26,900	48.4	318.8	24,600	54.6	327.0	20,600							165
170	33.9	287.9	21,600*	42.0	306.3	25,700	46.2	314.2	23,400	52.6	323.3	19,600							170
175	30.9	279.9	20,400*	39.5	300.4	24,600	44.0	309.1	22,400	50.6	319.3	18,700	56.4	325.0	15,100				175
180	27.6	270.8	19,300*	36.9	293.9	23,500	41.6	303.6	21,400	48.5	314.9	17,800	54.5	321.5	14,300				180
185	23.8	260.2	18,300*	34.2	286.8	22,500	39.1	297.7	20,400	46.3	310.3	17,000	52.5	317.8	13,500				185
190	19.4	247.3	17,300*	31.2	278.9	21,600	36.5	291.1	19,500	44.0	305.2	16,200	50.4	313.7	12,900				190
195	13.7	230.1	16,400*	27.9	269.9	20,700	33.7	283.9	18,700	41.7	299.8	15,400	48.3	309.4	12,200				195
200				24.2	259.5	19,800	30.7	275.8	17,900	39.2	293.8	14,700	46.2	304.7	11,600	52.2	310.6	8,500	200
205				19.9	247.0	19,000	27.4	266.7	17,100	36.6	287.3	14,000	43.9	299.6	11,000	50.1	306.5	8,000	205
210				14.4	230.4	18,200	23.6	256.0	16,400	33.8	280.1	13,400	41.5	294.1	10,400	48.0	302.1	7,500	210
215				4.0	198.0	16,400*	19.2	242.9	15,700	30.8	272.0	12,800	39.0	288.2	9,900	45.8	297.4	7,100	215
220							13.3	225.3	15,000	27.5	262.9	12,200	36.4	281.6	9,400	43.5	292.2	6,600	220
225										23.7	252.3	11,600	33.6	274.3	8,900	41.1	286.7	6,200	225
230										19.3	239.3	11,000	30.6	266.2	8,400	38.6	280.6	5,800	230
235										13.5	221.8	10,500	27.2	257.0	8,000	36.0	273.9	5,400	235
240													23.5	246.3	7,500	33.1	266.6	5,000	240
245													19.0	233.1	7,100	30.1	258.3	4,700	245
250													13.1	215.3	6,600	26.7	248.9	4,300	250
255																22.8	237.8	4,000	255

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	
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	54,300													100
105	63.8	358.5	44,100*	68.9	363.6	50,800													105
110	62.1	355.9	42,200*	67.3	361.5	47,600													110
115	60.3	353.1	40,200*	65.6	359.3	44,800													115
120	58.6	350.1	38,300*	63.9	356.9	42,200	67.0	359.4	38,800										120
125	56.8	346.9	36,300*	62.2	354.3	39,900	65.3	357.2	36,600										125
130	54.9	343.4	34,400*	60.5	351.6	37,700	63.7	354.8	34,600										130
135	53.1	339.8	32,600*	58.8	348.6	35,700	62.0	352.2	32,700										135
140	51.2	335.8	30,800*	57.0	345.4	33,900	60.2	349.3	31,000										140
145	49.2	331.6	29,100*	55.1	342.0	32,200	58.5	346.3	29,400										145
150	47.1	327.1	27,500*	53.3	338.3	30,700	56.7	343.1	28,000	62.0	348.2	23,600							150
155	45.0	322.2	26,000*	51.4	334.4	29,200	54.9	339.7	26,600	60.3	345.4	22,300							155
160	42.9	316.9	24,500*	49.4	330.2	27,800	53.0	336.0	25,300	58.5	342.4	21,200							160
165	40.6	311.2	23,200*	47.4	325.7	26,500	51.1	332.0	24,100	56.7	339.2	20,100							165
170	38.2	305.1	21,900*	45.3	320.9	25,300	49.1	327.8	23,000	54.9	335.8	19,200							170
175	35.6	298.3	20,700*	43.1	315.6	24,200	47.0	323.2	21,900	53.0	332.1	18,200							175
180	32.9	290.9	19,500*	40.8	310.0	23,100	44.9	318.3	21,000	51.1	328.1	17,300	56.6	333.7	13,800				180
185	30.0	282.6	18,500*	38.4	303.9	22,100	42.7	313.0	20,000	49.1	323.9	16,500	54.8	330.3	13,100				185
190	26.8	273.2	17,500*	35.9	297.2	21,200	40.4	307.3	19,100	47.1	319.3	15,700	52.9	326.6	12,400				190
195	23.2	262.2	16,600*	33.2	289.8	20,300	38.0	301.1	18,300	45.0	314.4	15,000	51.0	322.6	11,700				195
200	18.9	249.0	15,700*	30.3	281.6	19,400	35.5	294.3	17,500	42.8	309.2	14,300	49.0	318.3	11,100				200
205	13.3	231.2	15,000*	27.1	272.4	18,600	32.8	286.8	16,700	40.5	303.5	13,600	47.0	313.8	10,500	52.6	319.4	7,500	205
210				23.6	261.6	17,800	29.8	278.5	16,000	38.1	297.3	13,000	44.8	308.9	10,000	50.7	315.4	7,100	210
215				19.4	248.7	17,100	26.6	269.0	15,300	35.6	290.5	12,300	42.6	303.6	9,400	48.7	311.1	6,600	215
220				14.0	231.6	16,300	23.0	258.0	14,600	32.8	283.0	11,800	40.4	297.8	8,900	46.6	306.5	6,200	220
225				3.9	198.3	14,400*	18.6	244.6	14,000	29.9	274.7	11,200	37.9	291.6	8,400	44.5	301.5	5,700	225
230							13.0	226.4	13,400	26.7	265.3	10,700	35.4	284.8	8,000	42.3	296.1	5,300	230
235										23.1	254.3	10,100	32.7	277.3	7,500	40.0	290.3	5,000	235
240										18.8	240.9	9,600	29.7	268.9	7,100	37.5	284.0	4,600	240
245										13.1	223.0	9,100	26.5	259.4	6,700	35.0	277.1	4,200	245
250													22.8	248.3	6,300				250
255													18.5	234.8	5,900				255
260													12.7	216.4	5,500				260

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	
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	50,300													105
110	63.6	367.2	40,300*	68.5	372.4	47,100													110
115	62.0	364.6	38,600*	66.9	370.3	44,300													115
120	60.3	361.8	36,900*	65.3	368.0	41,700													120
125	58.6	358.8	35,200*	63.7	365.6	39,400	66.7	368.2	36,100										125
130	56.9	355.6	33,500*	62.1	363.0	37,200	65.1	365.9	34,100										130
135	55.2	352.2	31,900*	60.5	360.2	35,300	63.5	363.4	32,200										135
140	53.4	348.5	30,200*	58.8	357.2	33,400	61.9	360.8	30,500										140
145	51.6	344.6	28,700*	57.1	354.1	31,700	60.2	358.0	28,900										145
150	49.8	340.5	27,200*	55.4	350.7	30,200	58.6	355.0	27,500										150
155	47.8	336.1	25,700*	53.6	347.1	28,700	56.9	351.8	26,100	61.9	356.9	21,800							155
160	45.9	331.3	24,300*	51.8	343.2	27,400	55.1	348.4	24,800	60.3	354.1	20,600							160
165	43.8	326.2	23,000*	50.0	339.1	26,100	53.3	344.7	23,600	58.6	351.1	19,600							165
170	41.7	320.7	21,800*	48.1	334.7	24,900	51.5	340.8	22,500	56.9	347.9	18,600							170
175	39.5	314.8	20,600*	46.1	330.0	23,800	49.7	336.7	21,500	55.2	344.5	17,700							175
180	37.2	308.4	19,500*	44.0	324.9	22,700	47.7	332.2	20,500	53.4	340.8	16,800							180
185	34.7	301.4	18,500*	41.9	319.5	21,700	45.8	327.5	19,500	51.6	336.9	16,000	56.8	342.4	12,500				185
190	32.1	293.7	17,500*	39.7	313.6	20,800	43.7	322.3	18,700	49.7	332.8	15,200	55.1	339.0	11,800				190
195	29.2	285.2	16,600*	37.4	307.3	19,900	41.6	316.8	17,800	47.8	328.3	14,400	53.3	335.3	11,100				195
200	26.1	275.5	15,700*	35.0	300.3	19,000	39.4	310.9	17,000	45.8	323.6	13,700	51.5	331.4	10,500				200
205	22.6	264.2	14,900*	32.3	292.7	18,200	37.0	304.5	16,300	43.8	318.5	13,100	49.6	327.2	10,000				205
210	18.4	250.6	14,100*	29.5	284.3	17,400	34.6	297.4	15,500	41.6	313.0	12,400	47.7	322.8	9,400	53.0	328.2	6,400	210
215	13.0	232.3	13,500*	26.4	274.7	16,700	31.9	289.7	14,900	39.4	307.1	11,800	45.7	318.0	8,900	51.2	324.2	6,000	215
220				23.0	263.6	16,000	29.1	281.1	14,200	37.1	300.6	11,300	43.6	312.9	8,400	49.3	320.0	5,600	220
225				18.9	250.3	15,300	25.9	271.3	13,600	34.6	293.6	10,700	41.5	307.4	7,900	47.4	315.5	5,200	225
230				13.7	232.8	14,600	22.4	260.0	13,000	32.0	285.9	10,200	39.3	301.4	7,400	45.4	310.7	4,800	230
235				3.8	198.6	12,400*	18.2	246.2	12,400	29.1	277.3	9,700	36.9	295.0	7,000	43.3	305.5	4,400	235
240							12.6	227.5	11,800	26.0	267.6	9,200	34.5	287.9	6,600	41.2	299.9	4,000	240
245										22.5	256.3	8,700	31.8	280.1	6,200				245
250										18.3	242.5	8,200	29.0	271.5	5,800				250
255										12.8	224.1	7,800	25.8	261.7	5,400				255
260													22.2	250.3	5,000				260
265													18.0	236.3	4,600				265
270													12.4	217.4	4,300				270

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	61.2	259.4	104,600*																			55
60	56.4	256.2	99,200*																			60
65	51.2	252.4	94,300*																			65
70	45.7	247.8	89,900*	62.5	258.2	92,800b																70
75	39.5	242.2	85,900*	57.8	255.2	85,000b																75
80	32.4	235.0	81,500*	52.7	251.6	78,300b	62.3	256.3	73,300b													80
85	23.3	225.1	74,200*	47.3	247.3	72,500	57.5	253.2	67,800b													85
90	5.2	203.8	66,600*	41.3	242.0	67,400	52.4	249.6	63,100b													90
95				34.5	235.3	62,900	47.0	245.2	58,900													95
100				26.1	226.4	58,800	41.0	239.8	55,100	58.4	249.7	48,800b										100
105				13.2	211.5	55,100	34.1	233.1	51,700	53.4	246.2	45,800b										105
110							25.6	223.9	48,700	48.1	241.9	43,100										110
115							12.1	208.4	45,800	42.2	236.8	40,700										115
120										35.5	230.3	38,400	54.0	241.0	33,500b							120
125										27.4	221.8	36,300	48.7	236.9	31,700							125
130										15.7	208.4	34,400	42.8	231.8	30,000							130
135													36.3	225.6	28,400							135
140													28.4	217.3	27,000	48.7	230.0	23,000				140
145													17.3	204.8	25,600	42.8	225.0	21,800				145
150																36.3	218.7	20,700				150
155																28.4	210.4	19,700	47.9	221.2	16,200	155
160																17.3	197.9	18,700	42.0	216.0	15,400	160
165																			35.3	209.6	14,700	165
170																			27.2	201.0	13,900	170
175																			15.3	187.3	13,100	175

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	65.1	270.7	101,500*																			55
60	61.1	268.0	96,300*																			60
65	56.9	264.9	91,600*																			65
70	52.4	261.2	87,300*	66.2	269.4	92,300b																70
75	47.7	256.9	83,400*	62.2	266.9	84,500b																75
80	42.5	251.8	79,800*	58.0	263.9	77,800b	66.0	267.5	72,700b													80
85	36.8	245.5	73,000*	53.7	260.4	72,000	62.0	264.9	67,300b													85
90	30.2	237.7	66,700*	49.0	256.3	66,900	57.8	261.9	62,500b													90
95	21.7	227.0	61,000*	44.0	251.4	62,500	53.4	258.4	58,300													95
100	4.8	204.1	56,400*	38.5	245.5	58,500	48.8	254.2	54,600	62.8	261.3	48,100b										100
105				32.1	238.2	54,900	43.7	249.3	51,300	58.6	258.4	45,200b										105
110				24.3	228.5	51,600	38.2	243.3	48,200	54.3	254.9	42,500										110
115				12.3	212.5	48,600	31.8	235.9	45,500	49.7	250.9	40,100										115
120							23.8	226.0	43,000	44.7	246.1	37,900										120
125							11.3	209.3	40,600	39.3	240.4	35,800	54.8	249.8	31,000							125
130										33.1	233.3	34,000	50.2	245.8	29,300							130
135										25.5	224.1	32,200	45.3	241.1	27,800							135
140										14.6	209.7	30,500	39.9	235.5	26,400							140
145													33.8	228.6	25,100	50.2	238.9	21,100				145
150													26.4	219.7	23,800	45.3	234.2	20,100				150
155													16.2	206.2	22,600	39.9	228.6	19,100				155
160																33.8	221.7	18,100				160
165																26.4	212.8	17,200	44.6	225.4	13,900	165
170																16.1	199.3	16,300	39.1	219.6	13,200	170
175																			32.9	212.5	12,600	175
180																			25.3	203.2	11,900	180
185																			14.2	188.5	11,200	185

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	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	91,800b																70
75	53.3	270.0	81,300*	65.5	278.1	84,000b																75
80	49.2	265.9	77,800*	62.0	275.6	77,400b																80
85	44.8	261.1	72,200*	58.3	272.6	71,600	65.4	276.2	66,800b													85
90	39.9	255.4	66,000*	54.4	269.2	66,600	61.8	273.6	62,100b													90
95	34.6	248.7	60,500*	50.3	265.2	62,100	58.1	270.6	57,900													95
100	28.3	240.2	55,500*	46.0	260.6	58,100	54.2	267.1	54,200													100
105	20.4	228.7	51,100*	41.3	255.2	54,600	50.1	263.1	50,900	62.5	269.9	44,700b										105
110	4.5	204.4	47,400*	36.1	248.8	51,400	45.8	258.5	47,900	58.8	267.0	42,000										110
115				30.2	240.9	48,500	41.1	253.1	45,200	55.0	263.7	39,600										115
120				22.9	230.5	45,800	35.9	246.6	42,700	50.9	259.8	37,400										120
125				11.5	213.5	43,300	29.8	238.6	40,400	46.6	255.3	35,400										125
130							22.4	228.0	38,300	42.0	250.0	33,600	55.4	258.5	28,800							130
135							10.6	210.2	36,300	36.9	243.7	31,900	51.4	254.7	27,400							135
140										31.1	236.1	30,300	47.1	250.2	26,000							140
145										24.0	226.2	28,800	42.5	245.1	24,700							145
150										13.7	210.8	27,400	37.5	238.9	23,500	51.4	247.8	19,600				150
155													31.8	231.5	22,300	47.1	243.4	18,600				155
160													24.9	221.9	21,300	42.5	238.2	17,700				160
165													15.2	207.5	20,200	37.5	232.0	16,800				165
170																31.8	224.6	16,000	46.5	234.6	12,800	170
175																24.9	215.0	15,200	41.9	229.3	12,100	175
180																15.2	200.6	14,400	36.8	223.0	11,500	180
185																			30.9	215.3	10,900	185
190																			23.8	205.3	10,300	190
195																			13.4	189.7	9,700	195

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			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	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	83,500b																75
80	54.0	278.8	75,600*	65.0	286.8	76,800																80
85	50.3	274.8	71,000*	61.8	284.2	71,100	68.0	287.1	66,200b													85
90	46.5	270.2	65,200*	58.4	281.3	66,000	64.8	284.9	61,400													90
95	42.3	265.0	59,900*	55.0	277.9	61,600	61.6	282.2	57,300													95
100	37.8	258.9	55,100*	51.4	274.0	57,700	58.3	279.3	53,600													100
105	32.7	251.6	50,700*	47.6	269.7	54,100	54.8	275.9	50,300													105
110	26.8	242.6	46,800*	43.5	264.6	51,000	51.2	272.0	47,300	62.2	278.6	41,300										110
115	19.3	230.4	43,300*	39.1	258.8	48,100	47.3	267.6	44,600	58.9	275.7	39,000										115
120	4.2	204.7	40,400*	34.2	251.9	45,400	43.3	262.5	42,200	55.5	272.4	36,800										120
125				28.6	243.4	43,000	38.8	256.6	40,000	51.9	268.6	34,800										125
130				21.6	232.4	40,800	33.9	249.6	37,900	48.1	264.3	33,000										130
135				10.9	214.4	38,700	28.2	241.1	36,000	44.1	259.4	31,300	55.9	267.2	26,600							135
140							21.2	229.8	34,200	39.7	253.6	29,700	52.3	263.5	25,300							140
145							10.0	211.0	32,400	34.9	246.9	28,300	48.5	259.2	24,000							145
150										29.4	238.7	26,900	44.5	254.4	22,800							150
155										22.7	228.2	25,600	40.2	248.8	21,700	52.3	256.6	17,900				155
160										13.0	211.9	24,400	35.5	242.1	20,700	48.5	252.4	17,000				160
165													30.1	234.1	19,700	44.5	247.5	16,100				165
170													23.5	223.9	18,800	40.2	241.9	15,400				170
175													14.3	208.7	17,800	35.5	235.3	14,600				175
180																30.1	227.3	13,900	48.0	243.6	11,400	180
185																23.5	217.0	13,200	39.6	232.9	10,200	185
190																14.3	201.8	12,500	34.8	226.1	9,600	190
195																			29.3	217.9	9,100	195
200																			22.5	207.3	8,600	200
205																			12.6	190.7	8,100	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

**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			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	72.2	303.0	92,600*																			55
60	69.4	301.2	88,300*																			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	82,900b																75
80	57.7	291.0	73,800*	67.4	297.8	76,300																80
85	54.6	287.5	69,600*	64.5	295.5	70,600																85
90	51.3	283.6	64,300*	61.6	292.9	65,500	67.3	295.9	60,900													90
95	47.8	279.3	59,300*	58.6	289.9	61,100	64.4	293.5	56,800													95
100	44.2	274.3	54,700*	55.5	286.6	57,200	61.5	290.9	53,100													100
105	40.2	268.7	50,500*	52.2	282.9	53,700	58.4	287.9	49,800													105
110	35.9	262.1	46,600*	48.8	278.6	50,500	55.3	284.6	46,800													110
115	31.1	254.4	43,200*	45.2	273.9	47,600	52.0	280.8	44,200	62.0	287.3	38,400										115
120	25.5	244.9	40,100*	41.3	268.4	45,000	48.6	276.6	41,700	59.0	284.4	36,300										120
125	18.3	232.0	37,300*	37.2	262.2	42,700	45.0	271.8	39,500	55.9	281.1	34,300										125
130	4.0	205.0	35,000*	32.5	254.8	40,500	41.1	266.3	37,500	52.7	277.4	32,500										130
135				27.2	245.8	38,400	36.9	260.0	35,600	49.3	273.3	30,800										135
140				20.6	234.2	36,500	32.3	252.5	33,800	45.7	268.6	29,300	56.2	275.9	24,700							140
145				10.4	215.3	34,700	26.9	243.5	32,200	41.9	263.2	27,800	53.0	272.3	23,500							145
150							20.2	231.6	30,600	37.8	257.1	26,500	49.7	268.2	22,300							150
155							9.5	211.8	29,100	33.2	249.9	25,200	46.1	263.6	21,200							155
160										28.0	241.2	24,000	42.3	258.3	20,200	53.0	265.4	16,400				160
165										21.6	230.0	22,900	38.2	252.2	19,200	49.6	261.3	15,600				165
170										12.3	212.9	21,800	33.7	245.2	18,300	46.1	256.7	14,800				170
175													28.6	236.7	17,500	42.3	251.4	14,100				175
180													22.4	225.9	16,600	38.2	245.4	13,400				180
185													13.6	209.9	15,800	33.7	238.3	12,700	45.6	247.8	9,700	185
190																28.6	229.8	12,100	41.8	242.5	9,100	190
195																22.4	219.0	11,500	37.7	236.3	8,600	195
200																13.6	203.0	10,900	33.1	229.1	8,100	200
205																			27.8	220.4	7,700	205
210																			21.4	209.1	7,200	210
215																			12.0	191.7	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 IN
THE SCOPE OF ANSI B30.5

M-250

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			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	73.7	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	75,800																80
85	57.9	299.6	68,100*	66.8	306.5	70,000																85
90	55.0	296.2	63,500*	64.2	304.2	65,000																90
95	52.0	292.5	58,900*	61.5	301.6	60,600	66.7	304.6	56,200													95
100	48.9	288.3	54,500*	58.7	298.6	56,700	64.0	302.2	52,500													100
105	45.6	283.5	50,500*	55.8	295.3	53,200	61.3	299.6	49,200													105
110	42.2	278.2	46,700*	52.9	291.6	50,000	58.6	296.6	46,300													110
115	38.4	272.2	43,300*	49.8	287.6	47,200	55.7	293.3	43,600													115
120	34.3	265.2	40,200*	46.6	283.0	44,600	52.7	289.6	41,200	61.9	295.9	35,600										120
125	29.7	257.1	37,300*	43.1	277.9	42,200	49.6	285.5	39,000	59.1	293.0	33,700										125
130	24.4	247.0	34,800*	39.5	272.0	40,000	46.4	280.9	37,000	56.3	289.8	31,900										130
135	17.5	233.5	32,500*	35.5	265.4	38,000	43.0	275.7	35,100	53.3	286.2	30,200										135
140	3.8	205.2	30,600*	31.1	257.6	36,200	39.3	269.9	33,300	50.2	282.2	28,700										140
145				26.0	248.1	34,400	35.3	263.2	31,700	47.0	277.7	27,300	56.6	284.6	22,800							145
150				19.7	235.9	32,800	30.8	255.3	30,200	43.6	272.6	25,900	53.6	281.0	21,700							150
155				9.9	216.1	31,200	25.7	245.7	28,800	40.0	266.9	24,700	50.6	277.1	20,600							155
160							19.3	233.3	27,500	36.1	260.4	23,500	47.4	272.6	19,600							160
165							9.1	212.5	26,200	31.7	252.7	22,400	44.0	267.6	18,700							165
170										26.7	243.6	21,400	40.4	262.0	17,800	50.6	270.2	14,200				170
175										20.7	231.9	20,400	36.5	255.6	16,900	47.4	265.7	13,500				175
180										11.8	213.9	19,400	32.2	248.1	16,100	44.0	260.7	12,800				180
185													27.3	239.1	15,400	40.4	255.1	12,100				185
190													21.4	227.8	14,600	36.5	248.7	11,500	46.9	256.9	8,500	190
195													13.0	211.0	13,900	32.2	241.2	10,900	43.5	251.9	8,000	195
200																27.3	232.2	10,400	39.9	246.2	7,500	200
205																21.4	220.9	9,800	36.0	239.6	7,000	205
210																13.0	204.1	9,200	31.6	232.0	6,600	210
215																			26.6	222.7	6,200	215
220																			20.5	210.9	5,800	220
225																			11.5	192.7	5,300	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 IN
THE SCOPE OF ANSI B30.5

M-250

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			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.0	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	69,700																85
90	58.1	308.3	62,000*	66.3	315.2	64,700																90
95	55.4	305.0	57,800*	63.9	312.9	60,300																95
100	52.7	301.3	53,800*	61.4	310.2	56,400	66.2	313.3	52,200													100
105	49.8	297.2	50,000*	58.8	307.3	52,900	63.7	310.9	49,000													105
110	46.9	292.6	46,400*	56.2	304.0	49,800	61.2	308.2	46,000													110
115	43.7	287.6	43,100*	53.5	300.4	47,000	58.7	305.3	43,400													115
120	40.4	281.9	40,100*	50.6	296.4	44,400	56.0	302.0	41,000													120
125	36.8	275.5	37,300*	47.7	292.0	42,000	53.3	298.4	38,800	61.7	304.6	33,400										125
130	32.9	268.2	34,800*	44.6	287.1	39,800	50.5	294.4	36,700	59.2	301.7	31,600										130
135	28.5	259.6	32,400*	41.4	281.7	37,800	47.5	289.9	34,900	56.5	298.5	30,000										135
140	23.4	249.1	30,300*	37.9	275.5	36,000	44.5	285.0	33,200	53.8	294.9	28,400										140
145	16.8	235.0	28,500*	34.0	268.4	34,300	41.2	279.5	31,600	51.0	291.0	27,000										145
150	3.6	205.5	26,900*	29.8	260.2	32,700	37.7	273.3	30,100	48.1	286.7	25,700	56.8	293.3	21,400							150
155				24.9	250.3	31,200	33.8	266.2	28,700	45.1	281.8	24,500	54.1	289.8	20,400							155
160				18.9	237.5	29,800	29.6	257.9	27,400	41.8	276.5	23,300	51.3	285.9	19,400							160
165				9.5	216.9	28,400	24.6	247.9	26,100	38.4	270.4	22,300	48.4	281.6	18,400							165
170							18.5	234.9	25,000	34.6	263.5	21,300	45.4	276.8	17,500							170
175							8.7	213.3	23,800	30.4	255.5	20,300	42.2	271.5	16,700	51.3	279.0	13,200				175
180										25.7	245.9	19,400	38.7	265.5	15,900	48.4	274.7	12,500				180
185										19.8	233.6	18,500	35.0	258.7	15,200	45.4	270.0	11,900				185
190										11.3	214.9	17,600	30.9	250.9	14,500	42.2	264.6	11,300				190
195													26.2	241.4	13,800	38.7	258.7	10,700				195
200													20.5	229.5	13,100	35.0	251.8	10,200	45.0	261.1	7,300	200
205													12.5	212.0	12,500	30.9	244.0	9,600	41.7	255.7	6,800	205
210																26.2	234.6	9,100	38.3	249.6	6,400	210
215																20.5	222.7	8,600	34.5	242.7	6,000	215
220																12.5	205.1	8,100	30.3	234.7	5,600	220
225																			25.5	225.0	5,200	225
230																			19.6	212.6	4,900	230
235																			11.0	193.6	4,500	235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.0	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	69,200																85
90	60.6	320.0	60,000*	68.1	326.1	64,200																90
95	58.2	317.0	56,300*	65.9	324.0	59,800																95
100	55.8	313.7	52,700*	63.6	321.5	55,900	68.0	324.2	51,700													100
105	53.2	310.0	49,200*	61.3	318.9	52,400	65.7	322.0	48,400													105
110	50.6	306.0	45,900*	58.9	315.9	49,300	63.5	319.6	45,500													110
115	47.9	301.6	42,800*	56.5	312.7	46,500	61.1	316.9	42,800													115
120	45.0	296.8	39,900*	53.9	309.2	43,900	58.8	313.9	40,400													120
125	42.0	291.5	37,200*	51.4	305.3	41,500	56.3	310.7	38,200													125
130	38.9	285.5	34,700*	48.7	301.0	39,400	53.8	307.1	36,200	61.6	313.3	31,000										130
135	35.4	278.7	32,400*	45.9	296.3	37,400	51.2	303.2	34,400	59.2	310.4	29,400										135
140	31.7	271.1	30,300*	42.9	291.1	35,600	48.5	298.9	32,600	56.8	307.2	27,800										140
145	27.5	262.0	28,300*	39.8	285.3	33,900	45.7	294.2	31,100	54.3	303.7	26,400										145
150	22.5	251.1	26,600*	36.4	278.8	32,300	42.7	289.0	29,600	51.7	299.8	25,100										150
155	16.2	236.4	25,000*	32.8	271.4	30,800	39.6	283.1	28,200	49.0	295.6	23,900	57.1	302.0	19,700							155
160	3.4	205.8	23,700*	28.7	262.8	29,400	36.2	276.6	26,900	46.3	291.0	22,800	54.6	298.5	18,700							160
165				24.0	252.5	28,100	32.5	269.1	25,700	43.3	285.8	21,700	52.0	294.7	17,800							165
170				18.2	239.1	26,800	28.5	260.5	24,600	40.2	280.1	20,700	49.3	290.5	16,900							170
175				9.1	217.6	25,600	23.7	250.0	23,500	36.9	273.7	19,800	46.6	285.9	16,100							175
180							17.8	236.4	22,400	33.3	266.5	18,900	43.6	280.9	15,300	52.0	287.8	11,900				180
185							8.3	213.9	21,400	29.3	258.1	18,000	40.6	275.2	14,600	49.3	283.7	11,300				185
190										24.7	248.0	17,200	37.3	268.9	13,900	46.6	279.1	10,700				190
195										19.1	235.2	16,400	33.7	261.8	13,300	43.6	274.0	10,100				195
200										10.8	215.8	15,700	29.7	253.5	12,600	40.6	268.4	9,600				200
205													25.2	243.7	12,000	37.3	262.0	9,100	46.2	270.3	6,200	205
210													19.7	231.3	11,400	33.7	254.9	8,600	43.2	265.1	5,800	210
215													12.0	213.1	10,800	29.7	246.6	8,100	40.1	259.4	5,400	215
220																25.2	236.8	7,600	36.8	253.0	5,000	220
225																19.7	224.4	7,200	33.2	245.7	4,600	225
230																12.0	206.2	6,700	29.2	237.3	4,300	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250

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			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.1	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	63,700																90
95	60.6	328.7	54,700*	67.6	334.9	59,300																95
100	58.3	325.6	51,400*	65.5	332.7	55,400																100
105	56.1	322.4	48,200*	63.3	330.2	52,000	67.5	332.9	47,900													105
110	53.7	318.8	45,200*	61.2	327.5	48,800	65.4	330.7	45,000													110
115	51.3	314.9	42,300*	59.0	324.6	46,000	63.2	328.2	42,300													115
120	48.8	310.6	39,600*	56.7	321.4	43,400	61.1	325.6	39,900													120
125	46.2	305.9	37,000*	54.4	317.9	41,100	58.8	322.6	37,700													125
130	43.4	300.8	34,600*	52.0	314.1	38,900	56.6	319.4	35,700													130
135	40.5	295.2	32,400*	49.5	309.9	36,900	54.2	315.9	33,900	61.5	321.9	28,800										135
140	37.5	288.9	30,300*	46.9	305.4	35,100	51.8	312.0	32,200	59.3	319.0	27,300										140
145	34.2	281.8	28,400*	44.2	300.4	33,400	49.3	307.9	30,600	57.0	315.9	25,900										145
150	30.6	273.8	26,600*	41.4	294.9	31,800	46.8	303.3	29,100	54.7	312.4	24,600										150
155	26.5	264.4	25,000*	38.4	288.8	30,400	44.1	298.3	27,800	52.3	308.6	23,400										155
160	21.7	253.0	23,600*	35.1	282.0	29,000	41.2	292.7	26,500	49.8	304.5	22,300	57.3	310.7	18,200							160
165	15.6	237.7	22,200*	31.6	274.2	27,700	38.2	286.6	25,300	47.3	300.0	21,200	54.9	307.2	17,300							165
170	3.3	206.0	21,100*	27.7	265.3	26,500	34.9	279.7	24,100	44.6	295.1	20,300	52.6	303.5	16,400							170
175				23.1	254.5	25,300	31.4	272.0	23,100	41.8	289.7	19,300	50.1	299.4	15,600							175
180				17.5	240.6	24,200	27.5	262.9	22,100	38.8	283.7	18,400	47.5	295.0	14,800							180
185				8.8	218.4	23,100	22.9	252.0	21,100	35.6	277.0	17,600	44.9	290.1	14,100	52.6	296.6	10,700				185
190							17.2	237.9	20,200	32.1	269.4	16,800	42.1	284.7	13,400	50.1	292.6	10,100				190
195							8.0	214.6	19,300	28.3	260.6	16,000	39.1	278.8	12,800	47.5	288.1	9,600				195
200										23.8	250.1	15,300	35.9	272.2	12,200	44.9	283.2	9,100				200
205										18.4	236.8	14,600	32.5	264.7	11,600	42.1	277.9	8,600				205
210										10.5	216.7	13,900	28.7	256.1	11,000	39.1	271.9	8,100	47.2	279.3	5,200	210
215													24.3	245.8	10,400	35.9	265.3	7,600	44.5	274.4	4,900	215
220													19.1	232.9	9,900	32.5	257.8	7,200	41.7	268.9	4,500	220
225													11.6	214.0	9,400	28.7	249.2	6,700	38.7	262.9	4,100	225
230																24.3	238.9	6,300				230
235																19.1	226.0	5,900				235
240																11.6	207.2	5,500				240