

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

**FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

CAPACITIES FOR VARIOUS BOOM LENGTHS, BOOM ANGLES, LUFFING JIB LENGTHS, AND LUFFING JIB OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD. 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' THRU 195' 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, 207,000 LB. CRANE COUNTERWEIGHT, AND TWO 30,000 LB. CARBODY COUNTERWEIGHTS.

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

LUFFING JIB LENGTH - FEET	MAXIMUM LUFFING JIB ANGLE
70 - 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		
195	70 - 90				

CONSULT CHART NO. 7719-A FOR LIFTING OFF MAIN BOOM POINT WITH LUFFING JIB ATTACHED.

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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	120,000*b													60
65	47.4	149.4	92,200*	55.6	154.5	107,500*b	60.0	156.4	112,400*b													65
70	41.5	144.1	86,100*	50.4	150.6	101,500*	55.1	153.1	105,800*	62.4	155.5	114,100*b										70
75	34.7	137.4	81,100*	44.7	145.8	96,200*	49.9	149.1	99,900*	57.6	152.5	107,100*b										75
80	26.3	128.6	77,000*	38.5	140.0	91,600*	44.2	144.3	94,700*	52.5	148.9	99,600										80
85	13.7	114.0	72,400*	31.1	132.5	83,200*	37.8	138.3	90,100*	47.1	144.5	92,300	54.8	147.7	89,400							85
90				21.5	121.9	75,900*	30.3	130.7	82,500*	41.1	139.2	86,000	49.5	143.6	83,300							90
95							20.4	119.6	75,400*	34.2	132.4	80,300	43.8	138.7	77,800	51.6	141.7	75,400				95
100										25.7	123.4	75,300	37.4	132.7	73,000	46.1	137.2	70,700				100
105										12.5	108.0	70,700	29.8	124.8	68,700	40.0	131.7	66,500	47.9	134.6	64,400	105
110													19.5	113.4	64,700	32.9	124.6	62,700	42.0	129.4	60,800	110
115																24.0	115.0	59,300	35.3	122.9	57,400	115
120																8.2	96.4	56,000	27.2	114.4	54,400	120
125																			15.3	100.7	51,500	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	109,600*b													65
70	49.1	158.4	85,100*	56.2	163.2	98,900*	60.0	165.1	103,100*													70
75	44.1	153.5	79,900*	51.7	159.4	93,500*	55.8	161.8	97,300*	62.1	164.2	104,500*b										75
80	38.6	147.6	75,400*	46.9	155.0	88,800*	51.3	158.0	92,100*	57.9	161.2	98,400*										80
85	32.3	140.4	71,500*	41.7	149.7	83,500*	46.4	153.5	87,700*	53.5	157.7	91,900										85
90	24.5	130.7	66,900*	35.8	143.3	76,200*	41.2	148.1	82,800*	48.8	153.5	85,500	55.5	156.4	82,700							90
95	12.7	115.1	61,900*	29.0	135.1	70,000*	35.3	141.5	75,600*	43.8	148.6	79,900	50.9	152.5	77,300							95
100				20.0	123.6	64,600*	28.3	133.2	69,500*	38.3	142.7	75,000	46.1	148.0	72,500	52.7	150.6	70,100				100
105							19.0	121.2	64,100*	31.9	135.3	70,500	40.8	142.5	68,200	48.0	146.3	66,000				105
110										24.0	125.5	66,500	34.8	135.8	64,300	42.9	141.2	62,200				110
115										11.6	109.0	61,700*	27.7	127.3	60,800	37.2	135.1	58,800	44.6	138.8	56,900	115
120													18.2	115.0	57,500	30.7	127.4	55,700	39.1	133.0	53,900	120
125																22.4	116.9	52,800	32.9	125.9	51,100	125
130																7.6	97.0	50,100	25.3	116.6	48,600	130
135																			14.2	101.9	46,200	135

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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	72.5	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	107,100*b													65
70	54.5	171.2	84,900*	60.4	175.1	96,600*	63.7	176.5	100,800*													70
75	50.4	167.3	79,300*	56.6	171.9	91,400*	60.0	173.7	95,200*													75
80	46.1	162.7	74,600*	52.7	168.2	86,800*	56.3	170.5	90,100*	61.8	172.9	96,400*										80
85	41.4	157.3	70,500*	48.5	164.0	82,700*	52.3	166.8	85,600*	58.1	169.9	91,100*										85
90	36.3	150.9	67,000*	44.0	159.1	76,400*	48.1	162.5	81,500*	54.3	166.4	85,200										90
95	30.4	143.1	62,000*	39.1	153.3	70,100*	43.6	157.5	75,800*	50.2	162.4	79,600	56.0	165.1	76,900							95
100	23.1	132.8	57,600*	33.7	146.3	64,700*	38.7	151.7	69,600*	45.8	157.8	74,600	52.0	161.4	72,100							100
105	12.0	116.1	53,600*	27.2	137.5	60,000*	33.1	144.5	64,300*	41.1	152.4	70,200	47.8	157.0	67,900							105
110				18.8	125.2	55,700*	26.6	135.5	59,600*	35.9	145.9	66,200	43.3	152.0	64,000	49.5	155.2	61,800				110
115							17.8	122.8	55,400*	30.0	138.0	61,800*	38.3	146.0	60,500	45.1	150.5	58,500				115
120										22.5	127.4	57,400*	32.7	138.8	57,300	40.3	144.9	55,400	46.5	148.0	53,500	120
125										10.9	109.9	53,500*	26.1	129.6	54,400	35.0	138.2	52,600	41.9	142.7	50,800	125
130													17.1	116.4	51,700	28.8	129.9	50,000	36.8	136.4	48,300	130
135																21.0	118.8	47,600	30.9	128.7	46,000	135
140																7.1	97.5	45,200	23.8	118.7	43,800	140
145																			13.4	103.1	41,700	145

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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.3	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	98,300*													70
75	55.1	179.9	78,900*	60.3	183.7	89,200*	63.3	185.2	92,700*													75
80	51.5	176.1	74,000*	56.9	180.6	84,600*	60.0	182.4	87,900*													80
85	47.7	171.7	69,800*	53.4	177.0	80,500*	56.6	179.2	83,400*	61.6	181.5	88,900*										85
90	43.6	166.7	66,100*	49.7	172.9	76,200*	53.1	175.6	79,400*	58.3	178.6	84,300*										90
95	39.2	160.9	61,800*	45.8	168.3	69,900*	49.4	171.5	75,700*	54.9	175.2	79,100										95
100	34.3	154.0	57,400*	41.6	162.9	64,500*	45.5	166.8	69,500*	51.2	171.3	74,200	56.4	173.8	71,600							100
105	28.7	145.6	53,400*	37.0	156.7	59,700*	41.2	161.3	64,100*	47.4	166.9	69,800	52.9	170.2	67,300							105
110	21.8	134.7	49,900*	31.9	149.2	55,500*	36.6	155.0	59,400*	43.3	161.8	65,800	49.1	166.0	63,500							110
115	11.3	117.0	46,700*	25.8	139.8	51,800*	31.4	147.4	55,200*	38.9	155.9	61,600*	45.2	161.2	60,000	50.6	164.1	57,900				115
120				17.8	126.8	48,500*	25.1	137.7	51,500*	34.0	149.0	57,200*	40.9	155.7	56,900	46.7	159.6	54,800				120
125							16.9	124.2	48,200*	28.3	140.5	53,300*	36.3	149.3	54,000	42.6	154.4	52,100	48.0	157.0	50,200	125
130										21.3	129.3	49,800*	31.0	141.6	51,300	38.1	148.4	49,500	44.0	152.0	47,700	130
135										10.3	110.7	46,600*	24.7	131.8	48,800	33.1	141.2	47,100	39.6	146.3	45,400	135
140													16.2	117.8	46,500	27.3	132.4	44,900	34.8	139.5	43,300	140
145																19.9	120.5	42,800	29.3	131.3	41,300	145
150																6.7	98.1	40,800	22.5	120.7	39,500	150
155																			12.6	104.1	37,700	155

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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.8	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	90,500*													75
80	55.5	188.7	75,100*	60.3	192.4	82,700*	63.0	193.9	85,800*													80
85	52.3	184.9	70,600*	57.2	189.3	78,700*	60.0	191.1	81,500*													85
90	48.9	180.7	66,700*	54.1	185.8	75,100*	57.0	187.9	77,600*	61.5	190.2	82,200*										90
95	45.3	176.0	63,200*	50.7	181.8	71,800*	53.8	184.4	74,000*	58.5	187.2	78,300*										95
100	41.4	170.5	58,900*	47.2	177.4	66,300*	50.4	180.4	70,800*	55.3	183.9	73,700										100
105	37.3	164.3	54,900*	43.5	172.3	61,400*	46.9	175.9	65,800*	52.1	180.1	69,300	56.7	182.5	66,800							105
110	32.6	157.0	51,300*	39.6	166.5	57,000*	43.2	170.8	61,000*	48.7	175.9	65,300	53.5	178.9	63,000							110
115	27.3	148.1	48,000*	35.2	159.8	53,200*	39.2	164.9	56,700*	45.1	171.1	61,800	50.2	174.9	59,600							115
120	20.8	136.5	45,100*	30.3	151.9	49,700*	34.8	158.1	52,900*	41.2	165.6	58,500	46.7	170.4	56,400	51.5	173.0	54,400				120
125	10.7	117.9	40,800*	24.5	141.9	46,600*	29.8	150.0	49,500*	37.0	159.3	54,700*	42.9	165.2	53,500	48.1	168.6	51,600				125
130				16.9	128.2	43,800*	23.9	139.9	46,400*	32.3	151.9	51,100*	38.9	159.3	50,900	44.4	163.7	49,000				130
135							16.0	125.6	43,600*	27.0	142.9	47,900*	34.5	152.4	48,500	40.5	158.1	46,700	45.6	161.2	45,000	135
140										20.3	131.1	45,000*	29.5	144.2	46,200	36.3	151.7	44,500	41.8	155.9	42,900	140
145										9.8	111.5	42,300*	23.5	133.9	44,100	31.5	144.0	42,500	37.7	149.7	40,900	145
150													15.4	119.1	42,100	26.0	134.7	40,600	33.1	142.5	39,100	150
155																18.9	122.1	38,800	27.8	133.8	37,400	155
160																6.4	98.6	37,000	21.4	122.5	35,800	160
165																			12.0	105.1	34,200	165

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.5	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	83,700*													80
85	55.9	197.4	70,400*	60.3	201.0	76,800*	62.8	202.5	79,500*													85
90	53.0	193.7	66,300*	57.5	198.0	73,200*	60.0	199.7	75,700*													90
95	49.9	189.6	62,800*	54.6	194.5	70,000*	57.2	196.6	72,200*	61.4	198.9	76,300*										95
100	46.6	185.1	58,500*	51.6	190.7	65,900*	54.3	193.1	69,100*	58.6	195.9	72,800*										100
105	43.2	180.0	54,500*	48.4	186.4	61,000*	51.3	189.2	65,400*	55.7	192.6	68,800										105
110	39.6	174.2	50,800*	45.1	181.6	56,600*	48.1	184.9	60,600*	52.8	188.9	64,900	57.0	191.2	62,500							110
115	35.6	167.5	47,600*	41.6	176.1	52,800*	44.8	180.1	56,300*	49.7	184.8	61,300	54.1	187.7	59,000							115
120	31.2	159.8	44,700*	37.8	170.0	49,300*	41.3	174.6	52,500*	46.4	180.2	58,000	51.1	183.8	55,900							120
125	26.1	150.4	42,000*	33.6	162.9	46,200*	37.4	168.3	49,100*	43.0	175.1	54,300*	47.9	179.4	53,000	52.3	181.8	51,000				125
130	19.8	138.2	39,600*	29.0	154.4	43,400*	33.2	161.1	46,000*	39.3	169.2	50,700*	44.6	174.5	50,400	49.1	177.6	48,500				130
135	10.2	118.8	35,900*	23.4	144.0	40,900*	28.5	152.6	43,200*	35.4	162.5	47,500*	41.0	169.0	48,000	45.9	172.9	46,200				135
140				16.2	129.6	38,500*	22.9	141.9	40,700*	30.9	154.7	44,600*	37.2	162.7	45,700	42.4	167.7	44,000	46.9	170.3	42,300	140
145							15.3	126.9	38,400*	25.8	145.2	41,900*	32.9	155.4	43,700	38.7	161.7	42,000	43.5	165.3	40,400	145
150										19.4	132.8	39,500*	28.2	146.7	41,700	34.6	154.8	40,100	39.9	159.5	38,600	150
155										9.3	112.3	37,200*	22.4	135.8	39,900	30.1	146.7	38,400	36.0	153.0	36,900	155
160													14.7	120.4	38,200	24.8	136.9	36,700	31.6	145.3	35,300	160
165																18.1	123.7	35,200	26.6	136.1	33,800	165
170																6.1	99.0	33,600	20.5	124.3	32,400	170
175																			11.5	106.1	31,100	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	81,800*													80
85	58.9	209.3	70,600*	62.8	212.5	75,200*	65.0	213.7	77,800*													85
90	56.2	206.1	66,400*	60.3	209.7	71,700*	62.6	211.2	74,100*													90
95	53.5	202.5	62,700*	57.7	206.6	68,500*	60.0	208.4	70,700*													95
100	50.7	198.5	58,400*	55.0	203.2	65,600*	57.4	205.3	67,600*	61.3	207.5	71,200*										100
105	47.8	194.1	54,300*	52.2	199.5	60,800*	54.8	201.9	64,800*	58.7	204.6	68,100*										105
110	44.7	189.2	50,700*	49.4	195.3	56,500*	52.0	198.1	60,500*	56.1	201.3	64,600*										110
115	41.4	183.8	47,500*	46.4	190.7	52,600*	49.1	193.9	56,200*	53.4	197.7	61,100*	57.3	199.9	58,800*							115
120	37.9	177.6	44,500*	43.2	185.6	49,200*	46.1	189.2	52,300*	50.5	193.7	57,800*	54.6	196.4	55,700*							120
125	34.1	170.6	41,900*	39.9	179.8	46,100*	42.9	184.0	48,900*	47.6	189.3	54,200*	51.8	192.6	52,800*							125
130	29.9	162.4	39,400*	36.2	173.3	43,300*	39.5	178.2	45,900*	44.5	184.3	50,600*	48.9	188.4	50,200*	52.9	190.6	48,300*				130
135	25.1	152.6	37,200*	32.3	165.8	40,800*	35.9	171.6	43,100*	41.2	178.8	47,300*	45.9	183.7	47,800*	50.0	186.5	45,900*				135
140	19.0	139.9	35,200*	27.8	156.9	38,400*	31.9	164.0	40,600*	37.7	172.6	44,400*	42.7	178.4	45,600*	47.1	182.0	43,800*				140
145	9.8	119.6	32,000*	22.5	146.0	36,300*	27.3	155.0	38,200*	33.9	165.6	41,800*	39.3	172.6	43,500*	44.0	177.0	41,800*				145
150				15.5	131.0	34,300*	21.9	143.8	36,100*	29.6	157.3	39,400*	35.6	165.9	41,600*	40.7	171.4	39,900*	45.0	174.5	38,400*	150
155							14.7	128.2	34,200*	24.7	147.3	37,200*	31.6	158.2	39,800*	37.1	165.1	38,200*	41.7	169.1	36,700*	155
160										18.6	134.4	35,100*	27.0	149.1	38,100*	33.2	157.8	36,600*	38.3	163.0	35,100*	160
165										8.9	113.1	33,100*	21.5	137.7	36,000*	28.9	149.3	35,100*	34.5	156.1	33,700*	165
170													14.1	121.6	34,100*	23.8	138.9	33,600*	30.3	148.1	32,300*	170
175																17.4	125.2	32,300*	25.5	138.4	31,000*	175
180																5.8	99.5	30,900*	19.6	126.0	29,700*	180
185																			11.0	107.0	28,500*	185

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.6	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	75,800*													85
90	59.0	218.0	66,300*	62.6	221.2	69,900*	64.7	222.4	72,200*													90
95	56.5	214.8	62,600*	60.2	218.4	66,800*	62.4	219.9	69,000*													95
100	54.0	211.2	57,900*	57.8	215.3	64,000*	60.0	217.0	65,900*													100
105	51.4	207.3	53,900*	55.4	211.9	60,400*	57.6	214.0	63,100*	61.2	216.2	66,400*										105
110	48.7	203.1	50,200*	52.8	208.2	56,000*	55.1	210.6	60,000*	58.8	213.2	63,500*										110
115	45.9	198.4	47,000*	50.2	204.2	52,200*	52.6	206.8	55,700*	56.4	210.0	60,600*										115
120	43.0	193.2	44,100*	47.5	199.7	48,700*	50.0	202.8	51,900*	53.9	206.4	57,400*	57.5	208.5	55,100*							120
125	39.8	187.4	41,400*	44.6	194.8	45,600*	47.2	198.3	48,500*	51.3	202.5	53,700*	55.0	205.1	52,300*							125
130	36.5	180.9	39,000*	41.6	189.4	42,800*	44.3	193.3	45,400*	48.6	198.2	50,100*	52.4	201.4	49,700*							130
135	32.8	173.6	36,800*	38.3	183.3	40,300*	41.3	187.8	42,600*	45.7	193.5	46,900*	49.8	197.3	47,300*							135
140	28.8	165.0	34,700*	34.9	176.4	38,000*	38.0	181.7	40,100*	42.8	188.3	44,000*	47.0	192.7	45,100*	50.8	195.4	43,300				140
145	24.1	154.7	32,800*	31.0	168.6	35,800*	34.5	174.7	37,800*	39.6	182.5	41,300*	44.1	187.7	43,000*	48.1	191.0	41,300				145
150	18.3	141.5	31,100*	26.7	159.3	33,900*	30.7	166.7	35,700*	36.3	175.9	38,900*	41.1	182.2	41,100*	45.3	186.2	39,400				150
155	9.4	120.4	28,400*	21.6	147.9	32,100*	26.3	157.3	33,700*	32.6	168.5	36,700*	37.8	176.0	39,300*	42.3	180.9	37,700	46.2	183.7	36,200	155
160				14.9	132.2	30,400*	21.1	145.6	31,900*	28.5	159.9	34,700*	34.3	169.0	37,700*	39.1	175.0	36,100	43.2	178.5	34,600	160
165							14.1	129.4	30,200*	23.8	149.4	32,800*	30.4	160.9	35,600*	35.7	168.3	34,600	40.1	172.8	33,200	165
170										17.9	135.9	31,100*	26.0	151.4	33,600*	32.0	160.7	33,200	36.8	166.4	31,800	170
175										8.6	113.8	29,300*	20.7	139.5	31,800*	27.8	151.8	31,900	33.2	159.1	30,500	175
180													13.6	122.8	30,200*	22.9	141.0	30,600	29.2	150.7	29,300	180
185																16.7	126.7	29,400	24.6	140.6	28,100	185
190																5.6	99.9	28,100	18.9	127.7	27,000	190
195																			10.6	107.9	25,900	195

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.7	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	70,200*													90
95	59.0	226.6	61,900*	62.4	229.8	65,100*	64.4	231.1	67,100*													95
100	56.8	223.4	59,000*	60.2	227.0	62,300*	62.2	228.5	64,200*													100
105	54.4	220.0	54,800*	58.0	224.0	59,800*	60.0	225.7	61,400*													105
110	52.0	216.2	51,000*	55.7	220.6	57,000*	57.8	222.6	59,000*	61.1	224.8	61,800*										110
115	49.5	212.0	47,700*	53.3	217.0	53,000*	55.5	219.3	56,600*	58.9	221.9	59,300*										115
120	47.0	207.5	44,700*	50.9	213.1	49,500*	53.1	215.6	52,700*	56.6	218.7	56,900										120
125	44.3	202.5	42,000*	48.4	208.7	46,300*	50.7	211.6	49,200*	54.3	215.2	54,000	57.6	217.2	51,800							125
130	41.4	197.0	39,500*	45.7	204.0	43,400*	48.1	207.3	46,000*	51.9	211.3	50,900*	55.3	213.8	49,200							130
135	38.4	190.9	37,200*	43.0	198.8	40,800*	45.5	202.5	43,200*	49.4	207.2	47,600*	53.0	210.2	46,800							135
140	35.2	184.1	35,100*	40.1	193.0	38,400*	42.7	197.2	40,600*	46.8	202.6	44,600*	50.5	206.1	44,600							140
145	31.7	176.4	33,000*	37.0	186.7	36,300*	39.8	191.4	38,200*	44.1	197.6	41,900*	48.0	201.8	42,600	51.5	204.2	40,800				145
150	27.8	167.5	31,100*	33.6	179.5	34,200*	36.7	185.0	36,100*	41.3	192.1	39,400*	45.3	196.9	40,700	49.0	200.0	39,000				150
155	23.3	156.8	29,300*	29.9	171.2	32,200*	33.3	177.7	34,100*	38.2	186.0	37,100*	42.5	191.7	38,900	46.4	195.3	37,300				155
160	17.7	143.0	27,500*	25.8	161.6	30,400*	29.6	169.4	32,100*	35.0	179.1	35,100*	39.6	185.8	37,200	43.6	190.2	35,700	47.2	192.7	34,100	160
165	9.1	121.2	24,400*	20.9	149.7	28,600*	25.4	159.6	30,300*	31.5	171.3	33,200*	36.5	179.3	35,700	40.8	184.6	34,200	44.5	187.8	32,700	165
170				14.4	133.5	26,900*	20.4	147.4	28,500*	27.5	162.3	31,300*	33.1	172.0	34,000*	37.7	178.4	32,800	41.7	182.3	31,300	170
175							13.6	130.6	26,800*	23.0	151.5	29,500*	29.3	163.6	32,200*	34.4	171.4	31,400	38.7	176.3	30,100	175
180										17.3	137.4	27,700*	25.1	153.6	30,300*	30.8	163.4	30,200	35.5	169.6	28,900	180
185										8.3	114.5	25,900*	20.0	141.3	28,600*	26.8	154.2	29,000	32.0	162.0	27,700	185
190													13.1	123.9	26,900*	22.1	142.9	27,900	28.2	153.2	26,600	190
195																16.1	128.1	26,800	23.7	142.7	25,600	195
200																5.3	100.4	25,700	18.2	129.3	24,600	200
205																			10.2	108.8	23,600	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	68,200*													90
95	61.2	238.2	60,300*	64.3	241.1	63,400*	66.1	242.1	65,300*													95
100	59.1	235.3	57,900*	62.3	238.5	60,700*	64.1	239.8	62,500*													100
105	57.0	232.1	54,200*	60.2	235.7	58,200*	62.1	237.2	59,900*													105
110	54.8	228.7	50,500*	58.1	232.6	55,900*	60.0	234.4	57,500*													110
115	52.6	224.9	47,200*	56.0	229.3	52,500*	57.9	231.3	55,200*	61.0	233.5	57,700*										115
120	50.2	220.9	44,200*	53.8	225.8	48,900*	55.8	228.0	52,200*	59.0	230.6	55,400*										120
125	47.9	216.5	41,400*	51.5	221.9	45,800*	53.6	224.4	48,700*	56.8	227.4	53,300*										125
130	45.4	211.7	38,900*	49.2	217.7	42,900*	51.3	220.5	45,500*	54.7	223.9	50,400*	57.8	225.9	48,700							130
135	42.8	206.4	36,700*	46.7	213.1	40,300*	48.9	216.2	42,700*	52.4	220.1	47,000*	55.6	222.5	46,300							135
140	40.0	200.7	34,600*	44.2	208.1	37,900*	46.5	211.6	40,100*	50.1	216.1	44,000*	53.4	218.9	44,100							140
145	37.1	194.3	32,700*	41.5	202.6	35,700*	44.0	206.6	37,700*	47.7	211.6	41,300*	51.1	215.0	42,100							145
150	34.0	187.2	30,900*	38.7	196.6	33,700*	41.3	201.0	35,500*	45.2	206.8	38,900*	48.8	210.7	40,200	52.0	213.0	38,400				150
155	30.6	179.1	29,100*	35.7	189.9	31,900*	38.5	195.0	33,600*	42.6	201.5	36,600*	46.3	206.1	38,400	49.7	208.9	36,700				155
160	26.9	169.9	27,400*	32.5	182.4	30,100*	35.5	188.2	31,700*	39.9	195.7	34,500*	43.8	201.0	36,700	47.3	204.4	35,100				160
165	22.5	158.7	25,800*	29.0	173.8	28,400*	32.2	180.6	30,000*	37.0	189.3	32,600*	41.1	195.4	35,200	44.8	199.5	33,700				165
170	17.1	144.5	24,300*	24.9	163.8	26,800*	28.6	171.9	28,300*	33.8	182.2	30,900*	38.3	189.3	33,500*	42.2	194.1	32,300	45.6	197.0	30,800	170
175	8.8	121.9	21,500*	20.2	151.5	25,200*	24.6	161.7	26,700*	30.4	174.0	29,200*	35.3	182.5	31,700*	39.4	188.2	30,900	43.0	191.7	29,500	175
180				13.9	134.7	23,700*	19.7	149.1	25,200*	26.6	164.7	27,600*	32.0	174.9	30,000*	36.5	181.7	29,700	40.3	186.0	28,300	180
185							13.2	131.7	23,600*	22.2	153.4	26,000*	28.4	166.1	28,400*	33.3	174.4	28,500	37.4	179.7	27,200	185
190										16.7	138.9	24,500*	24.3	155.8	26,800*	29.8	166.1	27,400	34.3	172.7	26,100	190
195										8.0	115.1	22,900*	19.3	143.0	25,300*	25.9	156.5	26,400	31.0	164.7	25,100	195
200													12.6	125.0	23,700*	21.4	144.8	25,300	27.2	155.6	24,200	200
205																15.6	129.4	24,400	22.9	144.7	23,200	205
210																5.2	100.8	22,800*	17.6	130.8	22,300	210
215																			9.8	109.6	21,500	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	63,700*													95
100	61.1	246.9	56,600*	64.0	249.7	59,300*	65.7	250.9	61,000*													100
105	59.1	244.0	54,000*	62.1	247.1	56,900*	63.9	248.5	58,500*													105
110	57.1	240.8	50,200*	60.2	244.3	54,700*	62.0	245.9	56,200*													110
115	55.1	237.4	46,900*	58.2	241.3	52,200*	60.0	243.0	54,000*	62.9	244.9	56,300*										115
120	53.0	233.7	43,900*	56.2	238.0	48,700*	58.0	240.0	51,900*	61.0	242.2	54,200*										120
125	50.9	229.7	41,100*	54.1	234.5	45,500*	56.0	236.7	48,400*	59.0	239.2	52,000*										125
130	48.6	225.4	38,600*	52.0	230.7	42,600*	54.0	233.1	45,200*	57.0	236.0	50,100*										130
135	46.3	220.8	36,400*	49.8	226.6	40,000*	51.8	229.3	42,400*	55.0	232.6	46,700*	57.9	234.6	46,000							135
140	43.9	215.7	34,300*	47.6	222.1	37,600*	49.6	225.1	39,800*	52.9	228.9	43,700*	55.9	231.2	43,800							140
145	41.4	210.2	32,400*	45.2	217.3	35,400*	47.4	220.6	37,400*	50.7	224.9	41,000*	53.8	227.7	41,800							145
150	38.8	204.2	30,600*	42.8	212.0	33,400*	45.0	215.8	35,300*	48.5	220.6	38,600*	51.7	223.8	39,900							150
155	36.0	197.5	29,000*	40.2	206.3	31,600*	42.6	210.5	33,300*	46.2	215.9	36,300*	49.5	219.6	38,100	52.5	221.8	36,500				155
160	33.0	190.1	27,300*	37.5	200.0	29,900*	40.0	204.7	31,400*	43.8	210.8	34,200*	47.2	215.1	36,500	50.4	217.7	34,900				160
165	29.7	181.8	25,800*	34.6	193.0	28,300*	37.3	198.3	29,700*	41.3	205.3	32,300*	44.9	210.2	35,000	48.1	213.4	33,400				165
170	26.0	172.2	24,400*	31.5	185.2	26,700*	34.4	191.3	28,200*	38.6	199.2	30,600*	42.4	204.9	33,200*	45.8	208.6	32,000				170
175	21.8	160.7	23,000*	28.1	176.3	25,200*	31.2	183.4	26,600*	35.8	192.6	28,900*	39.8	199.1	31,400*	43.4	203.5	30,700	46.5	206.1	29,300	175
180	16.6	145.9	21,600*	24.2	165.9	23,800*	27.7	174.4	25,200*	32.8	185.1	27,400*	37.1	192.7	29,700*	40.8	197.9	29,500	44.2	201.0	28,100	180
185	8.5	122.6	19,100*	19.6	153.2	22,400*	23.8	163.8	23,700*	29.5	176.7	26,000*	34.2	185.6	28,100*	38.2	191.7	28,300	41.7	195.6	27,000	185
190				13.5	135.8	21,100*	19.1	150.8	22,400*	25.8	167.0	24,500*	31.0	177.6	26,600*	35.3	184.9	27,200	39.0	189.6	25,900	190
195							12.8	132.8	21,000*	21.5	155.3	23,100*	27.5	168.5	25,200*	32.2	177.3	26,100	36.2	183.0	24,900	195
200										16.2	140.3	21,800*	23.5	157.8	23,800*	28.9	168.7	25,100	33.3	175.7	23,900	200
205										7.7	115.8	20,400*	18.7	144.6	22,500*	25.1	158.7	24,200	30.0	167.4	23,000	205
210													12.2	126.0	21,100*	20.7	146.6	23,100*	26.4	157.9	22,200	210
215																15.1	130.7	21,700*	22.2	146.6	21,300	215
220																5.0	101.2	20,300*	17.1	132.3	20,500	220
225																			9.5	110.4	19,700	225

MANITOWOC ENGINEERING CO.

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WITH THE INTENT TO BE IN
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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	61,500*	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	59,200*													100
105	61.0	255.6	52,900*	63.8	258.4	55,400*	65.4	259.6	56,800*													105
110	59.2	252.6	49,700*	62.0	255.8	53,200*	63.6	257.1	54,600*													110
115	57.3	249.5	46,300*	60.2	253.0	51,100*	61.8	254.5	52,500*													115
120	55.4	246.1	43,300*	58.3	250.0	48,100*	60.0	251.7	50,400*	62.7	253.5	52,600*										120
125	53.4	242.5	40,600*	56.4	246.7	44,900*	58.2	248.6	47,800*	60.9	250.8	50,600*										125
130	51.4	238.6	38,100*	54.5	243.2	42,100*	56.3	245.4	44,700*	59.1	247.9	48,700*										130
135	49.3	234.4	35,800*	52.5	239.5	39,400*	54.3	241.9	41,800*	57.2	244.7	46,200*										135
140	47.2	229.8	33,800*	50.4	235.4	37,100*	52.3	238.1	39,200*	55.3	241.3	43,200*	58.0	243.2	43,300							140
145	44.9	224.9	31,900*	48.3	231.1	34,900*	50.3	234.0	36,900*	53.3	237.7	40,500*	56.1	239.9	41,300							145
150	42.6	219.7	30,100*	46.2	226.4	32,900*	48.1	229.6	34,700*	51.3	233.8	38,000*	54.2	236.4	39,400							150
155	40.2	213.9	28,400*	43.9	221.3	31,000*	46.0	224.9	32,700*	49.2	229.5	35,800*	52.2	232.6	37,600							155
160	37.6	207.6	26,900*	41.5	215.8	29,300*	43.7	219.8	30,900*	47.0	225.0	33,700*	50.1	228.5	36,000	53.0	230.6	34,400				160
165	34.9	200.7	25,500*	39.0	209.8	27,800*	41.3	214.3	29,200*	44.8	220.1	31,800*	48.0	224.1	34,500	50.9	226.6	32,900				165
170	32.0	193.0	24,100*	36.4	203.3	26,300*	38.8	208.2	27,600*	42.5	214.7	30,000*	45.8	219.4	32,600*	48.8	222.3	31,500				170
175	28.8	184.4	22,700*	33.6	196.0	24,900*	36.2	201.6	26,200*	40.0	209.0	28,400*	43.5	214.2	30,800*	46.7	217.7	30,200				175
180	25.3	174.4	21,400*	30.6	187.9	23,500*	33.3	194.3	24,800*	37.5	202.6	26,900*	41.1	208.7	29,100*	44.4	212.7	29,000	47.4	215.1	27,600	180
185	21.2	162.5	20,200*	27.2	178.7	22,200*	30.3	186.1	23,500*	34.8	195.7	25,500*	38.6	202.6	27,600*	42.1	207.3	27,800	45.1	210.2	26,500	185
190	16.1	147.3	19,000*	23.5	168.0	21,000*	26.9	176.8	22,200*	31.8	188.0	24,100*	36.0	195.9	26,100*	39.6	201.5	26,700	42.8	205.0	25,400	190
195	8.3	123.3	16,800*	19.0	154.8	19,800*	23.1	165.9	20,900*	28.6	179.2	22,900*	33.2	188.6	24,700*	37.0	195.1	25,700	40.4	199.3	24,400	195
200				13.1	137.0	18,600*	18.5	152.4	19,700*	25.0	169.2	21,600*	30.1	180.3	23,500*	34.3	188.0	24,700	37.9	193.0	23,500	200
205							12.4	133.9	18,500*	20.9	157.1	20,400*	26.7	170.9	22,200*	31.3	180.1	23,700	35.2	186.2	22,500	205
210										15.7	141.6	19,200*	22.8	159.9	21,000*	28.0	171.2	22,700*	32.3	178.6	21,700	210
215										7.5	116.4	17,900*	18.2	146.2	19,800*	24.4	160.8	21,500*	29.1	170.0	20,900	215
220													11.9	127.0	18,600*	20.1	148.4	20,300*	25.6	160.2	20,100	220
225																14.7	132.0	19,100*	21.6	148.5	19,300	225
230																4.8	101.6	17,800*	16.6	133.7	18,600	230
235																			9.3	111.2	17,800	235

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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	55,400*													105
110	61.0	264.2	49,200*	63.6	267.1	51,200*	65.1	268.3	53,200*													110
115	59.2	261.3	45,800*	61.9	264.5	50,000*	63.5	265.8	51,200*													115
120	57.5	258.2	42,800*	60.2	261.7	47,600*	61.7	263.2	49,300*													120
125	55.6	254.8	40,100*	58.4	258.7	44,400*	60.0	260.3	47,400*	62.6	262.2	49,300*										125
130	53.8	251.2	37,600*	56.6	255.4	41,600*	58.3	257.3	44,200*	60.9	259.5	47,500*										130
135	51.9	247.4	35,400*	54.8	252.0	39,000*	56.5	254.1	41,300*	59.1	256.5	45,700*										135
140	49.9	243.3	33,300*	52.9	248.3	36,600*	54.6	250.6	38,700*	57.3	253.4	42,700*										140
145	47.9	238.8	31,400*	51.0	244.3	34,400*	52.7	246.9	36,400*	55.5	250.0	40,000*										145
150	45.8	234.1	29,600*	49.0	240.0	32,400*	50.8	242.9	34,200*	53.7	246.4	37,500*	56.3	248.6	39,000							150
155	43.7	229.0	28,000*	47.0	235.5	30,500*	48.8	238.6	32,200*	51.8	242.6	35,300*	54.5	245.1	37,200							155
160	41.4	223.5	26,400*	44.8	230.5	28,800*	46.8	234.0	30,400*	49.8	238.4	33,200*	52.6	241.4	35,600							160
165	39.1	217.5	25,000*	42.6	225.3	27,300*	44.7	229.0	28,700*	47.8	234.0	31,300*	50.7	237.4	34,000							165
170	36.6	210.9	23,700*	40.4	219.5	25,800*	42.4	223.7	27,100*	45.7	229.2	29,500*	48.7	233.1	32,200*	51.4	235.4	31,100				170
175	34.0	203.8	22,400*	37.9	213.3	24,400*	40.1	217.9	25,700*	43.5	224.1	27,900*	46.6	228.5	30,300*	49.5	231.2	29,800				175
180	31.1	195.8	21,200*	35.4	206.5	23,100*	37.7	211.7	24,300*	41.3	218.5	26,400*	44.5	223.5	28,600*	47.4	226.7	28,500				180
185	28.0	186.9	20,000*	32.7	199.0	21,900*	35.2	204.8	23,000*	38.9	212.5	25,000*	42.3	218.1	27,100*	45.3	221.9	27,400				185
190	24.6	176.6	18,800*	29.7	190.6	20,700*	32.4	197.2	21,800*	36.4	205.9	23,700*	40.0	212.3	25,600*	43.2	216.7	26,300	46.0	219.4	25,000	190
195	20.6	164.3	17,700*	26.5	181.1	19,500*	29.5	188.7	20,600*	33.8	198.7	22,400*	37.6	206.0	24,200*	40.9	211.1	25,300	43.9	214.3	24,000	195
200	15.6	148.7	16,700*	22.8	170.0	18,400*	26.2	179.1	19,500*	30.9	190.7	21,300*	35.0	199.1	23,000*	38.5	205.0	24,300	41.6	208.8	23,000	200
205	8.0	124.0	14,600*	18.5	156.4	17,300*	22.5	167.8	18,400*	27.8	181.7	20,100*	32.2	191.5	21,800*	36.0	198.3	23,300	39.3	202.9	22,100	205
210				12.7	138.0	16,300*	18.0	154.0	17,300*	24.4	171.3	19,000*	29.3	182.9	20,700*	33.3	191.0	22,300*	36.8	196.4	21,300	210
215							12.1	134.9	16,200*	20.3	158.9	17,900*	26.0	173.2	19,500*	30.4	182.8	21,100*	34.2	189.3	20,500	215
220										15.3	143.0	16,800*	22.2	161.8	18,400*	27.3	173.6	20,000*	31.4	181.4	19,700	220
225										7.3	117.0	15,700*	17.7	147.7	17,400*	23.7	162.9	18,900*	28.3	172.5	18,900	225
230													11.6	128.0	16,300*	19.6	150.1	17,800*	24.9	162.4	18,200	230
235																14.3	133.2	16,800*	21.0	150.4	17,500	235
240																4.7	101.9	15,600*	16.1	135.1	16,800	240
245																			9.0	112.0	16,100*	245

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	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	53,600*													105
110	62.6	275.6	47,200*	65.0	278.2	49,300*	66.5	279.3	51,600*													110
115	60.9	272.9	44,800*	63.4	275.8	48,500*	64.9	277.0	49,600*													115
120	59.3	270.0	42,300*	61.8	273.1	46,500*	63.3	274.5	47,800*													120
125	57.6	266.8	39,600*	60.2	270.3	43,900*	61.7	271.8	46,100*													125
130	55.9	263.5	37,100*	58.5	267.3	41,000*	60.0	269.0	43,600*	62.5	270.9	46,000*										130
135	54.1	260.0	34,800*	56.8	264.1	38,400*	58.3	266.0	40,800*	60.8	268.1	44,400*										135
140	52.3	256.2	32,700*	55.1	260.7	36,000*	56.6	262.8	38,200*	59.2	265.2	42,200*										140
145	50.5	252.1	30,800*	53.3	257.0	33,800*	54.9	259.3	35,800*	57.5	262.1	39,500*										145
150	48.6	247.8	29,000*	51.5	253.1	31,800*	53.1	255.6	33,700*	55.8	258.7	37,000*										150
155	46.6	243.2	27,400*	49.6	248.9	30,000*	51.3	251.7	31,700*	54.0	255.2	34,700*	56.5	257.3	36,700							155
160	44.6	238.2	25,900*	47.7	244.5	28,300*	49.4	247.5	29,900*	52.2	251.4	32,700*	54.8	253.9	35,100							160
165	42.5	232.9	24,500*	45.7	239.7	26,700*	47.5	243.0	28,200*	50.3	247.3	30,800*	53.0	250.2	33,600							165
170	40.3	227.1	23,100*	43.6	234.6	25,200*	45.5	238.2	26,600*	48.4	243.0	29,000*	51.2	246.2	31,600*							170
175	38.0	220.9	21,900*	41.5	229.1	23,900*	43.5	233.0	25,100*	46.5	238.3	27,400*	49.3	242.0	29,800*	51.9	244.2	29,200				175
180	35.6	214.2	20,700*	39.3	223.1	22,600*	41.3	227.5	23,800*	44.5	233.3	25,800*	47.4	237.5	28,100*	50.0	240.1	28,000				180
185	33.1	206.7	19,600*	36.9	216.6	21,400*	39.1	221.5	22,500*	42.4	228.0	24,400*	45.4	232.7	26,500*	48.1	235.7	26,900				185
190	30.3	198.5	18,500*	34.5	209.6	20,200*	36.7	215.0	21,300*	40.2	222.2	23,100*	43.3	227.5	25,100*	46.2	231.0	25,800				190
195	27.3	189.3	17,400*	31.8	201.8	19,200*	34.2	207.9	20,200*	37.9	216.0	21,900*	41.2	221.9	23,700*	44.1	226.0	24,800	46.8	228.4	23,400	195
200	23.9	178.7	16,400*	29.0	193.2	18,100*	31.6	200.0	19,100*	35.5	209.2	20,700*	38.9	215.9	22,400*	42.0	220.6	23,800	44.8	223.5	22,500	200
205	20.1	166.1	15,400*	25.8	183.4	17,100*	28.7	191.3	18,000*	32.9	201.7	19,600*	36.6	209.3	21,200*	39.8	214.7	22,900	42.7	218.2	21,600	205
210	15.2	150.0	14,500*	22.2	171.9	16,100*	25.5	181.4	17,000*	30.1	193.4	18,600*	34.1	202.2	20,100*	37.5	208.4	21,700*	40.5	212.5	20,800	210
215	7.8	124.6	12,600*	18.0	158.0	15,100*	21.9	169.8	16,000*	27.1	184.1	17,600*	31.4	194.3	19,100*	35.1	201.5	20,600*	38.2	206.3	20,000	215
220				12.4	139.1	14,100*	17.6	155.5	15,000*	23.7	173.4	16,600*	28.5	185.5	18,100*	32.4	193.9	19,500*	35.9	199.6	19,200	220
225							11.8	135.9	14,100*	19.8	160.6	15,600*	25.3	175.4	17,100*	29.6	185.5	18,500*	33.3	192.3	18,400	225
230										14.9	144.3	14,600*	21.6	163.7	16,100*	26.6	176.0	17,500*	30.6	184.1	17,700	230
235										7.1	117.6	13,600*	17.2	149.2	15,100*	23.1	165.0	16,500*	27.6	175.0	17,100	235
240													11.3	129.0	14,100*	19.1	151.7	15,500*	24.3	164.5	16,400	240
245																13.9	134.4	14,600*	20.4	152.2	15,800	245
250																4.6	102.3	13,500*	15.7	136.5	14,900*	250
255																			8.8	112.7	13,900*	255

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	124,000*b													60
65	47.8	159.7	99,200*	56.8	165.3	110,300*b	61.7	167.3	116,100*b													65
70	41.9	154.5	92,600*	51.7	161.5	104,200*	56.9	164.2	109,200*b													70
75	35.2	148.0	87,000*	46.2	157.0	98,800*	51.8	160.5	103,100*	60.1	163.8	106,800b										75
80	27.0	139.3	79,600*	40.1	151.5	94,000*	46.3	155.9	97,700*	55.2	160.5	98,500										80
85	14.9	125.5	72,900*	33.0	144.5	85,100*	40.2	150.4	93,000*	49.9	156.5	91,300										85
90				24.1	134.9	77,600*	33.1	143.4	85,200*	44.3	151.7	85,000	53.2	155.9	81,900							90
95				8.6	116.6	71,100*	24.3	133.9	77,700*	37.9	145.8	79,500	47.8	151.6	76,600							95
100							9.0	116.0	71,200*	30.4	138.1	74,500	41.9	146.4	71,800	50.8	150.2	69,200				100
105										20.5	127.1	70,000	35.1	139.8	67,600	45.2	145.5	65,100				105
110													26.9	131.2	63,700	39.0	139.7	61,400	47.9	143.3	59,100	110
115													14.9	117.3	60,100	31.7	132.4	58,000	42.0	138.1	55,900	115
120																22.3	122.1	54,900	35.3	131.6	52,900	120
125																			27.2	123.0	50,200	125
130																			15.3	109.4	47,700	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	113,100*b													65
70	49.5	168.7	91,600*	57.2	174.0	101,400*	61.5	175.9	106,400*b													70
75	44.5	163.8	85,800*	52.8	170.3	96,100*	57.3	172.9	100,500*													75
80	39.0	158.1	79,900*	48.1	166.1	91,200*	52.9	169.3	95,100*	60.1	172.5	98,000										80
85	32.8	150.9	73,100*	43.0	161.0	85,400*	48.2	165.0	90,300*	55.8	169.2	90,800										85
90	25.1	141.5	67,300*	37.3	154.9	77,900*	43.1	159.9	85,600*	51.3	165.4	84,500										90
95	13.9	126.7	62,200*	30.8	147.2	71,400*	37.4	153.8	78,000*	46.5	160.9	79,000	54.1	164.6	76,000							95
100				22.5	136.8	65,800*	30.9	146.2	71,500*	41.2	155.5	74,100	49.5	160.6	71,300							100
105				8.0	117.2	60,900*	22.6	135.9	65,900*	35.3	149.0	69,700	44.5	155.7	67,100	52.0	159.0	64,500				105
110							8.4	116.7	61,000*	28.3	140.6	65,700	39.0	150.0	63,300	47.3	154.6	60,900	44.6	147.5	52,400	110
115										19.1	128.7	62,100	32.7	142.8	59,800	42.1	149.4	57,500	39.1	141.7	49,700	115
120													25.1	133.4	56,600	36.3	143.1	54,500	44.6	147.5	52,400	120
125													13.8	118.5	53,700	29.5	135.0	51,700	32.9	134.6	47,300	125
130																20.8	123.9	49,100	25.3	125.2	45,000	130
135																			14.2	110.6	42,800	135
140																						140

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE IN
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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	72.7	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	99,000*	64.9	187.2	103,900*													70
75	50.7	177.6	85,300*	57.5	182.6	93,800*	61.3	184.6	98,200*													75
80	46.4	173.0	80,100*	53.6	179.1	89,100*	57.6	181.6	92,900*													80
85	41.8	167.7	73,300*	49.5	175.0	84,800*	53.7	178.0	88,200*	60.1	181.1	90,400										85
90	36.7	161.4	67,400*	45.1	170.3	78,100*	49.6	174.0	84,000*	56.3	177.9	84,200										90
95	30.8	153.7	62,400*	40.4	164.7	71,600*	45.2	169.2	78,200*	52.3	174.2	78,700										95
100	23.6	143.6	57,900*	35.1	158.1	66,000*	40.4	163.7	71,700*	48.1	170.0	73,800	54.8	173.4	70,900							100
105	13.1	127.8	53,900*	28.9	149.8	61,100*	35.1	157.0	66,100*	43.6	165.0	69,400	50.7	169.5	66,700							105
110				21.1	138.7	56,700*	29.0	148.8	61,100*	38.7	159.1	65,500	46.4	164.9	62,900	53.0	167.8	60,400				110
115				7.5	117.8	52,800*	21.3	137.7	56,800*	33.2	152.0	61,900	41.8	159.6	59,500	48.8	163.6	57,100				115
120							7.8	117.3	52,900*	26.6	143.0	58,600	36.6	153.3	56,400	44.4	158.7	54,100				120
125										17.9	130.2	55,500*	30.8	145.6	53,500	39.5	153.0	51,400	46.5	156.6	49,300	125
130													23.6	135.5	50,800	34.1	146.1	48,800	41.9	151.3	46,900	130
135													13.0	119.6	48,300	27.8	137.5	46,500	36.8	145.0	44,600	135
140																19.6	125.6	44,300	30.9	137.3	42,500	140
145																			23.8	127.3	40,600	145
150																			13.4	111.7	38,700	150

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.5	204.7	120,200*																			45
50	71.5	203.1	112,500*																			50
55	68.4	201.2	105,800*																			55
60	65.3	199.0	99,800*	70.6	201.3	108,700*																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	101,300*													70
75	55.3	190.2	85,000*	61.1	194.4	91,400*	64.4	195.9	95,600*													75
80	51.7	186.4	79,600*	57.8	191.3	86,800*	61.2	193.3	90,600*													80
85	47.9	182.1	73,100*	54.3	187.9	82,500*	57.8	190.2	86,000*													85
90	43.9	177.1	67,300*	50.7	183.9	77,900*	54.3	186.8	81,800*	60.1	189.8	83,600										90
95	39.5	171.3	62,200*	46.8	179.4	71,400*	50.7	182.8	78,100*	56.7	186.6	78,100										95
100	34.7	164.5	57,700*	42.7	174.2	65,800*	46.9	178.3	71,500*	53.1	183.0	73,300										100
105	29.1	156.3	53,700*	38.2	168.2	60,900*	42.7	173.2	65,900*	49.4	178.9	68,900	55.3	182.1	66,100							105
110	22.4	145.6	50,200*	33.2	161.0	56,500*	38.2	167.2	60,900*	45.5	174.2	65,000	51.7	178.3	62,400							110
115	12.3	128.8	46,900*	27.4	152.2	52,700*	33.3	160.0	56,600*	41.3	168.8	61,400	47.9	174.0	58,900							115
120				20.0	140.4	49,200*	27.5	151.2	52,800*	36.6	162.4	58,200	43.9	169.0	55,800	50.0	172.5	53,500				120
125				7.0	118.4	46,100*	20.1	139.5	49,300*	31.4	154.8	55,200	39.5	163.2	53,000	46.1	167.9	50,800				125
130							7.4	117.9	46,200*	25.2	145.2	51,600*	34.7	156.4	50,400	41.9	162.6	48,300	48.0	165.7	46,300	130
135										16.9	131.7	48,300*	29.1	148.2	48,000	37.4	156.4	46,000	44.0	160.7	44,100	135
140													22.3	137.4	45,700	32.3	149.0	43,800	39.6	155.0	42,000	140
145													12.3	120.6	43,600	26.3	139.8	41,800	34.8	148.2	40,100	145
150																18.5	127.2	39,900	29.3	140.0	38,300	150
155																			22.5	129.3	36,600	155
160																			12.6	112.8	35,000	160

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	89,100*	66.9	206.9	93,200*													75
80	55.8	198.9	79,300*	61.0	203.0	84,700*	64.0	204.6	88,300*													80
85	52.5	195.2	75,200*	58.0	200.0	80,600*	61.1	201.9	83,900*													85
90	49.1	191.0	69,100*	54.8	196.6	76,900*	58.0	198.9	79,900*	63.0	201.3	83,100										90
95	45.5	186.3	63,900*	51.6	192.8	73,400*	54.9	195.5	76,300*	60.1	198.5	77,600										95
100	41.7	180.9	59,200*	48.1	188.4	67,600*	51.6	191.7	73,000*	57.0	195.3	72,800										100
105	37.6	174.8	55,100*	44.5	183.5	62,500*	48.2	187.4	67,700*	53.8	191.8	68,400										105
110	33.0	167.5	51,500*	40.6	178.0	58,000*	44.5	182.5	62,600*	50.5	187.8	64,500	55.7	190.8	61,900							110
115	27.7	158.7	48,200*	36.3	171.5	54,100*	40.6	176.9	58,100*	46.9	183.3	61,000	52.5	187.1	58,500							115
120	21.3	147.4	45,300*	31.6	163.9	50,500*	36.4	170.5	54,100*	43.2	178.2	57,800	49.1	182.9	55,400							120
125	11.7	129.8	41,700*	26.0	154.5	47,400*	31.6	162.9	50,600*	39.2	172.4	54,800	45.5	178.2	52,500	51.0	181.4	50,300				125
130				19.0	142.1	44,500*	26.1	153.5	47,400*	34.8	165.6	52,100	41.7	172.8	49,900	47.5	177.0	47,800				130
135				6.7	118.9	40,800*	19.2	141.1	44,600*	29.9	157.5	49,500*	37.6	166.6	47,600	43.8	172.0	45,500				135
140							7.0	118.4	41,900*	24.0	147.3	46,400*	33.0	159.4	45,300	39.9	166.3	43,400	45.6	169.9	41,500	140
145										16.1	133.1	43,700*	27.7	150.6	43,300	35.6	159.6	41,400	41.8	164.6	39,600	145
150													21.3	139.3	41,300	30.7	151.8	39,600	37.7	158.4	37,900	150
155													11.7	121.6	39,500	25.0	142.0	37,900	33.1	151.2	36,200	155
160																17.6	128.8	36,200	27.8	142.4	34,700	160
165																			21.4	131.2	33,200	165
170																			12.0	113.8	31,800	170

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.7	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	82,500*	66.3	215.7	86,100*													80
85	56.1	207.6	73,900*	60.9	211.7	78,600*	63.7	213.3	81,800*													85
90	53.2	204.0	68,700*	58.2	208.7	75,000*	61.0	210.6	77,900*													90
95	50.1	199.9	63,500*	55.3	205.3	71,800*	58.2	207.6	74,300*	62.8	209.9	77,100										95
100	46.9	195.4	58,800*	52.3	201.6	67,200*	55.3	204.2	71,100*	60.0	207.1	72,200										100
105	43.5	190.3	54,700*	49.2	197.4	62,100*	52.3	200.5	67,300*	57.2	204.0	67,900										105
110	39.8	184.6	51,100*	45.9	192.7	57,600*	49.2	196.3	62,200*	54.3	200.5	64,000										110
115	35.9	178.0	47,800*	42.5	187.5	53,700*	46.0	191.6	57,700*	51.3	196.6	60,500	56.1	199.5	57,900							115
120	31.5	170.3	44,900*	38.7	181.5	50,100*	42.5	186.4	53,700*	48.1	192.3	57,300	53.2	195.9	54,800							120
125	26.5	161.1	42,200*	34.7	174.6	47,000*	38.8	180.5	50,200*	44.8	187.5	54,400	50.1	191.8	52,000							125
130	20.3	149.2	39,700*	30.2	166.6	44,100*	34.8	173.6	47,000*	41.3	182.0	51,700	46.9	187.3	49,400	51.8	190.2	47,300				130
135	11.2	130.7	36,700*	24.9	156.7	41,500*	30.2	165.6	44,100*	37.5	175.8	49,100*	43.5	182.2	47,100	48.7	186.0	45,000				135
140				18.2	143.6	39,100*	25.0	155.7	41,500*	33.3	168.6	46,000*	39.8	176.5	44,900	45.4	181.2	42,900				140
145				6.4	119.4	36,100*	18.3	142.7	39,100*	28.5	160.0	43,300*	35.9	169.9	42,800	41.9	175.8	40,900	46.9	179.0	39,100	145
150							6.7	119.0	36,900*	22.9	149.3	40,700*	31.5	162.2	40,900	38.1	169.7	39,100	43.5	173.9	37,300	150
155										15.4	134.4	38,400*	26.5	153.0	39,100	34.0	162.7	37,400	39.9	168.2	35,700	155
160													20.3	141.1	37,500	29.3	154.4	35,800	36.0	161.7	34,200	160
165													11.2	122.6	35,800	23.9	144.2	34,300	31.6	154.0	32,700	165
170																16.8	130.2	32,800	26.6	144.8	31,400	170
175																			20.5	133.0	30,100	175
180																			11.5	114.8	28,800	180

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.9	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	76,900*	65.9	224.4	80,000*													85
90	56.4	216.3	68,600*	60.9	220.3	73,400*	63.4	221.9	76,200*													90
95	53.7	212.7	63,400*	58.3	217.3	70,200*	60.9	219.2	72,800*													95
100	50.9	208.8	58,700*	55.7	214.0	67,100*	58.3	216.2	69,600*	62.6	218.6	72,000										100
105	48.0	204.4	54,600*	52.9	210.3	62,000*	55.7	212.9	66,700*	60.0	215.8	67,700										105
110	44.9	199.6	51,000*	50.1	206.3	57,500*	53.0	209.3	62,100*	57.4	212.7	63,800										110
115	41.7	194.2	47,700*	47.1	201.8	53,500*	50.1	205.2	57,600*	54.8	209.3	60,300										115
120	38.2	188.1	44,700*	44.0	196.8	50,000*	47.2	200.7	53,600*	52.0	205.5	57,100	56.4	208.2	54,600							120
125	34.4	181.1	42,100*	40.7	191.2	46,800*	44.1	195.7	50,100*	49.1	201.3	54,200	53.7	204.6	51,800							125
130	30.2	173.0	39,600*	37.1	184.9	44,000*	40.7	190.1	46,900*	46.1	196.6	51,500	50.9	200.7	49,200							130
135	25.4	163.3	37,400*	33.3	177.6	41,400*	37.2	183.8	44,000*	42.9	191.4	49,000*	48.0	196.3	46,900	52.5	199.0	44,700				135
140	19.5	150.9	35,300*	28.9	169.2	39,000*	33.3	176.6	41,400*	39.6	185.6	45,900*	44.9	191.5	44,700	49.6	194.9	42,600				140
145	10.7	131.6	32,700*	23.9	158.8	36,800*	29.0	168.2	39,000*	35.9	179.0	43,100*	41.7	186.1	42,600	46.6	190.3	40,700				145
150				17.5	145.2	34,800*	23.9	157.9	36,800*	31.9	171.4	40,600*	38.2	180.0	40,800	43.5	185.2	38,900				150
155				6.1	119.9	32,200*	17.6	144.3	34,800*	27.4	162.4	38,300*	34.4	173.0	39,000	40.1	179.5	37,200	45.0	183.2	35,500	155
160							6.4	119.5	32,800*	22.0	151.3	36,200*	30.2	164.9	37,300	36.5	173.1	35,600	41.7	177.8	34,000	160
165										14.8	135.7	34,200*	25.4	155.2	35,800	32.6	165.6	34,100	38.3	171.7	32,500	165
170													19.5	142.8	34,300	28.1	156.9	32,700	34.5	164.8	31,200	170
175													10.7	123.5	32,900	22.9	146.2	31,400	30.3	156.7	29,900	175
180																16.1	131.6	30,100	25.5	147.1	28,700	180
185																			19.6	134.7	27,600	185
190																			11.0	115.7	26,500	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.8	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	74,900*	67.7	235.3	77,800*													85
90	59.1	228.2	67,400*	63.1	231.7	71,500*	65.5	233.1	74,200*													90
95	56.7	225.0	62,900*	60.8	229.0	68,400*	63.2	230.6	70,900*													95
100	54.2	221.5	58,300*	58.4	226.0	65,500*	60.8	227.9	67,800*													100
105	51.6	217.6	54,100*	56.0	222.7	61,500*	58.5	224.9	65,000*	62.4	227.3	67,200										105
110	48.9	213.4	50,500*	53.5	219.1	57,100*	56.0	221.6	61,600*	60.0	224.4	63,300										110
115	46.1	208.7	47,200*	50.8	215.1	53,100*	53.5	218.0	57,100*	57.6	221.4	59,800										115
120	43.2	203.6	44,300*	48.1	210.8	49,500*	50.9	214.1	53,200*	55.2	218.0	56,600										120
125	40.1	197.8	41,600*	45.3	206.0	46,400*	48.2	209.7	49,600*	52.6	214.2	53,700	56.7	216.9	51,300							125
130	36.7	191.4	39,100*	42.3	200.7	43,500*	45.3	204.9	46,400*	50.0	210.2	51,000	54.2	213.4	48,700							130
135	33.1	184.1	36,900*	39.1	194.8	40,900*	42.4	199.6	43,600*	47.2	205.7	48,500*	51.6	209.5	46,300							135
140	29.1	175.6	34,900*	35.7	188.1	38,500*	39.2	193.7	40,900*	44.3	200.7	45,400*	48.9	205.3	44,200	53.0	207.8	42,100				140
145	24.5	165.5	33,000*	32.0	180.5	36,300*	35.8	187.1	38,600*	41.3	195.2	42,700*	46.1	200.6	42,100	50.4	203.8	40,200				145
150	18.8	152.5	31,200*	27.8	171.6	34,300*	32.1	179.5	36,400*	38.1	189.1	40,100*	43.2	195.5	40,300	47.7	199.4	38,400				150
155	10.3	132.5	29,000*	23.0	160.8	32,500*	27.9	170.6	34,400*	34.6	182.1	37,800*	40.1	189.7	38,500	44.8	194.5	36,700				155
160				16.8	146.6	30,800*	23.0	159.9	32,500*	30.7	174.2	35,700*	36.7	183.3	36,900	41.8	189.1	35,100	46.2	192.3	33,400	160
165				5.8	120.4	28,600*	16.9	145.7	30,800*	26.3	164.8	33,800*	33.1	176.0	35,300	38.6	183.0	33,600	43.2	187.2	32,000	165
170							6.1	120.0	29,100*	21.2	153.1	32,000*	29.1	167.5	33,900	35.1	176.2	32,300	40.1	181.5	30,700	170
175										14.2	136.9	30,300*	24.4	157.4	32,500	31.3	168.5	31,000	36.8	175.0	29,400	175
180													18.8	144.4	31,200	27.1	159.3	29,700	33.2	167.8	28,200	180
185													10.3	124.3	29,700*	22.1	148.1	28,500	29.2	159.3	27,100	185
190																15.5	132.9	27,400	24.6	149.2	26,100	190
195																			18.9	136.3	25,000	195
200																			10.6	116.6	24,000	200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.8	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	69,500*	67.2	244.0	72,000*													90
95	59.2	236.8	62,900*	62.9	240.4	66,600*	65.1	241.8	68,900*													95
100	56.9	233.7	59,300*	60.8	237.7	63,800*	63.0	239.3	66,000*													100
105	54.6	230.2	55,000*	58.5	234.7	61,200*	60.8	236.6	63,200*													105
110	52.2	226.4	51,300*	56.3	231.4	58,000*	58.6	233.6	60,700*	62.2	235.9	62,800										110
115	49.7	222.3	47,900*	53.9	227.9	53,900*	56.3	230.3	58,100*	60.0	233.1	59,300										115
120	47.1	217.8	44,900*	51.5	224.0	50,300*	53.9	226.8	54,000*	57.8	230.0	56,100										120
125	44.5	212.8	42,100*	49.0	219.7	47,000*	51.5	222.9	50,400*	55.5	226.7	53,200										125
130	41.6	207.4	39,600*	46.4	215.1	44,100*	49.0	218.7	47,100*	53.1	223.0	50,500	56.9	225.6	48,200							130
135	38.6	201.4	37,400*	43.7	210.0	41,400*	46.4	214.0	44,100*	50.7	219.0	48,100	54.6	222.1	45,900							135
140	35.4	194.6	35,300*	40.8	204.4	39,000*	43.7	209.0	41,500*	48.2	214.7	45,800	52.2	218.3	43,700							140
145	31.9	187.0	33,300*	37.7	198.2	36,800*	40.8	203.4	39,000*	45.5	209.9	43,200*	49.7	214.2	41,700							145
150	28.1	178.1	31,400*	34.5	191.2	34,700*	37.8	197.2	36,800*	42.7	204.7	40,600*	47.1	209.7	39,800	51.1	212.6	37,900				150
155	23.6	167.6	29,600*	30.9	183.3	32,800*	34.5	190.2	34,800*	39.8	198.9	38,300*	44.4	204.7	38,100	48.6	208.3	36,200				155
160	18.1	154.1	27,800*	26.9	174.0	31,000*	30.9	182.3	32,900*	36.7	192.4	36,100*	41.6	199.3	36,400	45.9	203.6	34,600				160
165	10.0	133.3	25,000*	22.2	162.8	29,200*	26.9	173.0	31,100*	33.3	185.1	34,100*	38.6	193.2	34,900	43.2	198.5	33,200	47.2	201.4	31,500	165
170				16.2	148.0	27,500*	22.2	161.8	29,300*	29.6	176.8	32,300*	35.4	186.5	33,500	40.3	192.8	31,800	44.5	196.4	30,200	170
175				5.6	120.8	24,700*	16.3	147.1	27,600*	25.4	167.0	30,600*	31.9	178.9	32,100	37.2	186.4	30,500	41.7	191.0	29,000	175
180							5.9	120.5	25,600*	20.4	154.9	28,800*	28.1	170.0	30,800	33.9	179.3	29,300	38.7	185.0	27,800	180
185										13.7	138.1	27,100*	23.6	159.5	29,600	30.2	171.2	28,100	35.5	178.3	26,700	185
190													18.1	146.0	28,300*	26.1	161.6	27,000	32.0	170.6	25,600	190
195													9.9	125.2	26,500*	21.3	150.0	26,000	28.2	161.8	24,600	195
200																15.0	134.2	25,000	23.7	151.3	23,700	200
205																			18.2	137.9	22,800	205
210																			10.2	117.4	21,900	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	64,800*	66.8	252.8	66,900*													95
100	59.2	245.5	58,800*	62.8	249.1	62,100*	64.8	250.5	64,100*													100
105	57.1	242.4	54,500*	60.7	246.3	59,600*	62.8	248.0	61,500*													105
110	54.9	238.9	50,800*	58.6	243.3	57,300*	60.7	245.2	59,100*													110
115	52.7	235.2	47,400*	56.5	240.1	53,400*	58.7	242.2	56,800*	62.1	244.6	58,800										115
120	50.4	231.2	44,400*	54.3	236.6	49,800*	56.5	239.0	53,500*	60.0	241.8	55,600										120
125	48.0	226.8	41,600*	52.1	232.8	46,500*	54.3	235.5	49,800*	57.9	238.7	52,700										125
130	45.6	222.0	39,100*	49.7	228.7	43,600*	52.1	231.7	46,600*	55.8	235.4	50,000										130
135	43.0	216.8	36,800*	47.3	224.2	40,900*	49.8	227.6	43,600*	53.6	231.8	47,600	57.1	234.3	45,300							135
140	40.2	211.1	34,700*	44.8	219.3	38,500*	47.4	223.1	40,900*	51.3	227.9	45,300	54.9	230.8	43,200							140
145	37.4	204.8	32,800*	42.2	213.9	36,200*	44.9	218.2	38,500*	49.0	223.6	42,700*	52.7	227.1	41,200							145
150	34.3	197.7	31,000*	39.4	208.0	34,200*	42.2	212.9	36,300*	46.5	219.0	40,100*	50.4	223.1	39,300							150
155	30.9	189.7	29,400*	36.5	201.5	32,300*	39.5	207.0	34,200*	44.0	214.0	37,800*	48.0	218.7	37,600	51.7	221.4	35,700				155
160	27.1	180.5	27,700*	33.3	194.2	30,600*	36.5	200.5	32,400*	41.3	208.5	35,600*	45.5	213.9	35,900	49.3	217.3	34,100				160
165	22.8	169.6	26,100*	29.9	185.9	29,000*	33.4	193.2	30,600*	38.5	202.4	33,600*	43.0	208.7	34,400	46.9	212.7	32,700				165
170	17.5	155.6	24,600*	26.0	176.3	27,400*	29.9	184.9	29,000*	35.5	195.6	31,800*	40.2	203.0	33,000	44.4	207.7	31,300				170
175	9.6	134.2	22,100*	21.4	164.7	25,800*	26.0	175.3	27,500*	32.2	188.0	30,100*	37.3	196.6	31,700	41.7	202.3	30,000	45.6	205.6	28,400	175
180				15.7	149.4	24,300*	21.5	163.7	25,900*	28.6	179.4	28,500*	34.2	189.6	30,400	39.0	196.3	28,800	43.0	200.4	27,300	180
185				5.4	121.3	21,900*	15.8	148.5	24,400*	24.6	169.2	27,000*	30.9	181.6	29,200	36.0	189.7	27,600	40.3	194.7	26,200	185
190							5.7	120.9	22,700*	19.7	156.6	25,500*	27.1	172.4	27,900*	32.8	182.2	26,600	37.4	188.4	25,100	190
195										13.3	139.2	23,900*	22.8	161.5	26,500*	29.2	173.8	25,500	34.3	181.4	24,100	195
200													17.5	147.5	25,000*	25.3	163.9	24,600	31.0	173.4	23,200	200
205													9.6	126.0	23,400*	20.6	151.8	23,600	27.2	164.2	22,300	205
210																14.5	135.5	22,700	22.9	153.3	21,400	210
215																			17.6	139.5	20,600	215
220																			9.8	118.3	19,800	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	60,600*	66.4	261.5	62,500*													100
105	59.3	254.2	54,200*	62.6	257.7	58,200*	64.5	259.2	60,000*													105
110	57.3	251.0	50,500*	60.7	255.0	55,900*	62.6	256.6	57,700*													110
115	55.2	247.6	47,100*	58.7	252.0	53,100*	60.7	253.9	55,500*													115
120	53.2	244.0	44,100*	56.7	248.8	49,500*	58.7	250.9	53,200*	62.0	253.2	55,300										120
125	51.0	240.0	41,300*	54.7	245.3	46,200*	56.7	247.7	49,600*	60.0	250.4	52,400										125
130	48.8	235.7	38,800*	52.5	241.6	43,300*	54.7	244.2	46,300*	58.1	247.4	49,800										130
135	46.5	231.1	36,500*	50.4	237.5	40,600*	52.6	240.5	43,300*	56.0	244.1	47,300										135
140	44.1	226.1	34,400*	48.1	233.2	38,200*	50.4	236.5	40,600*	54.0	240.5	45,100	57.3	242.9	42,900							140
145	41.6	220.6	32,500*	45.8	228.4	35,900*	48.2	232.1	38,200*	51.8	236.7	42,400*	55.2	239.5	40,900							145
150	39.0	214.6	30,700*	43.4	223.3	33,900*	45.9	227.4	36,000*	49.7	232.5	39,800*	53.2	235.9	39,000							150
155	36.2	208.0	29,100*	40.9	217.7	32,000*	43.4	222.2	33,900*	47.4	228.0	37,500*	51.0	231.9	37,300							155
160	33.2	200.7	27,600*	38.2	211.5	30,300*	40.9	216.6	32,100*	45.0	223.2	35,300*	48.8	227.6	35,700	52.2	230.2	33,800				160
165	29.9	192.4	26,100*	35.4	204.7	28,700*	38.2	210.5	30,300*	42.6	217.9	33,300*	46.5	223.0	34,200	50.0	226.2	32,400				165
170	26.3	182.9	24,600*	32.3	197.1	27,200*	35.4	203.7	28,700*	40.0	212.1	31,500*	44.1	218.0	32,800	47.8	221.7	31,000				170
175	22.1	171.5	23,200*	28.9	188.5	25,800*	32.3	196.1	27,200*	37.3	205.8	29,800*	41.6	212.5	31,400	45.4	216.9	29,800				175
180	17.0	157.1	21,900*	25.2	178.5	24,300*	29.0	187.5	25,800*	34.4	198.7	28,200*	39.0	206.5	30,200	43.0	211.7	28,500	46.5	214.7	27,000	180
185	9.3	134.9	19,600*	20.8	166.5	23,000*	25.2	177.6	24,400*	31.2	190.8	26,700*	36.2	199.9	29,000	40.4	206.0	27,400	44.2	209.7	25,900	185
190				15.2	150.7	21,600*	20.8	165.6	23,000*	27.8	181.8	25,400*	33.2	192.6	27,600*	37.7	199.7	26,300	41.7	204.2	24,900	190
195				5.3	121.7	19,500*	15.3	149.8	21,700*	23.8	171.3	24,000*	29.9	184.3	26,200*	34.9	192.8	25,300	39.0	198.3	23,900	195
200							5.5	121.4	20,200*	19.1	158.3	22,700*	26.3	174.8	24,900*	31.7	185.1	24,300	36.2	191.7	23,000	200
205										12.8	140.3	21,300*	22.1	163.4	23,600*	28.3	176.3	23,400	33.3	184.3	22,100	205
210													17.0	149.0	22,200*	24.5	166.0	22,500	30.0	176.1	21,200	210
215													9.3	126.7	20,800*	19.9	153.5	21,700	26.4	166.6	20,400	215
220																14.0	136.7	20,900	22.2	155.3	19,700	220
225																			17.1	140.9	18,900	225
230																			9.5	119.1	18,200	230

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	60,600*													100
105	61.2	265.7	53,700*	64.2	268.9	56,600*	66.0	270.2	58,200*													105
110	59.3	262.8	49,900*	62.4	266.4	54,400*	64.3	267.8	56,000*													110
115	57.4	259.7	46,600*	60.6	263.6	52,300*	62.5	265.3	53,900*													115
120	55.5	256.3	43,500*	58.8	260.7	49,000*	60.7	262.5	51,800*													120
125	53.6	252.7	40,800*	56.9	257.5	45,700*	58.8	259.6	49,000*	61.9	261.9	51,900										125
130	51.5	248.8	38,300*	55.0	254.0	42,700*	56.9	256.4	45,700*	60.0	259.1	49,300										130
135	49.5	244.7	36,000*	53.0	250.3	40,100*	55.0	253.0	42,800*	58.2	256.0	46,800										135
140	47.3	240.2	33,900*	50.9	246.4	37,600*	53.0	249.3	40,100*	56.3	252.8	44,600										140
145	45.1	235.3	32,000*	48.9	242.1	35,400*	51.0	245.3	37,700*	54.3	249.3	41,900*	57.4	251.6	40,400							145
150	42.8	230.0	30,200*	46.7	237.5	33,400*	48.9	241.0	35,500*	52.3	245.5	39,300*	55.5	248.2	38,500							150
155	40.4	224.3	28,600*	44.4	232.5	31,500*	46.7	236.4	33,400*	50.3	241.4	36,900*	53.5	244.6	36,800							155
160	37.8	218.1	27,000*	42.1	227.1	29,700*	44.5	231.5	31,500*	48.2	237.0	34,800*	51.5	240.7	35,200							160
165	35.1	211.2	25,600*	39.7	221.3	28,100*	42.1	226.1	29,800*	46.0	232.3	32,800*	49.5	236.6	33,700	52.6	239.0	31,900				165
170	32.2	203.6	24,300*	37.1	214.9	26,600*	39.7	220.2	28,200*	43.7	227.2	30,900*	47.3	232.1	32,300	50.6	235.0	30,500				170
175	29.1	195.0	23,000*	34.3	207.8	25,200*	37.1	213.8	26,700*	41.3	221.7	29,200*	45.1	227.2	30,900	48.5	230.7	29,200				175
180	25.5	185.1	21,700*	31.3	199.9	23,900*	34.4	206.8	25,300*	38.8	215.6	27,700*	42.8	221.9	29,700	46.3	226.0	28,000				180
185	21.5	173.4	20,500*	28.1	191.0	22,700*	31.4	198.9	24,000*	36.2	209.0	26,200*	40.4	216.2	28,500	44.1	221.0	26,900	47.4	223.8	25,400	185
190	16.5	158.5	19,300*	24.4	180.7	21,500*	28.1	190.0	22,700*	33.4	201.7	24,800*	37.8	210.0	27,100*	41.7	215.5	25,800	45.1	218.9	24,300	190
195	9.0	135.7	17,200*	20.2	168.3	20,200*	24.5	179.7	21,500*	30.3	193.5	23,500*	35.1	203.1	25,700*	39.2	209.6	24,800	42.8	213.6	23,400	195
200				14.7	152.0	19,000*	20.2	167.3	20,300*	27.0	184.2	22,300*	32.2	195.5	24,300*	36.6	203.1	23,900	40.4	207.9	22,500	200
205				5.1	122.1	17,100*	14.8	151.1	19,100*	23.1	173.3	21,200*	29.0	186.9	23,100*	33.8	195.9	22,900	37.9	201.7	21,600	205
210							5.4	121.8	17,800*	18.6	159.9	20,000*	25.5	177.0	21,900*	30.8	187.8	22,100	35.2	194.9	20,700	210
215										12.5	141.4	18,800*	21.5	165.3	20,800*	27.5	178.7	21,200	32.3	187.2	19,900	215
220													16.5	150.4	19,600*	23.8	168.1	20,400	29.1	178.7	19,200	220
225													9.0	127.5	18,300*	19.4	155.2	19,700	25.6	168.9	18,500	225
230																13.6	137.9	18,900	21.6	157.2	17,700	230
235																			16.6	142.4	17,100	235
240																			9.3	119.9	16,400	240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

95 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.8	292.5	66,600*																			65
70	74.2	291.2	64,800*																			70
75	72.6	289.6	63,000*																			75
80	71.0	288.0	61,800*																			80
85	69.4	286.1	60,200*																			85
90	67.8	284.1	58,600*	70.6	286.2	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	56,600*													105
110	61.1	274.4	49,400*	64.0	277.6	51,900*	65.7	278.9	54,500*													110
115	59.4	271.5	46,100*	62.3	275.1	51,100*	64.0	276.5	52,500*													115
120	57.6	268.4	43,000*	60.6	272.3	48,500*	62.3	274.0	50,600*													120
125	55.8	265.0	40,300*	58.8	269.3	45,200*	60.6	271.2	48,500*													125
130	53.9	261.5	37,800*	57.1	266.2	42,200*	58.9	268.2	45,300*	61.8	270.6	48,800										130
135	52.0	257.6	35,500*	55.2	262.7	39,600*	57.1	265.1	42,300*	60.0	267.7	46,400										135
140	50.1	253.5	33,400*	53.4	259.1	37,100*	55.3	261.7	39,600*	58.3	264.7	44,200										140
145	48.1	249.1	31,500*	51.5	255.2	34,900*	53.4	258.0	37,200*	56.5	261.5	41,400*										145
150	46.0	244.4	29,700*	49.5	251.0	32,900*	51.5	254.1	35,000*	54.6	258.0	38,800*	57.6	260.3	38,100							150
155	43.8	239.3	28,100*	47.5	246.5	31,000*	49.5	249.9	32,900*	52.7	254.3	36,400*	55.8	256.9	36,300							155
160	41.6	233.8	26,500*	45.4	241.7	29,200*	47.5	245.5	31,000*	50.8	250.3	34,300*	53.9	253.4	34,700							160
165	39.2	227.9	25,100*	43.2	236.5	27,600*	45.4	240.6	29,300*	48.8	246.0	32,300*	52.0	249.5	33,200							165
170	36.8	221.4	23,800*	40.9	230.9	26,100*	43.2	235.5	27,700*	46.8	241.4	30,400*	50.1	245.4	31,800							170
175	34.1	214.3	22,500*	38.5	224.8	24,700*	41.0	229.8	26,200*	44.7	236.4	28,700*	48.0	241.0	30,500	51.1	243.9	28,800				175
180	31.3	206.4	21,400*	36.0	218.1	23,400*	38.6	223.7	24,800*	42.5	231.1	27,200*	46.0	236.3	29,300	49.2	239.6	27,600				180
185	28.3	197.5	20,200*	33.4	210.8	22,200*	36.1	217.1	23,500*	40.2	225.4	25,700*	43.8	231.2	28,100	47.1	235.1	26,500				185
190	24.8	187.3	19,100*	30.5	202.7	21,100*	33.4	209.8	22,200*	37.7	219.1	24,300*	41.6	225.7	26,600*	45.0	230.2	25,400				190
195	20.9	175.3	18,000*	27.3	193.4	20,000*	30.5	201.6	21,100*	35.2	212.2	23,100*	39.2	219.8	25,200*	42.8	224.9	24,400	46.0	228.0	22,900	195
200	16.0	159.9	16,900*	23.8	182.8	18,900*	27.4	192.5	20,000*	32.4	204.6	21,900*	36.8	213.3	23,800*	40.5	219.2	23,400	43.9	222.9	22,000	200
205	8.8	136.5	15,000*	19.6	170.0	17,800*	23.8	181.8	18,900*	29.5	196.2	20,700*	34.1	206.2	22,600*	38.1	213.1	22,500	41.6	217.5	21,100	205
210				14.3	153.2	16,700*	19.7	169.0	17,800*	26.2	186.6	19,700*	31.3	198.3	21,400*	35.6	206.3	21,700	39.3	211.5	20,300	210
215				4.9	122.5	15,000*	14.4	152.3	16,700*	22.5	175.3	18,600*	28.2	189.4	20,300*	32.9	198.8	20,800	36.8	205.0	19,500	215
220							5.2	122.2	15,600*	18.1	161.5	17,500*	24.8	179.2	19,300*	30.0	190.5	20,000	34.2	197.9	18,800	220
225										12.1	142.4	16,500*	20.9	167.1	18,300*	26.8	181.1	19,300	31.4	190.1	18,000	225
230													16.0	151.8	17,200*	23.1	170.2	18,600	28.3	181.2	17,400	230
235													8.8	128.2	16,100*	18.8	156.9	17,800*	24.9	171.1	16,700	235
240																13.2	139.0	16,800*	21.0	159.0	16,000	240
245																			16.1	143.8	15,400	245
250																			9.0	120.6	14,800	250

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	52,700*													110
115	61.0	283.1	45,000*	63.8	286.3	49,500*	65.4	287.6	50,800*													115
120	59.4	280.2	42,500*	62.2	283.7	47,200*	63.8	285.2	49,000*													120
125	57.7	277.1	39,700*	60.6	281.0	44,600*	62.2	282.6	47,200*													125
130	56.0	273.7	37,200*	58.9	278.0	41,700*	60.6	279.9	44,700*													130
135	54.2	270.2	35,000*	57.2	274.8	39,000*	58.9	276.9	41,800*	61.7	279.2	45,700*										135
140	52.4	266.4	32,900*	55.5	271.5	36,600*	57.2	273.7	39,100*	60.0	276.4	43,700*										140
145	50.6	262.4	30,900*	53.7	267.9	34,400*	55.5	270.4	36,600*	58.4	273.4	40,800*										145
150	48.7	258.1	29,200*	51.9	264.0	32,300*	53.7	266.8	34,400*	56.6	270.1	38,200*										150
155	46.8	253.5	27,500*	50.1	259.9	30,400*	51.9	262.9	32,400*	54.9	266.7	35,900*	57.7	269.0	35,800							155
160	44.7	248.6	26,000*	48.1	255.5	28,700*	50.1	258.8	30,500*	53.1	263.0	33,700*	56.0	265.6	34,200							160
165	42.7	243.3	24,600*	46.2	250.8	27,100*	48.2	254.4	28,700*	51.3	259.1	31,700*	54.2	262.1	32,700							165
170	40.5	237.5	23,200*	44.1	245.8	25,600*	46.2	249.8	27,100*	49.4	254.9	29,900*	52.4	258.3	31,300							170
175	38.2	231.4	22,000*	42.0	240.4	24,200*	44.2	244.7	25,600*	47.5	250.4	28,200*	50.6	254.3	30,000							175
180	35.8	224.6	20,800*	39.8	234.5	22,900*	42.1	239.3	24,200*	45.5	245.6	26,600*	48.7	250.0	28,800	51.6	252.7	27,100				180
185	33.2	217.3	19,700*	37.5	228.2	21,700*	39.9	233.5	22,900*	43.5	240.5	25,200*	46.7	245.4	27,600*	49.7	248.5	25,900				185
190	30.5	209.1	18,700*	35.1	221.3	20,500*	37.6	227.2	21,700*	41.3	234.9	23,800*	44.7	240.5	26,100*	47.8	244.1	24,900				190
195	27.5	200.0	17,700*	32.5	213.7	19,400*	35.1	220.3	20,500*	39.1	228.9	22,500*	42.6	235.2	24,600*	45.8	239.3	23,900				195
200	24.2	189.5	16,700*	29.7	205.3	18,400*	32.5	212.7	19,500*	36.7	222.4	21,300*	40.5	229.4	23,300*	43.8	234.2	22,900	46.8	237.1	21,500	200
205	20.4	177.0	15,700*	26.6	195.8	17,400*	29.7	204.3	18,400*	34.3	215.3	20,200*	38.2	223.3	22,000*	41.7	228.8	22,000	44.8	232.2	20,600	205
210	15.6	161.3	14,700*	23.1	184.8	16,500*	26.6	194.8	17,500*	31.6	207.5	19,100*	35.8	216.5	20,900*	39.5	222.8	21,200	42.7	226.9	19,800	210
215	8.6	137.2	13,000*	19.1	171.6	15,500*	23.2	183.9	16,500*	28.7	198.7	18,100*	33.2	209.2	19,800*	37.1	216.4	20,300	40.5	221.2	19,000	215
220				14.0	154.4	14,500*	19.2	170.7	15,500*	25.5	188.8	17,200*	30.5	201.0	18,700*	34.7	209.4	19,600	38.2	215.0	18,300	220
225				4.8	122.9	13,000*	14.0	153.6	14,600*	21.9	177.2	16,300*	27.5	191.8	17,800*	32.0	201.7	18,800	35.9	208.3	17,500	225
230							5.1	122.6	13,500*	17.6	163.0	15,300*	24.2	181.3	16,800*	29.2	193.1	18,100	33.3	200.9	16,900	230
235										11.8	143.4	14,300*	20.3	168.9	15,900*	26.1	183.4	17,400*	30.6	192.8	16,200	235
240													15.6	153.1	15,000*	22.5	172.1	16,400*	27.6	183.7	15,600	240
245													8.5	129.0	14,000*	18.3	158.5	15,600*	24.3	173.2	15,000	245
250																12.9	140.1	14,600*	20.4	160.8	14,400	250
255																			15.7	145.2	13,800	255
260																			8.8	121.4	13,200	260

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	67.8	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	120,100*b	67.8	180.5	128,100*b													60
65	48.2	170.0	103,500*	58.0	176.0	113,000*b	63.3	178.1	119,900*b													65
70	42.3	164.9	97,600*	53.0	172.4	106,700*	58.6	175.2	112,700*b													70
75	35.7	158.5	88,100*	47.6	168.1	101,200*	53.6	171.7	106,400*	62.5	175.0	105,500b										75
80	27.6	150.0	80,100*	41.6	162.9	96,300*	48.2	167.5	100,700*	57.7	172.0	97,300b										80
85	16.1	136.8	73,300*	34.8	156.3	87,100*	42.4	162.3	94,000	52.7	168.4	90,200										85
90				26.6	147.5	79,300*	35.7	155.9	87,500	47.3	164.0	84,000	56.6	167.8	80,500b							90
95				14.2	133.2	72,600*	27.7	147.5	80,200*	41.3	158.7	78,500	51.5	164.0	75,300							95
100							16.2	134.3	73,400*	34.5	152.0	73,600	46.0	159.5	70,600							100
105										26.1	143.1	69,200	39.9	153.9	66,400	50.0	158.6	63,600				105
110										13.2	128.2	65,200	32.8	146.8	62,600	44.3	153.7	60,000				110
115													23.8	137.1	59,200	37.9	147.8	56,700	47.9	152.0	54,300	115
120													7.5	117.9	55,900	30.4	140.1	53,700	42.0	146.8	51,500	120
125																20.5	129.1	51,000	35.3	140.3	48,800	125
130																			27.2	131.7	46,400	130
135																			15.3	118.1	44,100	135

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

105 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	70.7	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	110,000*b	66.9	189.2	116,700*b													65
70	49.8	179.0	95,600*	58.3	184.7	103,900*	62.9	186.7	109,800*b													70
75	44.9	174.2	88,400*	53.9	181.2	98,400*	58.8	183.8	103,600*													75
80	39.4	168.5	80,400*	49.3	177.1	93,400*	54.4	180.4	97,900*	62.2	183.6	96,700b										80
85	33.2	161.5	73,600*	44.3	172.2	87,500*	49.8	176.4	93,100*	58.0	180.6	89,700										85
90	25.8	152.3	67,700*	38.8	166.4	79,600*	44.9	171.7	87,100	53.7	177.1	83,500										90
95	15.0	138.1	62,600*	32.5	159.2	72,900*	39.4	166.0	80,500*	49.0	173.0	78,000	57.1	176.5	74,700							95
100				24.8	149.7	67,100*	33.3	158.9	73,700*	44.0	168.1	73,200	52.6	172.8	70,100							100
105				13.2	134.3	62,000*	25.8	149.8	67,800*	38.5	162.2	68,900	47.9	168.5	65,900							105
110							15.0	135.6	62,600*	32.1	154.9	64,900	42.8	163.4	62,200	51.3	167.4	59,400				110
115										24.3	145.2	61,300	37.1	157.3	58,800	46.5	162.9	56,200				115
120										12.3	129.2	58,000	30.5	149.5	55,700	41.2	157.6	53,200				120
125													22.2	139.0	52,800	35.3	151.0	50,500	44.6	156.1	48,300	125
130													7.0	118.5	50,000	28.4	142.7	48,000	39.1	150.4	45,900	130
135																19.1	130.8	45,600	32.9	143.2	43,700	135
140																			25.3	133.9	41,600	140
145																			14.2	119.3	39,600	145

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

105 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	73.0	204.4	124,800*b																			45
50	69.6	202.6	116,900*b																			50
55	66.1	200.5	109,900*b																			55
60	62.6	198.0	103,700*	69.2	201.0	114,200*b																60
65	58.9	195.1	98,200*	65.7	198.8	107,400*b																65
70	55.0	191.7	93,200*	62.2	196.3	101,300*	66.1	197.9	107,100*b													70
75	51.0	187.8	88,700*	58.5	193.4	96,100*	62.6	195.4	101,100*													75
80	46.7	183.3	80,600*	54.6	189.9	91,200*	58.9	192.5	95,800*													80
85	42.1	178.1	73,700*	50.5	186.0	86,900*	55.1	189.2	90,800*	62.0	192.3	89,200										85
90	37.0	171.9	67,800*	46.2	181.4	79,800*	51.0	185.3	86,600*	58.3	189.3	83,100										90
95	31.2	164.3	62,700*	41.6	176.1	73,100*	46.8	180.8	80,700*	54.4	185.9	77,700										95
100	24.2	154.4	58,200*	36.4	169.7	67,300*	42.1	175.6	73,800*	50.3	181.9	72,800	57.4	185.1	69,600							100
105	14.1	139.3	54,200*	30.5	161.9	62,200*	37.1	169.3	67,900*	46.0	177.3	68,500	53.5	181.6	65,500							105
110				23.3	151.7	57,700*	31.3	161.7	62,800*	41.3	171.9	64,600	49.4	177.5	61,800							110
115				12.4	135.4	53,800*	24.2	151.9	58,300*	36.1	165.5	61,100	45.0	172.7	58,400	52.3	176.3	55,800				115
120							14.1	136.8	54,200*	30.2	157.6	57,900	40.2	167.1	55,300	48.1	172.0	52,800				120
125										22.8	147.2	54,900	34.9	160.4	52,500	43.6	167.0	50,100				125
130										11.5	130.2	52,100	28.7	152.1	49,900	38.7	161.1	47,700	46.5	165.3	45,500	130
135													20.9	140.8	47,500	33.2	154.0	45,400	41.9	160.0	43,300	135
140													6.5	119.0	45,200	26.7	145.0	43,300	36.8	153.7	41,300	140
145																18.0	132.3	41,200	30.9	146.0	39,400	145
150																			23.8	136.0	37,600	150
155																			13.4	120.4	35,900	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.7	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	98,800*																70
75	55.6	200.4	86,400*	61.9	205.0	93,500*	65.5	206.6	98,400*													75
80	52.0	196.7	80,500*	58.6	202.0	88,800*	62.3	204.1	93,300*													80
85	48.2	192.4	73,600*	55.2	198.7	84,500*	59.0	201.2	88,600*													85
90	44.2	187.5	67,600*	51.6	194.8	79,700*	55.6	197.9	84,300*	61.8	200.9	82,500										90
95	39.8	181.8	62,500*	47.8	190.5	72,900*	52.0	194.1	80,400*	58.4	198.0	77,100										95
100	35.0	175.0	58,000*	43.7	185.5	67,100*	48.2	189.8	73,700*	55.0	194.6	72,300										100
105	29.6	166.9	54,000*	39.3	179.7	62,000*	44.2	184.9	67,700*	51.4	190.8	68,000	57.7	193.8	64,900							105
110	22.9	156.4	50,400*	34.5	172.8	57,500*	39.9	179.2	62,600*	47.6	186.4	64,100	54.2	190.3	61,200							110
115	13.3	140.4	47,200*	28.9	164.5	53,600*	35.1	172.5	58,100*	43.5	181.3	60,600	50.5	186.4	57,800							115
120				22.0	153.6	50,100*	29.6	164.4	54,100*	39.1	175.5	57,400	46.7	181.9	54,800							120
125				11.7	136.3	46,900*	22.9	153.9	50,500*	34.2	168.6	54,500	42.5	176.7	52,000	49.4	180.9	49,500				125
130							13.3	137.9	47,200*	28.6	160.1	51,800	38.0	170.6	49,400	45.5	176.2	47,100				130
135										21.6	149.1	49,300	33.0	163.4	47,100	41.3	170.8	44,800	48.0	174.3	42,700	135
140										10.9	131.1	46,800*	27.2	154.5	44,900	36.6	164.4	42,700	44.0	169.4	40,700	140
145													19.7	142.6	42,800	31.4	156.8	40,800	39.6	163.6	38,800	145
150													6.1	119.4	40,800	25.2	147.2	39,000	34.8	156.8	37,100	150
155																17.0	133.8	37,200	29.3	148.6	35,500	155
160																			22.5	138.0	33,900	160
165																			12.6	121.5	32,400	165

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

105 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	73.4	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	91,100*	67.9	217.5	95,800*													75
80	56.0	209.1	80,300*	61.8	213.6	86,600*	65.0	215.3	90,800*													80
85	52.7	205.5	75,700*	58.7	210.7	82,500*	62.1	212.7	86,300*													85
90	49.4	201.3	69,500*	55.6	207.4	78,700*	59.1	209.8	82,200*													90
95	45.8	196.6	64,200*	52.4	203.7	75,000*	56.0	206.6	78,500*	61.6	209.6	76,600										95
100	42.0	191.3	59,500*	49.0	199.5	68,900*	52.8	202.9	75,100*	58.6	206.7	71,800										100
105	37.9	185.2	55,400*	45.4	194.7	63,700*	49.4	198.8	69,600*	55.5	203.3	67,500										105
110	33.3	178.1	51,700*	41.5	189.3	59,100*	45.8	194.1	64,300*	52.2	199.6	63,600	57.9	202.5	60,700							110
115	28.1	169.4	48,400*	37.4	183.1	55,000*	42.0	188.8	59,600*	48.8	195.4	60,200	54.7	199.1	57,300							115
120	21.8	158.3	45,500*	32.8	175.8	51,400*	37.9	182.7	55,500*	45.2	190.6	57,000	51.4	195.2	54,300							120
125	12.6	141.5	42,500*	27.5	166.9	48,100*	33.3	175.5	51,800*	41.3	185.1	54,100	48.0	190.9	51,500							125
130				21.0	155.5	45,200*	28.2	166.9	48,500*	37.2	178.9	51,400	44.3	186.0	49,000	50.5	189.8	46,600				130
135				11.1	137.3	42,500*	21.8	155.8	45,500*	32.5	171.5	48,900	40.4	180.4	46,600	47.0	185.3	44,300				135
140							12.7	139.0	42,800*	27.2	162.5	46,700	36.2	173.9	44,400	43.2	180.2	42,300				140
145										20.6	150.9	44,500	31.4	166.2	42,400	39.2	174.4	40,300	45.6	178.6	38,300	145
150										10.3	131.9	42,400*	25.8	156.8	40,500	34.8	167.6	38,500	41.8	173.2	36,600	150
155													18.8	144.2	38,700	29.9	159.5	36,900	37.7	167.1	35,000	155
160													5.8	119.9	37,000	24.0	149.4	35,300	33.1	159.8	33,500	160
165																16.2	135.2	33,800	27.8	151.1	32,100	165
170																			21.4	139.9	30,800	170
175																			12.0	122.5	29,400	175

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.8	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	88,700*																75
80	59.2	221.1	78,300*	64.3	224.9	84,400*	67.2	226.3	88,400*													80
85	56.3	217.8	74,800*	61.6	222.3	80,400*	64.6	224.0	84,100*													85
90	53.4	214.2	69,100*	58.8	219.4	76,700*	61.9	221.4	80,100*													90
95	50.3	210.2	63,800*	56.0	216.1	73,400*	59.2	218.5	76,400*													95
100	47.1	205.7	59,100*	53.0	212.4	68,500*	56.3	215.3	73,200*	61.5	218.3	71,300										100
105	43.7	200.7	55,000*	50.0	208.4	63,300*	53.4	211.7	69,200*	58.7	215.3	67,000										105
110	40.1	195.0	51,300*	46.7	203.8	58,700*	50.3	207.7	63,900*	55.8	212.0	63,100										110
115	36.2	188.5	48,000*	43.3	198.7	54,600*	47.1	203.2	59,200*	52.9	208.4	59,600										115
120	31.8	180.9	45,100*	39.7	192.9	51,000*	43.7	198.1	55,100*	49.8	204.3	56,500	55.2	207.8	53,700							120
125	26.9	171.8	42,400*	35.7	186.3	47,700*	40.1	192.5	51,400*	46.6	199.7	53,600	52.2	204.0	51,000							125
130	20.8	160.2	39,900*	31.3	178.6	44,800*	36.2	186.0	48,100*	43.1	194.6	50,900	49.1	199.8	48,400							130
135	12.1	142.5	37,400*	26.3	169.3	42,100*	31.9	178.4	45,100*	39.5	188.8	48,500	45.8	195.2	46,100	51.3	198.7	43,800				135
140				20.0	157.2	39,700*	26.9	169.3	42,400*	35.5	182.1	46,200	42.3	189.9	43,900	48.2	194.3	41,700				140
145				10.6	138.2	37,400*	20.9	157.6	40,000*	31.1	174.3	44,100	38.6	183.9	41,900	44.8	189.5	39,800				145
150							12.1	140.0	37,700*	26.0	164.8	42,000*	34.6	177.0	40,100	41.3	184.0	38,000	46.9	187.7	36,000	150
155										19.6	152.6	39,600*	30.0	168.9	38,300	37.5	177.8	36,400	43.5	182.6	34,400	155
160										9.9	132.7	37,300*	24.7	159.0	36,700	33.3	170.6	34,800	39.9	176.9	33,000	160
165													17.9	145.7	35,100	28.6	162.0	33,300	36.0	170.3	31,600	165
170													5.5	120.3	33,600	22.9	151.4	32,000	31.6	162.7	30,300	170
175																15.4	136.5	30,600	26.6	153.5	29,000	175
180																			20.5	141.6	27,800	180
185																			11.5	123.4	26,700	185

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	76.0	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	82,400*																80
85	59.2	229.7	73,100*	64.0	233.6	78,600*	66.7	235.0	82,100*													85
90	56.6	226.5	69,100*	61.5	230.9	75,100*	64.3	232.7	78,300*													90
95	53.9	223.0	63,700*	58.9	228.0	71,800*	61.8	230.1	74,800*													95
100	51.1	219.1	59,000*	56.3	224.8	68,400*	59.2	227.2	71,500*													100
105	48.2	214.7	54,900*	53.6	221.2	63,200*	56.6	224.0	68,600*	61.4	226.9	66,700										105
110	45.1	209.9	51,200*	50.8	217.2	58,600*	53.9	220.4	63,800*	58.8	224.0	62,900										110
115	41.9	204.6	47,900*	47.9	212.9	54,500*	51.1	216.5	59,100*	56.2	220.7	59,400										115
120	38.4	198.5	44,900*	44.8	208.0	50,800*	48.2	212.2	54,900*	53.5	217.1	56,300										120
125	34.7	191.6	42,200*	41.5	202.5	47,600*	45.2	207.4	51,300*	50.6	213.1	53,400	55.6	216.5	50,700							125
130	30.5	183.6	39,800*	38.0	196.4	44,600*	41.9	202.0	48,000*	47.7	208.7	50,700	52.8	212.8	48,200							130
135	25.8	174.1	37,500*	34.2	189.4	42,000*	38.5	196.0	45,000*	44.6	203.8	48,300	50.0	208.8	45,900							135
140	20.0	161.9	35,500*	30.0	181.3	39,500*	34.7	189.1	42,300*	41.3	198.4	46,100	47.0	204.2	43,700	52.0	207.5	41,500				140
145	11.6	143.5	33,300*	25.2	171.5	37,300*	30.6	181.1	39,800*	37.8	192.2	44,000	43.9	199.2	41,800	49.1	203.3	39,600				145
150				19.2	158.9	35,300*	25.8	171.6	37,600*	34.0	185.2	41,900*	40.6	193.6	39,900	46.1	198.6	37,800				150
155				10.2	139.0	33,400*	20.0	159.4	35,500*	29.8	177.0	39,500*	37.0	187.3	38,200	43.0	193.4	36,200				155
160							11.6	141.0	33,600*	24.9	167.0	37,200*	33.1	180.0	36,600	39.6	187.6	34,600	45.0	191.8	32,800	160
165										18.8	154.2	35,200*	28.8	171.5	35,000	35.9	181.0	33,200	41.7	186.4	31,400	165
170										9.5	133.5	33,300*	23.7	161.1	33,600	31.9	173.5	31,800	38.3	180.4	30,100	170
175													17.2	147.2	32,200	27.4	164.5	30,500	34.5	173.4	28,900	175
180													5.3	120.7	30,900	22.0	153.3	29,300	30.3	165.4	27,700	180
185																14.8	137.8	28,100	25.5	155.7	26,600	185
190																			19.6	143.4	25,500	190
195																			11.0	124.4	24,500	195

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.9	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	76,500*																85
90	59.3	238.4	68,200*	63.7	242.3	73,100*	66.2	243.7	76,200*													90
95	56.9	235.2	63,300*	61.4	239.6	69,900*	64.0	241.4	72,800*													95
100	54.4	231.7	58,600*	59.0	236.7	67,000*	61.7	238.7	69,600*													100
105	51.8	227.9	54,400*	56.6	233.5	62,700*	59.3	235.8	66,700*													105
110	49.1	223.7	50,700*	54.1	229.9	58,100*	56.9	232.7	63,300*	61.3	235.6	62,400										110
115	46.3	219.1	47,400*	51.5	226.1	54,000*	54.4	229.2	58,600*	58.9	232.7	58,900										115
120	43.4	213.9	44,500*	48.8	221.8	50,400*	51.8	225.3	54,500*	56.5	229.4	55,700										120
125	40.3	208.2	41,800*	46.0	217.1	47,100*	49.1	221.1	50,800*	53.9	225.9	52,900										125
130	37.0	201.9	39,300*	43.1	212.0	44,200*	46.3	216.5	47,500*	51.4	222.0	50,200	55.9	225.2	47,700							130
135	33.4	194.6	37,100*	39.9	206.2	41,500*	43.4	211.4	44,500*	48.7	217.7	47,800	53.4	221.6	45,400							135
140	29.4	186.3	35,000*	36.6	199.7	39,100*	40.3	205.7	41,800*	45.8	213.0	45,600	50.8	217.6	43,200							140
145	24.8	176.3	33,100*	32.9	192.4	36,900*	37.0	199.3	39,400*	42.9	207.8	43,500	48.0	213.3	41,200	52.6	216.3	39,000				145
150	19.2	163.6	31,300*	28.9	183.9	34,800*	33.4	192.1	37,100*	39.8	202.0	41,400*	45.2	208.4	39,400	50.0	212.2	37,300				150
155	11.1	144.4	29,600*	24.2	173.6	32,900*	29.4	183.7	35,100*	36.4	195.5	39,000*	42.2	203.1	37,700	47.2	207.7	35,600				155
160				18.5	160.5	31,200*	24.8	173.7	33,200*	32.7	188.1	36,800*	39.0	197.2	36,100	44.3	202.7	34,100				160
165				9.8	139.8	29,500*	19.3	161.1	31,400*	28.7	179.5	34,800*	35.6	190.5	34,600	41.3	197.2	32,700	46.2	201.0	30,800	165
170							11.2	142.0	29,700*	24.0	169.2	32,900*	31.9	182.9	33,100	38.1	191.1	31,300	43.2	195.8	29,500	170
175										18.1	155.8	31,100*	27.7	173.9	31,800	34.6	184.2	30,000	40.1	190.1	28,300	175
180										9.1	134.3	29,500*	22.8	163.1	30,500	30.7	176.2	28,800	36.8	183.7	27,200	180
185													16.6	148.7	29,300	26.4	166.8	27,700	33.2	176.4	26,100	185
190													5.1	121.1	28,100	21.2	155.2	26,600	29.2	168.0	25,100	190
195																14.2	139.0	25,600	24.6	157.9	24,100	195
200																			18.9	145.0	23,100	200
205																			10.6	125.2	22,200	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	74,100*																85
90	61.5	249.9	66,300*	65.6	253.4	70,900*	67.9	254.6	73,700*													90
95	59.3	247.1	63,600*	63.5	250.9	68,000*	65.8	252.4	70,600*													95
100	57.1	243.9	59,600*	61.3	248.3	65,200*	63.7	250.0	67,600*													100
105	54.8	240.4	55,300*	59.1	245.3	62,600*	61.5	247.4	64,900*													105
110	52.4	236.7	51,500*	56.8	242.2	59,100*	59.3	244.5	62,300*													110
115	49.9	232.6	48,100*	54.5	238.7	54,900*	57.1	241.3	59,700*	61.2	244.3	58,400										115
120	47.3	228.1	45,100*	52.1	234.9	51,200*	54.8	237.9	55,400*	59.0	241.3	55,300										120
125	44.7	223.2	42,300*	49.6	230.7	47,800*	52.4	234.1	51,600*	56.7	238.1	52,400										125
130	41.8	217.8	39,800*	47.0	226.2	44,800*	49.9	230.0	48,200*	54.4	234.6	49,800										130
135	38.9	211.8	37,500*	44.3	221.2	42,100*	47.3	225.6	45,100*	52.0	230.8	47,400	56.2	233.9	44,900							135
140	35.7	205.1	35,400*	41.5	215.8	39,600*	44.7	220.6	42,400*	49.5	226.6	45,100	53.8	230.3	42,700							140
145	32.2	197.5	33,500*	38.5	209.7	37,300*	41.8	215.2	39,900*	46.9	222.1	43,100	51.4	226.5	40,800							145
150	28.4	188.8	31,700*	35.3	202.9	35,200*	38.9	209.2	37,600*	44.2	217.1	41,100	48.9	222.2	38,900							150
155	23.9	178.4	29,900*	31.8	195.2	33,300*	35.7	202.6	35,500*	41.4	211.6	39,300	46.3	217.6	37,200	50.7	221.0	35,100				155
160	18.6	165.2	28,100*	27.9	186.3	31,500*	32.2	195.0	33,500*	38.3	205.5	37,200*	43.6	212.5	35,600	48.2	216.7	33,600				160
165	10.7	145.4	25,500*	23.4	175.7	29,800*	28.4	186.3	31,700*	35.1	198.7	35,100*	40.7	206.8	34,100	45.5	211.9	32,200				165
170				17.8	162.0	28,100*	24.0	175.9	30,100*	31.6	190.9	33,200*	37.6	200.6	32,700	42.8	206.7	30,800	47.2	210.0	29,000	170
175				9.4	140.6	26,300*	18.6	162.7	28,400*	27.7	182.0	31,500*	34.4	193.6	31,400	39.8	200.9	29,600	44.5	205.1	27,800	175
180							10.8	142.9	26,600*	23.1	171.2	29,800*	30.8	185.6	30,100	36.7	194.4	28,400	41.7	199.7	26,700	180
185										17.5	157.3	28,200*	26.7	176.3	29,000	33.3	187.2	27,300	38.7	193.6	25,600	185
190										8.8	135.0	26,400*	22.0	165.0	27,800	29.6	178.9	26,200	35.5	186.9	24,600	190
195													16.0	150.0	26,700	25.4	169.1	25,200	32.0	179.3	23,700	195
200													4.9	121.5	25,600	20.4	156.9	24,200	28.2	170.5	22,700	200
205																13.7	140.2	23,300	23.7	160.0	21,900	205
210																			18.2	146.6	21,000	210
215																			10.2	126.1	20,200	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

105 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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	68,900*																90
95	61.4	258.6	62,000*	65.2	262.1	66,100*	67.4	263.4	68,500*													95
100	59.4	255.7	59,100*	63.2	259.6	63,400*	65.5	261.1	65,700*													100
105	57.3	252.6	54,800*	61.2	256.9	60,900*	63.5	258.7	63,100*													105
110	55.1	249.2	51,000*	59.1	254.0	58,600*	61.5	256.0	60,600*													110
115	52.9	245.5	47,600*	57.0	250.8	54,400*	59.4	253.2	58,300*													115
120	50.6	241.5	44,600*	54.8	247.4	50,600*	57.3	250.0	54,900*	61.1	252.9	54,700										120
125	48.2	237.1	41,800*	52.6	243.7	47,300*	55.1	246.6	51,100*	59.0	250.0	51,900										125
130	45.7	232.4	39,300*	50.3	239.6	44,300*	52.9	242.9	47,700*	56.9	246.8	49,300										130
135	43.1	227.2	37,000*	47.9	235.2	41,500*	50.6	238.9	44,600*	54.7	243.3	46,900										135
140	40.4	221.5	34,900*	45.4	230.4	39,000*	48.2	234.5	41,800*	52.5	239.6	44,600	56.4	242.6	42,200							140
145	37.6	215.2	33,000*	42.8	225.2	36,800*	45.7	229.8	39,300*	50.2	235.5	42,600	54.2	239.1	40,200							145
150	34.5	208.2	31,200*	40.1	219.4	34,700*	43.2	224.6	37,000*	47.8	231.1	40,600	52.0	235.3	38,400							150
155	31.1	200.3	29,500*	37.2	213.1	32,800*	40.4	218.9	34,900*	45.3	226.3	38,900	49.7	231.1	36,700							155
160	27.4	191.2	28,000*	34.1	206.0	31,000*	37.6	212.7	33,000*	42.7	221.0	36,700*	47.2	226.6	35,100	51.3	229.9	33,100				160
165	23.2	180.4	26,400*	30.7	198.0	29,300*	34.5	205.7	31,200*	40.0	215.3	34,600*	44.7	221.7	33,600	49.0	225.6	31,600				165
170	17.9	166.8	24,900*	27.0	188.7	27,800*	31.2	197.8	29,500*	37.1	208.9	32,700*	42.1	216.3	32,200	46.5	221.0	30,300				170
175	10.4	146.2	22,500*	22.6	177.7	26,400*	27.4	188.7	28,000*	33.9	201.7	30,900*	39.3	210.4	30,900	44.0	216.0	29,100				175
180				17.3	163.5	24,800*	23.2	177.9	26,600*	30.5	193.7	29,300*	36.4	203.9	29,700	41.3	210.5	27,900	45.6	214.3	26,100	180
185				9.1	141.4	23,200*	18.0	164.2	25,100*	26.8	184.3	27,800*	33.2	196.6	28,500	38.5	204.4	26,800	43.0	209.1	25,100	185
190							10.4	143.8	23,500*	22.4	173.2	26,300*	29.7	188.3	27,400	35.5	197.6	25,700	40.3	203.4	24,100	190
195										16.9	158.8	24,900*	25.8	178.6	26,300	32.2	190.1	24,700	37.4	197.0	23,100	195
200										8.5	135.7	23,300*	21.3	166.9	25,300	28.7	181.4	23,700	34.3	190.0	22,200	200
205													15.4	151.4	24,300	24.6	171.2	22,800	31.0	182.1	21,400	205
210													4.7	121.9	23,000*	19.8	158.7	21,900	27.2	172.9	20,500	210
215																13.3	141.3	21,100				215
220																			17.6	148.1	19,000	220
225																			9.8	126.9	18,200	225

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	64,400*																95
100	61.4	267.3	58,100*	64.9	270.8	61,800*	67.0	272.1	64,000*													100
105	59.4	264.4	54,500*	63.1	268.3	59,400*	65.2	269.8	61,500*													105
110	57.4	261.3	50,700*	61.1	265.6	57,100*	63.3	267.4	59,100*													110
115	55.4	257.9	47,300*	59.2	262.7	54,100*	61.4	264.7	56,900*													115
120	53.3	254.2	44,300*	57.2	259.5	50,300*	59.4	261.8	54,600*	63.0	264.3	54,500										120
125	51.2	250.3	41,500*	55.2	256.1	47,000*	57.4	258.7	50,800*	61.0	261.6	51,600										125
130	48.9	246.0	39,000*	53.1	252.4	44,000*	55.4	255.3	47,400*	59.1	258.6	49,000										130
135	46.7	241.4	36,700*	50.9	248.5	41,200*	53.3	251.7	44,300*	57.1	255.5	46,600										135
140	44.3	236.4	34,600*	48.7	244.2	38,700*	51.2	247.7	41,600*	55.0	252.1	44,400										140
145	41.8	231.0	32,700*	46.4	239.5	36,500*	49.0	243.5	39,000*	53.0	248.4	42,300	56.6	251.3	39,900							145
150	39.2	225.1	30,900*	44.0	234.5	34,400*	46.7	238.9	36,700*	50.8	244.4	40,400	54.6	247.8	38,100							150
155	36.4	218.5	29,200*	41.5	229.0	32,500*	44.3	233.9	34,600*	48.6	240.1	38,600	52.5	244.1	36,400							155
160	33.4	211.2	27,700*	38.9	223.0	30,700*	41.8	228.5	32,700*	46.3	235.4	36,400*	50.3	240.0	34,800							160
165	30.2	203.0	26,200*	36.1	216.4	29,000*	39.2	222.5	30,900*	43.9	230.3	34,300*	48.1	235.6	33,400	51.9	238.7	31,400				165
170	26.6	193.6	24,900*	33.1	209.0	27,500*	36.4	216.0	29,200*	41.4	224.8	32,400*	45.7	230.9	32,000	49.7	234.6	30,000				170
175	22.4	182.4	23,500*	29.8	200.7	26,100*	33.4	208.7	27,700*	38.7	218.8	30,600*	43.3	225.7	30,700	47.4	230.1	28,800				175
180	17.4	168.3	22,100*	26.1	191.1	24,800*	30.2	200.5	26,300*	35.9	212.1	29,000*	40.8	220.1	29,400	45.1	225.2	27,600				180
185	10.0	147.1	20,100*	21.9	179.6	23,500*	26.6	191.1	24,900*	32.9	204.7	27,500*	38.1	213.9	28,300	42.6	219.9	26,500	46.5	223.4	24,800	185
190				16.7	165.0	22,100*	22.5	179.9	23,700*	29.6	196.3	26,100*	35.3	207.1	27,200	40.0	214.1	25,500	44.2	218.4	23,800	190
195				8.8	142.1	20,700*	17.4	165.8	22,300*	25.9	186.6	24,700*	32.2	199.5	26,100	37.3	207.8	24,500	41.7	212.9	22,900	195
200							10.1	144.6	20,900*	21.7	175.1	23,500*	28.8	190.8	25,100	34.4	200.8	23,500	39.0	206.9	22,000	200
205										16.4	160.2	22,200*	25.0	180.8	24,200	31.2	192.9	22,600	36.2	200.3	21,100	205
210										8.2	136.4	20,800*	20.6	168.7	23,200*	27.8	183.9	21,800	33.3	193.0	20,300	210
215													15.0	152.7	22,000*	23.8	173.3	20,900	30.0	184.7	19,500	215
220													4.6	122.2	20,500*	19.2	160.3	20,100	26.4	175.2	18,800	220
225																12.9	142.4	19,400	22.2	163.9	18,100	225
230																			17.1	149.6	17,400	230
235																			9.5	127.7	16,700	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	59,200*																100
105	61.3	275.9	54,000*	64.7	279.5	57,700*	66.6	280.8	59,500*													105
110	59.4	273.0	50,200*	62.9	277.0	55,500*	64.9	278.5	57,300*													110
115	57.6	269.9	46,800*	61.1	274.3	53,500*	63.1	276.1	55,200*													115
120	55.7	266.6	43,700*	59.2	271.3	49,800*	61.3	273.4	53,200*													120
125	53.7	263.0	41,000*	57.4	268.2	46,500*	59.5	270.5	50,300*	62.8	273.0	51,100										125
130	51.7	259.1	38,500*	55.4	264.8	43,400*	57.6	267.4	46,900*	61.0	270.2	48,500										130
135	49.6	255.0	36,200*	53.5	261.2	40,700*	55.7	264.0	43,800*	59.1	267.3	46,100										135
140	47.5	250.5	34,100*	51.4	257.3	38,200*	53.7	260.4	41,000*	57.3	264.2	43,900										140
145	45.3	245.6	32,100*	49.4	253.1	35,900*	51.7	256.6	38,500*	55.3	260.8	41,800										145
150	43.0	240.4	30,300*	47.2	248.6	33,800*	49.6	252.4	36,200*	53.4	257.1	39,900	56.8	260.0	37,600							150
155	40.5	234.7	28,700*	45.0	243.7	31,900*	47.5	247.9	34,100*	51.3	253.2	38,100*	54.9	256.5	35,900							155
160	38.0	228.5	27,100*	42.7	238.4	30,200*	45.3	243.1	32,200*	49.3	249.0	35,900*	52.9	252.8	34,300							160
165	35.3	221.7	25,700*	40.3	232.7	28,500*	43.0	237.9	30,400*	47.1	244.5	33,800*	50.9	248.8	32,800							165
170	32.4	214.1	24,400*	37.7	226.4	27,000*	40.6	232.2	28,700*	44.9	239.6	31,900*	48.8	244.6	31,500	52.3	247.5	29,500				170
175	29.3	205.6	23,100*	35.0	219.5	25,600*	38.0	226.0	27,200*	42.6	234.3	30,100*	46.6	240.0	30,200	50.3	243.4	28,300				175
180	25.8	195.9	21,900*	32.1	211.9	24,200*	35.3	219.2	25,700*	40.1	228.5	28,500*	44.4	235.0	28,900	48.2	239.1	27,100				180
185	21.8	184.3	20,700*	28.9	203.2	23,000*	32.4	211.6	24,400*	37.6	222.2	26,900*	42.0	229.6	27,800	46.0	234.3	26,000				185
190	16.9	169.7	19,500*	25.4	193.3	21,800*	29.3	203.1	23,100*	34.9	215.3	25,500*	39.6	223.7	26,700	43.7	229.2	24,900	47.4	232.4	23,300	190
195	9.8	147.9	17,600*	21.3	181.5	20,700*	25.8	193.3	22,000*	31.9	207.6	24,200*	37.0	217.3	25,600	41.3	223.7	24,000	45.1	227.6	22,300	195
200				16.2	166.4	19,500*	21.8	181.8	20,900*	28.7	198.9	23,000*	34.2	210.2	24,600	38.8	217.7	23,000	42.8	222.3	21,400	200
205				8.6	142.9	18,200*	16.9	167.2	19,700*	25.2	188.9	21,800*	31.2	202.3	23,700	36.2	211.1	22,100	40.4	216.6	20,600	205
210							9.8	145.5	18,400*	21.1	176.9	20,700*	28.0	193.3	22,700*	33.4	203.8	21,300	37.9	210.4	19,800	210
215										15.9	161.6	19,500*	24.3	182.9	21,600*	30.3	195.6	20,500	35.2	203.5	19,000	215
220										8.0	137.1	18,300*	20.0	170.4	20,500*	27.0	186.3	19,700	32.3	195.9	18,300	220
225													14.5	153.9	19,300*	23.1	175.4	18,900	29.1	187.3	17,600	225
230													4.4	122.6	18,000*	18.6	162.0	18,200	25.6	177.5	16,900	230
235																12.5	143.5	17,500	21.6	165.8	16,200	235
240																			16.6	151.1	15,600	240
245																			9.3	128.5	15,000	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	54,300*	67.9	291.7	57,800*													105
110	61.2	284.6	49,700*	64.4	288.2	53,200*	66.3	289.6	55,700*													110
115	59.5	281.7	46,300*	62.7	285.6	52,100*	64.6	287.2	53,700*													115
120	57.7	278.6	43,200*	61.0	282.9	49,300*	62.9	284.7	51,800*													120
125	55.9	275.3	40,500*	59.3	280.0	46,000*	61.2	282.0	49,800*													125
130	54.0	271.7	38,000*	57.5	276.9	42,900*	59.5	279.1	46,400*	62.6	281.6	48,000										130
135	52.1	267.9	35,700*	55.7	273.5	40,200*	57.7	276.0	43,300*	60.9	278.9	45,600										135
140	50.2	263.8	33,600*	53.8	269.9	37,700*	55.9	272.7	40,500*	59.2	276.0	43,400										140
145	48.2	259.5	31,600*	51.9	266.1	35,400*	54.0	269.2	38,000*	57.4	272.8	41,400										145
150	46.1	254.8	29,800*	50.0	262.0	33,400*	52.2	265.4	35,700*	55.6	269.5	39,500										150
155	44.0	249.7	28,200*	48.0	257.6	31,400*	50.2	261.3	33,600*	53.7	265.9	37,600*	57.0	268.7	35,400							155
160	41.7	244.2	26,600*	45.9	252.8	29,700*	48.2	256.9	31,700*	51.8	262.0	35,400*	55.2	265.2	33,900							160
165	39.4	238.3	25,200*	43.7	247.7	28,000*	46.1	252.2	29,900*	49.9	257.9	33,300*	53.3	261.6	32,400							165
170	36.9	231.9	23,900*	41.5	242.2	26,500*	44.0	247.1	28,200*	47.9	253.5	31,400*	51.4	257.7	31,000							170
175	34.3	224.8	22,600*	39.1	236.3	25,100*	41.8	241.7	26,700*	45.8	248.7	29,600*	49.4	253.5	29,700	52.8	256.3	27,800				175
180	31.5	217.0	21,400*	36.7	229.7	23,700*	39.4	235.8	25,200*	43.6	243.6	28,000*	47.4	249.0	28,500	50.8	252.3	26,600				180
185	28.5	208.2	20,300*	34.0	222.6	22,500*	37.0	229.3	23,900*	41.4	238.1	26,400*	45.3	244.2	27,300	48.8	248.0	25,500				185
190	25.1	198.1	19,300*	31.2	214.7	21,300*	34.3	222.3	22,700*	39.0	232.1	25,000*	43.1	238.9	26,300	46.8	243.4	24,500				190
195	21.2	186.2	18,200*	28.1	205.7	20,200*	31.5	214.4	21,500*	36.5	225.5	23,700*	40.9	233.3	25,200	44.7	238.5	23,500				195
200	16.4	171.2	17,100*	24.7	195.5	19,200*	28.5	205.6	20,400*	33.9	218.3	22,500*	38.5	227.2	24,200	42.5	233.1	22,600	46.0	236.7	21,000	200
205	9.5	148.7	15,400*	20.7	183.3	18,200*	25.1	195.6	19,300*	31.0	210.3	21,300*	36.0	220.5	23,300	40.2	227.4	21,700	43.9	231.6	20,200	205
210				15.8	167.8	17,100*	21.2	183.7	18,300*	27.9	201.4	20,200*	33.3	213.2	22,200*	37.8	221.1	20,900	41.6	226.1	19,300	210
215				8.3	143.6	15,900*	16.4	168.7	17,300*	24.5	191.0	19,200*	30.4	205.0	21,100*	35.2	214.2	20,100	39.3	220.2	18,600	215
220							9.5	146.3	16,100*	20.5	178.7	18,200*	27.2	195.7	20,000*	32.5	206.7	19,300	36.8	213.7	17,900	220
225										15.5	162.9	17,200*	23.6	185.0	19,000*	29.5	198.2	18,500	34.2	206.6	17,200	225
230										7.7	137.7	16,000*	19.5	172.1	18,000*	26.2	188.6	17,800	31.4	198.7	16,500	230
235													14.1	155.2	17,000*	22.5	177.4	17,200	28.3	189.9	15,800	235
240													4.3	122.9	15,800*	18.1	163.5	16,500	24.9	179.7	15,200	240
245																12.2	144.5	15,800	21.0	167.7	14,600	245
250																			16.1	152.5	14,000	250
255																			9.0	129.3	13,500	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	51,200*	67.5	300.5	53,700*													110
115	61.2	293.3	45,300*	64.2	296.8	50,200*	66.0	298.3	51,900*													115
120	59.5	290.4	42,700*	62.6	294.3	47,800*	64.4	295.9	50,100*													120
125	57.8	287.3	39,900*	61.0	291.6	45,400*	62.8	293.4	48,000*													125
130	56.1	284.0	37,400*	59.3	288.7	42,400*	61.2	290.7	45,700*													130
135	54.3	280.5	35,100*	57.6	285.5	39,700*	59.5	287.8	42,800*	62.5	290.3	45,100										135
140	52.6	276.7	33,000*	55.9	282.2	37,200*	57.8	284.7	40,000*	60.9	287.6	42,900										140
145	50.7	272.7	31,100*	54.1	278.7	34,900*	56.1	281.4	37,500*	59.2	284.6	40,900										145
150	48.8	268.4	29,300*	52.4	274.9	32,800*	54.4	277.9	35,200*	57.5	281.5	39,000										150
155	46.9	263.8	27,600*	50.5	270.9	30,900*	52.6	274.1	33,100*	55.8	278.2	37,100*										155
160	44.9	258.9	26,100*	48.6	266.5	29,100*	50.7	270.1	31,100*	54.1	274.6	34,800*	57.2	277.3	33,300							160
165	42.8	253.6	24,700*	46.7	261.9	27,500*	48.8	265.9	29,300*	52.3	270.8	32,700*	55.4	273.9	31,900							165
170	40.6	248.0	23,300*	44.7	257.0	25,900*	46.9	261.3	27,700*	50.4	266.8	30,800*	53.7	270.3	30,500							170
175	38.4	241.8	22,100*	42.6	251.7	24,500*	44.9	256.4	26,100*	48.5	262.4	29,100*	51.8	266.5	29,200							175
180	36.0	235.1	20,900*	40.4	245.9	23,200*	42.8	251.1	24,700*	46.6	257.8	27,400*	50.0	262.4	28,000							180
185	33.4	227.8	19,800*	38.1	239.7	22,000*	40.6	245.4	23,400*	44.5	252.8	25,900*	48.1	258.0	26,800	51.3	261.1	25,000				185
190	30.7	219.7	18,800*	35.7	233.0	20,800*	38.4	239.3	22,100*	42.4	247.5	24,500*	46.1	253.3	25,800	49.4	256.9	24,000				190
195	27.7	210.6	17,800*	33.1	225.6	19,700*	36.0	232.6	20,900*	40.3	241.7	23,200*	44.1	248.2	24,700	47.5	252.4	23,000				195
200	24.4	200.3	16,800*	30.4	217.4	18,700*	33.4	225.3	19,800*	38.0	235.5	21,900*	42.0	242.8	23,700	45.5	247.6	22,100				200
205	20.6	188.0	15,900*	27.4	208.2	17,700*	30.7	217.2	18,800*	35.6	228.7	20,800*	39.8	236.9	22,800	43.5	242.5	21,200	46.8	245.8	19,600	205
210	16.0	172.5	14,900*	24.0	197.6	16,800*	27.8	208.1	17,800*	33.0	221.3	19,700*	37.4	230.6	21,700*	41.3	236.9	20,300	44.8	240.8	18,800	210
215	9.2	149.5	13,300*	20.2	185.1	15,800*	24.5	197.7	16,900*	30.2	213.0	18,600*	35.0	223.7	20,500*	39.1	230.9	19,500	42.7	235.5	18,100	215
220				15.4	169.1	14,900*	20.7	185.5	16,000*	27.2	203.8	17,700*	32.4	216.1	19,400*	36.8	224.4	18,800	40.5	229.8	17,300	220
225				8.1	144.2	13,800*	16.0	170.0	15,000*	23.8	193.1	16,700*	29.6	207.6	18,400*	34.3	217.3	18,100	38.2	223.7	16,600	225
230							9.3	147.1	14,000*	19.9	180.5	15,900*	26.5	198.1	17,500*	31.6	209.5	17,400	35.9	216.9	16,000	230
235										15.1	164.3	14,900*	23.0	187.1	16,600*	28.7	200.8	16,700	33.3	209.6	15,300	235
240										7.5	138.4	13,900*	19.0	173.8	15,700*	25.5	190.9	16,000	30.6	201.5	14,700	240
245													13.8	156.3	14,800*	21.9	179.3	15,400	27.6	192.3	14,100	245
250													4.2	123.3	13,700*	17.6	165.1	14,800	24.3	181.9	13,600	250
255																11.8	145.5	14,200	20.4	169.5	13,000	255
260																			15.7	153.8	12,500	260
265																			8.8	130.0	11,900	265

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	123,000*b																60
65	48.6	180.3	104,300*	59.2	186.7	115,700*b	64.9	188.8	123,800*b													65
70	42.8	175.3	98,200*	54.2	183.3	109,100*b	60.2	186.1	116,300*b													70
75	36.2	169.0	88,700*	48.9	179.2	103,300*	55.4	182.8	109,100b													75
80	28.3	160.7	80,600*	43.1	174.2	98,100*	50.1	178.9	100,600	60.2	183.2	96,100b										80
85	17.2	148.1	73,700*	36.6	168.0	89,200*	44.5	174.1	93,300	55.4	180.0	89,100b										85
90				28.8	159.8	81,100*	38.1	168.2	86,900	50.1	176.0	83,000										90
95				18.0	147.7	74,200*	30.7	160.6	81,200	44.5	171.2	77,600	55.1	176.1	73,900b							95
100							20.9	149.7	75,600*	38.1	165.3	72,700	49.8	172.1	69,300							100
105										30.7	157.7	68,400	44.1	167.2	65,200							105
110										20.9	146.9	64,500	37.7	161.2	61,500	49.1	166.9	58,600				110
115													30.2	153.5	58,100	43.4	162.0	55,400				115
120													20.2	142.4	55,000	36.9	155.8	52,400	47.9	160.6	49,900	120
125																29.1	147.8	49,700	42.0	155.4	47,300	125
130																18.5	135.9	47,200	35.3	148.9	45,000	130
135																			27.2	140.3	42,800	135
140																			15.3	126.7	40,700	140

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

115 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	119,800*b																60
65	54.7	193.2	101,500*	63.4	198.2	112,700*b																65
70	50.1	189.3	96,300*	59.3	195.4	106,300*b	64.3	197.5	113,200*b													70
75	45.2	184.6	89,000*	55.0	192.0	100,600*	60.2	194.8	106,900*b													75
80	39.8	178.9	80,900*	50.4	188.1	95,600*	56.0	191.5	100,200													80
85	33.7	172.0	74,000*	45.5	183.4	89,600*	51.5	187.7	92,900	60.2	191.9	88,500b										85
90	26.3	163.0	68,100*	40.2	177.9	81,400*	46.6	183.2	86,500	56.0	188.7	82,400										90
95	16.0	149.5	62,900*	34.1	171.0	74,400*	41.4	177.9	80,800	51.5	184.9	77,000										95
100				26.8	162.2	68,400*	35.5	171.4	75,800	46.6	180.4	72,300	55.7	184.8	68,700							100
105				16.8	149.1	63,200*	28.6	163.1	69,700*	41.4	175.1	68,000	51.2	180.9	64,700							105
110							19.5	151.4	64,300*	35.5	168.6	64,100	46.4	176.4	61,000							110
115										28.6	160.3	60,600	41.1	171.0	57,600	50.6	175.8	54,700				115
120										19.5	148.6	57,300	35.2	164.4	54,600	45.7	171.2	51,900				120
125													28.2	156.0	51,800	40.4	165.7	49,200				125
130													18.8	144.0	49,200	34.3	158.9	46,800	44.6	164.8	44,400	130
135																27.1	150.2	44,500	39.1	159.0	42,200	135
140																17.2	137.3	42,400	32.9	151.9	40,300	140
145																			25.3	142.6	38,400	145
150																			14.2	127.9	36,600	150

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LIFTCRANE LUFFING JIB CAPACITIES

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THE SCOPE OF ANSI B30.5

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

115 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	69.8	212.7	117,900*b																			50
55	66.4	210.6	110,900*b																			55
60	62.8	208.2	104,700*	70.0	211.4	116,800*b																60
65	59.1	205.3	99,100*	66.6	209.3	110,000*b																65
70	55.3	202.0	94,000*	63.0	206.9	103,800*	67.3	208.5	110,600*b													70
75	51.3	198.1	89,300*	59.4	204.0	98,300*	63.8	206.2	104,300*b													75
80	47.0	193.7	81,100*	55.6	200.7	93,400*	60.2	203.4	98,800*													80
85	42.5	188.5	74,200*	51.6	196.9	88,800*	56.4	200.2	92,500													85
90	37.4	182.3	68,200*	47.3	192.5	81,600*	52.5	196.5	86,100	60.2	200.6	82,000										90
95	31.7	174.9	63,000*	42.7	187.4	74,600*	48.3	192.3	80,500	56.4	197.4	76,600										95
100	24.8	165.2	58,500*	37.7	181.3	68,600*	43.8	187.3	75,500	52.5	193.7	71,900										100
105	15.0	150.7	54,400*	32.1	173.9	63,400*	38.9	181.5	69,900*	48.3	189.4	67,600	56.2	193.5	64,200							105
110				25.2	164.4	58,800*	33.4	174.4	64,500*	43.8	184.5	63,800	52.2	189.8	60,600							110
115				15.8	150.5	54,700*	26.9	165.5	59,800*	38.9	178.6	60,300	48.0	185.5	57,300							115
120							18.3	153.0	55,600*	33.4	171.6	57,100	43.5	180.5	54,200	51.7	184.7	51,400				120
125										26.9	162.7	54,200	38.6	174.5	51,500	47.5	180.3	48,800				125
130										18.3	150.1	51,500	33.0	167.4	48,900	42.9	175.2	46,400				130
135													26.5	158.4	46,600	37.9	169.2	44,200	46.5	173.9	41,800	135
140													17.7	145.5	44,400	32.3	161.8	42,100	41.9	168.6	39,900	140
145																25.5	152.4	40,200	36.8	162.4	38,000	145
150																16.2	138.7	38,300	30.9	154.7	36,300	150
155																			23.8	144.7	34,700	155
160																			13.4	129.0	33,200	160

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	107,000*																65
70	59.2	213.9	91,600*	65.9	218.0	101,100*																70
75	55.8	210.7	87,100*	62.7	215.5	95,800*	66.6	217.2	101,600*													75
80	52.2	206.9	81,000*	59.4	212.7	91,000*	63.4	214.8	96,300*													80
85	48.5	202.7	74,000*	56.0	209.5	86,600*	60.2	212.1	91,400*													85
90	44.5	197.8	68,000*	52.5	205.8	81,500*	56.8	208.9	85,600													90
95	40.2	192.2	62,800*	48.7	201.5	74,400*	53.3	205.3	80,000	60.2	209.2	76,000										95
100	35.4	185.5	58,300*	44.7	196.7	68,400*	49.6	201.2	75,000	56.8	206.1	71,300										100
105	30.0	177.5	54,200*	40.4	191.1	63,200*	45.6	196.5	69,700*	53.3	202.5	67,100										105
110	23.4	167.3	50,600*	35.7	184.6	58,600*	41.4	191.1	64,300*	49.6	198.4	63,200	56.6	202.2	60,000							110
115	14.2	151.9	47,400*	30.3	176.6	54,500*	36.8	184.8	59,600*	45.6	193.7	59,800	53.1	198.5	56,700							115
120				23.9	166.5	50,900*	31.6	177.2	55,400*	41.4	188.3	56,600	49.3	194.4	53,700							120
125				14.9	151.7	47,600*	25.4	167.8	51,700*	36.8	182.0	53,700	45.4	189.7	50,900	52.6	193.5	48,200				125
130							17.3	154.5	48,300*	31.6	174.4	51,100	41.2	184.2	48,400	48.8	189.3	45,800				130
135										25.4	164.9	48,600	36.5	177.9	46,100	44.9	184.5	43,600				135
140										17.3	151.6	46,300	31.3	170.2	43,900	40.6	178.9	41,500	48.0	183.0	39,200	140
145													25.0	160.6	41,900	35.9	172.4	39,700	44.0	178.0	37,400	145
150													16.7	146.9	40,000	30.5	164.6	37,900	39.6	172.3	35,800	150
155																24.1	154.6	36,200	34.8	165.5	34,200	155
160																15.3	140.0	34,600	29.3	157.3	32,700	160
165																			22.5	146.6	31,300	165
170																			12.6	130.1	30,000	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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*																			50
55	70.9	232.2	104,500*																			55
60	68.1	230.2	98,900*																			60
65	65.2	228.0	93,700*	71.0	230.9	103,700*																65
70	62.3	225.5	89,100*	68.2	228.9	98,200*																70
75	59.3	222.6	84,800*	65.4	226.7	93,200*																75
80	56.2	219.4	80,900*	62.5	224.2	88,600*	66.0	226.0	93,600*													80
85	53.0	215.7	76,100*	59.5	221.4	84,400*	63.1	223.5	89,000*													85
90	49.6	211.6	69,900*	56.4	218.1	80,600*	60.2	220.7	84,800*													90
95	46.1	207.0	64,500*	53.2	214.5	76,600*	57.1	217.6	79,500*													95
100	42.3	201.7	59,800*	49.8	210.5	70,300*	53.9	214.1	74,600	60.2	217.9	70,800										100
105	38.2	195.7	55,700*	46.3	205.9	64,900*	50.6	210.1	70,100	57.1	214.8	66,600										105
110	33.7	188.6	52,000*	42.5	200.6	60,100*	47.1	205.6	66,000*	53.9	211.2	62,800										110
115	28.5	180.1	48,700*	38.4	194.6	55,900*	43.4	200.6	61,100*	50.6	207.3	59,300	56.9	210.9	56,100							115
120	22.3	169.2	45,700*	34.0	187.6	52,200*	39.4	194.7	56,800*	47.1	202.8	56,200	53.7	207.3	53,200							120
125	13.5	153.1	42,100*	28.9	179.2	48,900*	35.0	188.0	53,000*	43.4	197.7	53,300	50.4	203.3	50,400							125
130				22.7	168.5	45,900*	30.1	179.9	49,600*	39.4	191.9	50,700	46.9	198.8	47,900							130
135				14.2	152.9	43,100*	24.2	169.9	46,500*	35.0	185.1	48,200	43.1	193.7	45,600	49.9	198.2	43,100				135
140							16.5	155.9	43,700*	30.1	177.1	46,000	39.1	187.8	43,500	46.4	193.6	41,100				140
145										24.2	167.0	43,900	34.7	181.0	41,500	42.6	188.4	39,200				145
150										16.5	153.0	41,900	29.7	172.9	39,700	38.6	182.5	37,400	45.6	187.2	35,300	150
155													23.8	162.7	37,900	34.1	175.5	35,800	41.8	181.9	33,700	155
160													15.9	148.3	36,300	29.1	167.1	34,300	37.7	175.7	32,300	160
165																23.0	156.6	32,800	33.1	168.5	30,900	165
170																14.6	141.3	31,400	27.8	159.8	29,600	170
175																			21.4	148.5	28,400	175
180																			12.0	131.1	27,200	180

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.0	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	90,700*																75
80	59.4	231.3	78,900*	65.0	235.4	86,300*																80
85	56.5	228.1	75,400*	62.3	232.9	82,300*	65.5	234.7	86,600*													85
90	53.6	224.5	69,500*	59.5	230.0	78,600*	62.9	232.2	82,600*													90
95	50.5	220.5	64,100*	56.7	226.8	75,100*	60.1	229.4	78,800*													95
100	47.3	216.1	59,400*	53.8	223.3	69,900*	57.3	226.3	74,100	62.9	229.3	70,200										100
105	44.0	211.1	55,300*	50.7	219.3	64,500*	54.4	222.8	69,700	60.1	226.5	66,000										105
110	40.4	205.4	51,600*	47.5	214.9	59,700*	51.4	219.0	65,600*	57.3	223.4	62,200										110
115	36.5	199.0	48,200*	44.2	209.9	55,500*	48.3	214.6	60,800*	54.4	220.0	58,800										115
120	32.2	191.5	45,200*	40.6	204.3	51,800*	44.9	209.8	56,400*	51.4	216.1	55,700	57.2	219.5	52,600							120
125	27.3	182.5	42,500*	36.7	198.0	48,500*	41.4	204.4	52,600*	48.3	211.8	52,800	54.3	216.1	49,900							125
130	21.3	171.1	40,100*	32.4	190.5	45,400*	37.6	198.2	49,200*	44.9	207.0	50,200	51.2	212.2	47,400							130
135	12.9	154.2	37,100*	27.6	181.7	42,700*	33.4	191.0	46,100*	41.4	201.5	47,800	48.1	207.8	45,100							135
140				21.7	170.4	40,200*	28.7	182.5	43,300*	37.6	195.3	45,500	44.7	203.0	43,000	50.8	207.1	40,500				140
145				13.5	154.1	37,900*	23.1	171.9	40,800*	33.4	188.1	43,500	41.2	197.5	41,000	47.7	202.7	38,600				145
150							15.7	157.2	38,400*	28.7	179.6	41,500	37.4	191.2	39,200	44.3	197.7	36,900				150
155										23.1	169.1	39,700	33.2	184.0	37,500	40.7	192.2	35,300	46.9	196.3	33,100	155
160										15.7	154.4	38,000	28.4	175.4	35,900	36.9	185.8	33,800	43.5	191.3	31,700	160
165													22.8	164.7	34,400	32.6	178.4	32,300	39.9	185.5	30,300	165
170													15.2	149.6	32,900	27.8	169.6	31,000	36.0	179.0	29,100	170
175																21.9	158.5	29,700	31.6	171.3	27,900	175
180																13.9	142.5	28,500	26.6	162.1	26,700	180
185																			20.5	150.3	25,700	185
190																			11.5	132.1	24,600	190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

115 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	73.9	253.2	98,700*																			55
60	71.6	251.6	93,600*																			60
65	69.2	249.8	89,000*																			65
70	66.9	247.7	84,700*																			70
75	64.4	245.4	80,800*	69.4	248.5	88,400*																75
80	62.0	242.8	77,100*	67.0	246.4	84,200*																80
85	59.4	239.9	73,800*	64.6	244.1	80,400*	67.5	245.6	84,400*													85
90	56.8	236.8	69,400*	62.1	241.5	76,800*	65.1	243.4	80,600*													90
95	54.1	233.2	64,000*	59.6	238.7	73,500*	62.7	240.8	77,000*													95
100	51.3	229.4	59,300*	57.0	235.5	69,800*	60.1	238.1	73,700*													100
105	48.4	225.0	55,100*	54.3	232.0	64,400*	57.5	235.0	69,400	62.7	238.0	65,800										105
110	45.4	220.3	51,400*	51.5	228.2	59,600*	54.9	231.5	65,400	60.1	235.2	62,000										110
115	42.1	214.9	48,100*	48.6	223.9	55,400*	52.1	227.8	60,600*	57.5	232.1	58,500										115
120	38.7	209.0	45,100*	45.5	219.1	51,700*	49.2	223.6	56,300*	54.9	228.7	55,400										120
125	35.0	202.1	42,400*	42.3	213.9	48,300*	46.2	219.0	52,500*	52.1	224.9	52,600	57.4	228.2	49,600							125
130	30.9	194.2	39,900*	38.9	207.9	45,300*	43.1	213.8	49,100*	49.2	220.7	50,000	54.7	224.8	47,200							130
135	26.1	184.8	37,700*	35.2	201.1	42,600*	39.7	208.0	46,000*	46.2	216.1	47,600	51.9	221.0	44,900							135
140	20.4	172.9	35,600*	31.1	193.3	40,100*	36.1	201.4	43,200*	43.1	210.9	45,400	49.1	216.8	42,800							140
145	12.4	155.2	33,000*	26.5	184.0	37,800*	32.1	193.9	40,700*	39.7	205.1	43,300	46.1	212.1	40,800	51.6	215.9	38,400				145
150				20.8	172.3	35,700*	27.5	184.9	38,300*	36.1	198.6	41,400	42.9	206.9	39,000	48.7	211.7	36,700				150
155				13.0	155.2	33,800*	22.2	173.9	36,200*	32.1	191.0	39,600	39.5	201.1	37,300	45.7	206.9	35,100				155
160							15.1	158.5	34,200*	27.5	182.1	37,900	35.8	194.5	35,700	42.5	201.7	33,600				160
165										22.2	171.0	36,200*	31.8	186.8	34,200	39.0	195.7	32,200	45.0	200.5	30,100	165
170										15.1	155.7	34,300*	27.3	177.8	32,800	35.3	189.0	30,800	41.7	195.1	28,900	170
175													21.8	166.6	31,500	31.3	181.2	29,600	38.3	189.0	27,700	175
180													14.6	150.9	30,200	26.6	172.0	28,400	34.5	182.1	26,600	180
185																21.0	160.3	27,300	30.3	174.0	25,500	185
190																13.3	143.6	26,200	25.5	164.4	24,500	190
195																			19.6	152.0	23,500	195
200																			11.0	133.0	22,600	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.1	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	81,800*																80
85	61.8	251.5	71,900*	66.5	255.1	78,200*																85
90	59.5	248.6	68,900*	64.3	252.8	74,800*	67.0	254.3	78,300*													90
95	57.0	245.4	63,600*	62.0	250.2	71,600*	64.8	252.1	74,900*													95
100	54.5	242.0	58,900*	59.6	247.3	68,600*	62.5	249.5	71,700*													100
105	52.0	238.2	54,700*	57.2	244.2	63,900*	60.1	246.7	68,800*													105
110	49.3	234.0	51,000*	54.7	240.8	59,200*	57.7	243.6	65,000	62.5	246.7	61,400										110
115	46.5	229.4	47,600*	52.1	237.0	55,000*	55.3	240.3	60,200*	60.1	243.9	58,000										115
120	43.6	224.3	44,600*	49.5	232.8	51,200*	52.7	236.6	55,900*	57.7	240.8	54,900										120
125	40.5	218.7	41,900*	46.7	228.2	47,900*	50.1	232.5	52,000*	55.3	237.4	52,100										125
130	37.2	212.3	39,500*	43.8	223.2	44,800*	47.3	228.0	48,600*	52.7	233.7	49,500	57.6	236.9	46,600							130
135	33.6	205.2	37,200*	40.7	217.6	42,100*	44.4	223.1	45,500*	50.1	229.6	47,100	55.1	233.5	44,300							135
140	29.7	196.9	35,100*	37.4	211.3	39,600*	41.4	217.6	42,700*	47.3	225.2	44,900	52.6	229.8	42,200							140
145	25.2	187.0	33,200*	33.9	204.2	37,400*	38.2	211.5	40,200*	44.4	220.2	42,800	49.9	225.7	40,300							145
150	19.7	174.6	31,500*	29.9	196.0	35,300*	34.7	204.6	37,900*	41.4	214.7	40,900	47.2	221.2	38,500	52.2	224.7	36,100				150
155	11.9	156.2	29,200*	25.5	186.3	33,400*	30.8	196.6	35,700*	38.2	208.6	39,100	44.3	216.2	36,800	49.6	220.6	34,500				155
160				20.0	174.0	31,600*	26.5	187.3	33,800*	34.7	201.7	37,500	41.2	210.7	35,200	46.8	216.0	33,000				160
165				12.5	156.3	29,900*	21.4	175.7	32,000*	30.8	193.8	35,800*	38.0	204.5	33,700	43.9	211.0	31,600				165
170							14.5	159.8	30,300*	26.5	184.4	33,800*	34.5	197.6	32,400	40.8	205.4	30,300	46.2	209.6	28,300	170
175										21.4	172.9	32,000*	30.6	189.6	31,000	37.5	199.2	29,100	43.2	204.5	27,100	175
180										14.5	156.9	30,300*	26.2	180.1	29,800	34.0	192.1	27,900	40.1	198.8	26,000	180
185													21.0	168.4	28,600	30.1	183.9	26,800	36.8	192.4	25,000	185
190													14.0	152.1	27,500	25.6	174.2	25,700	33.2	185.1	24,000	190
195																20.3	162.1	24,700	29.2	176.6	23,100	195
200																12.8	144.7	23,700	24.6	166.5	22,200	200
205																			18.9	153.7	21,300	205
210																			10.6	133.9	20,400	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	75,600*																85
90	61.7	260.1	66,800*	66.1	263.9	72,400*																90
95	59.5	257.3	64,100*	64.0	261.5	69,400*	66.6	263.1	72,500*													95
100	57.2	254.1	59,900*	61.8	258.9	66,600*	64.4	260.7	69,500*													100
105	54.9	250.7	55,600*	59.6	256.0	64,000*	62.3	258.2	66,700*													105
110	52.5	247.0	51,800*	57.4	252.9	60,200*	60.1	255.4	64,200*													110
115	50.1	242.9	48,400*	55.1	249.5	55,900*	57.9	252.3	60,900	62.3	255.3	57,500										115
120	47.5	238.4	45,300*	52.7	245.8	52,000*	55.6	249.0	56,800*	60.1	252.5	54,400										120
125	44.8	233.5	42,500*	50.2	241.7	48,600*	53.2	245.3	52,900*	57.9	249.5	51,600										125
130	42.0	228.2	40,000*	47.7	237.3	45,500*	50.8	241.3	49,300*	55.6	246.1	49,000										130
135	39.1	222.2	37,700*	45.0	232.4	42,700*	48.2	237.0	46,200*	53.2	242.5	46,600	57.7	245.6	43,800							135
140	35.9	215.6	35,600*	42.2	227.1	40,100*	45.6	232.2	43,300*	50.8	238.5	44,400	55.4	242.2	41,700							140
145	32.5	208.1	33,600*	39.3	221.2	37,800*	42.8	227.0	40,700*	48.2	234.2	42,400	53.1	238.5	39,800							145
150	28.6	199.4	31,800*	36.1	214.6	35,700*	39.9	221.2	38,300*	45.6	229.4	40,500	50.6	234.5	38,000							150
155	24.3	189.2	30,100*	32.7	207.1	33,700*	36.8	214.8	36,200*	42.8	224.2	38,700	48.1	230.2	36,300	52.8	233.5	34,000				155
160	19.0	176.2	28,600*	28.9	198.6	31,900*	33.5	207.6	34,200*	39.9	218.4	37,100	45.5	225.4	34,800	50.3	229.5	32,500				160
165	11.5	157.2	25,200*	24.6	188.4	30,200*	29.8	199.3	32,300*	36.8	212.0	35,500	42.7	220.1	33,300	47.8	225.0	31,100				165
170				19.3	175.7	28,700*	25.6	189.6	30,600*	33.5	204.7	34,000	39.8	214.3	31,900	45.1	220.2	29,800				170
175				12.0	157.3	26,800*	20.6	177.5	29,000*	29.8	196.4	32,300*	36.6	207.9	30,600	42.3	214.9	28,600	47.2	218.7	26,600	175
180							14.0	161.0	27,500*	25.6	186.7	30,600*	33.3	200.6	29,400	39.4	209.0	27,400	44.5	213.8	25,500	180
185										20.6	174.7	29,100*	29.5	192.2	28,200	36.2	202.4	26,300	41.7	208.3	24,500	185
190										14.0	158.1	27,600*	25.3	182.4	27,100	32.8	195.0	25,300	38.7	202.3	23,500	190
195													20.3	170.2	26,100	29.0	186.5	24,300	35.5	195.6	22,600	195
200													13.5	153.2	25,000	24.7	176.4	23,400	32.0	188.0	21,700	200
205																19.5	163.8	22,500	28.2	179.1	20,900	205
210																12.4	145.8	21,600	23.7	168.6	20,100	210
215																			18.2	155.2	19,300	215
220																			10.2	134.8	18,500	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	73,300*																85
90	63.6	271.4	65,000*	67.7	274.8	70,300*																90
95	61.6	268.8	62,500*	65.7	272.6	67,500*																95
100	59.5	265.9	59,400*	63.7	270.2	64,800*	66.2	271.8	67,500*													100
105	57.4	262.8	55,100*	61.7	267.5	62,300*	64.2	269.4	64,800*													105
110	55.2	259.4	51,300*	59.6	264.7	59,700*	62.2	266.8	62,300*													110
115	53.0	255.7	47,800*	57.5	261.6	55,400*	60.1	264.0	60,000*													115
120	50.7	251.7	44,800*	55.4	258.2	51,500*	58.0	261.0	56,300*	62.2	264.0	53,900										120
125	48.4	247.4	42,000*	53.2	254.5	48,100*	55.9	257.7	52,300*	60.1	261.2	51,000										125
130	45.9	242.7	39,400*	50.9	250.6	45,000*	53.7	254.1	48,800*	58.0	258.1	48,500										130
135	43.3	237.5	37,100*	48.5	246.2	42,200*	51.4	250.2	45,600*	55.9	254.8	46,100										135
140	40.6	231.9	35,000*	46.1	241.6	39,600*	49.0	245.9	42,800*	53.7	251.2	43,900	57.9	254.2	41,200							140
145	37.8	225.7	33,100*	43.5	236.4	37,300*	46.6	241.3	40,200*	51.4	247.3	41,900	55.7	250.9	39,200							145
150	34.7	218.7	31,300*	40.8	230.8	35,200*	44.1	236.3	37,800*	49.0	243.1	40,000	53.5	247.3	37,400							150
155	31.4	210.9	29,600*	37.9	224.6	33,200*	41.4	230.8	35,600*	46.6	238.5	38,200	51.3	243.4	35,800							155
160	27.7	201.9	28,100*	34.9	217.7	31,400*	38.6	224.8	33,600*	44.1	233.5	36,600	48.9	239.1	34,200							160
165	23.5	191.2	26,600*	31.6	210.0	29,700*	35.6	218.0	31,800*	41.4	228.0	35,000	46.5	234.5	32,800	51.0	238.3	30,600				165
170	18.4	177.8	25,300*	27.9	201.1	28,200*	32.3	210.5	30,100*	38.6	221.9	33,600	43.9	229.5	31,400	48.6	234.0	29,300				170
175	11.1	158.2	22,200*	23.8	190.5	26,700*	28.8	201.9	28,500*	35.6	215.2	31,800*	41.3	223.9	30,100	46.1	229.3	28,000				175
180				18.7	177.3	25,400*	24.7	191.7	27,000*	32.3	207.6	30,100*	38.4	217.8	28,900	43.6	224.2	26,900				180
185				11.6	158.3	23,700*	19.9	179.3	25,700*	28.8	199.0	28,500*	35.4	211.1	27,700	40.9	218.6	25,800	45.6	222.9	23,900	185
190							13.5	162.2	24,400*	24.7	188.9	27,100*	32.2	203.5	26,700	38.1	212.5	24,800	43.0	217.7	23,000	190
195										19.9	176.4	25,700*	28.6	194.8	25,600	35.0	205.6	23,800	40.3	212.0	22,000	195
200										13.5	159.3	24,400*	24.5	184.5	24,600	31.7	197.9	22,900	37.4	205.7	21,200	200
205										19.6	171.9	23,700	19.6	171.9	23,700	28.1	189.0	22,000	34.3	198.7	20,300	205
210													13.1	154.3	22,800	23.9	178.5	21,100	31.0	190.7	19,500	210
215																18.9	165.5	20,300	27.2	181.6	18,800	215
220																12.0	146.8	19,500	22.9	170.7	18,000	220
225																			17.6	156.8	17,300	225
230																			9.8	135.6	16,600	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE IN
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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

115 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	76.0	293.4	77,600*																			60
65	74.3	292.0	75,000*																			65
70	72.5	290.5	72,400*																			70
75	70.7	288.8	69,900*																			75
80	68.9	286.9	68,800*																			80
85	67.1	284.8	66,000*	70.9	287.4	69,700*																85
90	65.3	282.6	63,400*	69.1	285.6	67,200*																90
95	63.4	280.1	61,000*	67.2	283.5	65,700*																95
100	61.5	277.5	58,600*	65.4	281.3	63,100*	67.6	282.7	65,500*													100
105	59.5	274.6	54,800*	63.5	278.8	60,800*	65.8	280.5	63,100*													105
110	57.6	271.5	51,000*	61.6	276.2	58,500*	63.9	278.1	60,700*													110
115	55.5	268.1	47,500*	59.7	273.3	55,100*	62.0	275.5	58,500*													115
120	53.5	264.5	44,500*	57.7	270.2	51,200*	60.1	272.7	56,000*													120
125	51.3	260.6	41,700*	55.7	266.9	47,800*	58.1	269.7	52,000*	62.0	272.7	50,800										125
130	49.1	256.3	39,100*	53.6	263.3	44,700*	56.1	266.4	48,500*	60.1	269.8	48,200										130
135	46.8	251.8	36,800*	51.4	259.4	41,900*	54.0	262.8	45,300*	58.1	266.8	45,800										135
140	44.4	246.8	34,700*	49.2	255.2	39,300*	51.9	259.0	42,500*	56.1	263.5	43,600										140
145	42.0	241.4	32,800*	47.0	250.6	37,000*	49.7	254.9	39,900*	54.0	260.0	41,600	58.0	262.9	39,000							145
150	39.4	235.5	31,000*	44.6	245.7	34,900*	47.5	250.4	37,500*	51.9	256.1	39,700	56.0	259.6	37,200							150
155	36.6	229.0	29,300*	42.1	240.3	32,900*	45.1	245.5	35,300*	49.7	252.0	38,000	53.9	256.0	35,500							155
160	33.6	221.8	27,800*	39.5	234.4	31,100*	42.7	240.3	33,300*	47.5	247.5	36,300	51.8	252.2	34,000							160
165	30.4	213.6	26,300*	36.8	228.0	29,400*	40.1	234.5	31,500*	45.1	242.7	34,800	49.6	248.0	32,500							165
170	26.8	204.3	25,000*	33.8	220.8	27,900*	37.4	228.2	29,800*	42.7	237.4	33,300	47.3	243.6	31,100	51.5	247.1	29,000				170
175	22.8	193.2	23,700*	30.6	212.7	26,400*	34.5	221.2	28,200*	40.1	231.6	31,500*	45.0	238.7	29,900	49.3	242.9	27,800				175
180	17.8	179.4	22,500*	27.1	203.5	25,100*	31.3	213.3	26,700*	37.4	225.3	29,800*	42.5	233.4	28,600	47.0	238.4	26,600				180
185	10.7	159.1	19,700*	23.0	192.5	23,800*	27.9	204.3	25,400*	34.5	218.3	28,200*	40.0	227.6	27,500	44.7	233.5	25,600				185
190				18.1	178.9	22,600*	24.0	193.9	24,100*	31.3	210.4	26,800*	37.2	221.2	26,400	42.2	228.1	24,500	46.5	232.0	22,700	190
195				11.3	159.2	21,100*	19.3	181.0	22,900*	27.9	201.5	25,400*	34.3	214.2	25,400	39.6	222.3	23,600	44.2	227.0	21,800	195
200							13.1	163.3	21,700*	24.0	191.0	24,100*	31.2	206.3	24,400	36.9	215.8	22,600	41.7	221.6	20,900	200
205										19.3	178.1	22,900*	27.7	197.2	23,500	33.9	208.7	21,800	39.0	215.6	20,100	205
210										13.1	160.4	21,700*	23.7	186.6	22,600	30.7	200.6	20,900	36.2	209.0	19,300	210
215													27.2	191.4	20,100	33.3	201.7	18,600	33.3	201.7	18,600	215
220													12.7	155.4	20,900	23.2	180.6	19,400	30.0	193.4	17,800	220
225																18.3	167.1	18,600	26.4	183.9	17,200	225
230																11.6	147.8	17,900	22.2	172.6	16,500	230
235																			17.1	158.3	15,800	235
240																			9.5	136.4	15,200	240

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FOLD UNDER LUFFING JIB NO. 133A ON
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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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.2	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	60,500*																100
105	61.4	286.1	54,300*	65.1	290.0	58,900*	67.2	291.4	61,000*													105
110	59.6	283.2	50,400*	63.3	287.5	56,800*	65.5	289.2	58,800*													110
115	57.7	280.1	47,000*	61.5	284.9	54,500*	63.7	286.8	56,700*													115
120	55.8	276.8	43,900*	59.7	282.0	50,700*	61.9	284.2	54,700*													120
125	53.8	273.2	41,100*	57.8	278.9	47,200*	60.1	281.4	51,500*													125
130	51.8	269.4	38,600*	55.9	275.6	44,100*	58.2	278.3	48,000*	61.9	281.3	47,700										130
135	49.8	265.2	36,300*	54.0	272.0	41,300*	56.3	275.1	44,800*	60.1	278.5	45,300										135
140	47.6	260.8	34,200*	51.9	268.2	38,800*	54.4	271.6	41,900*	58.2	275.5	43,100										140
145	45.4	256.0	32,200*	49.9	264.1	36,500*	52.4	267.8	39,300*	56.3	272.2	41,100										145
150	43.1	250.8	30,400*	47.8	259.6	34,300*	50.3	263.7	37,000*	54.4	268.7	39,200										150
155	40.7	245.1	28,800*	45.6	254.9	32,400*	48.2	259.4	34,800*	52.4	264.9	37,500	56.2	268.3	35,000							155
160	38.2	239.0	27,200*	43.3	249.7	30,600*	46.0	254.7	32,800*	50.3	260.9	35,800	54.3	264.8	33,400							160
165	35.5	232.2	25,800*	40.9	244.1	28,900*	43.8	249.6	31,000*	48.2	256.5	34,300	52.3	261.0	32,000							165
170	32.6	224.7	24,400*	38.3	237.9	27,300*	41.4	244.0	29,300*	46.0	251.8	32,800*	50.2	256.9	30,600							170
175	29.5	216.3	23,200*	35.7	231.2	25,900*	38.9	238.0	27,700*	43.8	246.7	31,000*	48.1	252.5	29,300	52.0	255.9	27,200				175
180	26.1	206.6	22,000*	32.8	223.7	24,500*	36.3	231.4	26,200*	41.4	241.2	29,300*	45.9	247.8	28,100	50.0	251.8	26,100				180
185	22.1	195.2	20,900*	29.7	215.4	23,300*	33.5	224.2	24,800*	38.9	235.2	27,700*	43.6	242.7	27,000	47.8	247.4	25,000				185
190	17.3	180.9	19,800*	26.3	205.8	22,100*	30.4	216.0	23,600*	36.3	228.6	26,200*	41.3	237.2	25,900	45.6	242.6	24,000				190
195	10.4	160.0	17,300*	22.4	194.5	21,000*	27.1	206.7	22,400*	33.5	221.3	24,900*	38.8	231.1	24,900	43.3	237.5	23,000	47.4	241.1	21,200	195
200				17.6	180.4	19,900*	23.3	195.9	21,200*	30.4	213.2	23,600*	36.1	224.5	23,900	41.0	231.9	22,100	45.1	236.2	20,400	200
205				11.0	160.2	18,600*	18.8	182.6	20,200*	27.1	203.9	22,400*	33.3	217.2	23,000	38.4	225.8	21,300	42.8	231.0	19,600	205
210							12.7	164.4	19,100*	23.3	193.1	21,200*	30.2	209.0	22,200	35.8	219.0	20,400	40.4	225.3	18,800	210
215										18.8	179.8	20,200*	26.9	199.6	21,300	32.9	211.6	19,600	37.9	219.0	18,000	215
220										12.7	161.5	19,200*	23.0	188.7	20,500	29.8	203.3	18,900	35.2	212.2	17,300	220
225													18.5	175.2	19,700	26.4	193.8	18,200	32.3	204.6	16,600	225
230													12.3	156.5	19,000	22.5	182.6	17,500	29.1	196.0	16,000	230
235																17.8	168.6	16,800	25.6	186.2	15,400	235
240																11.3	148.7	16,100	21.6	174.5	14,700	240
245																			16.6	159.7	14,200	245
250																			9.3	137.2	13,600	250

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	55,200*																105
110	61.3	294.8	49,900*	64.8	298.7	53,800*	66.9	300.2	57,000*													110
115	59.6	291.9	46,500*	63.2	296.2	53,300*	65.2	297.9	55,000*													115
120	57.8	288.8	43,400*	61.4	293.5	50,200*	63.5	295.5	53,200*													120
125	56.0	285.5	40,700*	59.7	290.7	46,700*	61.8	292.8	51,000*													125
130	54.2	282.0	38,100*	57.9	287.6	43,600*	60.1	290.0	47,500*													130
135	52.3	278.2	35,800*	56.1	284.3	40,800*	58.3	287.0	44,300*	61.8	290.0	44,800										135
140	50.3	274.1	33,700*	54.3	280.8	38,300*	56.5	283.7	41,500*	60.1	287.2	42,700										140
145	48.3	269.8	31,700*	52.4	277.0	36,000*	54.7	280.3	38,900*	58.3	284.1	40,600										145
150	46.3	265.1	29,900*	50.5	272.9	33,800*	52.8	276.6	36,500*	56.5	280.9	38,800										150
155	44.1	260.1	28,300*	48.5	268.6	31,900*	50.9	272.6	34,300*	54.7	277.4	37,000										155
160	41.9	254.6	26,700*	46.4	264.0	30,100*	48.9	268.3	32,300*	52.8	273.7	35,400	56.4	277.0	33,000							160
165	39.6	248.7	25,300*	44.3	258.9	28,400*	46.9	263.7	30,500*	50.9	269.7	33,900	54.6	273.5	31,500							165
170	37.1	242.3	24,000*	42.0	253.5	26,800*	44.7	258.8	28,800*	48.9	265.5	32,300*	52.7	269.8	30,200							170
175	34.5	235.3	22,700*	39.7	247.7	25,400*	42.5	253.5	27,200*	46.9	260.9	30,500*	50.8	265.8	28,900							175
180	31.7	227.5	21,500*	37.3	241.3	24,100*	40.2	247.7	25,700*	44.7	255.9	28,800*	48.8	261.5	27,700	52.5	264.7	25,600				180
185	28.7	218.8	20,400*	34.7	234.3	22,800*	37.8	241.5	24,400*	42.5	250.6	27,200*	46.7	256.9	26,600	50.5	260.7	24,600				185
190	25.3	208.8	19,400*	31.9	226.6	21,600*	35.3	234.6	23,100*	40.2	244.9	25,700*	44.6	251.9	25,500	48.5	256.4	23,500				190
195	21.5	197.1	18,400*	28.9	217.9	20,500*	32.5	227.1	21,900*	37.8	238.6	24,400*	42.4	246.6	24,500	46.5	251.7	22,600				195
200	16.8	182.4	17,400*	25.6	208.1	19,400*	29.6	218.7	20,700*	35.3	231.8	23,100*	40.1	240.8	23,500	44.3	246.7	21,700				200
205	10.1	160.8	15,100*	21.7	196.4	18,400*	26.3	209.1	19,700*	32.5	224.2	21,900*	37.7	234.5	22,600	42.1	241.3	20,800	46.0	245.3	19,100	205
210				17.1	181.9	17,500*	22.6	197.9	18,700*	29.6	215.8	20,800*	35.1	227.7	21,700	39.8	235.5	20,000	43.9	240.3	18,300	210
215				10.6	161.1	16,300*	18.2	184.2	17,700*	26.3	206.2	19,700*	32.4	220.1	20,900	37.4	229.1	19,200	41.6	234.8	17,600	215
220							12.4	165.4	16,800*	22.6	195.1	18,700*	29.4	211.6	20,100	34.8	222.2	18,500	39.3	228.8	16,900	220
225										18.2	181.4	17,700*	26.1	201.9	19,400	32.0	214.5	17,800	36.8	222.4	16,200	225
230										12.4	162.6	16,800*	22.4	190.6	18,600	29.0	205.9	17,100	34.2	215.3	15,600	230
235													18.0	176.8	17,700*	25.7	196.0	16,400	31.4	207.4	14,900	235
240													12.0	157.5	16,800*	21.9	184.5	15,800	28.3	198.5	14,300	240
245																17.3	170.1	15,200	24.9	188.4	13,800	245
250																10.9	149.7	14,500	21.0	176.3	13,200	250
255																			16.1	161.1	12,700	255
260																			9.0	137.9	12,100	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	50,300*																110
115	61.3	303.4	44,000*	64.6	307.4	49,000*	66.5	308.9	51,600*													115
120	59.6	300.6	41,800*	63.0	304.9	46,800*	64.9	306.6	49,400*													120
125	57.9	297.5	39,700*	61.4	302.2	44,600*	63.4	304.1	47,200*													125
130	56.2	294.2	37,700*	59.7	299.3	42,400*	61.7	301.5	45,000*													130
135	54.5	290.7	35,700*	58.0	296.3	40,300*	60.1	298.7	42,900*													135
140	52.7	287.0	33,500*	56.3	293.0	38,200*	58.4	295.7	40,800*	61.7	298.7	42,100										140
145	50.9	283.0	31,600*	54.6	289.5	35,900*	56.7	292.4	38,800*	60.1	295.8	40,100										145
150	49.0	278.7	29,700*	52.8	285.8	33,700*	55.0	289.0	36,400*	58.4	292.8	38,300										150
155	47.0	274.1	28,000*	51.0	281.8	31,700*	53.2	285.3	34,200*	56.7	289.6	36,500										155
160	45.0	269.3	26,500*	49.1	277.5	29,900*	51.4	281.4	32,100*	55.0	286.1	34,900										160
165	43.0	264.0	25,000*	47.1	273.0	28,100*	49.5	277.2	30,300*	53.2	282.5	33,400	56.6	285.7	31,000							165
170	40.8	258.4	23,600*	45.1	268.1	26,600*	47.6	272.7	28,500*	51.4	278.6	31,900	54.9	282.2	29,600							170
175	38.5	252.3	22,300*	43.1	262.9	25,100*	45.6	268.0	26,900*	49.5	274.4	30,300*	53.1	278.5	28,400							175
180	36.1	245.6	21,200*	40.9	257.3	23,700*	43.5	262.8	25,400*	47.6	269.9	28,600*	51.3	274.6	27,200							180
185	33.6	238.3	20,000*	38.7	251.2	22,400*	41.4	257.3	24,000*	45.6	265.1	26,900*	49.4	270.4	26,100	52.9	273.5	24,000				185
190	30.9	230.3	19,000*	36.3	244.6	21,200*	39.2	251.3	22,700*	43.5	260.0	25,400*	47.5	265.9	25,000	51.0	269.5	23,000				190
195	28.0	221.3	18,000*	33.8	237.4	20,100*	36.8	244.8	21,500*	41.4	254.4	24,100*	45.5	261.1	24,000	49.2	265.3	22,100				195
200	24.7	211.0	17,000*	31.1	229.4	19,100*	34.3	237.7	20,400*	39.2	248.5	22,800*	43.4	255.9	23,000	47.2	260.8	21,100				200
205	20.9	198.9	16,100*	28.1	220.4	18,000*	31.7	229.9	19,300*	36.8	242.0	21,500*	41.3	250.4	22,100	45.2	255.9	20,300				205
210	16.4	183.8	15,300*	24.9	210.3	17,100*	28.8	221.2	18,300*	34.3	234.9	20,400*	39.0	244.4	21,300	43.2	250.7	19,500	46.8	254.4	17,800	210
215	9.9	161.7	13,100*	21.2	198.3	16,200*	25.6	211.4	17,300*	31.7	227.1	19,300*	36.7	237.9	20,400	41.0	245.1	18,700	44.8	249.5	17,000	215
220				16.7	183.4	15,300*	22.0	199.8	16,400*	28.8	218.4	18,300*	34.2	230.8	19,600	38.7	239.0	18,000	42.7	244.2	16,300	220
225				10.4	162.0	14,300*	17.8	185.7	15,500*	25.6	208.5	17,300*	31.5	222.9	18,900	36.4	232.4	17,300	40.5	238.5	15,700	225
230							12.1	166.5	14,700*	22.0	197.0	16,400*	28.6	214.1	18,200	33.9	225.2	16,600	38.2	232.3	15,000	230
235										17.8	182.9	15,600*	25.5	204.2	17,300*	31.2	217.3	15,900	35.9	225.6	14,400	235
240										12.1	163.6	14,700*	21.8	192.6	16,400*	28.3	208.4	15,300	33.3	218.3	13,800	240
245													17.5	178.3	15,500*	25.0	198.3	14,700	30.6	210.1	13,300	245
250													11.6	158.5	14,700*	21.3	186.4	14,100	27.6	201.0	12,700	250
255																16.8	171.6	13,500	24.3	190.5	12,200	255
260																10.7	150.6	13,000	20.4	178.1	11,700	260
265																			15.7	162.5	11,200	265
270																			8.8	138.7	10,700	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	63.9	201.0	123,600*b																			50
55	59.2	198.2	116,200*b																			55
60	54.3	194.8	109,600*b	65.0	200.1	123,600*b																60
65	49.0	190.6	103,600*	60.4	197.4	116,200*b	66.5	199.5	125,000*b													65
70	43.2	185.6	98,300*	55.5	194.1	109,600*b	61.9	196.9	117,500*b													70
75	36.7	179.4	89,300*	50.3	190.2	103,700*	57.1	193.9	108,200b													75
80	28.9	171.4	81,100*	44.6	185.4	98,400*	52.0	190.2	99,800	62.7	194.4	94,800b										80
85	18.2	159.3	74,200*	38.3	179.5	91,500*	46.5	185.7	92,500	57.9	191.4	87,900b										85
90				30.9	172.0	83,000*	40.4	180.2	86,200	52.9	187.8	81,800										90
95				21.2	161.2	75,800*	33.4	173.3	80,500	47.5	183.5	76,500										95
100							24.7	163.9	75,500	41.5	178.2	71,700	53.5	184.3	68,000							100
105							10.2	146.9	70,800	34.7	171.6	67,500	48.1	180.0	63,900							105
110										26.4	162.8	63,600	42.2	174.9	60,300							110
115										13.9	148.3	60,000	35.5	168.4	57,000	48.3	175.3	53,900				115
120													27.4	159.9	54,000	42.4	170.2	51,100				120
125													15.7	146.6	51,100	35.8	163.8	48,500	47.9	169.3	45,700	125
130																27.7	155.4	46,000	42.0	164.1	43,500	130
135																16.3	142.3	43,800	35.3	157.6	41,400	135
140																			27.2	149.0	39,400	140
145																			15.3	135.4	37,600	145

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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	120,300*b																60
65	55.0	203.5	100,900*	64.4	208.8	113,200*b																65
70	50.5	199.6	95,700*	60.3	206.0	106,900*b	65.7	208.2	114,500*b													70
75	45.6	194.9	89,600*	56.1	202.8	101,200*	61.7	205.6	107,700b													75
80	40.2	189.4	81,400*	51.6	199.0	96,000*	57.5	202.6	99,300													80
85	34.2	182.5	74,400*	46.8	194.6	91,300*	53.0	199.0	92,100	62.3	203.0	87,300b										85
90	26.9	173.7	68,500*	41.5	189.2	83,300*	48.4	194.7	85,700	58.2	200.1	81,200										90
95	16.9	160.7	63,200*	35.7	182.8	76,000*	43.3	189.7	80,100	53.8	196.6	75,900										95
100				28.8	174.5	69,800*	37.7	183.7	75,100	49.2	192.5	71,200										100
105				19.7	162.9	64,400*	31.2	176.1	70,700	44.2	187.6	67,000	54.3	193.0	63,300							105
110							23.0	165.9	66,100*	38.7	181.8	63,200	49.7	189.0	59,700							110
115							9.5	147.7	61,200*	32.4	174.5	59,700	44.8	184.2	56,500							115
120										24.6	164.9	56,500	39.3	178.5	53,500	49.9	184.2	50,400				120
125										12.9	149.4	53,600	33.1	171.4	50,800	44.9	179.5	47,900				125
130													25.6	162.2	48,200	39.5	173.8	45,500				130
135													14.7	147.8	45,800	33.3	166.8	43,300	44.6	173.4	40,800	135
140																25.8	157.6	41,300	39.1	167.7	38,900	140
145																15.1	143.6	39,300	32.9	160.6	37,100	145
150																			25.3	151.2	35,400	150
155																			14.2	136.6	33,800	155

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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	110,500*b																65
70	55.6	212.2	93,500*	63.9	217.4	104,400*b																70
75	51.6	208.4	88,900*	60.3	214.7	98,900*	65.1	216.9	105,600*b													75
80	47.4	204.0	81,600*	56.5	211.5	93,900*	61.5	214.3	98,900													80
85	42.8	198.9	74,600*	52.6	207.8	89,300*	57.7	211.2	91,700													85
90	37.8	192.8	68,600*	48.4	203.6	83,500*	53.9	207.7	85,400	62.1	211.7	80,800										90
95	32.1	185.4	63,400*	43.9	198.7	76,200*	49.8	203.7	79,800	58.4	208.7	75,500										95
100	25.3	176.0	58,800*	39.0	192.8	70,000*	45.4	199.0	74,800	54.5	205.3	70,800										100
105	15.9	162.1	54,700*	33.5	185.8	64,600*	40.7	193.5	70,400	50.5	201.4	66,600										105
110				27.0	176.9	59,800*	35.4	186.9	66,300*	46.2	196.8	62,800	55.0	201.8	59,300							110
115				18.5	164.5	55,600*	29.3	178.7	61,300*	41.5	191.4	59,400	50.9	197.9	56,000							115
120							21.7	167.8	57,000*	36.3	185.1	56,300	46.6	193.4	53,100							120
125							8.9	148.4	53,100*	30.4	177.2	53,400	42.0	188.1	50,400	51.1	193.1	47,400				125
130										23.1	166.9	50,700	36.9	181.8	47,900	46.8	188.6	45,100				130
135										12.1	150.4	48,200	31.1	174.2	45,600	42.2	183.4	42,900				135
140													24.0	164.3	43,500	37.1	177.2	40,900	46.5	182.6	38,400	140
145													13.8	149.0	41,400	31.3	169.6	39,100	41.9	177.3	36,700	145
150																24.3	159.8	37,300	36.8	171.0	35,000	150
155																14.2	144.8	35,600	30.9	163.3	33,500	155
160																			23.8	153.3	32,000	160
165																			13.4	137.7	30,600	165

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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*b																			50
55	69.1	231.6	107,100*b																			55
60	66.0	229.5	101,200*																			60
65	62.8	227.0	95,900*	69.8	230.6	107,400*b																65
70	59.5	224.2	91,100*	66.7	228.5	101,700*																70
75	56.0	220.9	86,600*	63.5	226.1	96,400*	67.7	227.9	103,300*b													75
80	52.5	217.2	81,500*	60.2	223.4	91,600*	64.6	225.6	97,500*													80
85	48.7	213.0	74,500*	56.9	220.2	87,200*	61.3	222.9	91,100													85
90	44.8	208.2	68,400*	53.3	216.6	83,100*	58.0	219.9	84,800													90
95	40.5	202.6	63,200*	49.6	212.5	76,100*	54.5	216.5	79,300	61.9	220.4	74,900										95
100	35.7	196.0	58,600*	45.7	207.9	69,800*	50.9	212.6	74,300	58.6	217.4	70,200										100
105	30.4	188.1	54,500*	41.5	202.5	64,400*	47.0	208.1	69,900	55.1	214.1	66,000										105
110	23.9	178.1	50,900*	36.9	196.2	59,600*	42.9	203.0	65,900	51.5	210.2	62,300										110
115	15.0	163.3	47,600*	31.7	188.6	55,400*	38.4	197.0	61,100*	47.7	205.9	58,900	55.5	210.5	55,400							115
120				25.6	179.2	51,700*	33.5	189.9	56,800*	43.6	200.8	55,800	51.9	206.7	52,500							120
125				17.5	166.1	48,400*	27.7	181.2	52,900*	39.2	195.0	52,900	48.1	202.4	49,800							125
130							20.5	169.6	49,400*	34.4	188.2	50,300	44.1	197.5	47,300	52.0	201.9	44,400				130
135							8.4	149.1	46,300*	28.8	179.8	47,900	39.7	191.7	45,100	48.2	197.7	42,300				135
140										21.9	168.9	45,600	34.9	185.0	43,000	44.2	192.7	40,300				140
145										11.4	151.3	43,500	29.4	176.8	41,000	39.9	187.1	38,500	48.0	191.6	36,000	145
150													22.7	166.3	39,200	35.1	180.4	36,800	44.0	186.7	34,400	150
155													13.0	150.1	37,400	29.6	172.2	35,200	39.6	180.9	32,900	155
160																23.0	161.8	33,600	34.8	174.2	31,500	160
165																13.4	145.9	32,200	29.3	165.9	30,100	165
170																			22.5	155.3	28,900	170
175																			12.6	138.8	27,600	175

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	73.8	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	98,400*																70
75	59.5	232.8	84,200*	66.1	237.2	93,500*																75
80	56.4	229.6	80,400*	63.2	234.8	89,000*	67.0	236.6	94,500*													80
85	53.2	226.0	76,600*	60.2	232.0	84,800*	64.2	234.2	89,900*													85
90	49.8	221.9	70,300*	57.2	228.9	80,900*	61.2	231.6	84,400													90
95	46.3	217.3	64,900*	54.0	225.4	77,300*	58.2	228.6	78,800													95
100	42.5	212.1	60,100*	50.6	221.4	71,700*	55.0	225.2	73,900	61.7	229.0	69,700										100
105	38.5	206.1	56,000*	47.2	217.0	66,100*	51.7	221.4	69,500	58.7	226.1	65,500										105
110	34.0	199.1	52,200*	43.4	211.9	61,200*	48.3	217.1	65,500	55.6	222.8	61,800										110
115	28.9	190.7	48,900*	39.5	206.1	56,900*	44.7	212.2	61,900	52.3	219.0	58,400										115
120	22.8	180.1	45,900*	35.1	199.4	53,100*	40.8	206.7	58,300*	48.9	214.8	55,300	55.9	219.2	52,000							120
125	14.3	164.6	42,800*	30.2	191.3	49,700*	36.6	200.3	54,300*	45.3	210.1	52,500	52.7	215.5	49,300							125
130				24.3	181.4	46,600*	31.8	192.8	50,700*	41.5	204.7	49,900	49.3	211.3	46,900							130
135				16.7	167.5	43,800*	26.4	183.5	47,600*	37.3	198.4	47,500	45.7	206.7	44,600	52.8	210.7	41,800				135
140							19.5	171.3	44,700*	32.7	191.1	45,300	41.9	201.3	42,500	49.4	206.6	39,800				140
145							7.9	149.7	42,000*	27.4	182.2	43,200	37.8	195.2	40,600	45.8	201.9	38,000				145
150										20.8	170.7	41,300	33.2	188.0	38,800	42.0	196.6	36,300				150
155										10.9	152.2	39,400	28.0	179.3	37,100	37.9	190.5	34,700	45.6	195.9	32,400	155
160													21.6	168.2	35,500	33.4	183.4	33,200	41.8	190.5	31,000	160
165													12.4	151.1	33,900	28.2	174.7	31,800	37.7	184.4	29,700	165
170																21.9	163.7	30,500	33.1	177.2	28,400	170
175																12.8	147.0	29,200	27.8	168.4	27,300	175
180																			21.4	157.2	26,100	180
185																			12.0	139.8	25,000	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	75.2	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	95,600*																70
75	62.3	244.3	82,100*	68.2	248.1	91,000*																75
80	59.6	241.5	78,400*	65.6	245.9	86,600*																80
85	56.7	238.3	74,900*	62.9	243.5	82,700*	66.5	245.3	87,600*													85
90	53.8	234.7	69,900*	60.2	240.7	79,000*	63.8	242.9	83,500*													90
95	50.8	230.8	64,500*	57.4	237.6	75,500*	61.1	240.2	78,300*													95
100	47.6	226.4	59,700*	54.5	234.1	71,400*	58.3	237.3	73,400*													100
105	44.2	221.4	55,500*	51.5	230.3	65,700*	55.4	233.9	69,000*	61.6	237.7	65,000*										105
110	40.6	215.8	51,800*	48.3	226.0	60,800*	52.5	230.2	65,000*	58.8	234.7	61,200*										110
115	36.8	209.4	48,500*	45.0	221.1	56,500*	49.4	226.0	61,500*	55.9	231.5	57,800*										115
120	32.5	202.0	45,500*	41.5	215.7	52,700*	46.1	221.4	57,900*	53.0	227.8	54,800*										120
125	27.6	193.2	42,700*	37.7	209.5	49,200*	42.7	216.2	53,900*	49.9	223.7	51,900*	56.3	227.9	48,700*							125
130	21.8	182.0	40,200*	33.5	202.4	46,200*	39.0	210.3	50,300*	46.7	219.2	49,400*	53.3	224.3	46,300*							130
135	13.6	165.7	37,700*	28.8	193.9	43,400*	34.9	203.5	47,100*	43.3	214.1	47,000*	50.3	220.2	44,000*							135
140				23.3	183.4	40,800*	30.4	195.5	44,300*	39.6	208.3	44,800*	47.0	215.7	42,000*							140
145				15.9	168.9	38,500*	25.2	185.8	41,600*	35.6	201.7	42,800*	43.6	210.7	40,000*	50.4	215.5	37,400*				145
150							18.6	172.9	39,200*	31.2	193.9	40,900*	40.0	205.0	38,300*	47.1	211.0	35,700*				150
155							7.6	150.3	37,000*	26.2	184.5	39,100*	36.1	198.5	36,600*	43.8	206.0	34,100*				155
160										19.9	172.4	37,400*	31.7	190.8	35,000*	40.1	200.3	32,700*	46.9	205.0	30,400*	160
165										10.4	153.1	35,800*	26.8	181.7	33,500*	36.2	193.8	31,300*	43.5	199.9	29,100*	165
170													20.7	170.0	32,100*	31.9	186.2	30,000*	39.9	194.2	27,900*	170
175													11.8	152.1	30,800*	26.9	177.1	28,800*	36.0	187.6	26,700*	175
180																20.9	165.5	27,600*	31.6	180.0	25,600*	180
185																12.2	148.0	26,400*	26.6	170.8	24,600*	185
190																			20.5	159.0	23,600*	190
195																			11.5	140.7	22,600*	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.1	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	88,600*																75
80	62.1	253.0	76,600*	67.6	256.9	84,500*																80
85	59.6	250.1	73,300*	65.2	254.6	80,700*																85
90	57.0	247.0	69,800*	62.7	252.1	77,200*	66.0	254.0	81,500*													90
95	54.3	243.5	64,400*	60.2	249.3	73,900*	63.5	251.6	78,000													95
100	51.5	239.6	59,600*	57.6	246.2	70,800*	61.0	248.9	73,100													100
105	48.6	235.4	55,400*	54.9	242.8	65,600*	58.4	245.9	68,700													105
110	45.6	230.6	51,700*	52.2	239.1	60,700*	55.8	242.6	64,800	61.4	246.3	61,000										110
115	42.4	225.3	48,300*	49.3	234.9	56,400*	53.1	239.0	61,200	58.9	243.4	57,600										115
120	38.9	219.4	45,300*	46.3	230.3	52,500*	50.2	234.9	57,800*	56.3	240.2	54,500										120
125	35.2	212.6	42,600*	43.1	225.1	49,100*	47.3	230.5	53,800*	53.6	236.6	51,700										125
130	31.2	204.8	40,100*	39.8	219.3	46,000*	44.2	225.5	50,200*	50.7	232.6	49,100	56.6	236.6	46,000							130
135	26.5	195.5	37,800*	36.1	212.8	43,200*	40.9	219.9	47,000*	47.8	228.2	46,800	53.9	233.0	43,800							135
140	20.9	183.8	35,700*	32.2	205.3	40,700*	37.4	213.7	44,100*	44.7	223.3	44,600	51.1	229.1	41,700							140
145	13.1	166.8	33,400*	27.7	196.4	38,400*	33.5	206.5	41,500*	41.5	217.9	42,600	48.1	224.8	39,800							145
150				22.3	185.4	36,200*	29.2	198.1	39,100*	38.0	211.7	40,700	45.1	219.9	38,100	51.1	224.3	35,500				150
155				15.3	170.2	34,300*	24.2	187.9	36,900*	34.2	204.7	38,900	41.8	214.5	36,400	48.2	220.0	33,900				155
160							17.9	174.5	34,900*	30.0	196.6	37,300	38.4	208.5	34,800	45.2	215.2	32,500				160
165							7.2	150.9	33,000*	25.1	186.8	35,700	34.6	201.6	33,400	41.9	209.8	31,100				165
170										19.1	174.1	34,300	30.5	193.6	32,000	38.5	203.8	29,800	45.0	209.2	27,700	170
175										9.9	154.0	32,800	25.7	184.0	30,700	34.7	196.9	28,600	41.7	203.8	26,500	175
180													19.8	171.7	29,500	30.6	189.0	27,400	38.3	197.7	25,400	180
185													11.3	153.1	28,300	25.8	179.4	26,400	34.5	190.8	24,400	185
190																20.1	167.3	25,300	30.3	182.7	23,500	190
195																11.7	149.0	24,300	25.5	173.0	22,500	195
200																			19.6	160.7	21,600	200
205																			11.0	141.7	20,700	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.2	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	82,000*																80
85	62.0	261.7	71,400*	67.1	265.6	78,400*																85
90	59.6	258.8	68,400*	64.8	263.3	75,100*	67.8	264.9	79,100*													90
95	57.2	255.7	64,000*	62.5	260.8	72,000*	65.5	262.7	75,800*													95
100	54.7	252.2	59,200*	60.2	258.0	69,000*	63.3	260.3	72,600*													100
105	52.2	248.4	55,000*	57.8	254.9	65,200*	60.9	257.6	68,200*													105
110	49.5	244.3	51,200*	55.3	251.6	60,300*	58.6	254.6	64,300*													110
115	46.7	239.7	47,900*	52.8	247.9	55,900*	56.1	251.3	60,700*	61.3	255.0	57,000*										115
120	43.8	234.7	44,800*	50.1	243.8	52,100*	53.6	247.7	57,300*	59.0	252.1	54,000*										120
125	40.7	229.1	42,100*	47.4	239.3	48,700*	51.0	243.8	53,300*	56.5	248.9	51,200*										125
130	37.5	222.8	39,600*	44.5	234.4	45,600*	48.3	239.5	49,700*	54.0	245.3	48,600*										130
135	33.9	215.7	37,400*	41.5	228.9	42,800*	45.5	234.7	46,500*	51.4	241.4	46,300*	56.8	245.3	43,200*							135
140	30.0	207.5	35,300*	38.2	222.8	40,200*	42.5	229.4	43,700*	48.8	237.2	44,100*	54.3	241.8	41,200*							140
145	25.5	197.8	33,400*	34.8	215.9	37,900*	39.3	223.5	41,000*	45.9	232.5	42,100*	51.7	237.9	39,300*							145
150	20.1	185.6	31,600*	30.9	208.0	35,800*	35.9	216.9	38,700*	43.0	227.3	40,200*	49.1	233.7	37,500*							150
155	12.6	167.9	29,600*	26.6	198.7	33,800*	32.2	209.4	36,500*	39.9	221.5	38,500*	46.3	229.1	35,900*	51.8	233.2	33,300*				155
160				21.5	187.2	32,000*	28.1	200.6	34,500*	36.5	215.1	36,800*	43.3	223.9	34,300*	49.1	229.0	31,900*				160
165				14.7	171.4	30,300*	23.3	189.9	32,600*	32.9	207.7	35,300*	40.2	218.2	32,900*	46.4	224.3	30,500*				165
170							17.2	176.0	30,900*	28.8	199.2	33,800*	36.9	211.8	31,500*	43.4	219.2	29,300*				170
175							7.0	151.5	29,200*	24.2	188.9	32,500*	33.3	204.6	30,200*	40.3	213.5	28,100*	46.2	218.3	25,900*	175
180										18.4	175.7	31,200*	29.3	196.2	29,000*	37.0	207.2	26,900*	43.2	213.2	24,900*	180
185										9.6	154.8	29,500*	24.7	186.1	27,900*	33.4	200.0	25,800*	40.1	207.4	23,900*	185
190													19.1	173.4	26,800*	29.4	191.6	24,800*	36.8	201.0	22,900*	190
195													10.9	154.0	25,700*	24.9	181.6	23,800*	33.2	193.7	22,000*	195
200																19.3	169.0	22,900*	29.2	185.3	21,100*	200
205																11.2	150.0	22,000*	24.6	175.2	20,300*	205
210																			18.9	162.3	19,500*	210
215																			10.6	142.6	18,700*	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.3	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	79,000*																80
85	64.0	272.9	69,100*	68.7	276.4	75,700*																85
90	61.8	270.3	66,300*	66.6	274.3	72,600*																90
95	59.6	267.5	63,700*	64.5	272.0	69,600*	67.3	273.7	73,100*													95
100	57.4	264.3	60,200*	62.4	269.5	66,900*	65.2	271.4	70,300*													100
105	55.1	260.9	55,900*	60.2	266.7	64,300*	63.1	268.9	67,500*													105
110	52.7	257.2	52,000*	57.9	263.6	61,400*	60.9	266.2	63,800													110
115	50.2	253.2	48,600*	55.6	260.3	56,900*	58.7	263.3	60,300													115
120	47.7	248.7	45,500*	53.3	256.6	52,900*	56.4	260.0	57,100	61.3	263.7	53,500										120
125	45.0	243.9	42,700*	50.8	252.7	49,400*	54.0	256.5	54,100	59.0	260.7	50,700										125
130	42.2	238.6	40,100*	48.3	248.3	46,200*	51.6	252.6	50,500*	56.8	257.5	48,100										130
135	39.3	232.7	37,800*	45.7	243.6	43,300*	49.1	248.4	47,200*	54.4	254.1	45,800										135
140	36.1	226.1	35,700*	42.9	238.4	40,700*	46.5	243.8	44,300*	52.0	250.3	43,600	57.0	253.9	40,700							140
145	32.7	218.6	33,700*	40.0	232.6	38,400*	43.8	238.7	41,600*	49.6	246.1	41,600	54.7	250.5	38,800							145
150	28.9	210.1	31,900*	36.9	226.2	36,200*	41.0	233.2	39,100*	47.0	241.6	39,700	52.3	246.7	37,000							150
155	24.6	200.0	30,200*	33.5	219.0	34,200*	37.9	227.0	36,900*	44.3	236.6	38,000	49.8	242.6	35,400							155
160	19.4	187.3	28,400*	29.8	210.7	32,400*	34.7	220.0	34,800*	41.5	231.1	36,400	47.3	238.1	33,800	52.4	242.0	31,400				160
165	12.1	169.0	25,600*	25.7	201.0	30,600*	31.1	212.2	33,000*	38.5	225.0	34,900	44.6	233.2	32,400	49.9	237.9	30,000				165
170				20.7	189.1	29,100*	27.1	203.0	31,200*	35.2	218.3	33,400	41.8	227.8	31,100	47.4	233.4	28,800				170
175				14.2	172.7	27,600*	22.5	191.9	29,600*	31.7	210.5	32,100	38.8	221.8	29,800	44.7	228.5	27,600				175
180							16.6	177.4	28,100*	27.8	201.6	30,800	35.6	215.1	28,600	41.9	223.1	26,400	47.2	227.4	24,400	180
185							6.7	152.1	25,600*	23.3	190.9	29,600	32.1	207.5	27,500	38.9	217.1	25,400	44.5	222.4	23,400	185
190										17.7	177.2	28,300*	28.3	198.7	26,400	35.7	210.4	24,400	41.7	217.0	22,400	190
195										9.2	155.5	26,900*	23.8	188.2	25,400	32.2	202.9	23,400	38.7	211.0	21,500	195
200													18.4	175.0	24,400	28.4	194.1	22,500	35.5	204.2	20,700	200
205													10.5	154.9	23,400	24.0	183.7	21,600	32.0	196.6	19,900	205
210																18.6	170.6	20,800	28.2	187.8	19,100	210
215																10.8	150.9	20,000	23.7	177.3	18,300	215
220																			18.2	163.9	17,600	220
225																			10.2	143.4	16,900	225

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	73,300*																85
90	63.8	281.6	64,500*	68.1	285.2	70,400*																90
95	61.7	279.0	62,000*	66.2	283.1	67,600*																95
100	59.7	276.1	59,600*	64.2	280.7	65,000*	66.8	282.4	68,100*													100
105	57.6	273.0	55,400*	62.2	278.1	62,500*	64.9	280.1	65,500*													105
110	55.4	269.6	51,500*	60.2	275.3	60,100*	62.9	277.6	63,100*													110
115	53.2	266.0	48,100*	58.1	272.3	56,400*	60.8	274.9	59,800													115
120	50.9	262.0	45,000*	55.9	269.0	52,400*	58.7	271.9	56,600													120
125	48.5	257.7	42,200*	53.7	265.4	48,900*	56.6	268.7	53,600	61.2	272.3	50,100										125
130	46.1	253.0	39,600*	51.4	261.5	45,700*	54.4	265.2	50,000*	59.1	269.4	47,600										130
135	43.5	247.9	37,300*	49.1	257.3	42,800*	52.2	261.4	46,700*	57.0	266.2	45,300										135
140	40.8	242.3	35,200*	46.7	252.7	40,200*	49.9	257.3	43,700*	54.8	262.8	43,100										140
145	38.0	236.1	33,200*	44.1	247.7	37,800*	47.5	252.8	41,000*	52.6	259.0	41,100	57.2	262.6	38,200							145
150	34.9	229.2	31,400*	41.5	242.2	35,700*	45.0	248.0	38,600*	50.3	255.0	39,200	55.0	259.2	36,500							150
155	31.6	221.5	29,700*	38.7	236.1	33,700*	42.3	242.6	36,400*	47.9	250.6	37,500	52.8	255.5	34,800							155
160	28.0	212.6	28,200*	35.7	229.4	31,800*	39.6	236.8	34,300*	45.4	245.8	35,900	50.5	251.5	33,300							160
165	23.8	202.1	26,700*	32.4	221.9	30,100*	36.7	230.3	32,400*	42.8	240.5	34,400	48.1	247.1	31,900	52.9	250.7	29,400				165
170	18.8	188.9	25,300*	28.9	213.3	28,500*	33.5	223.1	30,700*	40.1	234.8	32,900	45.7	242.4	30,500	50.6	246.7	28,200				170
175	11.7	170.0	22,600*	24.8	203.2	27,100*	30.1	214.8	29,100*	37.2	228.4	31,600	43.1	237.2	29,300	48.2	242.4	27,000				175
180				20.0	190.8	25,700*	26.2	205.3	27,500*	34.1	221.3	30,300	40.4	231.5	28,100	45.8	237.6	25,900				180
185				13.7	173.8	24,400*	21.7	193.8	26,100*	30.7	213.3	29,100	37.5	225.2	27,000	43.2	232.5	24,800				185
190							16.0	178.8	24,800*	26.9	204.0	27,800*	34.4	218.2	25,900	40.5	226.8	23,800	45.6	231.6	21,800	190
195							6.5	152.6	22,700*	22.5	192.9	26,400*	31.1	210.3	24,900	37.6	220.5	22,900	43.0	226.4	20,900	195
200										17.1	178.7	25,000*	27.3	201.1	23,900	34.5	213.5	22,000	40.3	220.7	20,100	200
205										8.9	156.3	23,800*	23.1	190.3	23,000	31.2	205.6	21,100	37.4	214.4	19,300	205
210													17.8	176.5	22,100	27.5	196.6	20,300	34.3	207.3	18,500	210
215													10.2	155.7	21,200	23.2	185.8	19,500	31.0	199.4	17,800	215
220																18.0	172.2	18,800	27.2	190.2	17,100	220
225																10.5	151.8	18,000	22.9	179.3	16,400	225
230																			17.6	165.4	15,800	230
235																			9.8	144.3	15,100	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	66,900*																90
95	63.5	290.3	60,500*	67.7	294.0	64,700*																95
100	61.6	287.6	58,200*	65.8	291.8	63,300*																100
105	59.7	284.8	55,100*	64.0	289.4	61,000*	66.4	291.1	63,700*													105
110	57.7	281.7	51,200*	62.1	286.8	58,700*	64.6	288.8	61,400*													110
115	55.7	278.4	47,800*	60.1	284.0	56,100*	62.7	286.3	59,200*													115
120	53.6	274.7	44,700*	58.2	280.9	52,100*	60.8	283.5	56,300													120
125	51.5	270.9	41,900*	56.2	277.7	48,600*	58.8	280.6	53,300	63.0	283.7	49,900										125
130	49.3	266.6	39,300*	54.1	274.1	45,400*	56.8	277.4	49,700*	61.1	281.0	47,300										130
135	47.0	262.1	37,000*	52.0	270.3	42,500*	54.8	273.9	46,400*	59.2	278.1	45,000										135
140	44.6	257.2	34,900*	49.8	266.2	39,900*	52.7	270.2	43,400*	57.2	274.9	42,800										140
145	42.1	251.8	32,900*	47.5	261.7	37,500*	50.5	266.2	40,800*	55.1	271.5	40,800										145
150	39.5	245.9	31,100*	45.2	256.9	35,400*	48.3	261.8	38,300*	53.0	267.8	39,000	57.4	271.3	36,200							150
155	36.8	239.4	29,400*	42.7	251.6	33,400*	46.0	257.1	36,100*	50.9	263.8	37,200	55.3	267.9	34,600							155
160	33.8	232.3	27,900*	40.2	245.8	31,500*	43.5	252.0	34,000*	48.7	259.5	35,600	53.3	264.3	33,000							160
165	30.6	224.2	26,400*	37.4	239.5	29,800*	41.0	246.4	32,100*	46.4	254.9	34,100	51.1	260.3	31,600							165
170	27.1	215.0	25,100*	34.6	232.5	28,200*	38.3	240.3	30,400*	44.0	249.8	32,700	48.9	256.1	30,300							170
175	23.1	204.1	23,800*	31.4	224.7	26,800*	35.5	233.5	28,800*	41.5	244.3	31,400	46.6	251.5	29,000	51.2	255.6	26,700				175
180	18.2	190.5	22,600*	28.0	215.8	25,400*	32.5	226.0	27,200*	38.8	238.3	30,100	44.2	246.4	27,800	49.0	251.3	25,600				180
185	11.4	170.9	20,100*	24.1	205.3	24,100*	29.1	217.4	25,800*	36.0	231.7	28,900	41.7	241.0	26,700	46.7	246.7	24,600				185
190				19.4	192.5	22,900*	25.4	207.6	24,500*	33.0	224.3	27,500*	39.1	235.0	25,700	44.3	241.7	23,600				190
195				13.3	175.0	21,700*	21.0	195.7	23,300*	29.7	215.9	26,100*	36.3	228.5	24,700	41.8	236.3	22,600	46.5	240.7	20,700	195
200							15.6	180.1	22,100*	26.1	206.3	24,800*	33.3	221.2	23,700	39.2	230.4	21,700	44.2	235.7	19,800	200
205							6.3	153.1	20,200*	21.8	194.8	23,500*	30.1	212.9	22,800	36.4	223.8	20,900	41.7	230.2	19,100	205
210										16.6	180.2	22,300*	26.5	203.5	21,900	33.4	216.5	20,100	39.0	224.2	18,300	210
215										8.6	157.0	21,200*	22.3	192.2	21,100	30.2	208.3	19,300	36.2	217.7	17,600	215
220													17.3	178.0	20,300	26.6	198.9	18,600	33.3	210.3	16,900	220
225													9.8	156.6	19,500	22.5	187.8	17,900	30.0	202.1	16,200	225
230																17.5	173.7	17,200	26.4	192.6	15,600	230
235																10.2	152.6	16,500	22.2	181.3	15,000	235
240																			17.1	166.9	14,400	240
245																			9.5	145.1	13,800	245

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	61,500*																95
100	63.3	299.0	56,600*	67.3	302.7	59,800*																100
105	61.5	296.3	54,500*	65.5	300.5	58,400*	67.8	302.0	61,500*													105
110	59.7	293.4	50,700*	63.8	298.1	57,000*	66.1	299.8	59,400*													110
115	57.8	290.4	47,200*	62.0	295.4	55,000*	64.3	297.5	57,300*													115
120	55.9	287.1	44,100*	60.1	292.6	51,600*	62.5	295.0	55,300*													120
125	54.0	283.5	41,300*	58.3	289.6	48,000*	60.7	292.2	52,800*													125
130	52.0	279.7	38,800*	56.4	286.3	44,900*	58.9	289.2	49,200*	62.9	292.4	46,800										130
135	49.9	275.5	36,500*	54.4	282.8	42,000*	57.0	286.1	45,900*	61.0	289.7	44,400										135
140	47.8	271.1	34,300*	52.4	279.1	39,400*	55.1	282.6	42,900*	59.2	286.7	42,300										140
145	45.6	266.3	32,400*	50.4	275.0	37,000*	53.1	279.0	40,200*	57.3	283.6	40,300										145
150	43.3	261.1	30,600*	48.3	270.7	34,800*	51.1	275.0	37,800*	55.4	280.2	38,500										150
155	40.9	255.5	28,900*	46.1	266.0	32,800*	49.0	270.8	35,500*	53.4	276.6	36,700	57.5	280.0	34,000							155
160	38.4	249.4	27,300*	43.8	260.9	31,000*	46.8	266.2	33,500*	51.4	272.7	35,100	55.6	276.6	32,500							160
165	35.7	242.7	25,900*	41.5	255.4	29,300*	44.6	261.2	31,600*	49.3	268.5	33,600	53.7	273.0	31,100							165
170	32.8	235.2	24,500*	39.0	249.4	27,700*	42.2	255.9	29,800*	47.2	263.9	32,200	51.6	269.1	29,700							170
175	29.7	226.9	23,300*	36.3	242.8	26,200*	39.8	250.0	28,200*	45.0	259.1	30,900	49.6	265.0	28,500							175
180	26.3	217.3	22,100*	33.5	235.5	24,900*	37.2	243.7	26,700*	42.6	253.8	29,600	47.4	260.5	27,300	51.7	264.4	25,100				180
185	22.4	206.1	21,000*	30.5	227.4	23,600*	34.5	236.6	25,300*	40.2	248.0	28,500	45.2	255.6	26,200	49.6	260.2	24,000				185
190	17.6	192.0	19,900*	27.2	218.2	22,400*	31.5	228.8	24,000*	37.7	241.7	27,000*	42.9	250.4	25,200	47.5	255.8	23,000				190
195	11.0	171.9	17,600*	23.4	207.4	21,200*	28.3	220.0	22,800*	35.0	234.8	25,600*	40.5	244.7	24,200	45.3	250.9	22,100				195
200				18.9	194.2	20,200*	24.7	209.7	21,600*	32.0	227.2	24,200*	38.0	238.5	23,200	43.0	245.7	21,200	47.4	249.7	19,300	200
205				12.9	176.1	19,100*	20.4	197.4	20,500*	28.9	218.5	23,000*	35.3	231.7	22,300	40.6	240.0	20,400	45.1	244.9	18,500	205
210							15.1	181.5	19,500*	25.3	208.6	21,800*	32.4	224.1	21,500	38.0	233.8	19,600	42.8	239.6	17,700	210
215							6.1	153.6	17,800*	21.2	196.7	20,700*	29.2	215.5	20,600	35.3	227.0	18,800	40.4	233.9	17,000	215
220										16.1	181.6	19,700*	25.7	205.8	19,900	32.5	219.5	18,100	37.9	227.7	16,300	220
225										8.4	157.7	18,700*	21.7	194.2	19,100	29.3	211.0	17,400	35.2	220.8	15,700	225
230													16.8	179.5	18,400	25.8	201.2	16,700	32.3	213.2	15,100	230
235													9.5	157.4	17,600	21.8	189.7	16,000	29.1	204.7	14,400	235
240																16.9	175.1	15,400	25.6	194.8	13,900	240
245																9.9	153.5	14,800	21.6	183.2	13,300	245
250																			16.6	168.4	12,800	250
255																			9.3	145.8	12,200	255

MANITOWOC ENGINEERING CO.

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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	55,300*																105
110	61.5	305.0	50,200*	65.2	309.2	54,000*	67.4	310.8	57,500*													110
115	59.7	302.1	46,700*	63.6	306.7	52,800*	65.8	308.6	55,600*													115
120	58.0	299.0	43,600*	61.9	304.1	51,100*	64.1	306.2	53,800*													120
125	56.1	295.7	40,800*	60.1	301.3	47,600*	62.4	303.6	51,900*													125
130	54.3	292.2	38,300*	58.4	298.3	44,400*	60.7	300.9	48,700*													130
135	52.4	288.5	36,000*	56.6	295.0	41,500*	58.9	297.9	45,400*	62.7	301.0	44,000										135
140	50.5	284.4	33,800*	54.7	291.6	38,900*	57.2	294.7	42,400*	61.0	298.3	41,800										140
145	48.5	280.1	31,900*	52.9	287.9	36,500*	55.3	291.4	39,700*	59.2	295.4	39,900										145
150	46.4	275.4	30,100*	50.9	283.9	34,300*	53.5	287.7	37,300*	57.5	292.3	38,000										150
155	44.3	270.4	28,400*	49.0	279.6	32,300*	51.6	283.8	35,000*	55.7	288.9	36,300										155
160	42.1	265.0	26,800*	46.9	275.0	30,500*	49.6	279.7	33,000*	53.8	285.3	34,700	57.7	288.6	32,000							160
165	39.7	259.2	25,400*	44.8	270.1	28,800*	47.6	275.2	31,100*	51.9	281.5	33,200	55.9	285.3	30,600							165
170	37.3	252.8	24,000*	42.6	264.8	27,200*	45.5	270.4	29,400*	49.9	277.4	31,800	54.0	281.8	29,300							170
175	34.7	245.8	22,800*	40.3	259.1	25,700*	43.3	265.2	27,700*	47.9	272.9	30,500	52.1	277.9	28,000							175
180	31.9	238.1	21,600*	37.9	252.8	24,400*	41.1	259.6	26,200*	45.8	268.2	29,200	50.2	273.9	26,900							180
185	28.9	229.5	20,500*	35.3	246.0	23,100*	38.7	253.6	24,800*	43.7	263.1	28,000*	48.2	269.5	25,800	52.2	273.2	23,500				185
190	25.6	219.6	19,400*	32.6	238.5	21,900*	36.2	246.9	23,500*	41.4	257.6	26,500*	46.1	264.8	24,700	50.2	269.1	22,600				190
195	21.8	208.0	18,400*	29.7	230.1	20,800*	33.5	239.6	22,300*	39.1	251.6	25,100*	43.9	259.7	23,700	48.2	264.7	21,600				195
200	17.2	193.5	17,500*	26.4	220.5	19,700*	30.6	231.5	21,100*	36.6	245.1	23,700*	41.7	254.2	22,800	46.1	260.0	20,800				200
205	10.7	172.8	15,400*	22.7	209.4	18,700*	27.5	222.4	20,000*	34.0	237.9	22,500*	39.4	248.3	21,900	44.0	255.0	19,900				205
210				18.3	195.8	17,700*	24.0	211.9	19,000*	31.2	230.0	21,300*	36.9	241.8	21,000	41.8	249.5	19,100	46.0	254.0	17,300	210
215				12.5	177.2	16,800*	19.9	199.2	18,000*	28.1	221.0	20,200*	34.3	234.8	20,200	39.4	243.6	18,400	43.9	248.9	16,600	215
220							14.7	182.7	17,100*	24.6	210.7	19,200*	31.5	226.9	19,500	37.0	237.2	17,600	41.6	243.4	15,900	220
225							5.9	154.1	15,600*	20.6	198.5	18,200*	28.4	218.1	18,700	34.4	230.1	16,900	39.3	237.5	15,200	225
230										15.7	182.9	17,300*	25.0	208.0	18,000	31.6	222.3	16,300	36.8	231.0	14,600	230
235										8.1	158.4	16,400*	21.1	196.0	17,300	28.5	213.5	15,600	34.2	223.9	14,000	235
240													16.3	180.9	16,600	25.1	203.4	15,000	31.4	216.0	13,400	240
245													9.3	158.2	16,000	21.2	191.5	14,400	28.3	207.2	12,900	245
250																16.5	176.6	13,900	24.9	197.0	12,400	250
255																9.6	154.3	13,300	21.0	185.0	11,800	255
260																			16.1	169.8	11,300	260
265																			9.0	146.6	10,800	265

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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
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207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	48,300*	67.1	319.5	51,900*													115
120	59.7	310.8	41,900*	63.4	315.4	47,100*	65.5	317.3	49,800*													120
125	58.1	307.7	39,800*	61.8	312.8	45,000*	63.9	314.9	47,700*													125
130	56.3	304.4	37,900*	60.1	310.0	42,800*	62.3	312.3	45,600*													130
135	54.6	300.9	35,900*	58.5	306.9	40,800*	60.7	309.5	43,500*													135
140	52.8	297.2	33,700*	56.7	303.7	38,700*	59.0	306.6	41,500*	62.6	309.7	41,300										140
145	51.0	293.3	31,700*	55.0	300.3	36,400*	57.3	303.4	39,500*	60.9	307.0	39,300										145
150	49.1	289.0	29,800*	53.2	296.6	34,200*	55.6	300.1	37,200*	59.3	304.1	37,500										150
155	47.2	284.5	28,100*	51.4	292.7	32,200*	53.8	296.5	34,900*	57.6	300.9	35,800										155
160	45.2	279.6	26,600*	49.5	288.5	30,300*	52.0	292.6	32,800*	55.9	297.6	34,200										160
165	43.1	274.4	25,100*	47.6	284.1	28,600*	50.2	288.6	30,900*	54.1	294.1	32,700	57.8	297.3	30,100							165
170	40.9	268.8	23,700*	45.6	279.3	26,900*	48.3	284.2	29,100*	52.3	290.3	31,300	56.1	294.0	28,700							170
175	38.7	262.7	22,400*	43.6	274.1	25,400*	46.3	279.5	27,500*	50.5	286.2	30,000	54.3	290.5	27,500							175
180	36.3	256.1	21,200*	41.5	268.6	24,100*	44.3	274.5	25,900*	48.6	281.9	28,700	52.5	286.7	26,300							180
185	33.8	248.9	20,100*	39.2	262.7	22,800*	42.2	269.1	24,500*	46.6	277.3	27,500	50.7	282.7	25,200							185
190	31.1	240.9	19,000*	36.9	256.2	21,500*	40.0	263.3	23,200*	44.6	272.3	26,200*	48.8	278.4	24,200	52.6	282.0	22,000				190
195	28.2	232.0	18,000*	34.4	249.1	20,400*	37.7	257.0	21,900*	42.5	267.0	24,800*	46.9	273.8	23,200	50.7	278.0	21,100				195
200	24.9	221.8	17,100*	31.8	241.3	19,300*	35.2	250.1	20,800*	40.3	261.3	23,400*	44.8	268.9	22,300	48.9	273.7	20,200				200
205	21.2	209.8	16,200*	28.9	232.6	18,300*	32.6	242.6	19,700*	38.1	255.1	22,200*	42.8	263.6	21,400	46.9	269.1	19,400				205
210	16.7	195.0	15,300*	25.7	222.8	17,300*	29.8	234.2	18,600*	35.7	248.3	21,000*	40.6	257.9	20,500	44.9	264.2	18,600				210
215	10.4	173.7	13,400*	22.1	211.3	16,400*	26.8	224.8	17,600*	33.1	240.9	19,900*	38.3	251.8	19,700	42.8	258.9	17,800	46.8	263.1	16,000	215
220				17.9	197.3	15,600*	23.4	213.9	16,700*	30.3	232.7	18,800*	35.9	245.1	19,000	40.7	253.3	17,100	44.8	258.1	15,300	220
225				12.2	178.2	14,700*	19.4	200.9	15,800*	27.3	223.4	17,800*	33.4	237.8	18,200	38.4	247.1	16,400	42.7	252.9	14,700	225
230							14.3	184.0	15,000*	24.0	212.9	16,900*	30.6	229.6	17,500	36.0	240.4	15,800	40.5	247.2	14,100	230
235							5.7	154.6	13,700*	20.1	200.3	16,000*	27.7	220.5	16,900	33.5	233.1	15,100	38.2	241.0	13,500	235
240										15.3	184.2	15,200*	24.4	210.1	16,200	30.7	225.0	14,500	35.9	234.3	12,900	240
245										7.9	159.1	14,300*	20.6	197.8	15,600	27.8	216.0	13,900	33.3	226.9	12,400	245
250													15.9	182.3	15,000	24.5	205.6	13,400	30.6	218.8	11,800	250
255													9.0	158.9	14,300	20.7	193.4	12,800	27.6	209.6	11,300	255
260																16.0	178.0	12,300	24.3	199.2	10,800	260
265																9.3	155.1	11,800	20.4	186.8	10,400	265
270																			15.7	171.1	9,900	270
275																			8.8	147.3	9,400	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	123,500*b																60
65	49.4	200.9	102,800*	61.5	208.0	116,200*b																65
70	43.6	196.0	97,600*	56.7	204.9	109,700*b	63.5	207.7	117,000b													70
75	37.2	189.9	89,900*	51.6	201.1	103,800*	58.8	204.9	107,300b													75
80	29.5	182.0	81,700*	46.0	196.6	98,500*	53.8	201.4	99,000b													80
85	19.1	170.4	74,600*	39.9	191.0	93,800*	48.5	197.2	91,800	60.4	202.7	86,600b										85
90				32.8	184.0	84,900*	42.6	192.1	85,400	55.5	199.4	80,600b										90
95				23.9	174.3	77,400*	36.0	185.8	79,900	50.3	195.5	75,400										95
100				7.8	155.3	71,000*	28.0	177.4	74,900	44.7	190.7	70,700	56.9	196.1	66,500b							100
105							16.8	164.7	70,300	38.4	184.9	66,500	51.8	192.4	62,600							105
110										31.0	177.4	62,700	46.3	187.9	59,000							110
115										21.3	166.7	59,200	40.2	182.4	55,800	52.8	188.0	52,300				115
120													33.2	175.4	52,800	47.4	183.6	49,600				120
125													24.4	165.9	50,100	41.4	178.3	47,100				125
130													9.2	148.1	47,500	34.6	171.7	44,700	47.9	177.9	41,800	130
135																26.3	162.8	42,500	42.0	172.7	39,800	135
140																13.6	148.2	40,500	35.3	166.3	38,000	140
145																			27.2	157.7	36,200	145
150																			15.3	144.0	34,500	150

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	120,200*b																60
65	55.3	213.7	100,100*	65.4	219.3	113,200*b																65
70	50.8	209.8	95,000*	61.3	216.7	107,000*b	67.0	218.8	115,000*b													70
75	45.9	205.3	90,300*	57.1	213.6	101,300*	63.1	216.4	106,800b													75
80	40.6	199.8	82,000*	52.7	209.9	96,100*	58.9	213.5	98,500b													80
85	34.6	193.1	74,900*	48.0	205.7	91,400*	54.6	210.1	91,300													85
90	27.5	184.4	68,800*	42.8	200.6	85,200*	50.0	206.1	85,000	60.4	211.3	80,000b										90
95	17.8	171.9	63,600*	37.2	194.4	77,700*	45.1	201.4	79,400	56.1	208.1	74,800										95
100				30.6	186.7	71,300*	39.7	195.8	74,500	51.6	204.3	70,200										100
105				22.3	176.2	65,700*	33.5	188.8	70,100	46.8	199.9	66,000	57.3	204.8	61,900							105
110				7.2	155.9	60,800*	26.1	179.7	66,100	41.6	194.6	62,200	52.9	201.2	58,400							110
115							15.6	166.0	62,400	35.7	188.1	58,800	48.2	197.0	55,200							115
120										28.9	179.9	55,700	43.1	191.9	52,300							120
125										19.9	168.4	52,800	37.4	185.8	49,600	49.1	192.6	46,400				125
130													30.9	178.2	47,200	44.1	187.7	44,100				130
135													22.7	167.9	44,900	38.6	181.9	42,000				135
140													8.5	148.8	42,600	32.3	174.6	40,000	44.6	182.1	37,300	140
145																24.5	165.0	38,200	39.1	176.3	35,600	145
150																12.7	149.3	36,400	32.9	169.2	34,000	150
155																			25.3	159.9	32,500	155
160																			14.2	145.2	31,000	160

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	110,400*b																65
70	55.9	222.4	92,800*	64.8	228.0	104,500*b																70
75	51.9	218.7	88,300*	61.2	225.3	99,000*	66.3	227.5	106,300b													75
80	47.7	214.3	82,200*	57.4	222.3	94,000*	62.7	225.1	98,000													80
85	43.1	209.3	75,100*	53.5	218.7	89,500*	59.1	222.2	90,900													85
90	38.2	203.3	69,000*	49.4	214.6	85,300*	55.2	218.9	84,600													90
95	32.5	196.0	63,700*	45.0	209.9	77,900*	51.2	215.0	79,100	60.3	220.0	74,300										95
100	25.8	186.7	59,100*	40.2	204.3	71,400*	46.9	210.5	74,200	56.6	216.8	69,700										100
105	16.7	173.3	55,000*	34.9	197.6	65,800*	42.3	205.3	69,800	52.6	213.2	65,600										105
110				28.7	189.3	60,900*	37.3	199.2	65,800	48.4	208.9	61,800	57.6	213.5	57,900							110
115				20.9	178.0	56,600*	31.5	191.6	62,200	44.0	204.0	58,500	53.7	210.0	54,800							115
120				6.7	156.4	52,700*	24.6	181.9	58,400*	39.1	198.2	55,400	49.6	205.9	51,900							120
125							14.7	167.2	54,400*	33.6	191.2	52,600	45.2	201.2	49,200							125
130										27.1	182.3	50,000	40.5	195.6	46,800	50.4	201.5	43,700				130
135										18.7	170.0	47,500	35.2	189.0	44,600	46.1	196.9	41,600				135
140													29.1	180.8	42,500	41.4	191.6	39,600				140
145													21.3	169.7	40,500	36.3	185.2	37,800	46.5	191.3	35,200	145
150													8.0	149.5	38,600	30.3	177.3	36,100	41.9	186.0	33,600	150
155																23.0	167.0	34,500	36.8	179.7	32,100	155
160																11.9	150.3	33,000	30.9	172.0	30,700	160
165																			23.8	162.0	29,400	165
170																			13.4	146.4	28,100	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	72.3	243.6	111,500*b																			50
55	69.3	241.8	105,200*b																			55
60	66.2	239.6	99,600*																			60
65	63.0	237.2	94,400*	70.5	241.0	106,300*b																65
70	59.7	234.4	89,700*	67.5	239.0	100,800*b																70
75	56.3	231.1	85,400*	64.3	236.7	95,700*																75
80	52.7	227.5	81,400*	61.1	234.0	90,900*	65.7	236.2	97,100*													80
85	49.0	223.3	75,400*	57.7	230.9	86,600*	62.5	233.7	90,300													85
90	45.0	218.5	69,200*	54.2	227.5	82,600*	59.2	230.9	84,100													90
95	40.8	213.0	63,900*	50.6	223.5	78,300*	55.7	227.6	78,600													95
100	36.1	206.5	59,200*	46.7	219.0	71,700*	52.1	223.8	73,700	60.3	228.6	69,100										100
105	30.8	198.7	55,000*	42.6	213.8	66,000*	48.4	219.6	69,300	56.9	225.5	65,000										105
110	24.4	188.9	51,300*	38.1	207.7	61,100*	44.4	214.7	65,300	53.4	221.9	61,300										110
115	15.8	174.7	48,000*	33.0	200.6	56,700*	40.0	209.0	61,800	49.7	217.9	57,900	57.9	222.2	54,100							115
120				27.2	191.7	52,800*	35.3	202.4	58,500	45.8	213.2	54,900	54.4	218.7	51,200							120
125				19.8	179.8	49,400*	29.8	194.3	54,500*	41.6	207.8	52,100	50.7	214.8	48,600							125
130				6.3	156.9	46,200*	23.3	184.0	50,800*	37.0	201.5	49,500	46.9	210.3	46,200							130
135							13.9	168.4	47,600*	31.8	194.0	47,100	42.8	205.1	44,000	51.4	210.4	40,900				135
140										25.7	184.6	44,900	38.3	199.1	41,900	47.6	206.0	39,000				140
145										17.7	171.5	42,800	33.3	192.0	40,000	43.6	201.0	37,200				145
150													27.5	183.2	38,200	39.2	195.2	35,500	48.0	200.3	32,900	150
155													20.2	171.5	36,500	34.3	188.3	34,000	44.0	195.3	31,500	155
160													7.5	150.1	34,900	28.7	179.9	32,500	39.6	189.6	30,100	160
165																21.8	168.9	31,100	34.8	182.8	28,800	165
170																11.2	151.2	29,800	29.3	174.6	27,600	170
175																			22.5	164.0	26,500	175
180																			12.6	147.4	25,300	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.0	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	98,300*																70
75	59.7	243.0	83,600*	66.8	247.7	93,500*																75
80	56.6	239.8	79,800*	63.9	245.3	89,000*	68.0	247.2	94,800*													80
85	53.4	236.3	76,200*	61.0	242.6	84,900*	65.2	244.9	89,800													85
90	50.1	232.2	70,700*	57.9	239.6	81,000*	62.2	242.4	83,600													90
95	46.6	227.7	65,300*	54.8	236.2	77,500*	59.2	239.5	78,100													95
100	42.8	222.5	60,500*	51.5	232.4	73,200*	56.1	236.3	73,200													100
105	38.8	216.5	56,200*	48.0	228.0	67,400*	52.9	232.6	68,800	60.3	237.3	64,500										105
110	34.3	209.6	52,500*	44.4	223.1	62,400*	49.5	228.5	64,900	57.2	234.2	60,800										110
115	29.3	201.4	49,100*	40.5	217.5	57,900*	46.0	223.8	61,300	54.0	230.7	57,400										115
120	23.3	190.9	45,900*	36.2	211.0	54,000*	42.2	218.6	58,100	50.7	226.7	54,400										120
125	15.0	176.0	42,500*	31.4	203.4	50,500*	38.1	212.5	55,100	47.2	222.3	51,600	54.9	227.5	48,100							125
130				25.9	194.0	47,300*	33.6	205.4	51,900*	43.5	217.2	49,000	51.6	223.6	45,700							130
135				18.8	181.4	44,400*	28.4	196.8	48,600*	39.5	211.4	46,700	48.2	219.3	43,500							135
140				6.0	157.3	40,300*	22.1	185.9	45,600*	35.2	204.7	44,500	44.5	214.4	41,500	52.3	219.2	38,500				140
145							13.2	169.5	42,900*	30.2	196.7	42,500	40.6	208.9	39,600	48.9	215.0	36,700				145
150										24.4	186.8	40,600	36.4	202.4	37,800	45.3	210.2	35,100				150
155										16.8	173.0	38,800	31.7	194.8	36,200	41.4	204.8	33,500				155
160													26.2	185.5	34,600	37.3	198.5	32,100	45.6	204.5	29,600	160
165													19.2	173.2	33,100	32.6	191.2	30,700	41.8	199.2	28,300	165
170													7.2	150.6	31,700	27.3	182.3	29,400	37.7	193.0	27,100	170
175																20.7	170.7	28,200	33.1	185.8	26,000	175
180																10.7	152.1	27,000	27.8	177.1	25,000	180
185																			21.4	165.8	23,900	185
190																			12.0	148.4	22,900	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.4	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	90,900*																75
80	59.7	251.7	77,800*	66.2	256.4	86,700*																80
85	56.9	248.5	74,400*	63.6	254.0	82,700*	67.4	255.9	88,000*													85
90	54.0	245.0	70,400*	60.9	251.3	79,100*	64.7	253.6	83,000													90
95	51.0	241.1	64,900*	58.1	248.3	75,700*	62.0	251.1	77,500													95
100	47.8	236.7	60,100*	55.2	244.9	72,400*	59.3	248.2	72,700													100
105	44.4	231.8	55,800*	52.2	241.2	67,000*	56.5	245.0	68,300	63.0	248.7	63,900										105
110	40.9	226.2	52,100*	49.1	237.0	62,000*	53.5	241.4	64,400	60.2	246.0	60,200										110
115	37.0	219.9	48,700*	45.8	232.3	57,500*	50.5	237.4	60,900	57.4	242.9	56,900										115
120	32.8	212.6	45,700*	42.4	227.0	53,600*	47.3	232.9	57,600	54.5	239.4	53,800										120
125	28.0	203.8	42,900*	38.6	221.0	50,000*	43.9	227.9	54,700	51.5	235.6	51,100										125
130	22.2	192.9	39,700*	34.6	214.2	46,900*	40.3	222.3	51,500*	48.4	231.3	48,500	55.3	236.2	45,100							130
135	14.4	177.2	37,000*	30.0	206.1	44,000*	36.4	215.8	48,200*	45.1	226.5	46,200	52.4	232.4	42,900							135
140				24.7	196.1	41,400*	32.1	208.3	45,200*	41.5	221.0	44,000	49.3	228.3	40,900							140
145				18.0	182.9	39,000*	27.1	199.2	42,500*	37.7	214.9	42,000	46.0	223.6	39,000	52.9	228.0	36,100				145
150				5.7	157.8	35,600*	21.1	187.7	40,100*	33.6	207.7	40,100	42.5	218.4	37,300	49.9	223.9	34,400				150
155							12.6	170.6	37,800*	28.9	199.3	38,400	38.8	212.4	35,600	46.6	219.3	32,900				155
160										23.4	188.8	36,700	34.8	205.6	34,100	43.2	214.2	31,500				160
165										16.0	174.4	35,200	30.3	197.5	32,700	39.6	208.4	30,200	46.9	213.6	27,700	165
170													25.0	187.7	31,300	35.6	201.8	28,900	43.5	208.6	26,500	170
175													18.4	174.8	30,000	31.2	194.0	27,700	39.9	202.9	25,400	175
180													6.8	151.2	28,700	26.1	184.6	26,600	36.0	196.3	24,400	180
185																19.8	172.4	25,500	31.6	188.6	23,400	185
190																10.2	152.9	24,400	26.6	179.4	22,500	190
195																			20.5	167.6	21,500	195
200																			11.5	149.4	20,600	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.2	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	88,500*																75
80	62.3	263.2	76,000*	68.2	267.3	84,500*																80
85	59.8	260.3	72,700*	65.8	265.1	80,800*																85
90	57.2	257.2	69,700*	63.3	262.7	77,300*	66.8	264.6	82,000*													90
95	54.5	253.7	64,800*	60.8	260.0	74,000*	64.4	262.3	77,300													95
100	51.7	249.9	59,900*	58.2	257.0	71,000*	61.9	259.7	72,400													100
105	48.8	245.7	55,700*	55.6	253.6	66,900*	59.3	256.8	68,100													105
110	45.8	241.0	51,900*	52.9	249.9	61,900*	56.7	253.7	64,200	62.7	257.4	59,900										110
115	42.6	235.7	48,600*	50.0	245.9	57,400*	54.0	250.1	60,600	60.2	254.6	56,600										115
120	39.2	229.8	45,500*	47.0	241.4	53,400*	51.2	246.2	57,400	57.6	251.5	53,600										120
125	35.5	223.1	42,800*	43.9	236.4	49,900*	48.3	241.9	54,500	55.0	248.1	50,800										125
130	31.5	215.4	40,300*	40.6	230.7	46,700*	45.3	237.1	51,400*	52.2	244.4	48,300										130
135	26.8	206.2	37,400*	37.1	224.4	43,900*	42.1	231.8	48,100*	49.3	240.2	46,000	55.7	244.9	42,700							135
140	21.3	194.7	34,800*	33.2	217.1	41,300*	38.6	225.8	45,100*	46.3	235.6	43,800	53.0	241.2	40,700							140
145	13.8	178.4	32,500*	28.8	208.6	38,900*	34.9	218.9	42,400*	43.2	230.4	41,800	50.1	237.2	38,800							145
150				23.7	198.2	36,700*	30.7	211.0	39,900*	39.8	224.7	40,000	47.2	232.7	37,100							150
155				17.3	184.4	34,700*	26.0	201.5	37,700*	36.2	218.2	38,200	44.1	227.7	35,400	50.7	232.8	32,700				155
160				5.5	158.2	31,800*	20.3	189.5	35,600*	32.2	210.6	36,600	40.8	222.1	33,900	47.8	228.4	31,300				160
165							12.1	171.6	33,700*	27.7	201.8	35,100	37.2	215.8	32,500	44.7	223.5	29,900				165
170										22.4	190.8	33,600	33.3	208.6	31,200	41.4	218.0	28,700				170
175										15.4	175.7	32,300	29.0	200.1	29,900	37.9	211.9	27,500	45.0	217.8	25,200	175
180													24.0	189.9	28,700	34.1	204.9	26,400	41.7	212.4	24,200	180
185													17.6	176.3	27,500	29.9	196.7	25,400	38.3	206.3	23,200	185
190													6.5	151.7	26,400	25.0	186.8	24,400	34.5	199.4	22,300	190
195																19.0	174.1	23,400	30.3	191.4	21,400	195
200																9.8	153.8	22,400	25.5	181.7	20,600	200
205																			19.6	169.3	19,700	205
210																			11.0	150.3	18,900	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.4	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	82,000*																80
85	62.1	271.8	70,800*	67.6	276.1	78,500*																85
90	59.8	269.0	67,900*	65.4	273.8	75,200*																90
95	57.4	265.9	64,300*	63.1	271.4	72,100*	66.3	273.4	76,200*													95
100	54.9	262.5	59,500*	60.8	268.6	69,200*	64.1	271.0	71,900													100
105	52.3	258.7	55,200*	58.4	265.6	66,500*	61.8	268.4	67,600													105
110	49.7	254.6	51,500*	55.9	262.3	61,400*	59.4	265.5	63,700													110
115	46.9	250.0	48,100*	53.4	258.7	57,000*	57.0	262.3	60,100	62.6	266.1	56,000										115
120	44.0	245.0	45,100*	50.8	254.7	53,000*	54.5	258.9	56,900	60.2	263.3	53,000										120
125	41.0	239.5	42,300*	48.1	250.4	49,500*	51.9	255.0	54,000	57.8	260.2	50,300										125
130	37.7	233.3	39,800*	45.2	245.6	46,300*	49.2	250.9	50,900*	55.3	256.9	47,800										130
135	34.2	226.2	37,500*	42.2	240.2	43,400*	46.5	246.2	47,600*	52.8	253.2	45,400										135
140	30.3	218.1	35,200*	39.1	234.3	40,800*	43.5	241.2	44,600*	50.2	249.1	43,300	56.0	253.6	40,100							140
145	25.8	208.5	32,900*	35.6	227.6	38,500*	40.4	235.5	41,900*	47.4	244.6	41,300	53.5	250.0	38,200							145
150	20.5	196.5	30,700*	31.9	220.0	36,300*	37.1	229.2	39,500*	44.5	239.7	39,500	50.9	246.0	36,500							150
155	13.2	179.5	28,800*	27.7	211.1	34,300*	33.6	222.0	37,200*	41.5	234.3	37,700	48.2	241.7	34,900							155
160				22.8	200.2	32,400*	29.6	213.7	35,100*	38.3	228.2	36,100	45.4	236.9	33,400	51.4	241.6	30,700				160
165				16.6	185.9	30,700*	25.0	203.8	33,200*	34.8	221.3	34,600	42.4	231.6	32,000	48.7	237.3	29,400				165
170				5.3	158.6	28,200*	19.5	191.2	31,500*	31.0	213.4	33,200	39.2	225.7	30,600	45.9	232.6	28,100				170
175							11.6	172.6	29,800*	26.7	204.1	31,900	35.8	219.0	29,400	43.0	227.5	27,000				175
180										21.6	192.7	30,600	32.1	211.5	28,200	39.8	221.7	25,900	46.2	227.0	23,600	180
185										14.8	177.0	29,400	27.9	202.6	27,100	36.5	215.2	24,800	43.2	221.8	22,600	185
190													23.1	191.9	26,000	32.8	207.8	23,800	40.1	216.1	21,700	190
195													16.9	177.8	25,000	28.8	199.2	22,900	36.8	209.7	20,800	195
200													6.3	152.2	24,000	24.1	188.9	22,000	33.2	202.4	20,000	200
205																18.3	175.7	21,100	29.2	194.0	19,200	205
210																9.4	154.5	20,300	24.6	183.9	18,500	210
215																			18.9	171.0	17,700	215
220																			10.6	151.2	17,000	220

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	75,600*																85
90	62.0	280.5	65,800*	67.1	284.8	72,500*																90
95	59.8	277.7	63,200*	65.0	282.5	69,700*	68.0	284.3	73,400*													95
100	57.6	274.6	60,500*	62.9	280.0	67,000*	65.9	282.1	70,600*													100
105	55.2	271.2	56,200*	60.7	277.3	64,400*	63.8	279.7	67,100													105
110	52.9	267.5	52,300*	58.5	274.3	61,900*	61.6	277.0	63,200													110
115	50.4	263.5	48,800*	56.2	271.0	57,900*	59.4	274.2	59,700													115
120	47.9	259.1	45,700*	53.8	267.5	53,800*	57.2	271.0	56,500	62.4	274.7	52,500										120
125	45.2	254.2	42,900*	51.4	263.6	50,200*	54.9	267.6	53,500	60.2	271.9	49,800										125
130	42.4	248.9	40,300*	48.9	259.3	47,000*	52.5	263.8	50,900	58.0	268.9	47,300										130
135	39.5	243.1	38,000*	46.3	254.7	44,000*	50.0	259.8	48,300*	55.7	265.6	44,900										135
140	36.4	236.5	35,800*	43.6	249.6	41,400*	47.4	255.3	45,300*	53.3	261.9	42,800										140
145	33.0	229.2	33,500*	40.7	244.0	38,900*	44.8	250.4	42,500*	50.9	258.0	40,800	56.3	262.3	37,700							145
150	29.2	220.7	31,300*	37.7	237.7	36,700*	42.0	245.0	40,000*	48.3	253.6	39,000	54.0	258.7	36,000							150
155	24.9	210.7	29,300*	34.4	230.7	34,700*	39.0	239.1	37,700*	45.7	248.9	37,300	51.5	254.9	34,400							155
160	19.8	198.3	27,500*	30.8	222.8	32,800*	35.8	232.4	35,500*	42.9	243.7	35,700	49.0	250.6	32,900							160
165	12.8	180.6	25,800*	26.7	213.5	31,100*	32.4	224.9	33,600*	40.0	237.9	34,200	46.4	246.0	31,500	52.0	250.4	28,900				165
170				22.0	202.2	29,400*	28.5	216.2	31,800*	36.9	231.5	32,800	43.7	240.9	30,200	49.5	246.3	27,600				170
175				16.0	187.3	27,900*	24.2	205.9	30,100*	33.6	224.3	31,500	40.9	235.3	28,900	47.0	241.7	26,500				175
180				5.1	159.0	24,300*	18.8	192.9	28,600*	29.9	216.1	30,200	37.8	229.1	27,800	44.3	236.7	25,400				180
185							11.2	173.6	27,100*	25.7	206.4	29,000	34.5	222.2	26,700	41.4	231.3	24,300	47.2	236.0	22,100	185
190										20.8	194.5	27,900	31.0	214.2	25,600	38.4	225.2	23,400	44.5	231.1	21,200	190
195										14.3	178.2	26,800	26.9	205.0	24,600	35.2	218.4	22,400	41.7	225.6	20,300	195
200													22.3	193.8	23,700	31.7	210.6	21,600	38.7	219.6	19,500	200
205													16.3	179.2	22,700	27.8	201.7	20,700	35.5	212.9	18,700	205
210													6.0	152.7	21,800	23.2	191.0	19,900	32.0	205.3	18,000	210
215																17.6	177.2	19,100	28.2	196.5	17,300	215
220																9.0	155.3	18,300	23.7	186.0	16,600	220
225																			18.2	172.6	15,900	225
230																			10.2	152.1	15,300	230

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	73,100*																85
90	63.9	291.8	64,000*	68.6	295.6	70,300*																90
95	61.9	289.2	61,500*	66.7	293.5	67,600*																95
100	59.8	286.3	59,200*	64.7	291.2	65,100*	67.5	293.0	68,400*													100
105	57.7	283.2	55,600*	62.7	288.7	62,600*	65.6	290.8	65,900*													105
110	55.6	279.9	51,800*	60.7	285.9	60,300*	63.6	288.4	62,700													110
115	53.3	276.2	48,300*	58.6	283.0	57,400*	61.5	285.7	59,200													115
120	51.1	272.3	45,200*	56.4	279.7	53,300*	59.5	282.8	56,000													120
125	48.7	268.0	42,300*	54.2	276.2	49,700*	57.4	279.7	53,000	62.2	283.4	49,200										125
130	46.3	263.4	39,800*	52.0	272.4	46,400*	55.2	276.3	50,400	60.2	280.6	46,700										130
135	43.7	258.3	37,500*	49.7	268.2	43,500*	53.0	272.6	47,800*	58.1	277.6	44,400										135
140	41.0	252.7	35,300*	47.3	263.7	40,800*	50.7	268.6	44,700*	55.9	274.3	42,300										140
145	38.2	246.6	33,300*	44.8	258.8	38,400*	48.3	264.3	42,000*	53.7	270.7	40,300										145
150	35.1	239.7	31,500*	42.1	253.5	36,200*	45.8	259.6	39,400*	51.5	266.8	38,500	56.5	271.0	35,400							150
155	31.9	232.0	29,600*	39.4	247.6	34,100*	43.3	254.4	37,100*	49.1	262.6	36,800	54.3	267.5	33,800							155
160	28.2	223.2	27,800*	36.4	241.0	32,300*	40.6	248.7	35,000*	46.7	258.0	35,200	52.1	263.7	32,300							160
165	24.1	212.9	26,100*	33.2	233.7	30,500*	37.7	242.5	33,100*	44.2	253.0	33,700	49.8	259.5	30,900							165
170	19.1	199.9	24,500*	29.8	225.4	28,900*	34.6	235.5	31,300*	41.5	247.5	32,300	47.4	255.1	29,600	52.5	259.2	27,000				170
175	12.4	181.6	23,000*	25.9	215.8	27,400*	31.3	227.7	29,600*	38.7	241.5	31,000	44.9	250.2	28,400	50.2	255.1	25,900				175
180				21.3	204.0	26,000*	27.6	218.7	28,100*	35.7	234.8	29,700	42.3	244.8	27,200	47.8	250.7	24,800				180
185				15.5	188.6	24,700*	23.4	207.9	26,600*	32.5	227.2	28,500	39.5	238.9	26,100	45.4	245.9	23,800				185
190				4.9	159.4	21,500*	18.2	194.4	25,300*	28.9	218.7	27,400	36.6	232.4	25,100	42.8	240.7	22,800				190
195							10.8	174.5	24,000*	24.9	208.6	26,400	33.4	225.2	24,100	40.0	234.9	21,900	45.6	240.3	19,800	195
200										20.1	196.3	25,400	29.9	216.9	23,200	37.1	228.5	21,000	43.0	235.0	18,900	200
205										13.8	179.4	24,400	26.1	207.3	22,300	34.0	221.4	20,200	40.3	229.3	18,200	205
210													21.5	195.7	21,400	30.6	213.4	19,400	37.4	223.0	17,400	210
215													15.8	180.5	20,600	26.8	204.1	18,600	34.3	216.0	16,700	215
220													5.8	153.2	19,700	22.5	193.0	17,900	31.0	208.0	16,100	220
225																17.1	178.7	17,200	27.2	198.9	15,400	225
230																8.7	156.0	16,500	22.9	188.0	14,800	230
235																			17.6	174.1	14,200	235
240																			9.8	152.9	13,600	240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	66,900*																90
95	63.7	300.5	60,000*	68.1	304.4	64,600*																95
100	61.8	297.8	57,800*	66.3	302.2	63,400*																100
105	59.8	295.0	55,400*	64.4	299.9	61,100*	67.1	301.7	64,100*													105
110	57.8	291.9	51,500*	62.5	297.4	58,900*	65.2	299.5	61,800*													110
115	55.8	288.6	48,000*	60.6	294.6	56,700*	63.4	297.0	58,900													115
120	53.7	285.0	44,900*	58.7	291.6	53,000*	61.4	294.4	55,700													120
125	51.6	281.1	42,100*	56.7	288.4	49,400*	59.5	291.5	52,800													125
130	49.4	276.9	39,500*	54.6	284.9	46,100*	57.5	288.4	50,100	62.1	292.1	46,400										130
135	47.1	272.4	37,200*	52.5	281.2	43,200*	55.5	285.0	47,500*	60.2	289.3	44,100										135
140	44.8	267.5	35,000*	50.3	277.1	40,500*	53.4	281.4	44,400*	58.2	286.2	42,000										140
145	42.3	262.2	33,000*	48.1	272.7	38,100*	51.3	277.5	41,700*	56.2	283.0	40,000										145
150	39.7	256.3	31,200*	45.8	268.0	35,900*	49.1	273.2	39,100*	54.1	279.4	38,200										150
155	37.0	249.9	29,500*	43.3	262.8	33,800*	46.8	268.6	36,800*	52.0	275.6	36,500	56.7	279.7	33,500							155
160	34.1	242.8	28,000*	40.8	257.2	32,000*	44.4	263.7	34,700*	49.8	271.5	34,900	54.7	276.2	32,100							160
165	30.9	234.8	26,400*	38.1	251.0	30,200*	41.9	258.2	32,800*	47.6	267.0	33,400	52.6	272.4	30,700							165
170	27.4	225.7	24,900*	35.3	244.2	28,600*	39.3	252.3	31,000*	45.2	262.2	32,000	50.4	268.4	29,400							170
175	23.4	214.9	23,400*	32.2	236.6	27,100*	36.5	245.8	29,300*	42.8	256.9	30,700	48.2	264.0	28,100	53.0	268.0	25,600				175
180	18.6	201.6	22,100*	28.8	228.0	25,700*	33.6	238.5	27,800*	40.2	251.2	29,500	45.9	259.3	27,000	50.8	264.0	24,500				180
185	12.0	182.7	20,400*	25.1	218.0	24,400*	30.3	230.4	26,300*	37.5	244.9	28,300	43.5	254.2	25,900	48.6	259.7	23,500				185
190				20.7	205.9	23,200*	26.8	221.0	25,000*	34.6	237.9	27,200	40.9	248.6	24,900	46.3	255.0	22,600				190
195				15.0	189.9	22,000*	22.6	209.9	23,700*	31.5	230.1	26,200	38.3	242.4	23,900	43.9	250.0	21,600				195
200				4.7	159.8	19,200*	17.7	196.0	22,500*	28.0	221.2	25,200	35.4	235.6	22,900	41.4	244.5	20,800	46.5	249.4	18,700	200
205							10.5	175.4	21,400*	24.1	210.7	24,200*	32.4	228.1	22,100	38.8	238.5	20,000	44.2	244.3	17,900	205
210										19.5	198.0	22,900*	29.0	219.5	21,200	36.0	231.8	19,200	41.7	238.9	17,200	210
215										13.4	180.5	21,800*	25.3	209.6	20,400	33.0	224.4	18,400	39.0	232.9	16,500	215
220													20.9	197.6	19,600	29.7	216.0	17,700	36.2	226.3	15,800	220
225													15.3	181.9	18,900	26.0	206.4	17,000	33.3	219.0	15,200	225
230													5.6	153.6	18,100	21.8	194.9	16,400	30.0	210.7	14,600	230
235																16.5	180.1	15,700	26.4	201.2	14,000	235
240																8.5	156.7	15,100	22.2	189.9	13,400	240
245																			17.1	175.6	12,900	245
250																			9.5	153.7	12,300	250

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.4	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	60,400*																100
105	61.7	306.5	54,100*	66.0	311.0	57,700*																105
110	59.8	303.6	50,900*	64.2	308.6	57,100*	66.7	310.5	59,800*													110
115	58.0	300.6	47,500*	62.4	306.0	55,100*	64.9	308.2	57,800*													115
120	56.1	297.3	44,300*	60.6	303.3	52,500*	63.2	305.7	55,200													120
125	54.1	293.7	41,500*	58.7	300.3	48,900*	61.4	303.0	52,300													125
130	52.1	289.9	39,000*	56.8	297.1	45,600*	59.5	300.1	49,600													130
135	50.1	285.8	36,600*	54.9	293.6	42,700*	57.7	297.0	47,000*	62.0	300.7	43,600										135
140	47.9	281.4	34,500*	52.9	290.0	40,000*	55.7	293.7	43,900*	60.2	297.9	41,500										140
145	45.7	276.7	32,500*	50.9	286.0	37,600*	53.8	290.1	41,100*	58.3	294.9	39,500										145
150	43.4	271.5	30,700*	48.8	281.7	35,400*	51.8	286.3	38,600*	56.4	291.6	37,700										150
155	41.1	265.9	29,000*	46.6	277.1	33,300*	49.7	282.1	36,300*	54.5	288.1	36,000										155
160	38.6	259.8	27,400*	44.4	272.1	31,400*	47.6	277.7	34,200*	52.5	284.4	34,400	56.9	288.3	31,500							160
165	35.9	253.2	26,000*	42.0	266.7	29,700*	45.4	272.8	32,200*	50.4	280.3	32,900	55.0	284.9	30,100							165
170	33.1	245.8	24,600*	39.6	260.8	28,100*	43.1	267.6	30,400*	48.3	276.0	31,500	53.0	281.2	28,800							170
175	30.0	237.5	23,400*	37.0	254.4	26,600*	40.7	262.0	28,800*	46.1	271.3	30,200	51.0	277.3	27,600							175
180	26.6	228.0	22,200*	34.2	247.3	25,200*	38.1	255.8	27,200*	43.9	266.2	29,000	48.9	273.0	26,400							180
185	22.7	216.9	21,000*	31.3	239.4	23,900*	35.4	249.0	25,800*	41.5	260.7	27,800	46.7	268.4	25,400	51.4	272.8	22,900				185
190	18.0	203.1	19,900*	28.0	230.5	22,700*	32.6	241.5	24,400*	39.0	254.7	26,700	44.5	263.4	24,300	49.3	268.6	22,000				190
195	11.6	183.7	18,000*	24.3	220.1	21,500*	29.4	233.0	23,200*	36.4	248.2	25,700	42.2	258.1	23,400	47.2	264.1	21,100				195
200				20.1	207.6	20,400*	26.0	223.3	22,000*	33.6	240.9	24,700	39.7	252.2	22,400	44.9	259.2	20,200				200
205				14.6	191.2	19,400*	22.0	211.9	20,900*	30.5	232.8	23,600*	37.1	245.8	21,600	42.6	253.9	19,400	47.4	258.4	17,300	205
210				4.6	160.2	16,800*	17.1	197.5	19,800*	27.2	223.6	22,400*	34.4	238.7	20,700	40.2	248.2	18,600	45.1	253.5	16,600	210
215							10.2	176.2	18,800*	23.4	212.8	21,300*	31.4	230.9	19,900	37.6	241.9	17,900	42.8	248.3	15,900	215
220										18.9	199.6	20,200*	28.2	222.0	19,200	34.9	235.0	17,200	40.4	242.6	15,300	220
225										13.0	181.6	19,200*	24.5	211.7	18,400	32.0	227.3	16,500	37.9	236.3	14,600	225
230													20.3	199.3	17,700	28.8	218.6	15,900	35.2	229.5	14,000	230
235													14.9	183.1	17,000	25.3	208.6	15,200	32.3	221.9	13,500	235
240													5.5	154.1	16,300	21.2	196.7	14,600	29.1	213.3	12,900	240
245																16.1	181.5	14,000	25.6	203.5	12,400	245
250																8.2	157.4	13,400	21.6	191.8	11,800	250
255																			16.6	177.0	11,300	255
260																			9.3	154.5	10,800	260

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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	55,300*																105
110	61.6	315.2	50,000*	65.6	319.7	54,100*	68.0	321.3	57,800*													110
115	59.8	312.3	47,000*	64.0	317.3	53,000*	66.4	319.2	56,000*													115
120	58.1	309.3	43,900*	62.3	314.7	51,800*	64.7	316.9	54,200*													120
125	56.3	306.0	41,000*	60.6	311.9	48,400*	63.0	314.4	51,800													125
130	54.4	302.5	38,500*	58.8	309.0	45,100*	61.3	311.7	49,200													130
135	52.5	298.7	36,100*	57.0	305.8	42,200*	59.6	308.8	46,500*													135
140	50.6	294.7	34,000*	55.2	302.4	39,500*	57.8	305.7	43,400*	61.9	309.4	41,000										140
145	48.6	290.4	32,000*	53.3	298.7	37,100*	56.0	302.4	40,600*	60.2	306.6	39,000										145
150	46.6	285.8	30,200*	51.4	294.8	34,900*	54.1	298.9	38,100*	58.4	303.6	37,200										150
155	44.4	280.8	28,500*	49.4	290.6	32,800*	52.2	295.1	35,800*	56.6	300.3	35,500										155
160	42.2	275.4	26,900*	47.4	286.1	30,900*	50.3	291.0	33,700*	54.8	296.9	34,000										160
165	39.9	269.6	25,500*	45.3	281.3	29,200*	48.3	286.6	31,700*	52.9	293.2	32,500	57.1	297.0	29,600							165
170	37.5	263.3	24,100*	43.1	276.1	27,600*	46.2	282.0	29,900*	51.0	289.2	31,100	55.3	293.6	28,300							170
175	34.9	256.3	22,900*	40.9	270.4	26,100*	44.1	276.9	28,300*	49.0	284.9	29,800	53.4	290.0	27,100							175
180	32.1	248.7	21,700*	38.5	264.3	24,700*	41.9	271.5	26,700*	46.9	280.4	28,600	51.5	286.1	26,000							180
185	29.1	240.1	20,600*	36.0	257.7	23,400*	39.5	265.6	25,300*	44.8	275.4	27,400	49.5	281.9	24,900							185
190	25.8	230.3	19,500*	33.3	250.3	22,200*	37.1	259.2	24,000*	42.6	270.1	26,300	47.5	277.4	23,900	51.9	281.6	21,500				190
195	22.1	218.8	18,500*	30.4	242.1	21,000*	34.5	252.1	22,700*	40.3	264.4	25,300	45.4	272.6	22,900	49.9	277.5	20,600				195
200	17.5	204.7	17,600*	27.2	232.9	19,900*	31.7	244.3	21,500*	37.9	258.2	24,300	43.2	267.4	22,000	47.9	273.1	19,800				200
205	11.3	184.6	15,700*	23.7	222.2	18,900*	28.6	235.6	20,400*	35.4	251.4	23,100*	41.0	261.8	21,100	45.8	268.4	19,000				205
210				19.5	209.3	18,000*	25.3	225.6	19,400*	32.6	243.8	21,900*	38.6	255.7	20,300	43.7	263.2	18,200				210
215				14.2	192.4	17,000*	21.4	213.7	18,400*	29.7	235.4	20,800*	36.1	249.1	19,500	41.4	257.7	17,400	46.0	262.7	15,500	215
220				4.4	160.5	14,700*	16.7	198.9	17,400*	26.5	225.9	19,700*	33.4	241.8	18,800	39.1	251.7	16,700	43.9	257.6	14,800	220
225							9.9	177.1	16,500*	22.8	214.8	18,700*	30.5	233.6	18,000	36.6	245.2	16,100	41.6	252.1	14,200	225
230										18.4	201.2	17,800*	27.4	224.4	17,300	33.9	238.0	15,400	39.3	246.2	13,600	230
235										12.6	182.7	16,900*	23.8	213.8	16,700	31.1	230.1	14,800	36.8	239.7	13,000	235
240													19.7	201.1	16,000	28.0	221.1	14,200	34.2	232.6	12,500	240
245													14.5	184.4	15,400	24.6	210.8	13,700	31.4	224.7	11,900	245
250													5.3	154.5	14,700	20.6	198.5	13,100	28.3	215.9	11,400	250
255																15.6	182.9	12,600	24.9	205.7	10,900	255
260																8.0	158.1	12,000	21.0	193.7	10,500	260
265																			16.1	178.4	10,000	265
270																			9.0	155.3	9,500	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	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	49,900*																110
115	61.5	323.8	44,200*	65.4	328.4	48,800*	67.6	330.1	52,200*													115
120	59.9	321.0	42,100*	63.8	326.0	47,600*	66.0	327.9	50,300*													120
125	58.2	317.9	40,100*	62.2	323.4	45,500*	64.5	325.6	48,300*													125
130	56.5	314.7	38,100*	60.5	320.6	43,400*	62.9	323.0	46,300*													130
135	54.7	311.2	36,000*	58.9	317.6	41,400*	61.2	320.4	44,300*													135
140	52.9	307.5	33,800*	57.2	314.5	39,300*	59.6	317.5	42,300*													140
145	51.1	303.5	31,800*	55.4	311.1	37,000*	57.9	314.4	40,300*	61.8	318.1	38,500										145
150	49.2	299.3	30,000*	53.7	307.5	34,700*	56.2	311.1	38,100*	60.1	315.2	36,700										150
155	47.3	294.8	28,300*	51.9	303.6	32,600*	54.4	307.6	35,700*	58.5	312.2	35,000										155
160	45.3	290.0	26,700*	50.0	299.5	30,700*	52.6	303.8	33,500*	56.8	309.0	33,400										160
165	43.2	284.8	25,200*	48.1	295.1	29,000*	50.8	299.9	31,500*	55.0	305.6	32,000										165
170	41.1	279.2	23,800*	46.1	290.4	27,300*	48.9	295.6	29,700*	53.3	301.9	30,600	57.2	305.7	27,800							170
175	38.8	273.1	22,500*	44.1	285.4	25,800*	47.0	291.0	28,000*	51.4	298.0	29,300	55.5	302.3	26,600							175
180	36.5	266.6	21,300*	42.0	279.9	24,400*	45.0	286.1	26,500*	49.6	293.8	28,100	53.8	298.7	25,400							180
185	34.0	259.4	20,200*	39.8	274.1	23,100*	42.9	280.9	25,000*	47.7	289.4	26,900	51.9	294.9	24,400							185
190	31.3	251.5	19,100*	37.5	267.7	21,800*	40.7	275.2	23,600*	45.7	284.6	25,800	50.1	290.8	23,300							190
195	28.4	242.6	18,100*	35.0	260.8	20,700*	38.5	269.1	22,400*	43.6	279.5	24,800	48.2	286.4	22,400	52.3	290.4	20,000				195
200	25.2	232.5	17,200*	32.4	253.2	19,600*	36.1	262.4	21,200*	41.5	274.0	23,800	46.2	281.7	21,500	50.5	286.4	19,200				200
205	21.5	220.7	16,300*	29.6	244.8	18,500*	33.6	255.1	20,000*	39.3	268.0	22,800*	44.2	276.7	20,600	48.6	282.1	18,400				205
210	17.1	206.1	15,400*	26.5	235.3	17,600*	30.8	247.1	19,000*	36.9	261.5	21,600*	42.1	271.3	19,800	46.6	277.4	17,600				210
215	11.0	185.6	13,700*	23.1	224.2	16,600*	27.9	238.0	18,000*	34.4	254.5	20,400*	39.9	265.4	19,000	44.6	272.5	16,900				215
220				19.0	211.0	15,800*	24.6	227.7	17,000*	31.8	246.7	19,400*	37.6	259.1	18,300	42.5	267.1	16,200	46.8	271.7	14,200	220
225				13.8	193.6	14,900*	20.8	215.6	16,100*	28.9	238.0	18,300*	35.1	252.2	17,500	40.3	261.4	15,500	44.8	266.8	13,600	225
230				4.3	160.9	12,800*	16.2	200.3	15,300*	25.8	228.2	17,400*	32.5	244.7	16,900	38.0	255.2	14,900	42.7	261.5	13,000	230
235							9.6	177.9	14,500*	22.2	216.8	16,500*	29.7	236.3	16,200	35.6	248.4	14,300	40.5	255.8	12,500	235
240										17.9	202.8	15,600*	26.7	226.8	15,600	33.1	241.0	13,700	38.2	249.6	11,900	240
245										12.3	183.8	14,800*	23.2	215.9	14,900	30.3	232.8	13,100	35.9	242.9	11,400	245
250													19.2	202.7	14,400	27.3	223.5	12,600	33.3	235.6	10,900	250
255													14.1	185.6	13,800	23.9	212.9	12,100	30.6	227.4	10,400	255
260													5.2	154.9	13,200	20.0	200.3	11,600	27.6	218.3	9,900	260
265																15.2	184.2	11,100	24.3	207.8	9,500	265
270																7.8	158.8	10,600	20.4	195.5	9,100	270
275																			15.7	179.8	8,600	275
280																			8.8	156.0	8,200	280

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	116,100*b																65
70	44.0	206.4	96,700*	57.9	215.6	109,700*b	65.1	218.5	116,000b													70
75	37.6	200.4	90,500*	52.8	212.0	103,800*b	60.4	215.8	106,400b													75
80	30.1	192.6	82,200*	47.4	207.7	98,600*	55.6	212.5	98,100b													80
85	20.0	181.4	75,100*	41.5	202.4	93,800*	50.4	208.6	91,000	62.8	213.8	85,400b										85
90				34.7	195.8	86,900*	44.7	203.8	84,700	58.1	210.8	79,500b										90
95				26.3	186.9	79,100*	38.4	198.0	79,200	53.1	207.3	74,300b										95
100				13.7	172.4	72,500*	31.0	190.5	74,200	47.7	203.0	69,700										100
105							21.4	179.8	69,800	41.7	197.7	65,600	55.3	204.4	61,300b							105
110										35.0	191.2	61,800	50.1	200.5	57,900							110
115										26.7	182.4	58,400	44.4	195.7	54,700							115
120										14.5	168.4	55,300	38.1	189.8	51,800	52.0	196.4	48,300				120
125													30.6	182.2	49,200	46.5	191.9	45,800				125
130													20.8	171.3	46,700	40.4	186.5	43,600				130
135																33.5	179.6	41,500	47.9	186.6	38,500	135
140																24.8	170.2	39,500	42.0	181.4	36,700	140
145																10.3	153.3	37,600	35.3	174.9	35,000	145
150																			27.2	166.3	33,400	150
155																			15.3	152.7	31,900	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	68.0	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	113,000*b																65
70	51.1	220.1	94,100*	62.3	227.3	106,800*b																70
75	46.3	215.6	89,600*	58.2	224.3	101,200*b	64.5	227.1	105,800b													75
80	41.0	210.2	82,500*	53.8	220.8	96,100*	60.4	224.4	97,600b													80
85	35.1	203.6	75,400*	49.1	216.7	91,400*	56.1	221.2	90,500													85
90	28.0	195.1	69,200*	44.1	211.8	87,300*	51.6	217.4	84,200	62.5	222.5	78,900b										90
95	18.6	183.0	63,900*	38.6	206.0	79,400*	46.9	213.0	78,700	58.3	219.5	73,700										95
100				32.3	198.7	72,700*	41.6	207.7	73,800	54.0	216.0	69,100										100
105				24.5	189.1	67,000*	35.8	201.2	69,400	49.4	211.9	65,000										105
110				12.8	173.4	61,900*	28.9	193.1	65,500	44.4	207.1	61,300	55.9	213.1	57,200							110
115							19.9	181.6	61,800	38.9	201.3	58,000	51.4	209.3	54,100							115
120										32.6	194.1	54,900	46.6	204.9	51,200							120
125										24.9	184.6	52,100	41.4	199.5	48,600							125
130										13.5	169.5	49,400	35.5	193.0	46,200	48.4	201.0	42,900				130
135													28.6	184.7	44,000	43.3	196.0	40,800				135
140													19.4	173.0	41,900	37.7	189.9	38,900				140
145																31.2	182.4	37,100				145
150																23.1	172.2	35,400	44.6	190.8	34,400	150
155																9.5	154.0	33,800	39.1	185.0	32,800	155
160																			32.9	177.9	31,400	160
165																			25.3	168.5	30,000	165
																			14.2	153.9	28,600	165

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	109,000*b																65
70	56.1	232.7	91,100*	65.6	238.5	103,300*b																70
75	52.2	229.0	86,800*	62.1	235.9	98,000*	67.5	238.2	105,400b													75
80	48.0	224.6	82,800*	58.4	233.0	93,200*	64.0	235.8	97,100b													80
85	43.5	219.6	76,000*	54.5	229.6	88,700*	60.3	233.1	90,000													85
90	38.5	213.7	69,800*	50.4	225.6	84,700*	56.6	229.9	83,800													90
95	33.0	206.5	64,400*	46.1	221.0	80,200*	52.6	226.3	78,300	62.2	231.1	73,300										95
100	26.4	197.5	59,700*	41.5	215.6	73,400*	48.5	222.0	73,500	58.5	228.2	68,700										100
105	17.5	184.5	55,500*	36.3	209.3	67,500*	44.0	217.1	69,100	54.7	224.8	64,600										105
110				30.4	201.4	62,400*	39.1	211.3	65,200	50.6	220.8	60,900										110
115				23.1	191.1	57,900*	33.6	204.3	61,600	46.3	216.3	57,600	56.4	221.8	53,600							115
120				12.0	174.4	53,900*	27.2	195.5	58,400	41.7	211.0	54,600	52.4	218.2	50,800							120
125							18.7	183.2	55,400	36.5	204.6	51,800	48.3	213.9	48,200							125
130										30.6	196.8	49,200	43.8	208.9	45,800							130
135										23.4	186.7	46,900	38.9	203.1	43,600	49.8	209.9	40,400				135
140										12.7	170.6	44,600	33.4	196.0	41,600	45.4	205.2	38,500				140
145													26.8	187.1	39,700	40.7	199.7	36,700				145
150													18.2	174.5	37,900	35.4	193.1	35,100	46.5	199.9	32,400	150
155																29.3	185.0	33,600	41.9	194.6	30,900	155
160																21.7	174.1	32,100	36.8	188.3	29,600	160
165																8.9	154.7	30,600	30.9	180.7	28,300	165
170																			23.8	170.6	27,100	170
175																			13.4	155.0	26,000	175

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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THE SCOPE OF ANSI B30.5

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	72.5	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	100,400*b																70
75	56.5	241.4	84,500*	65.1	247.2	95,400*																75
80	53.0	237.7	80,700*	61.9	244.6	90,800*	66.8	246.9	96,600b													80
85	49.3	233.6	75,900*	58.5	241.6	86,500*	63.6	244.5	89,500													85
90	45.3	228.9	69,600*	55.1	238.3	82,600*	60.3	241.7	83,300													90
95	41.1	223.4	64,200*	51.5	234.4	79,000*	56.9	238.6	77,800													95
100	36.4	217.0	59,500*	47.7	230.1	73,200*	53.4	235.0	73,000	62.0	239.8	68,100										100
105	31.2	209.3	55,300*	43.6	225.1	67,300*	49.7	231.0	68,600	58.7	236.8	64,000										105
110	24.9	199.7	51,600*	39.2	219.2	62,200*	45.8	226.3	64,700	55.2	233.5	60,300										110
115	16.6	185.9	47,800*	34.3	212.4	57,700*	41.6	220.9	61,200	51.6	229.7	57,000										115
120				28.7	204.0	53,700*	37.0	214.6	58,000	47.8	225.3	54,000	56.8	230.5	50,100							120
125				21.8	193.0	50,200*	31.8	207.1	55,000	43.8	220.4	51,300	53.2	226.9	47,500							125
130				11.3	175.4	47,000*	25.7	197.7	52,100*	39.4	214.6	48,700	49.5	222.8	45,200							130
135							17.7	184.7	48,700*	34.6	207.7	46,400	45.6	218.1	43,000							135
140										29.0	199.4	44,200	41.4	212.7	41,000	50.9	218.8	37,800				140
145										22.2	188.6	42,200	36.8	206.4	39,100	47.0	214.3	36,100				145
150										12.0	171.6	40,200	31.6	198.8	37,400	42.9	209.2	34,500				150
155													25.4	189.3	35,700	38.5	203.2	33,000	48.0	209.0	30,200	155
160													17.3	176.0	34,200	33.5	196.2	31,500	44.0	204.0	28,900	160
165																27.7	187.4	30,200	39.6	198.3	27,700	165
170																20.5	175.9	28,900	34.8	191.5	26,500	170
175																8.4	155.4	27,600	29.3	183.3	25,400	175
180																			22.5	172.6	24,400	180
185																			12.6	156.1	23,300	185

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.2	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	97,800*																70
75	59.9	253.2	82,700*	67.5	258.2	93,200*																75
80	56.9	250.1	79,000*	64.6	255.9	88,800*																80
85	53.7	246.5	75,600*	61.7	253.3	84,700*	66.2	255.6	89,000													85
90	50.3	242.5	71,100*	58.7	250.3	80,900*	63.3	253.2	82,800													90
95	46.8	238.0	65,600*	55.5	247.0	77,400*	60.3	250.4	77,300													95
100	43.1	232.9	60,800*	52.3	243.3	74,100*	57.2	247.3	72,500													100
105	39.1	227.0	56,500*	48.9	239.0	68,800*	54.0	243.8	68,200	61.8	248.4	63,500										105
110	34.7	220.2	52,600*	45.3	234.3	63,500*	50.7	239.8	64,300	58.8	245.5	59,800										110
115	29.7	212.0	48,300*	41.4	228.9	59,000*	47.2	235.4	60,700	55.7	242.2	56,500										115
120	23.7	201.7	44,600*	37.3	222.6	54,900*	43.5	230.3	57,500	52.4	238.5	53,500										120
125	15.7	187.3	41,300*	32.7	215.3	51,300*	39.5	224.5	54,600	49.0	234.3	50,800	57.1	239.2	47,000							125
130				27.3	206.4	48,000*	35.2	217.8	51,900	45.4	229.6	48,300	53.9	235.7	44,700							130
135				20.8	194.8	45,100*	30.3	209.8	49,400	41.6	224.2	45,900	50.6	231.7	42,500							135
140				10.7	176.3	42,400*	24.5	199.9	46,600*	37.5	218.0	43,800	47.1	227.2	40,500							140
145							16.9	186.2	43,800*	32.9	210.7	41,800	43.3	222.2	38,700	51.8	227.6	35,600				145
150										27.6	201.9	39,900	39.3	216.3	36,900	48.3	223.3	34,000				150
155										21.1	190.5	38,200	35.0	209.6	35,300	44.7	218.5	32,500				155
160										11.4	172.5	36,500	30.0	201.5	33,800	40.8	213.0	31,100				160
165													24.2	191.5	32,400	36.6	206.6	29,700	45.6	213.2	27,200	165
170													16.4	177.4	31,000	31.9	199.0	28,500	41.8	207.9	26,000	170
175																26.4	189.8	27,300	37.7	201.7	25,000	175
180																19.5	177.6	26,200	33.1	194.5	23,900	180
185																8.0	156.1	25,100	27.8	185.7	22,900	185
190																			21.4	174.5	22,000	190
195																			12.0	157.1	21,100	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

145 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	75.5	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	90,500*																75
80	59.9	261.9	77,000*	66.9	266.9	86,400*																80
85	57.1	258.7	73,700*	64.2	264.5	82,500*																85
90	54.2	255.3	70,600*	61.5	261.9	78,900*	65.7	264.3	82,200													90
95	51.2	251.4	65,200*	58.8	259.0	75,500*	63.0	261.8	76,800													95
100	48.0	247.0	60,400*	55.9	255.7	72,400*	60.3	259.1	72,000													100
105	44.7	242.1	56,100*	53.0	252.0	68,400*	57.5	256.0	67,600													105
110	41.1	236.6	52,300*	49.9	248.0	63,200*	54.6	252.5	63,800	61.7	257.1	59,200										110
115	37.3	230.4	48,800*	46.7	243.4	58,600*	51.5	248.7	60,200	58.9	254.2	55,900										115
120	33.1	223.1	45,000*	43.2	238.3	54,500*	48.4	244.4	57,000	56.0	250.9	53,000										120
125	28.3	214.5	41,600*	39.6	232.5	50,900*	45.1	239.6	54,100	53.1	247.3	50,200										125
130	22.7	203.7	38,500*	35.6	225.9	47,600*	41.6	234.1	51,500	50.0	243.2	47,700	57.3	247.9	44,100							130
135	15.0	188.6	35,800*	31.2	218.1	44,700*	37.8	228.0	49,000	46.8	238.7	45,400	54.4	244.4	41,900							135
140				26.1	208.7	42,000*	33.6	220.9	46,200*	43.4	233.6	43,300	51.4	240.6	39,900							140
145				19.8	196.6	39,600*	28.9	212.4	43,400*	39.7	227.8	41,300	48.2	236.3	38,100							145
150				10.3	177.1	37,400*	23.4	202.0	40,900*	35.8	221.2	39,500	44.9	231.4	36,400	52.5	236.4	33,300				150
155							16.1	187.6	38,500*	31.4	213.5	37,800	41.4	226.0	34,800	49.4	232.3	31,900				155
160										26.4	204.2	36,100	37.6	219.8	33,300	46.1	227.6	30,500				160
165										20.2	192.2	34,600	33.4	212.6	31,900	42.7	222.4	29,200				165
170										10.9	173.4	33,100	28.7	204.1	30,500	39.0	216.5	27,900	46.9	222.3	25,400	170
175													23.1	193.5	29,300	34.9	209.7	26,800	43.5	217.2	24,300	175
180													15.7	178.8	28,100	30.4	201.7	25,700	39.9	211.5	23,300	180
185																25.2	192.0	24,600	36.0	205.0	22,400	185
190																18.7	179.2	23,600	31.6	197.3	21,500	190
195																7.6	156.7	22,600	26.6	188.1	20,600	195
200																			20.5	176.3	19,800	200
205																			11.5	158.1	18,900	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.4	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	84,100*																80
85	59.9	270.5	72,000*	66.4	275.6	80,500*																85
90	57.4	267.4	69,000*	63.9	273.2	77,100*	67.6	275.2	82,000													90
95	54.7	264.0	65,100*	61.4	270.6	73,900*	65.2	273.0	76,500													95
100	51.9	260.2	60,300*	58.9	267.6	70,900*	62.8	270.5	71,700													100
105	49.0	256.0	56,000*	56.2	264.4	68,000*	60.2	267.7	67,400													105
110	46.0	251.3	52,200*	53.5	260.8	63,000*	57.7	264.6	63,500													110
115	42.8	246.1	48,800*	50.7	256.8	58,400*	55.0	261.2	60,000	61.5	265.8	55,700										115
120	39.4	240.3	45,400*	47.8	252.4	54,400*	52.2	257.5	56,800	59.0	262.8	52,700										120
125	35.8	233.6	42,000*	44.7	247.6	50,700*	49.4	253.3	53,900	56.4	259.6	50,000										125
130	31.8	226.0	39,000*	41.4	242.1	47,500*	46.4	248.7	51,300	53.6	256.0	47,500										130
135	27.2	216.9	36,200*	37.9	236.0	44,600*	43.2	243.6	48,800	50.8	252.1	45,200	57.5	256.6	41,700							135
140	21.8	205.6	33,700*	34.1	228.9	41,900*	39.8	237.8	46,100*	47.9	247.7	43,100	54.9	253.2	39,700							140
145	14.4	189.8	31,500*	29.9	220.8	39,500*	36.2	231.3	43,300*	44.8	242.8	41,100	52.1	249.4	37,900							145
150				25.1	210.9	37,300*	32.2	223.8	40,800*	41.6	237.4	39,300	49.2	245.2	36,100							150
155				19.0	198.2	35,200*	27.7	214.9	38,400*	38.1	231.3	37,600	46.2	240.6	34,600							155
160				9.8	178.0	33,300*	22.4	203.9	36,300*	34.3	224.3	36,000	43.0	235.4	33,100	50.3	241.2	30,200				160
165							15.4	188.9	34,300*	30.1	216.2	34,500	39.7	229.6	31,700	47.3	236.7	28,900				165
170										25.3	206.5	33,100	36.0	223.0	30,400	44.2	231.7	27,700				170
175										19.3	193.9	31,700	32.0	215.5	29,100	40.9	226.2	26,600				175
180										10.4	174.3	30,400	27.5	206.5	28,000	37.4	219.9	25,500	45.0	226.5	23,100	180
185													22.2	195.4	26,900	33.5	212.7	24,500	41.7	221.1	22,200	185
190													15.0	180.1	25,800	29.2	204.3	23,500	38.3	215.0	21,300	190
195																24.2	194.2	22,600	34.5	208.1	20,400	195
200																17.9	180.8	21,700	30.3	200.0	19,600	200
205																7.3	157.3	20,800	25.5	190.4	18,800	205
210																			19.6	178.0	18,100	210
215																			11.0	159.0	17,300	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.5	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	81,500*																80
85	62.3	282.0	70,100*	68.1	286.5	78,200*																85
90	60.0	279.2	67,300*	65.9	284.3	75,000*																90
95	57.5	276.1	64,600*	63.6	281.9	71,900*	67.1	284.0	76,000													95
100	55.1	272.7	59,800*	61.3	279.2	69,100*	64.9	281.7	71,200													100
105	52.5	269.0	55,500*	59.0	276.3	66,300*	62.6	279.2	66,900													105
110	49.9	264.9	51,700*	56.5	273.1	62,600*	60.2	276.4	63,000													110
115	47.1	260.4	48,300*	54.0	269.6	58,000*	57.8	273.3	59,500													115
120	44.2	255.4	45,300*	51.4	265.7	53,900*	55.4	270.0	56,300	61.4	274.4	52,100										120
125	41.2	249.9	42,300*	48.7	261.4	50,300*	52.8	266.3	53,400	59.1	271.5	49,400										125
130	37.9	243.7	39,300*	45.9	256.7	47,000*	50.2	262.2	50,800	56.6	268.3	46,900										130
135	34.4	236.7	36,500*	43.0	251.5	44,100*	47.4	257.7	48,300	54.1	264.8	44,700										135
140	30.6	228.7	34,000*	39.8	245.7	41,400*	44.6	252.8	45,600*	51.5	260.9	42,500	57.7	265.3	39,100							140
145	26.2	219.2	31,700*	36.5	239.3	39,000*	41.5	247.4	42,800*	48.9	256.7	40,600	55.2	261.9	37,300							145
150	20.9	207.5	29,600*	32.9	231.9	36,800*	38.3	241.3	40,300*	46.1	252.0	38,800	52.7	258.2	35,600							150
155	13.9	191.0	27,800*	28.8	223.3	34,800*	34.8	234.4	38,000*	43.1	246.8	37,100	50.1	254.1	34,000							155
160				24.1	213.0	32,900*	31.0	226.5	35,800*	40.0	241.1	35,500	47.3	249.6	32,500							160
165				18.3	199.8	31,100*	26.7	217.3	33,900*	36.6	234.6	34,000	44.4	244.7	31,100	51.0	250.0	28,300				165
170				9.5	178.8	29,500*	21.6	205.8	32,100*	33.0	227.3	32,600	41.4	239.2	29,800	48.3	245.7	27,100				170
175							14.9	190.2	30,400*	29.0	218.8	31,300	38.2	233.1	28,600	45.5	240.9	26,000				175
180										24.3	208.6	30,000	34.7	226.2	27,500	42.5	235.7	24,900				180
185										18.6	195.5	28,800	30.8	218.2	26,400	39.3	229.8	23,900	46.2	235.6	21,600	185
190										10.0	175.2	27,700	26.5	208.9	25,300	35.9	223.2	23,000	43.2	230.5	20,700	190
195													21.3	197.3	24,300	32.2	215.6	22,100	40.1	224.8	19,800	195
200													14.5	181.3	23,400	28.1	206.8	21,200	36.8	218.3	19,000	200
205																23.3	196.2	20,400	33.2	211.1	18,300	205
210																17.2	182.3	19,500	29.2	202.6	17,500	210
215																7.0	157.9	18,700	24.6	192.5	16,800	215
220																			18.9	179.6	16,200	220
225																			10.6	159.9	15,500	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.5	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	75,100*																85
90	62.1	290.7	65,100*	67.6	295.2	72,200*																90
95	60.0	287.9	62,600*	65.5	293.0	69,400*																95
100	57.7	284.8	60,200*	63.4	290.6	66,800*	66.6	292.7	70,700													100
105	55.4	281.4	56,500*	61.2	287.9	64,200*	64.5	290.4	66,400													105
110	53.0	277.7	52,500*	59.0	285.0	61,800*	62.4	287.8	62,500													110
115	50.6	273.7	49,000*	56.8	281.8	59,000*	60.2	285.0	59,000													115
120	48.1	269.4	45,900*	54.4	278.3	54,800*	58.0	282.0	55,900													120
125	45.4	264.6	42,800*	52.0	274.5	51,100*	55.7	278.7	53,000	61.3	283.1	48,900										125
130	42.6	259.3	39,800*	49.5	270.3	47,700*	53.3	275.0	50,300	59.1	280.2	46,400										130
135	39.7	253.5	37,100*	47.0	265.8	44,700*	50.9	271.1	47,900	56.9	277.0	44,200										135
140	36.6	247.0	34,600*	44.3	260.8	42,000*	48.4	266.7	45,600	54.5	273.5	42,100										140
145	33.2	239.7	32,300*	41.4	255.3	39,500*	45.7	262.0	43,400*	52.1	269.7	40,100	57.9	273.9	36,700							145
150	29.5	231.3	30,200*	38.4	249.2	37,200*	43.0	256.8	40,800*	49.7	265.6	38,300	55.6	270.6	35,100							150
155	25.2	221.5	28,200*	35.2	242.4	35,200*	40.1	251.0	38,400*	47.1	261.1	36,600	53.2	266.9	33,500							155
160	20.2	209.2	26,500*	31.7	234.7	33,200*	36.9	244.6	36,300*	44.4	256.1	35,000	50.8	263.0	32,000							160
165	13.4	192.1	25,000*	27.8	225.8	31,500*	33.6	237.4	34,300*	41.6	250.6	33,600	48.2	258.6	30,600							165
170				23.3	215.1	29,800*	29.9	229.2	32,400*	38.6	244.6	32,200	45.6	253.9	29,400	51.6	258.9	26,600				170
175				17.7	201.3	28,300*	25.8	219.5	30,700*	35.3	237.8	30,900	42.8	248.6	28,100	49.1	254.7	25,500				175
180				9.1	179.5	25,900*	20.8	207.7	29,100*	31.9	230.2	29,600	39.9	242.8	27,000	46.5	250.0	24,400				180
185							14.3	191.4	27,600*	28.0	221.3	28,500	36.8	236.4	25,900	43.8	245.0	23,400				185
190										23.5	210.7	27,300	33.4	229.2	24,900	41.0	239.4	22,500	47.2	244.7	20,200	190
195										18.0	197.1	26,300	29.7	220.9	23,900	37.9	233.2	21,600	44.5	239.7	19,300	195
200										9.7	176.0	25,200	25.6	211.1	23,000	34.7	226.3	20,700	41.7	234.3	18,500	200
205													20.6	199.1	22,100	31.1	218.4	19,900	38.7	228.3	17,800	205
210													14.0	182.5	21,200	27.1	209.3	19,100	35.5	221.6	17,100	210
215																22.5	198.2	18,400	32.0	213.9	16,400	215
220																16.6	183.7	17,700	28.2	205.1	15,700	220
225																6.8	158.4	16,900	23.7	194.6	15,100	225
230																			18.2	181.2	14,500	230
235																			10.2	160.7	13,800	235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.5	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	72,700*																85
90	64.0	301.9	63,300*	69.1	306.0	69,900*																90
95	62.0	299.4	60,900*	67.2	304.0	67,300*																95
100	60.0	296.5	58,600*	65.2	301.7	64,900*																100
105	57.9	293.5	55,900*	63.2	299.3	62,500*	66.2	301.4	65,800													105
110	55.7	290.1	52,000*	61.2	296.6	60,200*	64.3	299.1	62,000													110
115	53.5	286.5	48,500*	59.1	293.6	58,000*	62.2	296.5	58,500													115
120	51.2	282.6	45,400*	57.0	290.5	54,300*	60.2	293.7	55,300													120
125	48.9	278.3	42,500*	54.8	287.0	50,500*	58.1	290.7	52,500													125
130	46.4	273.7	39,900*	52.6	283.3	47,200*	56.0	287.4	49,800	61.2	291.7	45,900										130
135	43.9	268.6	37,200*	50.2	279.2	44,200*	53.8	283.8	47,400	59.2	288.8	43,600										135
140	41.2	263.1	34,800*	47.9	274.8	41,500*	51.5	279.9	45,100	57.1	285.7	41,500										140
145	38.4	257.0	32,500*	45.4	270.0	39,000*	49.1	275.7	42,900*	54.9	282.2	39,600										145
150	35.4	250.2	30,400*	42.8	264.8	36,700*	46.7	271.1	40,300*	52.7	278.5	37,800	58.0	282.6	34,500							150
155	32.1	242.6	28,500*	40.0	259.0	34,600*	44.2	266.1	37,900*	50.3	274.5	36,100	55.9	279.3	32,900							155
160	28.5	233.9	26,700*	37.1	252.6	32,700*	41.5	260.6	35,700*	48.0	270.1	34,500	53.6	275.7	31,400							160
165	24.4	223.6	25,100*	34.0	245.5	30,900*	38.7	254.6	33,700*	45.5	265.3	33,000	51.4	271.8	30,100							165
170	19.5	211.0	23,600*	30.6	237.5	29,300*	35.7	247.9	31,900*	42.9	260.1	31,700	49.0	267.6	28,800							170
175	12.9	193.3	22,300*	26.9	228.2	27,800*	32.5	240.4	30,200*	40.2	254.3	30,400	46.6	263.0	27,600	52.2	267.7	24,900				175
180				22.5	217.1	26,300*	28.9	231.8	28,600*	37.3	248.0	29,100	44.1	257.9	26,500	49.9	263.6	23,800				180
185				17.1	202.8	25,000*	24.9	221.7	27,100*	34.2	240.9	28,000	41.4	252.4	25,400	47.5	259.1	22,900				185
190				8.8	180.3	23,000*	20.2	209.4	25,700*	30.8	232.9	26,900	38.6	246.4	24,400	45.0	254.2	21,900				190
195							13.9	192.6	24,400*	27.0	223.7	25,800	35.6	239.6	23,400	42.4	248.9	21,000				195
200										22.7	212.7	24,800	32.3	232.1	22,500	39.6	243.0	20,200	45.6	248.9	17,900	200
205										17.4	198.6	23,900	28.8	223.4	21,600	36.7	236.6	19,400	43.0	243.7	17,200	205
210										9.3	176.8	22,900	24.7	213.3	20,800	33.5	229.3	18,600	40.3	238.0	16,500	210
215													19.9	200.9	20,000	30.1	221.1	17,900	37.4	231.7	15,800	215
220													13.5	183.7	19,200	26.2	211.6	17,200	34.3	224.7	15,200	220
225																21.7	200.1	16,500	31.0	216.7	14,500	225
230																16.1	185.1	15,800	27.2	207.5	13,900	230
235																6.5	159.0	15,100	22.9	196.6	13,400	235
240																			17.6	182.8	12,800	240
245																			9.8	161.6	12,200	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	66,500*																90
95	63.8	310.6	59,400*	68.6	314.8	64,300*																95
100	61.9	308.0	57,200*	66.7	312.7	63,100*																100
105	60.0	305.2	54,600*	64.9	310.4	60,900*	67.7	312.3	64,000*													105
110	58.0	302.1	51,400*	63.0	307.9	58,700*	65.9	310.1	61,700													110
115	56.0	298.8	48,200*	61.1	305.2	56,700*	64.0	307.8	58,200													115
120	53.9	295.3	45,100*	59.1	302.3	54,000*	62.1	305.2	55,100													120
125	51.8	291.4	42,200*	57.1	299.1	50,300*	60.2	302.4	52,200													125
130	49.6	287.2	39,700*	55.1	295.7	46,900*	58.2	299.3	49,500													130
135	47.3	282.7	37,300*	53.0	292.0	43,900*	56.2	296.1	47,100	61.2	300.4	43,300										135
140	45.0	277.9	34,900*	50.9	288.1	41,200*	54.1	292.5	44,900	59.2	297.5	41,200										140
145	42.5	272.6	32,700*	48.6	283.8	38,700*	52.0	288.7	42,600*	57.2	294.3	39,300										145
150	39.9	266.8	30,700*	46.3	279.1	36,400*	49.8	284.6	40,000*	55.2	290.9	37,500										150
155	37.2	260.4	28,800*	43.9	274.1	34,300*	47.6	280.1	37,600*	53.1	287.3	35,800										155
160	34.3	253.3	27,000*	41.4	268.6	32,400*	45.2	275.3	35,400*	51.0	283.3	34,200	56.1	288.0	31,200							160
165	31.1	245.4	25,400*	38.8	262.5	30,600*	42.8	270.0	33,400*	48.7	279.0	32,800	54.0	284.4	29,800							165
170	27.6	236.3	23,900*	36.0	255.9	29,000*	40.2	264.3	31,600*	46.4	274.4	31,400	51.9	280.6	28,500							170
175	23.7	225.7	22,500*	33.0	248.5	27,500*	37.5	258.0	29,900*	44.0	269.4	30,100	49.7	276.5	27,300							175
180	18.9	212.6	21,200*	29.7	240.1	26,100*	34.6	251.0	28,300*	41.5	263.9	28,900	47.5	272.0	26,200	52.7	276.4	23,600				180
185	12.5	194.3	20,100*	26.0	230.5	24,700*	31.5	243.2	26,800*	38.9	257.9	27,800	45.1	267.1	25,100	50.5	272.4	22,600				185
190				21.8	219.0	23,500*	28.0	234.3	25,400*	36.1	251.2	26,700	42.7	261.9	24,100	48.3	268.1	21,700				190
195				16.6	204.3	22,300*	24.1	223.9	24,100*	33.1	243.9	25,600	40.1	256.1	23,200	46.0	263.4	20,800				195
200				8.5	181.0	20,500*	19.5	211.1	22,900*	29.8	235.6	24,700	37.4	249.8	22,300	43.5	258.2	19,900				200
205							13.4	193.7	21,800*	26.2	226.0	23,700	34.5	242.7	21,400	41.0	252.6	19,100	46.5	258.0	16,900	205
210										22.0	214.6	22,800	31.3	234.9	20,600	38.4	246.5	18,400	44.2	253.0	16,200	210
215										16.8	200.1	22,000	27.9	225.9	19,800	35.5	239.8	17,600	41.7	247.5	15,600	215
220										9.0	177.5	21,100	24.0	215.4	19,000	32.5	232.2	16,900	39.0	241.6	14,900	220
225													19.3	202.5	18,300	29.1	223.7	16,300	36.2	235.0	14,300	225
230													13.1	184.8	17,600	25.4	213.8	15,600	33.3	227.6	13,700	230
235																21.1	201.9	15,000	30.0	219.4	13,200	235
240																15.6	186.4	14,400	26.4	209.9	12,600	240
245																6.3	159.5	13,800	22.2	198.6	12,100	245
250																			17.1	184.2	11,600	250
255																			9.5	162.4	11,000	255

MANITOWOC ENGINEERING CO.

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THE SCOPE OF ANSI B30.5

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	60,500*																95
100	63.6	319.3	55,300*	68.1	323.6	59,000*																100
105	61.8	316.7	52,700*	66.4	321.4	57,400*																105
110	60.0	313.8	49,900*	64.6	319.1	56,900*	67.3	321.1	59,700*													110
115	58.1	310.8	47,200*	62.8	316.6	55,000*	65.6	318.8	57,700													115
120	56.2	307.5	44,500*	61.0	313.9	53,100*	63.8	316.4	54,600													120
125	54.2	304.0	41,700*	59.2	311.0	49,700*	62.0	313.8	51,700													125
130	52.2	300.2	39,100*	57.3	307.8	46,400*	60.2	311.0	49,000													130
135	50.2	296.1	36,800*	55.4	304.4	43,400*	58.3	308.0	46,600	62.9	311.8	42,800										135
140	48.1	291.7	34,600*	53.4	300.8	40,600*	56.4	304.7	44,400	61.1	309.1	40,700										140
145	45.9	287.0	32,600*	51.4	296.9	38,100*	54.5	301.2	42,100*	59.3	306.2	38,700										145
150	43.6	281.9	30,700*	49.3	292.7	35,900*	52.5	297.5	39,500*	57.4	303.0	37,000										150
155	41.2	276.3	28,900*	47.2	288.2	33,800*	50.4	293.4	37,100*	55.5	299.7	35,300										155
160	38.7	270.3	27,200*	44.9	283.3	31,900*	48.3	289.1	34,900*	53.5	296.0	33,700										160
165	36.1	263.6	25,600*	42.6	278.0	30,100*	46.1	284.4	32,900*	51.5	292.1	32,300	56.3	296.7	29,200							165
170	33.3	256.3	24,100*	40.2	272.2	28,500*	43.9	279.3	31,000*	49.4	287.9	30,900	54.4	293.2	28,000							170
175	30.2	248.1	22,700*	37.6	266.0	26,900*	41.5	273.8	29,300*	47.3	283.4	29,600	52.4	289.4	26,800							175
180	26.8	238.7	21,400*	34.9	259.0	25,500*	39.0	267.8	27,800*	45.0	278.6	28,400	50.3	285.3	25,700							180
185	23.0	227.7	20,200*	32.0	251.4	24,200*	36.4	261.3	26,300*	42.7	273.3	27,300	48.2	281.0	24,600							185
190	18.4	214.2	19,100*	28.8	242.7	23,000*	33.6	254.0	24,900*	40.3	267.6	26,200	46.0	276.3	23,600	51.1	281.3	21,100				190
195	12.2	195.4	18,100*	25.3	232.7	21,800*	30.6	245.9	23,600*	37.8	261.3	25,200	43.8	271.2	22,600	49.0	277.0	20,200				195
200				21.2	220.9	20,700*	27.2	236.7	22,400*	35.1	254.4	24,200	41.4	265.7	21,700	46.8	272.4	19,400				200
205				16.1	205.7	19,600*	23.4	225.9	21,300*	32.1	246.8	23,300	38.9	259.6	20,900	44.6	267.5	18,600				205
210				8.3	181.7	18,000*	19.0	212.8	20,200*	29.0	238.2	22,400	36.3	253.0	20,100	42.2	262.1	17,800	47.4	267.1	15,600	210
215							13.0	194.9	19,200*	25.4	228.3	21,500	33.5	245.8	19,300	39.8	256.3	17,100	45.1	262.2	15,000	215
220										21.4	216.5	20,700	30.4	237.6	18,500	37.2	249.9	16,400	42.8	256.9	14,300	220
225										16.3	201.5	19,700*	27.1	228.3	17,800	34.5	242.9	15,700	40.4	251.2	13,700	225
230										8.8	178.3	18,700*	23.3	217.5	17,100	31.5	235.1	15,100	37.9	245.0	13,200	230
235													18.7	204.2	16,500	28.3	226.2	14,500	35.2	238.2	12,600	235
240													12.7	185.9	15,800	24.7	216.0	13,900	32.3	230.5	12,100	240
245																20.4	203.7	13,400	29.1	222.0	11,600	245
250																15.1	187.7	12,800	25.6	212.2	11,100	250
255																6.1	160.0	12,200	21.6	200.5	10,600	255
260																			16.6	185.7	10,100	260
265																			9.3	163.2	9,600	265

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	59,200*																			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	56,200*																100
105	63.4	328.0	50,400*	67.7	332.3	55,000*																105
110	61.7	325.3	48,100*	66.0	330.1	53,900*																110
115	60.0	322.5	45,800*	64.4	327.8	52,800*	66.9	329.8	55,900*													115
120	58.2	319.5	43,400*	62.7	325.3	51,800*	65.3	327.5	54,100													120
125	56.4	316.2	41,100*	61.0	322.5	49,200*	63.6	325.1	51,200													125
130	54.6	312.7	38,600*	59.2	319.6	45,900*	61.9	322.5	48,600													130
135	52.7	309.0	36,300*	57.5	316.5	42,900*	60.2	319.7	46,200													135
140	50.7	305.0	34,100*	55.6	313.1	40,100*	58.4	316.7	43,900	62.8	320.4	40,200										140
145	48.8	300.7	32,100*	53.8	309.6	37,700*	56.6	313.4	41,600*	61.1	317.7	38,300										145
150	46.7	296.1	30,300*	51.9	305.7	35,400*	54.8	310.0	39,000*	59.3	314.8	36,500										150
155	44.6	291.1	28,600*	49.9	301.6	33,300*	52.9	306.3	36,600*	57.5	311.7	34,800										155
160	42.4	285.8	27,100*	47.9	297.2	31,400*	51.0	302.3	34,400*	55.7	308.4	33,300										160
165	40.1	280.0	25,600*	45.8	292.4	29,600*	49.0	298.0	32,400*	53.9	304.8	31,800										165
170	37.7	273.7	24,200*	43.7	287.3	28,000*	46.9	293.5	30,600*	52.0	300.9	30,500	56.5	305.4	27,500							170
175	35.1	266.8	22,900*	41.4	281.8	26,500*	44.8	288.6	28,800*	50.0	296.8	29,200	54.7	301.9	26,300							175
180	32.3	259.2	21,600*	39.1	275.8	25,000*	42.6	283.3	27,300*	48.0	292.4	28,000	52.8	298.2	25,200							180
185	29.4	250.7	20,400*	36.6	269.3	23,700*	40.3	277.5	25,800*	45.9	287.7	26,800	50.9	294.2	24,100							185
190	26.1	241.0	19,300*	34.0	262.1	22,500*	37.9	271.3	24,400*	43.8	282.6	25,800	48.9	289.9	23,100							190
195	22.3	229.7	18,300*	31.1	254.1	21,300*	35.4	264.5	23,100*	41.5	277.1	24,700	46.9	285.3	22,200	51.6	290.1	19,700				195
200	17.9	215.8	17,300*	28.0	245.2	20,200*	32.7	257.0	21,900*	39.2	271.1	23,800	44.7	280.4	21,300	49.6	285.9	18,900				200
205	11.8	196.4	16,000*	24.6	234.9	19,200*	29.7	248.6	20,800*	36.7	264.6	22,800	42.5	275.1	20,400	47.6	281.5	18,100				205
210				20.6	222.7	18,200*	26.5	239.1	19,700*	34.1	257.5	22,000	40.2	269.3	19,600	45.5	276.6	17,300				210
215				15.6	207.0	17,300*	22.8	228.0	18,700*	31.3	249.6	21,100	37.8	263.1	18,900	43.3	271.5	16,600				215
220				8.0	182.3	15,800*	18.4	214.4	17,800*	28.2	240.7	20,300*	35.3	256.2	18,100	41.1	265.9	16,000	46.0	271.3	13,900	220
225							12.7	196.0	16,800*	24.7	230.5	19,200*	32.5	248.7	17,400	38.7	259.8	15,300	43.9	266.2	13,300	225
230										20.8	218.3	18,300*	29.6	240.2	16,700	36.2	253.2	14,700	41.6	260.8	12,700	230
235										15.9	202.9	17,300*	26.3	230.7	16,100	33.5	245.9	14,100	39.3	254.8	12,100	235
240										8.5	179.0	16,400*	22.6	219.5	15,500	30.7	237.8	13,500	36.8	248.3	11,600	240
245													18.2	205.8	14,800	27.5	228.7	13,000	34.2	241.2	11,100	245
250													12.3	187.0	14,200	24.0	218.1	12,400	31.4	233.4	10,600	250
255																19.9	205.5	11,900	28.3	224.5	10,200	255
260																14.7	189.0	11,400	24.9	214.4	9,700	260
265																6.0	160.5	10,900	21.0	202.3	9,300	265
270																			16.1	187.1	8,800	270
275																			9.0	163.9	8,400	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	50,100*																110
115	61.6	334.0	44,200*	65.8	338.9	49,100*																115
120	60.0	331.2	42,200*	64.2	336.5	48,100*	66.6	338.5	50,700*													120
125	58.3	328.1	40,200*	62.6	333.9	46,000*	65.0	336.2	48,900*													125
130	56.6	324.9	38,200*	60.9	331.2	44,000*	63.4	333.8	46,900*													130
135	54.8	321.4	36,200*	59.3	328.3	41,900*	61.8	331.2	44,900*													135
140	53.1	317.7	34,000*	57.6	325.2	40,000*	60.2	328.3	43,000*													140
145	51.2	313.8	32,000*	55.9	321.8	37,600*	58.5	325.3	41,000*	62.6	329.1	37,700										145
150	49.4	309.6	30,100*	54.1	318.3	35,300*	56.8	322.1	38,900*	61.0	326.4	35,900										150
155	47.4	305.1	28,400*	52.3	314.5	33,100*	55.0	318.7	36,500*	59.3	323.5	34,300										155
160	45.5	300.3	26,800*	50.5	310.5	31,200*	53.3	315.0	34,300*	57.7	320.4	32,700										160
165	43.4	295.1	25,300*	48.6	306.1	29,400*	51.4	311.1	32,200*	55.9	317.1	31,300										165
170	41.2	289.6	23,900*	46.6	301.5	27,700*	49.6	306.9	30,300*	54.2	313.5	29,900										170
175	39.0	283.6	22,600*	44.6	296.5	26,200*	47.7	302.5	28,600*	52.4	309.7	28,700	56.7	314.0	25,700							175
180	36.7	277.0	21,400*	42.5	291.2	24,700*	45.7	297.7	27,000*	50.5	305.7	27,500	55.0	310.6	24,600							180
185	34.2	269.9	20,300*	40.3	285.5	23,400*	43.6	292.6	25,500*	48.7	301.4	26,300	53.2	306.9	23,600							185
190	31.5	262.0	19,200*	38.0	279.3	22,100*	41.5	287.1	24,100*	46.7	296.8	25,200	51.4	303.0	22,600							190
195	28.6	253.3	18,200*	35.6	272.5	20,900*	39.3	281.1	22,800*	44.7	291.8	24,200	49.5	298.8	21,600							195
200	25.4	243.3	17,200*	33.1	265.1	19,800*	36.9	274.6	21,600*	42.6	286.5	23,300	47.6	294.4	20,800	52.0	298.9	18,300				200
205	21.8	231.6	16,300*	30.3	256.9	18,800*	34.5	267.6	20,400*	40.4	280.8	22,400	45.6	289.6	19,900	50.2	294.8	17,500				205
210	17.4	217.3	15,500*	27.3	247.6	17,800*	31.8	259.8	19,300*	38.1	274.6	21,500	43.5	284.4	19,100	48.3	290.4	16,800				210
215	11.5	197.4	13,900*	23.9	237.0	16,900*	28.9	251.2	18,300*	35.7	267.9	20,700	41.4	278.9	18,300	46.3	285.8	16,100				215
220				20.1	224.4	16,000*	25.8	241.3	17,400*	33.2	260.5	19,900	39.2	272.9	17,600	44.3	280.7	15,400				220
225				15.2	208.3	15,100*	22.2	229.9	16,500*	30.4	252.3	18,900*	36.8	266.4	16,900	42.2	275.3	14,800	46.8	280.4	12,700	225
230				7.8	183.0	13,800*	18.0	216.0	15,600*	27.4	243.1	17,900*	34.3	259.3	16,200	40.0	269.5	14,100	44.8	275.5	12,100	230
235							12.3	197.0	14,800*	24.1	232.6	16,900*	31.7	251.5	15,600	37.7	263.2	13,500	42.7	270.2	11,600	235
240										20.2	220.1	16,000*	28.8	242.8	15,000	35.2	256.4	13,000	40.5	264.5	11,100	240
245										15.5	204.2	15,200*	25.6	232.9	14,400	32.6	248.8	12,400	38.2	258.3	10,600	245
250										8.3	179.7	14,400*	22.0	221.4	13,800	29.8	240.5	11,900	35.9	251.6	10,100	250
255													17.7	207.3	13,200	26.8	231.1	11,400	33.3	244.2	9,600	255
260													12.0	188.0	12,700	23.4	220.2	10,900	30.6	236.1	9,200	260
265																19.4	207.2	10,400	27.6	227.0	8,700	265
270																14.3	190.2	10,000	24.3	216.5	8,300	270
275																5.8	160.9	9,500	20.4	204.1	7,900	275
280																			15.7	188.5	7,500	280
285																			8.8	164.7	7,100	285

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	115,100*b																65
70	44.5	216.8	95,200*	59.1	226.3	108,800*b																70
75	38.1	210.9	90,800*	54.1	222.9	103,100*b	62.1	226.6	105,400b													75
80	30.7	203.2	83,300*	48.8	218.8	98,000*	57.3	223.6	97,200b													80
85	20.9	192.4	76,000*	43.0	213.7	93,300*	52.2	219.9	90,100b													85
90				36.4	207.5	87,300	46.7	215.4	83,900	60.6	222.1	78,200b										90
95				28.6	199.3	81,500*	40.7	210.0	78,500	55.7	218.9	73,100b										95
100				17.7	187.0	74,500*	33.8	203.2	73,600	50.5	215.0	68,600										100
105							25.1	193.9	69,200	44.9	210.2	64,500										105
110							11.2	177.7	65,100	38.6	204.4	60,900	53.7	212.7	56,500b							110
115										31.3	197.0	57,500	48.4	208.5	53,400							115
120										21.7	186.5	54,400	42.5	203.4	50,600							120
125													35.9	197.0	48,000	51.2	204.8	44,300				125
130													27.9	188.6	45,600	45.6	200.2	42,100				130
135													16.6	175.7	43,300	39.4	194.6	40,100				135
140																32.3	187.4	38,200	47.9	195.3	35,100	140
145																23.1	177.4	36,400	42.0	190.1	33,500	145
150																4.5	155.3	34,600	35.3	183.6	32,000	150
155																			27.2	175.0	30,500	155
160																			15.3	161.4	29,100	160

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	111,900*b																65
70	51.4	230.4	92,500*	63.3	237.8	105,900*b																70
75	46.6	225.9	88,200*	59.2	235.0	100,400*b	65.8	237.8	104,800b													75
80	41.4	220.6	83,600*	54.9	231.6	95,500*	61.8	235.3	96,700b													80
85	35.5	214.1	76,300*	50.3	227.7	90,900*	57.6	232.2	89,600b													85
90	28.6	205.8	70,100*	45.4	223.0	86,800*	53.2	228.7	83,400													90
95	19.4	194.1	64,600*	40.0	217.4	81,300	48.6	224.5	78,000	60.5	230.8	72,500b										95
100				33.9	210.5	74,700*	43.5	219.5	73,100	56.3	227.6	68,000										100
105				26.6	201.7	68,700*	37.9	213.5	68,800	51.8	223.8	64,000										105
110				16.4	188.4	63,400*	31.5	206.0	64,900	47.0	219.4	60,300										110
115							23.4	196.0	61,300	41.8	214.1	57,000	54.5	221.4	52,700							115
120							10.4	178.6	57,900	36.0	207.7	54,000	50.0	217.4	49,900							120
125										29.1	199.6	51,200	45.0	212.7	47,400							125
130										20.2	188.2	48,700	39.6	207.0	45,000	52.4	213.7	41,400				130
135													33.4	200.0	42,900	47.6	209.3	39,400				135
140													26.0	190.9	40,800	42.5	204.2	37,600				140
145													15.4	177.0	38,900	36.7	197.9	35,900				145
150																30.1	190.1	34,200	44.6	199.4	31,300	150
155																21.5	179.3	32,700	39.1	193.7	29,900	155
160																4.1	155.6	31,100	32.9	186.5	28,600	160
165																			25.3	177.2	27,400	165
170																			14.2	162.6	26,100	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	108,900*b																65
70	56.4	242.9	90,200*	66.5	249.0	103,200*b																70
75	52.5	239.2	86,000*	62.9	246.5	98,000*b																75
80	48.3	235.0	82,200*	59.3	243.7	93,200*	65.2	246.5	96,200b													80
85	43.8	230.0	76,500*	55.5	240.4	88,900*	61.6	243.9	89,200													85
90	38.9	224.1	70,200*	51.5	236.5	84,800*	57.9	240.9	83,000													90
95	33.4	217.1	64,800*	47.2	232.1	81,000	54.0	237.4	77,600													95
100	26.9	208.2	60,000*	42.6	227.0	74,900*	49.9	233.4	72,800	60.5	239.4	67,500										100
105	18.3	195.6	55,300*	37.6	220.8	68,900*	45.6	228.7	68,500	56.7	236.3	63,500										105
110				31.9	213.4	63,600*	40.9	223.3	64,600	52.7	232.6	59,900										110
115				25.0	203.9	59,000*	35.6	216.7	61,000	48.6	228.4	56,600										115
120				15.4	189.7	54,900*	29.6	208.7	57,800	44.1	223.5	53,600	55.2	230.1	49,500							120
125							22.0	197.9	54,800	39.3	217.7	50,900	51.1	226.3	47,000							125
130							9.8	179.4	52,000	33.8	210.7	48,400	46.9	221.8	44,600							130
135										27.4	202.0	46,100	42.3	216.6	42,500							135
140										19.0	189.9	43,900	37.2	210.4	40,500	49.1	218.3	37,100				140
145													31.4	202.8	38,600	44.7	213.5	35,400				145
150													24.5	193.1	36,900	39.9	207.8	33,800				150
155													14.5	178.3	35,200	34.5	201.1	32,400	46.5	208.6	29,500	155
160																28.3	192.6	30,900	41.9	203.3	28,200	160
165																20.3	181.1	29,600	36.8	197.0	27,000	165
170																3.8	155.9	28,200	30.9	189.3	25,800	170
175																			23.8	179.3	24,700	175
180																			13.4	163.7	23,700	180

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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*b																			50
55	69.7	262.0	102,500*b																			55
60	66.6	259.9	97,100*b																			60
65	63.4	257.5	92,300*																			65
70	60.2	254.8	87,800*	69.0	259.8	100,200*b																70
75	56.8	251.6	83,700*	65.8	257.7	95,300*																75
80	53.2	248.0	80,000*	62.6	255.2	90,800*	67.8	257.5	95,600b													80
85	49.5	243.9	76,400*	59.3	252.3	86,600*	64.7	255.2	88,600													85
90	45.6	239.2	70,000*	55.9	249.1	82,700*	61.5	252.6	82,500													90
95	41.4	233.8	64,600*	52.4	245.4	79,100*	58.1	249.6	77,000													95
100	36.8	227.5	59,800*	48.6	241.1	74,800*	54.6	246.2	72,200													100
105	31.6	219.9	55,600*	44.6	236.3	68,700*	51.0	242.3	67,900	60.4	248.1	62,900										105
110	25.4	210.4	50,900*	40.3	230.7	63,400*	47.2	237.8	64,100	57.0	244.9	59,300										110
115	17.3	197.1	46,800*	35.6	224.1	58,800*	43.1	232.7	60,600	53.5	241.4	56,000										115
120				30.2	216.1	54,700*	38.6	226.8	57,400	49.8	237.3	53,100										120
125				23.7	206.0	51,000*	33.7	219.8	54,400	45.9	232.7	50,300	55.7	238.8	46,300							125
130				14.6	190.9	47,700*	28.0	211.1	51,800	41.7	227.3	47,900	52.1	235.1	44,000							130
135							20.8	199.7	49,200	37.1	221.1	45,600	48.3	230.8	41,900							135
140							9.2	180.1	46,600*	32.0	213.6	43,400	44.3	225.9	39,900							140
145										25.9	204.3	41,400	40.0	220.2	38,100	50.3	227.2	34,700				145
150										18.0	191.4	39,600	35.2	213.6	36,400	46.4	222.7	33,200				150
155													29.7	205.5	34,800	42.3	217.4	31,700				155
160													23.1	195.1	33,300	37.7	211.3	30,300	48.0	217.6	27,500	160
165													13.7	179.4	31,800	32.7	204.0	29,100	44.0	212.7	26,300	165
170																26.7	195.0	27,800	39.6	206.9	25,200	170
175																19.2	182.7	26,600	34.8	200.2	24,100	175
180																3.6	156.1	25,400	29.3	191.9	23,100	180
185																			22.5	181.3	22,200	185
190																			12.6	164.8	21,200	190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

155 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.4	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	97,500*																70
75	60.1	263.4	81,900*	68.2	268.6	92,900*																75
80	57.1	260.3	78,200*	65.3	266.4	88,600*																80
85	53.9	256.8	74,900*	62.4	263.8	84,700*	67.1	266.2	88,100													85
90	50.6	252.8	71,600*	59.4	261.0	80,900*	64.3	263.9	81,900													90
95	47.1	248.3	66,000*	56.3	257.8	77,500*	61.3	261.2	76,500													95
100	43.4	243.2	61,100*	53.1	254.1	74,300*	58.3	258.3	71,800													100
105	39.4	237.4	55,900*	49.7	250.0	70,200*	55.2	254.9	67,500													105
110	35.0	230.7	51,300*	46.2	245.4	64,800*	51.9	251.1	63,600	60.4	256.7	58,800										110
115	30.0	222.6	47,200*	42.4	240.2	60,000*	48.5	246.8	60,100	57.3	253.6	55,500										115
120	24.2	212.6	43,600*	38.3	234.2	55,900*	44.8	242.0	56,900	54.1	250.1	52,600										120
125	16.4	198.5	40,400*	33.8	227.1	52,100*	41.0	236.5	54,000	50.8	246.2	49,900										125
130				28.7	218.7	48,800*	36.7	230.1	51,400	47.3	241.8	47,400	56.1	247.5	43,400							130
135				22.5	207.9	45,800*	32.1	222.6	48,900	43.6	236.7	45,100	52.8	243.9	41,300							135
140				13.9	192.1	43,100*	26.6	213.5	46,600	39.7	231.0	43,000	49.5	239.8	39,400							140
145							19.8	201.5	44,500	35.3	224.3	41,000	45.9	235.1	37,600							145
150							8.8	180.8	42,100*	30.4	216.3	39,200	42.1	229.8	35,900	51.2	236.1	32,600				150
155										24.7	206.5	37,500	38.0	223.7	34,300	47.8	231.7	31,200				155
160										17.1	192.9	35,900	33.5	216.6	32,800	44.1	226.7	29,800				160
165													28.3	208.0	31,500	40.2	221.1	28,600				165
170													22.0	197.0	30,100	35.9	214.5	27,400				170
175													13.0	180.5	28,800	31.1	206.8	26,200	45.6	221.9	24,700	175
180																25.4	197.2	25,200	37.7	210.4	22,600	180
185																18.2	184.3	24,100	33.1	203.1	21,700	185
190																3.4	156.3	23,000	27.8	194.4	20,800	190
195																			21.4	183.2	20,000	195
200																			12.0	165.8	19,100	200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	90,100*																75
80	60.1	272.1	76,200*	67.5	277.3	86,100*																80
85	57.3	269.0	73,000*	64.9	275.1	82,400*																85
90	54.4	265.5	70,000*	62.2	272.5	78,800*	66.6	274.9	81,400													90
95	51.4	261.6	65,600*	59.5	269.7	75,500*	63.9	272.6	76,000													95
100	48.2	257.3	60,700*	56.6	266.5	72,400*	61.2	269.9	71,200													100
105	44.9	252.5	56,000*	53.7	262.9	69,500*	58.4	266.9	66,900													105
110	41.4	247.0	51,600*	50.6	258.9	64,400*	55.6	263.6	63,100													110
115	37.6	240.8	47,500*	47.5	254.5	59,600*	52.6	259.9	59,600	60.3	265.4	54,900										115
120	33.4	233.7	43,800*	44.1	249.5	55,400*	49.5	255.8	56,400	57.5	262.3	52,000										120
125	28.7	225.2	40,500*	40.5	243.9	51,700*	46.3	251.1	53,600	54.6	258.9	49,300										125
130	23.1	214.6	37,600*	36.6	237.5	48,400*	42.8	246.0	50,900	51.6	255.0	46,800										130
135	15.7	199.9	35,000*	32.3	230.0	45,400*	39.1	240.1	48,500	48.5	250.8	44,600	56.4	256.2	40,700							135
140				27.4	221.1	42,700*	35.1	233.3	46,200	45.2	246.0	42,500	53.5	252.7	38,800							140
145				21.5	209.8	40,200*	30.6	225.4	44,100	41.7	240.6	40,500	50.4	248.7	37,000							145
150				13.3	193.2	37,900*	25.4	215.8	41,700*	37.9	234.4	38,700	47.2	244.2	35,300							150
155							19.0	203.1	39,300*	33.7	227.3	37,000	43.8	239.2	33,800	52.0	244.9	30,600				155
160							8.4	181.5	37,100*	29.1	218.9	35,400	40.2	233.5	32,300	48.9	240.7	29,200				160
165										23.6	208.6	33,900	36.3	227.0	30,900	45.6	235.9	28,000				165
170										16.4	194.3	32,500	32.0	219.5	29,600	42.1	230.6	26,800				170
175													27.0	210.4	28,400	38.4	224.6	25,700	46.9	231.0	23,000	175
180													21.0	198.9	27,300	34.3	217.6	24,600	43.5	225.9	22,000	180
185													12.4	181.6	26,100	29.7	209.4	23,600	39.9	220.2	21,100	185
190																24.3	199.4	22,600	36.0	213.6	20,200	190
195																17.4	185.8	21,700	31.6	206.0	19,400	195
200																3.2	156.5	20,700	26.6	196.8	18,600	200
205																			20.5	184.9	17,800	205
210																			11.5	166.7	17,100	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.6	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	83,700*																80
85	60.1	280.7	71,300*	66.9	286.1	80,200*																85
90	57.5	277.7	68,400*	64.5	283.8	76,900*																90
95	54.9	274.2	65,500*	62.0	281.2	73,800*	66.1	283.7	75,700													95
100	52.1	270.5	60,600*	59.5	278.3	70,800*	63.6	281.2	71,000													100
105	49.2	266.3	56,000*	56.9	275.1	68,000*	61.1	278.6	66,700													105
110	46.2	261.6	51,700*	54.2	271.6	64,300*	58.6	275.6	62,800													110
115	43.1	256.5	47,800*	51.4	267.8	59,500*	55.9	272.3	59,400	62.8	276.8	54,600										115
120	39.7	250.7	44,200*	48.5	263.5	55,300*	53.2	268.7	56,200	60.3	274.1	51,700										120
125	36.0	244.1	40,900*	45.5	258.7	51,600*	50.4	264.7	53,300	57.7	271.0	49,000										125
130	32.0	236.6	37,900*	42.3	253.4	48,300*	47.4	260.2	50,700	55.1	267.6	46,600										130
135	27.5	227.6	35,300*	38.8	247.4	45,300*	44.3	255.3	48,300	52.3	263.8	44,300										135
140	22.2	216.5	32,800*	35.1	240.7	42,500*	41.0	249.7	46,000	49.4	259.7	42,200	56.7	264.9	38,500							140
145	15.1	201.2	30,700*	31.0	232.8	40,100*	37.5	243.5	43,900	46.4	255.1	40,300	54.0	261.4	36,700							145
150				26.3	223.4	37,800*	33.7	236.3	41,600*	43.3	250.0	38,500	51.2	257.5	35,100							150
155				20.7	211.6	35,700*	29.4	228.0	39,200*	39.9	244.2	36,800	48.3	253.2	33,500							155
160				12.7	194.3	33,800*	24.4	217.9	37,000*	36.3	237.7	35,300	45.2	248.4	32,100	52.7	253.7	29,000				160
165							18.2	204.7	35,000*	32.4	230.2	33,800	42.0	243.0	30,700	49.8	249.6	27,700				165
170							8.0	182.2	33,100*	27.9	221.4	32,400	38.6	237.0	29,500	46.8	245.0	26,600				170
175										22.6	210.5	31,100	34.8	230.2	28,300	43.7	240.0	25,500				175
180										15.7	195.7	29,800	30.7	222.2	27,100	40.4	234.3	24,400				180
185													25.9	212.7	26,000	36.8	227.9	23,400	45.0	235.1	20,900	185
190													20.2	200.6	25,000	32.9	220.6	22,500	41.7	229.7	20,000	190
195													11.9	182.6	24,000	28.5	212.0	21,600	38.3	223.7	19,200	195
200																23.3	201.4	20,700	34.5	216.7	18,400	200
205																16.7	187.2	19,900	30.3	208.7	17,700	205
210																3.1	156.8	19,000	25.5	199.0	17,000	210
215																			19.6	186.7	16,300	215
220																			11.0	167.7	15,600	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.7	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	81,100*																80
85	62.5	292.2	69,300*	68.7	296.9	77,800*																85
90	60.1	289.4	66,600*	66.5	294.8	74,700*																90
95	57.7	286.3	64,000*	64.2	292.4	71,700*	67.9	294.6	75,200													95
100	55.2	282.9	59,900*	61.9	289.8	68,900*	65.6	292.4	70,400													100
105	52.7	279.2	55,600*	59.5	287.0	66,300*	63.4	289.9	66,100													105
110	50.1	275.2	51,600*	57.1	283.8	63,800*	61.0	287.2	62,300													110
115	47.3	270.7	47,800*	54.6	280.4	59,100*	58.7	284.3	58,900													115
120	44.4	265.8	44,300*	52.1	276.6	54,900*	56.2	281.0	55,700	62.6	285.5	51,100										120
125	41.4	260.3	41,100*	49.4	272.4	51,100*	53.7	277.4	52,800	60.3	282.7	48,500										125
130	38.2	254.2	38,200*	46.6	267.8	47,800*	51.1	273.5	50,200	57.9	279.7	46,000										130
135	34.7	247.2	35,500*	43.7	262.8	44,800*	48.4	269.2	47,800	55.4	276.3	43,800										135
140	30.8	239.3	33,100*	40.6	257.1	42,100*	45.6	264.4	45,500	52.9	272.6	41,700										140
145	26.5	230.0	30,900*	37.3	250.8	39,600*	42.6	259.2	43,500	50.3	268.6	39,800	56.9	273.6	36,100							145
150	21.3	218.4	28,900*	33.8	243.7	37,300*	39.5	253.3	41,200*	47.5	264.1	38,000	54.4	270.1	34,500							150
155	14.5	202.4	27,100*	29.8	235.5	35,200*	36.1	246.8	38,800*	44.6	259.2	36,300	51.9	266.3	33,000							155
160				25.3	225.7	33,300*	32.4	239.3	36,600*	41.6	253.8	34,800	49.2	262.1	31,500							160
165				19.9	213.4	31,500*	28.3	230.5	34,500*	38.4	247.7	33,300	46.4	257.5	30,200							165
170				12.2	195.4	29,900*	23.5	220.0	32,700*	34.9	240.9	31,900	43.5	252.4	28,900	50.6	258.5	25,900				170
175							17.5	206.2	30,900*	31.1	233.0	30,600	40.4	246.7	27,700	47.9	254.1	24,900				175
180							7.7	182.8	29,300*	26.8	223.8	29,400	37.1	240.4	26,600	45.0	249.2	23,800				180
185										21.8	212.4	28,200	33.5	233.2	25,500	42.0	243.9	22,800				185
190										15.1	197.0	27,100	29.5	224.8	24,500	38.8	237.9	21,900	46.2	244.3	19,400	190
195													25.0	214.9	23,600	35.4	231.1	21,000	43.2	239.1	18,600	195
200													19.4	202.3	22,600	31.6	223.4	20,200	40.1	233.4	17,800	200
205													11.5	183.6	21,700	27.4	214.4	19,400	36.8	227.0	17,100	205
210																22.4	203.4	18,600	33.2	219.7	16,400	210
215																16.1	188.6	17,900	29.2	211.3	15,800	215
220																2.9	157.0	17,100	24.6	201.2	15,100	220
225																			18.9	188.3	14,500	225
230																			10.6	168.5	13,900	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	74,600*																85
90	62.3	300.9	64,400*	68.1	305.7	71,800*																90
95	60.1	298.1	61,900*	66.0	303.5	69,100*																95
100	57.9	295.0	59,300*	63.9	301.1	66,600*	67.4	303.3	69,900													100
105	55.6	291.7	55,300*	61.8	298.5	64,100*	65.3	301.1	65,700													105
110	53.2	288.0	51,500*	59.6	295.6	61,800*	63.1	298.6	61,800													110
115	50.8	284.0	47,900*	57.3	292.5	59,500*	61.0	295.9	58,400													115
120	48.2	279.7	44,600*	55.0	289.1	55,800*	58.8	292.9	55,200													120
125	45.6	274.9	41,500*	52.6	285.4	51,900*	56.5	289.7	52,400	62.5	294.2	47,900										125
130	42.8	269.7	38,600*	50.2	281.3	48,500*	54.1	286.2	49,700	60.3	291.4	45,500										130
135	39.9	263.9	36,000*	47.6	276.9	45,400*	51.7	282.3	47,300	58.0	288.3	43,300										135
140	36.8	257.5	33,600*	44.9	272.0	42,600*	49.2	278.1	45,100	55.7	285.0	41,200										140
145	33.4	250.3	31,400*	42.1	266.6	40,100*	46.6	273.5	43,000	53.4	281.4	39,300										145
150	29.7	242.0	29,300*	39.2	260.7	37,800*	43.9	268.5	41,100	50.9	277.4	37,500	57.1	282.3	34,000							150
155	25.6	232.2	27,500*	36.0	254.1	35,600*	41.1	263.0	39,200*	48.4	273.1	35,800	54.8	278.9	32,400							155
160	20.6	220.2	25,800*	32.6	246.6	33,700*	38.1	256.8	37,000*	45.8	268.4	34,300	52.4	275.1	31,000							160
165	14.0	203.6	24,300*	28.8	238.0	31,900*	34.8	249.9	34,900*	43.0	263.2	32,800	50.0	271.0	29,700							165
170				24.4	227.8	30,200*	31.2	242.1	33,000*	40.1	257.5	31,500	47.4	266.6	28,400							170
175				19.2	215.0	28,700*	27.3	233.0	31,300*	37.0	251.1	30,200	44.7	261.7	27,200	51.3	267.3	24,300				175
180				11.8	196.4	27,100*	22.7	222.0	29,600*	33.7	243.9	29,000	41.9	256.3	26,100	48.7	263.0	23,300				180
185							16.9	207.7	28,100*	30.0	235.7	27,800	39.0	250.3	25,100	46.1	258.4	22,300				185
190							7.4	183.4	26,200*	25.9	226.1	26,800	35.8	243.6	24,100	43.4	253.2	21,400				190
195										21.0	214.3	25,700	32.3	236.1	23,100	40.5	247.6	20,600	47.2	253.3	18,100	195
200										14.6	198.2	24,700	28.5	227.4	22,200	37.4	241.3	19,700	44.5	248.4	17,300	200
205													24.1	217.0	21,300	34.1	234.2	18,900	41.7	243.0	16,600	205
210													18.7	204.0	20,500	30.5	226.2	18,200	38.7	236.9	15,900	210
215													11.1	184.5	19,700	26.4	216.7	17,500	35.5	230.2	15,300	215
220																21.7	205.3	16,800	32.0	222.6	14,600	220
225																15.5	190.0	16,100	28.2	213.8	14,000	225
230																2.8	157.2	15,400	23.7	203.3	13,500	230
235																			18.2	189.9	12,900	235
240																			10.2	169.4	12,300	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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	69,500*																90
95	62.2	309.5	60,200*	67.6	314.4	67,000*																95
100	60.1	306.7	57,600*	65.7	312.2	64,600*																100
105	58.0	303.7	54,100*	63.7	309.8	62,300*	66.9	312.0	65,100													105
110	55.9	300.4	50,700*	61.7	307.2	60,000*	65.0	309.8	61,300													110
115	53.7	296.8	47,400*	59.6	304.3	57,900*	62.9	307.3	57,800													115
120	51.4	292.9	44,300*	57.5	301.2	55,300*	60.9	304.5	54,700													120
125	49.0	288.6	41,400*	55.3	297.8	51,400*	58.8	301.6	51,900													125
130	46.6	284.0	38,600*	53.1	294.1	48,000*	56.7	298.4	49,200	62.3	302.8	44,900										130
135	44.1	279.0	36,100*	50.8	290.2	44,900*	54.5	294.9	46,800	60.3	300.0	42,700										135
140	41.4	273.5	33,700*	48.4	285.8	42,100*	52.3	291.1	44,600	58.2	297.0	40,600										140
145	38.6	267.4	31,500*	46.0	281.1	39,600*	50.0	287.0	42,500	56.0	293.7	38,700										145
150	35.6	260.7	29,500*	43.4	276.0	37,200*	47.6	282.6	40,600	53.8	290.1	37,000										150
155	32.3	253.2	27,700*	40.7	270.4	35,100*	45.1	277.7	38,700*	51.5	286.3	35,300	57.3	291.0	31,800							155
160	28.8	244.5	25,900*	37.9	264.2	33,200*	42.5	272.4	36,500*	49.2	282.0	33,800	55.2	287.6	30,400							160
165	24.7	234.4	24,400*	34.8	257.3	31,400*	39.7	266.6	34,400*	46.8	277.5	32,300	52.9	283.9	29,100							165
170	19.9	221.9	22,900*	31.5	249.5	29,700*	36.8	260.1	32,500*	44.3	272.5	31,000	50.6	279.9	27,800							170
175	13.5	204.8	21,700*	27.8	240.5	28,100*	33.6	252.9	30,800*	41.6	267.0	29,700	48.3	275.5	26,700							175
180				23.6	229.9	26,700*	30.2	244.8	29,100*	38.8	261.0	28,500	45.8	270.8	25,600	51.8	276.1	22,700				180
185				18.6	216.7	25,300*	26.4	235.3	27,600*	35.8	254.3	27,400	43.2	265.6	24,500	49.5	271.9	21,700				185
190				11.4	197.3	24,000*	21.9	223.9	26,200*	32.6	246.8	26,300	40.5	260.0	23,500	47.1	267.4	20,800				190
195							16.3	209.1	24,900*	29.0	238.3	25,300	37.7	253.7	22,600	44.6	262.5	20,000				195
200							7.2	184.0	23,200*	25.0	228.3	24,300	34.6	246.7	21,700	41.9	257.1	19,200				200
205										20.3	216.1	23,300	31.2	238.9	20,800	39.2	251.1	18,400	45.6	257.6	16,000	205
210										14.1	199.4	22,400	27.5	229.8	20,000	36.2	244.6	17,600	43.0	252.4	15,300	210
215													23.3	219.1	19,200	33.0	237.2	16,900	40.3	246.7	14,700	215
220													18.1	205.5	18,500	29.5	228.8	16,300	37.4	240.3	14,100	220
225													10.7	185.4	17,700	25.6	219.0	15,600	34.3	233.3	13,500	225
230																21.0	207.1	15,000	31.0	225.4	12,900	230
235																15.0	191.3	14,300	27.2	216.2	12,400	235
240																2.7	157.3	13,700	22.9	205.3	11,800	240
245																			17.6	191.4	11,300	245
250																			9.8	170.2	10,800	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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	65,900*																90
95	63.9	320.8	58,700*	69.0	325.2	63,900*																95
100	62.0	318.2	55,700*	67.2	323.2	62,700*																100
105	60.1	315.4	52,700*	65.3	320.9	60,600*																105
110	58.1	312.3	49,600*	63.5	318.5	58,500*	66.5	320.8	61,000													110
115	56.1	309.1	46,700*	61.6	315.8	56,500*	64.7	318.5	57,600													115
120	54.0	305.5	43,800*	59.6	313.0	54,600*	62.8	315.9	54,400													120
125	51.9	301.7	41,100*	57.6	309.9	51,100*	60.9	313.2	51,600													125
130	49.7	297.5	38,500*	55.6	306.5	47,700*	58.9	310.3	49,000													130
135	47.5	293.1	36,100*	53.5	302.9	44,600*	56.9	307.1	46,500	62.2	311.5	42,400										135
140	45.1	288.2	33,800*	51.4	299.0	41,800*	54.9	303.6	44,300	60.2	308.7	40,400										140
145	42.7	282.9	31,700*	49.2	294.8	39,300*	52.8	299.9	42,300	58.3	305.7	38,400										145
150	40.1	277.2	29,700*	46.9	290.2	36,900*	50.6	295.9	40,400	56.3	302.4	36,700										150
155	37.4	270.8	27,900*	44.5	285.3	34,800*	48.4	291.6	38,400*	54.2	298.9	35,000										155
160	34.5	263.8	26,200*	42.1	279.9	32,900*	46.1	286.9	36,200*	52.1	295.1	33,500	57.5	299.7	30,100							160
165	31.3	256.0	24,600*	39.4	274.0	31,100*	43.6	281.7	34,100*	49.9	290.9	32,100	55.5	296.3	28,800							165
170	27.9	247.0	23,200*	36.7	267.5	29,400*	41.1	276.2	32,200*	47.6	286.5	30,700	53.4	292.7	27,600							170
175	24.0	236.5	21,800*	33.7	260.3	27,800*	38.5	270.1	30,500*	45.3	281.7	29,400	51.2	288.7	26,400							175
180	19.3	223.6	20,600*	30.5	252.2	26,400*	35.6	263.4	28,800*	42.9	276.4	28,200	49.0	284.5	25,300							180
185	13.1	205.9	19,500*	27.0	242.9	25,000*	32.6	255.9	27,300*	40.3	270.7	27,100	46.7	279.9	24,300	52.3	284.9	21,500				185
190				22.9	231.9	23,800*	29.3	247.4	25,900*	37.6	264.4	26,000	44.4	274.9	23,300	50.2	280.8	20,600				190
195				18.0	218.2	22,600*	25.6	237.6	24,600*	34.7	257.5	25,000	41.9	269.5	22,300	47.9	276.4	19,700				195
200				11.1	198.3	21,400*	21.2	225.8	23,300*	31.6	249.7	24,100	39.3	263.6	21,500	45.6	271.7	18,900				200
205							15.8	210.5	22,200*	28.1	240.8	23,200	36.5	257.0	20,600	43.2	266.5	18,100				205
210							6.9	184.6	20,700*	24.3	230.5	22,300	33.5	249.8	19,800	40.6	260.8	17,400	46.5	266.7	15,100	210
215										19.7	217.8	21,400	30.3	241.6	19,000	37.9	254.6	16,700	44.2	261.7	14,400	215
220										13.6	200.6	20,600	26.7	232.2	18,300	35.1	247.7	16,000	41.7	256.2	13,800	220
225													22.6	221.1	17,600	32.0	240.1	15,400	39.0	250.2	13,200	225
230													17.6	207.1	16,900	28.6	231.3	14,800	36.2	243.6	12,700	230
235													10.4	186.3	16,200	24.8	221.2	14,200	33.3	236.3	12,100	235
240																20.3	208.9	13,600	30.0	228.0	11,600	240
245																14.5	192.5	13,000	26.4	218.5	11,100	245
250																2.6	157.5	12,400	22.2	207.2	10,600	250
255																			17.1	192.9	10,200	255
260																			9.5	171.0	9,700	260

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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*	70.2	335.9	60,500*																95
100	63.7	329.5	53,400*	68.5	334.0	59,000*																100
105	61.9	326.9	50,800*	66.8	331.9	57,900*																105
110	60.1	324.0	48,200*	65.1	329.6	56,600*	67.9	331.6	59,400*													110
115	58.2	321.0	45,500*	63.3	327.2	54,800*	66.2	329.5	57,000													115
120	56.3	317.7	43,000*	61.5	324.5	53,000*	64.4	327.1	53,900													120
125	54.4	314.2	40,500*	59.6	321.6	50,600*	62.6	324.6	51,100													125
130	52.4	310.5	38,100*	57.8	318.5	47,200*	60.8	321.9	48,400													130
135	50.3	306.4	35,800*	55.9	315.2	44,100*	59.0	318.9	46,000													135
140	48.2	302.0	33,700*	53.9	311.6	41,300*	57.1	315.8	43,800	62.1	320.2	39,800										140
145	46.0	297.3	31,700*	51.9	307.8	38,700*	55.2	312.3	41,800	60.2	317.3	37,900										145
150	43.8	292.2	29,800*	49.8	303.7	36,400*	53.2	308.7	39,900	58.4	314.3	36,100										150
155	41.4	286.7	28,000*	47.7	299.2	34,300*	51.2	304.7	37,900*	56.5	311.1	34,500										155
160	38.9	280.7	26,300*	45.5	294.4	32,300*	49.1	300.5	35,600*	54.5	307.6	33,000										160
165	36.3	274.1	24,800*	43.2	289.2	30,500*	46.9	295.9	33,600*	52.5	303.8	31,500	57.6	308.3	28,200							165
170	33.5	266.8	23,300*	40.8	283.6	28,900*	44.7	291.0	31,700*	50.5	299.8	30,200	55.7	305.0	27,000							170
175	30.4	258.7	22,000*	38.3	277.5	27,300*	42.3	285.6	29,900*	48.4	295.5	28,900	53.8	301.4	25,800							175
180	27.1	249.4	20,700*	35.6	270.7	25,900*	39.9	279.8	28,300*	46.2	290.8	27,700	51.7	297.5	24,700							180
185	23.3	238.6	19,600*	32.7	263.2	24,500*	37.3	273.5	26,800*	43.9	285.7	26,600	49.7	293.4	23,700							185
190	18.7	225.3	18,500*	29.6	254.8	23,300*	34.6	266.5	25,400*	41.6	280.2	25,500	47.5	288.9	22,700	52.8	293.7	20,000				190
195	12.7	207.0	17,500*	26.2	245.2	22,100*	31.6	258.7	24,100*	39.1	274.3	24,500	45.3	284.1	21,800	50.8	289.7	19,100				195
200				22.2	233.9	21,000*	28.4	249.9	22,800*	36.5	267.7	23,600	43.0	278.9	20,900	48.7	285.4	18,300				200
205				17.5	219.7	19,900*	24.8	239.7	21,700*	33.7	260.5	22,700	40.6	273.2	20,100	46.5	280.8	17,600				205
210				10.7	199.2	18,900*	20.6	227.6	20,600*	30.7	252.4	21,800	38.1	267.0	19,300	44.2	275.7	16,800				210
215							15.4	211.8	19,500*	27.3	243.2	21,000	35.4	260.2	18,500	41.9	270.3	16,100	47.4	275.7	13,800	215
220							6.7	185.1	18,300*	23.6	232.5	20,200	32.5	252.7	17,800	39.4	264.4	15,500	45.1	270.9	13,200	220
225										19.1	219.5	19,400	29.4	244.2	17,100	36.8	257.9	14,800	42.8	265.6	12,600	225
230										13.2	201.7	18,700	25.9	234.5	16,400	34.0	250.8	14,200	40.4	259.9	12,100	230
235													21.9	223.0	15,800	31.0	242.8	13,600	37.9	253.7	11,600	235
240													17.1	208.6	15,200	27.8	233.8	13,100	35.2	246.8	11,100	240
245													10.1	187.1	14,500	24.1	223.3	12,500	32.3	239.2	10,600	245
250																19.7	210.6	12,000	29.1	230.6	10,100	250
255																14.1	193.7	11,500	25.6	220.8	9,600	255
260																2.5	157.7	10,900	21.6	209.1	9,200	260
265																			16.6	194.4	8,700	265
270																			9.3	171.8	8,300	270

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	53,100*																105
110	61.8	335.5	46,700*	66.5	340.6	52,000*																110
115	60.1	332.7	44,500*	64.8	338.3	51,000*	67.5	340.4	54,800*													115
120	58.3	329.7	42,300*	63.1	335.8	50,700*	65.8	338.2	53,200*													120
125	56.5	326.4	40,000*	61.4	333.2	49,100*	64.2	335.8	50,600													125
130	54.7	323.0	37,900*	59.7	330.3	47,400*	62.5	333.3	48,000													130
135	52.8	319.2	35,800*	57.9	327.2	44,200*	60.8	330.5	45,600													135
140	50.9	315.3	33,700*	56.1	323.9	41,300*	59.0	327.6	43,400													140
145	48.9	311.0	31,800*	54.2	320.4	38,700*	57.2	324.4	41,300	61.9	328.8	37,400										145
150	46.9	306.4	30,000*	52.3	316.6	36,400*	55.4	321.0	39,400	60.2	326.0	35,700										150
155	44.7	301.5	28,300*	50.4	312.5	34,200*	53.6	317.4	37,700	58.5	323.0	34,000										155
160	42.5	296.2	26,600*	48.4	308.2	32,200*	51.6	313.6	35,600*	56.7	319.8	32,500										160
165	40.2	290.4	25,100*	46.3	303.5	30,400*	49.7	309.4	33,500*	54.8	316.3	31,100										165
170	37.8	284.2	23,700*	44.2	298.5	28,700*	47.7	304.9	31,500*	53.0	312.6	29,700	57.8	317.0	26,500							170
175	35.3	277.3	22,300*	42.0	293.1	27,100*	45.6	300.1	29,700*	51.0	308.7	28,500	55.9	313.7	25,300							175
180	32.5	269.8	21,100*	39.7	287.2	25,600*	43.4	295.0	28,100*	49.0	304.4	27,300	54.1	310.1	24,300							180
185	29.6	261.3	19,900*	37.2	280.8	24,300*	41.2	289.4	26,600*	47.0	299.8	26,200	52.2	306.3	23,200							185
190	26.3	251.8	18,800*	34.6	273.8	23,000*	38.8	283.4	25,100*	44.9	294.9	25,100	50.3	302.3	22,300							190
195	22.6	240.6	17,800*	31.8	266.1	21,800*	36.3	276.8	23,800*	42.7	289.7	24,100	48.3	297.9	21,300							195
200	18.2	226.9	16,800*	28.8	257.4	20,600*	33.6	269.5	22,500*	40.4	283.9	23,200	46.2	293.2	20,500	51.3	298.5	17,800				200
205	12.4	208.1	16,000*	25.5	247.5	19,600*	30.8	261.5	21,400*	38.0	277.7	22,300	44.0	288.2	19,600	49.3	294.3	17,100				205
210				21.6	235.8	18,600*	27.6	252.4	20,300*	35.5	270.9	21,400	41.8	282.7	18,800	47.3	289.8	16,400				210
215				17.0	221.2	17,600*	24.1	241.9	19,200*	32.7	263.4	20,600	39.5	276.8	18,100	45.2	284.9	15,700				215
220				10.4	200.1	16,700*	20.1	229.3	18,200*	29.8	255.1	19,800	37.0	270.4	17,400	43.0	279.7	15,000				220
225							14.9	213.1	17,300*	26.6	245.6	19,000	34.4	263.3	16,700	40.7	274.0	14,400	46.0	280.0	12,200	225
230							6.5	185.7	16,200*	22.9	234.5	18,300	31.6	255.5	16,000	38.3	267.9	13,800	43.9	274.9	11,600	230
235										18.6	221.1	17,600	28.6	246.8	15,400	35.8	261.2	13,200	41.6	269.4	11,100	235
240										12.9	202.9	16,900	25.2	236.7	14,800	33.1	253.8	12,700	39.3	263.5	10,600	240
245													21.3	224.9	14,200	30.2	245.5	12,100	36.8	257.0	10,100	245
250													16.6	210.0	13,600	27.0	236.2	11,600	34.2	249.9	9,600	250
255													9.8	188.0	13,000	23.4	225.4	11,100	31.4	242.0	9,200	255
260																19.2	212.3	10,600	28.3	233.2	8,800	260
265																13.7	194.9	10,100	24.9	223.0	8,300	265
270																2.4	157.9	9,600	21.0	211.0	7,900	270
275																			16.1	195.8	7,500	275
280																			9.0	172.6	7,100	280

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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			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	
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	50,100*																110
115	61.7	344.2	42,700*	66.1	349.3	49,400*																115
120	60.1	341.4	40,800*	64.6	347.0	48,500*	67.1	349.1	50,900*													120
125	58.4	338.3	38,900*	63.0	344.5	46,500*	65.6	346.9	49,300*													125
130	56.7	335.1	36,900*	61.3	341.8	44,500*	64.0	344.5	47,500*													130
135	55.0	331.7	35,000*	59.7	338.9	42,500*	62.4	341.9	45,100*													135
140	53.2	328.0	33,200*	58.0	335.9	40,500*	60.7	339.2	42,900*													140
145	51.4	324.1	31,400*	56.3	332.6	38,200*	59.1	336.2	40,800*													145
150	49.5	319.9	29,700*	54.5	329.1	35,800*	57.4	333.1	38,900*	61.8	337.5	35,100*										150
155	47.6	315.4	28,100*	52.7	325.4	33,600*	55.7	329.8	37,200*	60.2	334.7	33,500*										155
160	45.6	310.6	26,500*	50.9	321.4	31,700*	53.9	326.2	35,000*	58.5	331.7	32,000*										160
165	43.5	305.5	25,100*	49.0	317.1	29,800*	52.1	322.4	32,900*	56.8	328.5	30,500*										165
170	41.4	300.0	23,700*	47.1	312.6	28,100*	50.2	318.3	31,000*	55.1	325.0	29,200*										170
175	39.2	294.0	22,400*	45.1	307.7	26,500*	48.3	313.9	29,200*	53.3	321.4	27,900*	57.9	325.7	24,800*							175
180	36.8	287.5	21,100*	43.0	302.5	25,100*	46.4	309.2	27,500*	51.5	317.5	26,800*	56.2	322.4	23,700*							180
185	34.3	280.4	20,000*	40.9	296.8	23,700*	44.4	304.2	26,000*	49.6	313.3	25,700*	54.4	318.9	22,700*							185
190	31.7	272.6	18,900*	38.6	290.7	22,400*	42.2	298.9	24,600*	47.7	308.9	24,600*	52.6	315.1	21,700*							190
195	28.8	263.9	17,900*	36.2	284.1	21,200*	40.1	293.1	23,200*	45.7	304.1	23,600*	50.8	311.1	20,800*							195
200	25.6	254.0	16,900*	33.7	276.9	20,100*	37.8	286.8	22,000*	43.7	299.0	22,700*	48.9	306.8	19,900*							200
205	22.0	242.5	16,000*	31.0	268.9	19,000*	35.3	280.0	20,800*	41.6	293.5	21,800*	47.0	302.3	19,100*	51.7	307.3	16,500*				205
210	17.8	228.4	15,200*	28.1	259.9	18,000*	32.7	272.5	19,700*	39.3	287.5	20,900*	44.9	297.4	18,300*	49.9	303.2	15,800*				210
215	12.0	209.1	14,200*	24.8	249.7	17,100*	30.0	264.1	18,700*	37.0	281.1	20,100*	42.9	292.1	17,600*	48.0	298.8	15,100*				215
220				21.1	237.7	16,200*	26.9	254.8	17,700*	34.5	274.0	19,300*	40.7	286.4	16,800*	46.0	294.1	14,400*				220
225				16.5	222.7	15,300*	23.5	244.0	16,800*	31.9	266.3	18,600*	38.4	280.3	16,200*	44.0	289.0	13,800*				225
230				10.2	201.0	14,500*	19.5	231.0	15,900*	29.0	257.7	17,900*	36.0	273.6	15,500*	41.8	283.5	13,200*	46.8	289.1	11,000*	230
235							14.5	214.3	15,000*	25.9	247.9	17,200*	33.5	266.3	14,900*	39.6	277.7	12,700*	44.8	284.1	10,500*	235
240							6.4	186.2	14,100*	22.3	236.5	16,500*	30.8	258.3	14,300*	37.3	271.3	12,100*	42.7	278.8	10,000*	240
245										18.1	222.7	15,600*	27.8	249.2	13,700*	34.8	264.3	11,600*	40.5	273.1	9,500*	245
250										12.5	203.9	14,800*	24.5	238.9	13,200*	32.2	256.7	11,100*	38.2	267.0	9,100*	250
255													20.8	226.7	12,600*	29.4	248.2	10,600*	35.9	260.2	8,600*	255
260													16.2	211.4	12,100*	26.3	238.5	10,100*	33.3	252.9	8,200*	260
265													9.5	188.8	11,600*	22.8	227.4	9,700*	30.6	244.8	7,800*	265
270																18.7	213.9	9,200*	27.6	235.6	7,400*	270
275																13.4	196.1	8,800*	24.3	225.2	7,000*	275
280																2.4	158.0	8,300*	20.4	212.8	6,600*	280
285																			15.7	197.1	6,300*	285
290																			8.8	173.3	5,900*	290

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	65.2	241.7	114,900*b																			50
55	60.6	239.0	108,400*b																			55
60	55.7	235.7	102,600*b																			60
65	50.5	231.8	97,300*b	64.9	239.7	111,300*b																65
70	44.9	227.1	92,500*	60.2	237.0	105,400*b																70
75	38.6	221.3	88,200*	55.3	233.7	100,000*b	63.7	237.4	104,300b													75
80	31.2	213.8	83,900*	50.1	229.8	95,100*	59.0	234.5	96,200b													80
85	21.7	203.3	76,500*	44.5	225.0	90,600*	54.0	231.1	89,200b													85
90				38.1	219.1	86,400*	48.7	226.9	83,100	63.0	233.2	76,900b										90
95				30.7	211.5	81,100	42.9	221.9	77,700	58.3	230.3	71,900b										95
100				20.9	200.6	76,000	36.3	215.6	72,800	53.3	226.7	67,400b										100
105							28.4	207.4	68,500	47.9	222.5	63,400										105
110							17.4	194.9	64,500	42.0	217.3	59,800	57.2	224.5	55,000b							110
115										35.2	210.7	56,500	52.1	220.8	52,000b							115
120										27.1	202.1	53,500	46.6	216.4	49,300							120
125										15.1	188.4	50,700	40.5	210.9	46,800							125
130													33.6	204.0	44,400	50.4	213.3	40,600				130
135													24.9	194.7	42,300	44.7	208.5	38,700				135
140													10.6	178.0	40,200	38.4	202.6	36,900				140
145																31.0	195.1	35,200				145
150																21.4	184.5	33,500	47.9	203.9	31,900	150
155																			42.0	198.7	30,500	155
160																			35.3	192.2	29,100	160
165																			27.2	183.6	27,800	165
																			15.3	170.0	26,600	165

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	68.5	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	108,100*b																65
70	51.8	240.7	90,000*	64.3	248.4	102,600*b																70
75	47.0	236.3	85,800*	60.2	245.7	97,400*b	67.2	248.5	103,700b													75
80	41.8	231.0	81,900*	55.9	242.4	92,700*	63.2	246.1	95,700b													80
85	35.9	224.6	76,800*	51.4	238.6	88,300*	59.1	243.2	88,700b													85
90	29.1	216.4	70,500*	46.6	234.2	84,300*	54.8	239.8	82,600													90
95	20.2	205.1	64,400*	41.4	228.8	80,700	50.2	235.9	77,200	62.6	241.9	71,200b										95
100				35.5	222.3	75,700	45.3	231.2	72,400	58.5	238.9	66,800b										100
105				28.6	214.0	70,100*	39.9	225.6	68,100	54.1	235.5	62,800										105
110				19.4	202.3	64,700*	33.8	218.7	64,200	49.5	231.4	59,200										110
115							26.5	209.7	60,600	44.5	226.6	56,000	57.5	233.2	51,300							115
120							16.2	196.3	57,400	39.1	220.8	53,000	53.1	229.6	48,600							120
125										32.8	213.7	50,300	48.4	225.4	46,100							125
130										25.2	204.3	47,800	43.4	220.4	43,900							130
135										14.1	189.6	45,400	37.8	214.4	41,700	51.6	222.1	38,000				135
140													31.3	206.8	39,800	46.8	217.7	36,200				140
145													23.2	196.7	37,900	41.6	212.4	34,500				145
150													9.8	178.8	36,100	35.8	205.9	33,000				150
155																28.9	197.7	31,500	44.6	208.1	28,400	155
160																19.9	186.2	30,100	39.1	202.3	27,200	160
165																			32.9	195.2	26,000	165
170																			25.3	185.9	24,900	170
175																			14.2	171.2	23,800	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	71.0	263.3	108,300*b																			50
55	67.6	261.4	102,500*b																			55
60	64.1	259.0	97,200*b																			60
65	60.4	256.3	92,300*	70.8	261.4	105,100*b																65
70	56.7	253.1	87,900*	67.3	259.4	99,900*b																70
75	52.7	249.5	83,800*	63.8	257.1	95,100*b																75
80	48.6	245.3	80,000*	60.2	254.3	90,600*	66.4	257.2	95,200b													80
85	44.1	240.4	76,500*	56.4	251.1	86,400*	62.9	254.7	88,200b													85
90	39.2	234.6	70,400*	52.5	247.4	82,500*	59.2	251.9	82,100													90
95	33.8	227.6	64,200*	48.3	243.2	78,900*	55.4	248.5	76,800													95
100	27.4	218.9	58,700*	43.8	238.2	75,400	51.4	244.7	72,000	62.3	250.5	66,300										100
105	19.0	206.7	53,900*	38.9	232.4	70,300*	47.1	240.3	67,700	58.7	247.6	62,400										105
110				33.4	225.3	64,800*	42.5	235.1	63,900	54.8	244.2	58,800										110
115				26.9	216.4	60,000*	37.5	229.0	60,400	50.8	240.3	55,600										115
120				18.3	203.9	55,800*	31.8	221.5	57,200	46.5	235.8	52,600	57.8	241.9	48,100							120
125							24.9	211.9	54,300	41.8	230.5	50,000	53.9	238.4	45,700							125
130							15.2	197.6	51,500	36.7	224.2	47,500	49.8	234.3	43,400							130
135										30.9	216.5	45,200	45.5	229.6	41,300							135
140										23.7	206.4	43,100	40.7	224.1	39,400	52.6	230.9	35,700				140
145										13.2	190.7	41,100	35.5	217.6	37,600	48.5	226.7	34,100				145
150													29.4	209.4	35,900	44.0	221.7	32,500				150
155													21.8	198.6	34,300	39.1	215.9	31,100				155
160													9.2	179.5	32,700	33.6	208.9	29,800	46.5	217.2	26,700	160
165																27.2	200.1	28,500	41.9	211.9	25,600	165
170																18.7	187.8	27,300	36.8	205.7	24,500	170
175																			30.9	198.0	23,500	175
180																			23.8	188.0	22,500	180
185																			13.4	172.3	21,500	185

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	73.0	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	97,000*b																70
75	57.0	261.8	81,600*	66.6	268.2	92,500*b																75
80	53.5	258.3	77,900*	63.4	265.7	88,200*																80
85	49.8	254.2	74,600*	60.2	263.0	84,200*	65.8	265.9	87,600													85
90	45.9	249.6	69,900*	56.8	259.8	80,500*	62.6	263.4	81,500													90
95	41.7	244.2	64,000*	53.2	256.2	77,000*	59.3	260.5	76,200													95
100	37.1	238.0	58,600*	49.5	252.1	73,800*	55.9	257.3	71,400													100
105	32.0	230.5	53,700*	45.6	247.4	70,100*	52.3	253.5	67,200	62.1	259.2	61,700										105
110	25.9	221.2	49,400*	41.4	242.0	64,600*	48.5	249.3	63,300	58.8	256.3	58,200										110
115	18.0	208.3	45,700*	36.8	235.7	59,800*	44.5	244.4	59,900	55.4	252.9	55,000										115
120				31.6	228.1	55,600*	40.2	238.8	56,700	51.8	249.1	52,000										120
125				25.4	218.6	51,900*	35.5	232.2	53,800	48.0	244.8	49,400	58.0	250.5	45,000							125
130				17.3	205.3	48,500*	30.1	224.2	51,200	43.9	239.9	46,900	54.6	247.1	42,700							130
135							23.6	214.0	48,700	39.6	234.1	44,700	50.9	243.2	40,700							135
140							14.4	198.8	46,400	34.7	227.3	42,600	47.1	238.7	38,800							140
145										29.2	219.1	40,600	43.0	233.6	37,000							145
150										22.4	208.4	38,800	38.5	227.7	35,300	49.7	235.6	31,900				150
155										12.5	191.8	37,100	33.6	220.6	33,800	45.8	231.0	30,400				155
160													27.8	211.9	32,300	41.6	225.6	29,100				160
165													20.6	200.4	30,900	37.0	219.3	27,900	48.0	226.3	24,900	165
170													8.7	180.3	29,500	31.8	211.8	26,700	44.0	221.3	23,800	170
175																25.7	202.4	25,600	39.6	215.6	22,800	175
180																17.7	189.4	24,500	34.8	208.8	21,900	180
185																			29.3	200.6	20,900	185
190																			22.5	189.9	20,100	190
195																			12.6	173.4	19,200	195

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.6	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	90,100*																75
80	57.3	270.5	76,200*	66.0	276.9	86,100*																80
85	54.1	267.0	73,000*	63.1	274.4	82,400*																85
90	50.8	263.1	69,300*	60.1	271.6	78,800*	65.3	274.6	81,000													90
95	47.3	258.6	63,600*	57.1	268.5	75,500*	62.4	272.1	75,700													95
100	43.6	253.6	58,500*	53.9	265.0	72,400*	59.4	269.2	70,900													100
105	39.6	247.8	53,800*	50.6	261.0	69,500*	56.3	266.0	66,700													105
110	35.3	241.2	49,600*	47.1	256.5	66,000*	53.0	262.3	62,900	61.9	267.9	57,600										110
115	30.4	233.2	45,700*	43.4	251.5	61,100*	49.7	258.2	59,400	58.9	264.9	54,400										115
120	24.6	223.3	42,300*	39.4	245.6	56,800*	46.1	253.6	56,300	55.8	261.7	51,500										120
125	17.1	209.7	39,400*	35.0	238.9	53,000*	42.3	248.3	53,400	52.5	258.0	48,900										125
130				30.0	230.8	49,600*	38.3	242.3	50,800	49.2	253.8	46,400										130
135				24.2	220.8	46,500*	33.8	235.2	48,300	45.6	249.1	44,200	55.1	255.8	40,100							135
140				16.4	206.8	43,700*	28.6	226.8	46,100	41.8	243.7	42,100	51.8	252.0	38,200							140
145							22.4	216.0	44,000	37.6	237.5	40,200	48.4	247.7	36,500							145
150							13.7	200.0	42,000	33.0	230.3	38,400	44.7	242.9	34,800							150
155										27.8	221.6	36,700	40.9	237.4	33,300	50.7	244.5	29,900				155
160										21.4	210.3	35,100	36.6	231.0	31,900	47.2	240.0	28,600				160
165										11.9	192.8	33,600	31.9	223.5	30,500	43.5	235.0	27,400				165
170													26.5	214.3	29,200	39.5	229.2	26,200				170
175													19.6	202.1	28,000	35.2	222.5	25,100	45.6	230.5	22,300	175
180													8.3	180.9	26,800	30.3	214.5	24,100	41.8	225.2	21,300	180
185																24.5	204.6	23,100	37.7	219.0	20,500	185
190																16.8	190.8	22,100	33.1	211.8	19,600	190
195																			27.8	203.1	18,800	195
200																			21.4	191.8	18,000	200
205																			12.0	174.4	17,200	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.9	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	87,300*																75
80	60.3	282.3	74,200*	68.1	287.8	83,600*																80
85	57.5	279.2	71,100*	65.5	285.6	80,100*																85
90	54.6	275.8	68,200*	62.9	283.1	76,800*	67.5	285.6	80,400													90
95	51.6	271.9	63,000*	60.1	280.3	73,600*	64.8	283.3	75,100													95
100	48.5	267.6	58,100*	57.3	277.2	70,600*	62.2	280.7	70,400													100
105	45.2	262.8	53,600*	54.4	273.7	67,800*	59.4	277.8	66,200													105
110	41.7	257.4	49,500*	51.4	269.9	65,200*	56.6	274.6	62,300													110
115	37.9	251.3	45,800*	48.2	265.5	60,700*	53.6	271.1	58,900	61.8	276.5	53,800										115
120	33.7	244.2	42,400*	44.9	260.7	56,400*	50.6	267.1	55,800	59.0	273.6	50,900										120
125	29.1	235.8	39,300*	41.4	255.3	52,600*	47.4	262.7	52,900	56.1	270.4	48,300										125
130	23.5	225.4	36,600*	37.6	249.1	49,200*	44.0	257.7	50,300	53.2	266.7	45,900										130
135	16.3	211.2	34,100*	33.4	241.9	46,100*	40.4	252.1	47,900	50.1	262.7	43,700										135
140				28.7	233.4	43,300*	36.5	245.6	45,600	46.9	258.2	41,600	55.5	264.5	37,600							140
145				23.1	222.8	40,800*	32.2	238.1	43,600	43.5	253.1	39,700	52.5	260.8	35,900							145
150				15.7	208.1	38,400*	27.4	229.2	41,600	39.9	247.4	37,900	49.4	256.7	34,200							150
155							21.4	217.8	39,800	35.9	240.8	36,300	46.2	252.1	32,700							155
160							13.1	201.1	37,900*	31.6	233.1	34,700	42.7	246.8	31,300	51.5	253.3	28,000				160
165										26.6	223.9	33,200	39.0	240.9	30,000	48.4	249.0	26,700				165
170										20.4	212.0	31,800	35.0	234.2	28,700	45.1	244.2	25,600				170
175										11.3	193.7	30,500	30.5	226.2	27,500	41.6	238.8	24,500				175
180													25.3	216.5	26,400	37.8	232.6	23,500	46.9	239.6	20,700	180
185													18.8	203.8	25,300	33.6	225.5	22,500	43.5	234.6	19,800	185
190													7.9	181.6	24,200	28.9	217.1	21,600	39.9	228.8	19,000	190
195																23.4	206.6	20,700	36.0	222.3	18,200	195
200																16.1	192.2	19,900	31.6	214.6	17,500	200
205																			26.6	205.4	16,700	205
210																			20.5	193.6	16,000	210
215																			11.5	175.4	15,300	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.7	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	81,300*																80
85	60.3	290.9	69,500*	67.5	296.5	78,000*																85
90	57.7	287.9	66,700*	65.1	294.3	74,900*																90
95	55.1	284.5	62,100*	62.6	291.8	71,900*	66.9	294.3	74,800													95
100	52.3	280.7	57,600*	60.1	289.0	69,100*	64.5	292.0	70,100													100
105	49.4	276.6	53,300*	57.5	285.9	66,400*	62.0	289.4	65,900													105
110	46.4	272.0	49,400*	54.9	282.5	63,900*	59.5	286.5	62,100													110
115	43.3	266.8	45,800*	52.1	278.7	60,600*	56.8	283.3	58,700													115
120	39.9	261.1	42,500*	49.2	274.5	56,300*	54.2	279.8	55,500	61.6	285.2	50,700										120
125	36.3	254.6	39,500*	46.2	269.9	52,500*	51.4	275.9	52,700	59.1	282.3	48,000										125
130	32.3	247.1	36,700*	43.1	264.7	49,000*	48.5	271.7	50,100	56.5	279.0	45,600										130
135	27.9	238.3	34,200*	39.7	258.9	46,000*	45.4	266.9	47,700	53.7	275.5	43,400										135
140	22.6	227.4	32,000*	36.0	252.3	43,200*	42.2	261.6	45,500	50.9	271.5	41,400										140
145	15.7	212.5	29,900*	32.0	244.8	40,600*	38.8	255.6	43,400	48.0	267.2	39,500	55.9	273.3	35,600							145
150				27.5	235.8	38,300*	35.0	248.8	41,500	44.9	262.3	37,700	53.1	269.6	34,000							150
155				22.2	224.7	36,200*	30.9	240.9	39,700	41.7	256.9	36,100	50.3	265.6	32,500							155
160				15.1	209.4	34,200*	26.2	231.5	37,800*	38.2	250.8	34,500	47.3	261.1	31,100							160
165							20.6	219.6	35,700*	34.5	243.9	33,100	44.2	256.2	29,800	52.2	262.1	26,500				165
170							12.5	202.2	33,700*	30.3	235.8	31,700	40.9	250.6	28,500	49.4	258.0	25,400				170
175										25.5	226.2	30,400	37.4	244.3	27,300	46.4	253.4	24,300				175
180										19.6	213.8	29,200	33.6	237.2	26,200	43.2	248.2	23,300				180
185										10.9	194.6	28,000	29.3	228.8	25,200	39.8	242.5	22,300				185
190													24.3	218.6	24,200	36.2	235.9	21,400	45.0	243.8	18,800	190
195													18.0	205.3	23,200	32.2	228.4	20,600	41.7	238.4	18,000	195
200													7.6	182.2	22,200	27.7	219.5	19,800	38.3	232.3	17,300	200
205																22.4	208.6	19,000	34.5	225.4	16,600	205
210																15.4	193.5	18,200	30.3	217.3	15,900	210
215																			25.5	207.7	15,200	215
220																			19.6	195.3	14,600	220
225																			11.0	176.3	14,000	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.8	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	74,700*																85
90	60.3	299.6	64,200*	67.0	305.3	71,800*																90
95	57.9	296.5	61,100*	64.8	303.0	69,100*																95
100	55.4	293.2	57,000*	62.5	300.4	66,500*	66.4	303.0	69,600													100
105	52.9	289.5	53,100*	60.1	297.6	64,000*	64.2	300.6	65,400													105
110	50.2	285.5	49,400*	57.7	294.5	61,600*	61.9	298.0	61,600													110
115	47.5	281.0	45,900*	55.2	291.2	59,400*	59.5	295.2	58,100													115
120	44.6	276.1	42,700*	52.7	287.5	56,300*	57.1	292.0	55,000													120
125	41.6	270.7	39,800*	50.1	283.4	52,400*	54.6	288.6	52,200	61.5	293.8	47,400										125
130	38.4	264.6	37,000*	47.3	278.9	48,900*	52.0	284.8	49,600	59.1	290.9	45,100										130
135	34.9	257.7	34,500*	44.4	274.0	45,800*	49.4	280.6	47,200	56.7	287.7	42,800										135
140	31.1	249.9	32,200*	41.4	268.5	43,000*	46.6	276.0	45,000	54.2	284.2	40,800										140
145	26.8	240.7	30,100*	38.2	262.4	40,400*	43.7	270.9	42,900	51.6	280.4	38,900										145
150	21.7	229.3	28,200*	34.7	255.5	38,100*	40.6	265.3	41,000	48.9	276.1	37,200	56.2	281.9	33,400							150
155	15.1	213.8	26,500*	30.8	247.5	35,900*	37.3	259.0	39,200	46.2	271.5	35,500	53.6	278.4	31,900							155
160				26.5	238.2	34,000*	33.7	251.8	37,500*	43.2	266.3	34,000	51.0	274.4	30,500							160
165				21.3	226.6	32,100*	29.8	243.6	35,400*	40.1	260.6	32,600	48.3	270.1	29,200							165
170				14.5	210.6	30,400*	25.2	233.8	33,500*	36.8	254.2	31,200	45.5	265.3	27,900	52.8	270.9	24,700				170
175							19.8	221.4	31,700*	33.2	246.9	29,900	42.5	260.1	26,800	50.2	266.9	23,700				175
180							12.1	203.2	30,000*	29.1	238.4	28,700	39.4	254.2	25,700	47.4	262.4	22,700				180
185										24.5	228.3	27,600	36.0	247.6	24,700	44.6	257.5	21,700				185
190										18.8	215.4	26,500	32.3	240.1	23,700	41.5	252.0	20,900				190
195										10.4	195.5	25,400	28.2	231.3	22,700	38.3	245.9	20,000	46.2	252.9	17,400	195
200													23.4	220.7	21,800	34.8	239.1	19,200	43.2	247.8	16,600	200
205													17.3	206.8	21,000	31.0	231.2	18,400	40.1	242.1	16,000	205
210													7.3	182.8	20,100	26.7	221.9	17,700	36.8	235.7	15,300	210
215																21.6	210.5	17,000	33.2	228.4	14,700	215
220																14.8	194.8	16,300	29.2	219.9	14,000	220
225																			24.6	209.8	13,500	225
230																			18.9	197.0	12,900	230
235																			10.6	177.2	12,300	235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	72,600*																85
90	62.5	311.0	62,700*	68.6	316.1	69,900*																90
95	60.3	308.3	59,400*	66.6	314.0	67,300*																95
100	58.0	305.2	55,700*	64.4	311.6	64,900*																100
105	55.7	301.9	52,200*	62.3	309.1	62,600*	66.0	311.7	64,800													105
110	53.4	298.3	48,800*	60.1	306.3	60,300*	63.9	309.3	61,100													110
115	50.9	294.3	45,600*	57.9	303.2	58,200*	61.7	306.7	57,600													115
120	48.4	290.0	42,500*	55.6	299.9	56,100*	59.5	303.8	54,500													120
125	45.8	285.3	39,700*	53.2	296.2	52,800*	57.3	300.7	51,700													125
130	43.0	280.1	37,100*	50.8	292.2	49,300*	55.0	297.3	49,100	61.4	302.5	44,500										130
135	40.1	274.3	34,600*	48.2	287.9	46,100*	52.6	293.5	46,700	59.2	299.6	42,300										135
140	37.0	268.0	32,400*	45.6	283.1	43,300*	50.1	289.5	44,500	56.9	296.4	40,300										140
145	33.7	260.8	30,300*	42.8	277.9	40,700*	47.6	285.0	42,500	54.6	293.0	38,400										145
150	30.0	252.6	28,400*	39.9	272.1	38,300*	44.9	280.2	40,600	52.2	289.2	36,700										150
155	25.9	243.0	26,700*	36.8	265.7	36,200*	42.1	274.8	38,800	49.7	285.1	35,000	56.4	290.6	31,400							155
160	21.0	231.1	25,100*	33.4	258.5	34,200*	39.1	268.9	37,100	47.2	280.5	33,500	54.1	287.1	30,000							160
165	14.5	215.1	23,600*	29.7	250.2	32,300*	36.0	262.2	35,600	44.5	275.6	32,100	51.7	283.3	28,700							165
170				25.6	240.4	30,600*	32.5	254.8	33,700*	41.7	270.2	30,800	49.2	279.0	27,400							170
175				20.6	228.4	29,000*	28.7	246.1	31,900*	38.7	264.1	29,500	46.6	274.4	26,300							175
180				14.0	211.8	27,500*	24.4	235.9	30,200*	35.5	257.4	28,300	43.9	269.4	25,200	50.9	275.7	22,200				180
185							19.1	223.0	28,600*	32.0	249.8	27,200	41.0	263.8	24,200	48.3	271.4	21,200				185
190							11.6	204.2	27,200*	28.1	240.9	26,100	38.0	257.7	23,200	45.7	266.7	20,400				190
195										23.7	230.4	25,100	34.7	250.7	22,300	43.0	261.5	19,500				195
200										18.2	217.0	24,100	31.1	242.9	21,400	40.0	255.7	18,700	47.2	262.0	16,100	200
205										10.1	196.4	23,200	27.2	233.7	20,600	36.9	249.3	18,000	44.5	257.1	15,400	205
210													22.5	222.7	19,800	33.6	242.1	17,200	41.7	251.6	14,800	210
215													16.7	208.3	19,000	29.9	233.9	16,500	38.7	245.6	14,200	215
220													7.0	183.4	18,200	25.8	224.2	15,900	35.5	238.9	13,600	220
225																20.8	212.3	15,200	32.0	231.3	13,000	225
230																14.3	196.0	14,600	28.2	222.5	12,400	230
235																			23.7	211.9	11,900	235
240																			18.2	198.5	11,400	240
245																			10.2	178.1	10,800	245

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	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	67,600*																90
95	62.3	319.7	57,200*	68.1	324.9	65,200*																95
100	60.2	316.9	54,100*	66.2	322.7	63,000*																100
105	58.2	313.9	50,900*	64.2	320.3	60,800*	67.6	322.6	64,000*													105
110	56.0	310.6	47,900*	62.2	317.8	58,700*	65.6	320.4	60,500													110
115	53.8	307.0	44,900*	60.1	314.9	56,600*	63.6	318.0	57,100													115
120	51.5	303.1	42,100*	58.0	311.9	54,700*	61.6	315.4	54,000													120
125	49.2	298.9	39,400*	55.9	308.6	52,300*	59.6	312.5	51,200													125
130	46.8	294.4	36,900*	53.7	305.0	48,800*	57.4	309.4	48,600													130
135	44.2	289.4	34,600*	51.4	301.1	45,600*	55.3	306.0	46,200	61.3	311.2	41,700										135
140	41.6	283.9	32,400*	49.0	296.8	42,800*	53.1	302.3	44,000	59.2	308.3	39,700										140
145	38.8	277.9	30,300*	46.6	292.2	40,200*	50.8	298.3	42,000	57.1	305.1	37,900										145
150	35.8	271.2	28,500*	44.1	287.2	37,800*	48.4	294.0	40,100	55.0	301.7	36,100										150
155	32.6	263.7	26,700*	41.4	281.7	35,600*	45.9	289.3	38,300	52.7	298.0	34,500										155
160	29.0	255.2	25,100*	38.6	275.7	33,600*	43.4	284.2	36,700	50.4	293.9	33,000	56.6	299.3	29,400							160
165	25.0	245.2	23,600*	35.6	268.9	31,800*	40.7	278.5	35,100*	48.1	289.5	31,600	54.5	295.8	28,100							165
170	20.3	232.9	22,300*	32.3	261.4	30,100*	37.8	272.3	33,100*	45.6	284.8	30,200	52.2	292.1	26,800							170
175	14.1	216.3	21,100*	28.8	252.8	28,500*	34.8	265.4	31,300*	43.0	279.6	29,000	49.9	287.9	25,700							175
180				24.7	242.6	27,000*	31.4	257.6	29,700*	40.3	273.8	27,800	47.5	283.5	24,600							180
185				19.9	230.2	25,700*	27.8	248.6	28,100*	37.4	267.5	26,700	45.0	278.6	23,600	51.5	284.6	20,600				185
190				13.5	213.0	24,400*	23.6	238.0	26,700*	34.3	260.5	25,600	42.4	273.3	22,600	49.1	280.3	19,700				190
195							18.5	224.6	25,300*	30.9	252.5	24,600	39.6	267.5	21,700	46.7	275.7	18,900				195
200							11.2	205.2	24,000*	27.2	243.4	23,700	36.7	261.0	20,900	44.2	270.7	18,100				200
205										22.9	232.4	22,800	33.6	253.8	20,000	41.5	265.3	17,400				205
210										17.6	218.5	21,900	30.1	245.6	19,300	38.7	259.2	16,700	45.6	266.2	14,200	210
215										9.7	197.2	21,000	26.3	236.1	18,500	35.7	252.5	16,000	43.0	261.0	13,500	215
220													21.8	224.6	17,800	32.5	245.0	15,300	40.3	255.3	13,000	220
225													16.2	209.7	17,100	28.9	236.4	14,700	37.4	249.0	12,400	225
230													6.8	183.9	16,300	24.9	226.4	14,100	34.3	242.0	11,900	230
235																20.1	214.1	13,500	31.0	234.0	11,300	235
240																13.8	197.2	12,900	27.2	224.9	10,800	240
245																			22.9	214.0	10,300	245
250																			17.6	200.1	9,900	250
255																			9.8	178.9	9,400	255

MANITOWOC ENGINEERING CO.

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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	62,000*																95
100	62.2	328.4	52,200*	67.6	333.6	60,100*																100
105	60.2	325.6	49,500*	65.8	331.4	59,100*																105
110	58.3	322.6	46,700*	63.9	329.0	57,100*	67.2	331.4	60,100*													110
115	56.2	319.3	44,100*	62.0	326.4	55,200*	65.3	329.1	56,800													115
120	54.2	315.8	41,500*	60.1	323.6	53,400*	63.4	326.7	53,700													120
125	52.1	311.9	39,000*	58.1	320.6	51,600*	61.5	324.0	50,900													125
130	49.9	307.8	36,700*	56.1	317.3	48,500*	59.6	321.2	48,300													130
135	47.6	303.4	34,400*	54.0	313.7	45,300*	57.6	318.1	45,900													135
140	45.3	298.6	32,300*	51.9	309.9	42,500*	55.6	314.7	43,700	61.2	319.8	39,400										140
145	42.8	293.3	30,400*	49.7	305.8	39,900*	53.5	311.1	41,700	59.3	316.9	37,600										145
150	40.3	287.6	28,500*	47.5	301.3	37,500*	51.4	307.2	39,800	57.3	313.8	35,800										150
155	37.6	281.3	26,800*	45.1	296.4	35,300*	49.1	302.9	38,100	55.3	310.4	34,200										155
160	34.7	274.3	25,200*	42.7	291.2	33,300*	46.9	298.4	36,400	53.2	306.7	32,700										160
165	31.6	266.5	23,800*	40.1	285.4	31,500*	44.5	293.4	34,800*	51.0	302.8	31,300	56.9	308.0	27,800							165
170	28.1	257.7	22,400*	37.4	279.1	29,800*	42.0	288.0	32,800*	48.8	298.5	30,000	54.8	304.6	26,600							170
175	24.3	247.3	21,100*	34.5	272.0	28,200*	39.4	282.1	31,000*	46.5	293.9	28,700	52.7	300.8	25,400							175
180	19.7	234.6	20,000*	31.3	264.2	26,700*	36.6	275.6	29,400*	44.1	288.9	27,600	50.5	296.8	24,400							180
185	13.6	217.4	18,900*	27.9	255.2	25,400*	33.7	268.4	27,800*	41.6	283.4	26,400	48.3	292.5	23,300							185
190				24.0	244.7	24,100*	30.5	260.3	26,400*	39.0	277.4	25,400	46.0	287.8	22,400	52.0	293.4	19,500				190
195				19.3	231.8	22,900*	26.9	251.0	25,000*	36.2	270.8	24,400	43.6	282.6	21,500	49.8	289.2	18,600				195
200				13.1	214.1	21,700*	22.8	240.0	23,800*	33.2	263.5	23,500	41.1	277.1	20,600	47.6	284.8	17,900				200
205							17.9	226.2	22,600*	30.0	255.2	22,600	38.4	271.0	19,800	45.2	279.9	17,100				205
210							10.9	206.1	21,400*	26.3	245.7	21,700	35.6	264.2	19,000	42.8	274.7	16,400				210
215										22.2	234.4	20,900	32.5	256.7	18,300	40.2	268.9	15,700	46.5	275.3	13,300	215
220										17.0	220.0	20,100	29.2	248.2	17,600	37.5	262.6	15,100	44.2	270.3	12,700	220
225										9.4	198.0	19,300	25.5	238.3	16,900	34.6	255.7	14,500	41.7	264.9	12,100	225
230													21.1	226.4	16,200	31.5	247.8	13,900	39.0	258.9	11,600	230
235													15.7	211.0	15,600	28.0	238.9	13,300	36.2	252.3	11,100	235
240													6.5	184.5	14,900	24.1	228.5	12,800	33.3	245.0	10,600	240
245																19.5	215.8	12,200	30.0	236.7	10,100	245
250																13.4	198.4	11,700	26.4	227.2	9,700	250
255																			22.2	215.9	9,200	255
260																			17.1	201.6	8,800	260
265																			9.5	179.7	8,300	265

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FOLD UNDER LUFFING JIB NO. 133A ON
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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	57,100*																100
105	62.0	337.0	47,600*	67.2	342.3	55,800*																105
110	60.2	334.2	45,300*	65.5	340.1	54,600*																110
115	58.4	331.2	42,900*	63.7	337.7	53,500*	66.8	340.1	56,300													115
120	56.5	328.0	40,600*	61.9	335.1	51,800*	65.0	337.8	53,200													120
125	54.5	324.5	38,300*	60.1	332.3	50,200*	63.2	335.4	50,400													125
130	52.5	320.7	36,200*	58.2	329.2	48,000*	61.4	332.7	47,800													130
135	50.5	316.7	34,100*	56.3	326.0	44,800*	59.6	329.8	45,400													135
140	48.4	312.4	32,100*	54.4	322.5	41,900*	57.7	326.7	43,200	63.0	331.2	38,900										140
145	46.2	307.7	30,200*	52.4	318.7	39,300*	55.8	323.4	41,200	61.2	328.5	37,000										145
150	43.9	302.6	28,500*	50.3	314.6	37,000*	53.9	319.8	39,300	59.3	325.6	35,300										150
155	41.6	297.1	26,800*	48.2	310.3	34,800*	51.9	316.0	37,600	57.5	322.5	33,700										155
160	39.1	291.1	25,300*	46.0	305.6	32,800*	49.8	311.8	35,900	55.5	319.1	32,200										160
165	36.5	284.6	23,800*	43.8	300.5	31,000*	47.7	307.4	34,300*	53.6	315.5	30,800										165
170	33.7	277.4	22,400*	41.4	294.9	29,300*	45.5	302.6	32,300*	51.6	311.6	29,400	57.0	316.7	26,000							170
175	30.6	269.3	21,200*	38.9	288.9	27,700*	43.2	297.4	30,500*	49.5	307.4	28,200	55.1	313.3	24,800							175
180	27.3	260.1	20,000*	36.3	282.3	26,200*	40.8	291.8	28,800*	47.3	302.9	27,000	53.1	309.6	23,800							180
185	23.6	249.4	18,900*	33.5	275.1	24,800*	38.2	285.6	27,300*	45.1	298.1	25,900	51.1	305.7	22,800							185
190	19.1	236.3	17,900*	30.4	266.9	23,600*	35.6	278.8	25,900*	42.8	292.8	24,900	49.0	301.4	21,800							190
195	13.2	218.6	17,000*	27.1	257.6	22,400*	32.7	271.4	24,500*	40.4	287.1	23,900	46.9	296.8	20,900	52.5	302.2	18,000				195
200				23.3	246.8	21,200*	29.6	262.9	23,200*	37.9	280.8	23,000	44.6	291.9	20,100	50.4	298.1	17,300				200
205				18.7	233.5	20,100*	26.1	253.3	22,100*	35.2	274.0	22,100	42.3	286.5	19,300	48.3	293.8	16,500				205
210				12.7	215.2	19,100*	22.2	241.9	20,900*	32.3	266.4	21,200	39.8	280.7	18,500	46.1	289.1	15,800				210
215							17.4	227.7	19,900*	29.1	257.8	20,400	37.3	274.3	17,800	43.9	284.0	15,200				215
220							10.6	207.0	18,900*	25.6	248.0	19,600	34.5	267.3	17,000	41.5	278.5	14,500	47.4	284.4	12,100	220
225										21.5	236.3	18,900	31.6	259.5	16,400	39.0	272.5	13,900	45.1	279.5	11,500	225
230										16.5	221.4	18,200	28.3	250.7	15,700	36.4	265.9	13,300	42.8	274.3	11,000	230
235										9.1	198.7	17,400	24.7	240.5	15,100	33.6	258.7	12,800	40.4	268.6	10,500	235
240													20.5	228.2	14,500	30.6	250.6	12,200	37.9	262.3	10,000	240
245													15.2	212.3	13,900	27.2	241.4	11,700	35.2	255.5	9,600	245
250													6.3	185.0	13,300	23.4	230.6	11,200	32.3	247.9	9,100	250
255																19.0	217.4	10,700	29.1	239.3	8,700	255
260																13.0	199.5	10,200	25.6	229.5	8,300	260
265																			21.6	217.8	7,900	265
270																			16.6	203.0	7,400	270
275																			9.3	180.5	7,000	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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			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	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	46,600*																115
120	58.4	339.9	39,800*	63.5	346.4	49,500*	66.4	348.8	51,900*													120
125	56.7	336.7	37,800*	61.8	343.7	48,000*	64.8	346.5	49,900													125
130	54.8	333.2	35,800*	60.1	340.9	46,500*	63.1	344.0	47,300													130
135	52.9	329.5	33,900*	58.3	337.9	45,000*	61.4	341.4	45,000													135
140	51.0	325.5	32,100*	56.5	334.7	42,000*	59.6	338.5	42,800													140
145	49.0	321.3	30,300*	54.7	331.2	39,400*	57.9	335.4	40,800	62.8	339.9	36,500										145
150	47.0	316.7	28,600*	52.8	327.5	36,900*	56.1	332.1	38,900	61.1	337.1	34,800										150
155	44.9	311.8	27,000*	50.9	323.5	34,700*	54.2	328.6	37,100	59.4	334.2	33,200										155
160	42.7	306.5	25,500*	48.9	319.2	32,700*	52.3	324.8	35,500	57.6	331.1	31,700										160
165	40.4	300.8	24,100*	46.9	314.6	30,800*	50.4	320.7	34,000	55.8	327.8	30,300										165
170	38.0	294.6	22,700*	44.7	309.7	29,100*	48.4	316.4	32,200*	53.9	324.2	29,000										170
175	35.5	287.8	21,500*	42.5	304.4	27,500*	46.3	311.7	30,400*	52.0	320.4	27,700	57.2	325.4	24,400							175
180	32.7	280.3	20,300*	40.2	298.6	26,000*	44.2	306.7	28,700*	50.1	316.3	26,600	55.4	322.0	23,300							180
185	29.8	271.9	19,200*	37.8	292.4	24,600*	41.9	301.3	27,100*	48.1	311.9	25,500	53.5	318.4	22,300							185
190	26.6	262.5	18,100*	35.3	285.5	23,300*	39.6	295.4	25,600*	46.0	307.2	24,400	51.6	314.5	21,400							190
195	22.9	251.4	17,200*	32.5	278.0	22,100*	37.2	289.0	24,200*	43.8	302.1	23,500	49.6	310.3	20,500							195
200	18.6	237.9	16,300*	29.6	269.6	20,900*	34.6	282.0	23,000*	41.6	296.6	22,500	47.6	305.9	19,600	52.9	310.9	16,800				200
205	12.9	219.7	15,500*	26.3	260.0	19,800*	31.8	274.2	21,800*	39.3	290.7	21,600	45.5	301.1	18,800	51.0	307.0	16,000				205
210				22.6	248.8	18,800*	28.8	265.5	20,600*	36.8	284.2	20,800	43.4	295.9	18,000	49.0	302.7	15,300				210
215				18.2	235.1	17,800*	25.4	255.6	19,600*	34.2	277.1	20,000	41.1	290.3	17,300	46.9	298.1	14,700				215
220				12.4	216.3	16,900*	21.6	243.8	18,600*	31.4	269.2	19,200	38.7	284.2	16,600	44.8	293.2	14,100				220
225							16.9	229.2	17,600*	28.3	260.3	18,500	36.2	277.6	15,900	42.6	287.9	13,500				225
230							10.3	207.9	16,700*	24.9	250.2	17,800	33.6	270.3	15,300	40.3	282.2	12,900	46.0	288.6	10,500	230
235										20.9	238.1	17,100	30.7	262.3	14,700	37.9	276.0	12,300	43.9	283.6	10,000	235
240										16.1	222.8	16,400	27.6	253.1	14,100	35.4	269.1	11,800	41.6	278.1	9,600	240
245										8.9	199.5	15,800	24.0	242.6	13,500	32.7	261.6	11,300	39.3	272.1	9,100	245
250													19.9	230.0	13,000	29.7	253.2	10,800	36.8	265.7	8,700	250
255													14.8	213.6	12,400	26.5	243.7	10,300	34.2	258.6	8,200	255
260													6.2	185.5	11,900	22.8	232.6	9,800	31.4	250.7	7,800	260
265																18.4	219.0	9,400	28.3	241.8	7,400	265
270																12.7	200.6	8,900	24.9	231.7	7,000	270
275																			21.0	219.6	6,700	275
280																			16.1	204.4	6,300	280
285																			9.0	181.2	5,900	285

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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				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		
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	47,700*																						110
115	61.8	354.4	40,200*		66.5	359.8	47,300*																						115
120	60.2	351.6	38,400*		64.9	357.5	46,800*		67.7	359.7	49,900*																		120
125	58.5	348.6	36,600*		63.3	355.0	46,400*		66.1	357.5	48,600*																		125
130	56.8	345.3	34,900*		61.7	352.4	44,700*		64.5	355.2	46,800*																		130
135	55.1	341.9	33,100*		60.1	349.6	42,800*		62.9	352.7	44,500*																		135
140	53.3	338.3	31,500*		58.4	346.6	40,900*		61.3	350.0	42,300*																		140
145	51.5	334.4	29,800*		56.7	343.3	38,800*		59.6	347.1	40,300*																		145
150	49.6	330.2	28,300*		55.0	339.9	36,400*		58.0	344.1	38,400*		62.7	348.5	34,200*														150
155	47.7	325.7	26,800*		53.2	336.2	34,200*		56.3	340.8	36,600*		61.1	345.8	32,600*														155
160	45.7	321.0	25,300*		51.4	332.3	32,100*		54.5	337.3	35,000*		59.4	342.9	31,100*														160
165	43.7	315.9	23,900*		49.5	328.1	30,200*		52.7	333.6	33,500*		57.7	339.8	29,700*														165
170	41.6	310.4	22,700*		47.6	323.6	28,500*		50.9	329.6	31,600*		56.0	336.5	28,400*														170
175	39.3	304.4	21,400*		45.6	318.9	26,900*		49.0	325.3	29,800*		54.2	333.0	27,200*														175
180	37.0	298.0	20,300*		43.5	313.7	25,400*		47.1	320.8	28,100*		52.4	329.2	26,000*		57.3	334.1	22,700*										180
185	34.5	290.9	19,200*		41.4	308.2	24,000*		45.1	315.9	26,500*		50.6	325.2	25,000*		55.6	330.7	21,700*										185
190	31.9	283.2	18,200*		39.2	302.2	22,700*		43.0	310.6	25,100*		48.7	320.9	23,900*		53.8	327.1	20,800*										190
195	29.0	274.5	17,200*		36.8	295.7	21,500*		40.8	305.0	23,700*		46.8	316.3	22,900*		52.0	323.3	19,900*										195
200	25.9	264.8	16,300*		34.3	288.6	20,400*		38.6	298.9	22,400*		44.8	311.3	22,000*		50.2	319.2	19,000*										200
205	22.3	253.4	15,500*		31.7	280.8	19,300*		36.2	292.3	21,200*		42.7	306.0	21,100*		48.3	314.8	18,200*										205
210	18.1	239.5	14,700*		28.8	272.1	18,300*		33.7	285.0	20,100*		40.5	300.3	20,300*		46.3	310.2	17,500*		51.4	315.8	14,800*						210
215	12.5	220.8	14,000*		25.6	262.2	17,300*		31.0	277.0	19,000*		38.2	294.1	19,500*		44.3	305.1	16,800*		49.6	311.6	14,100*						215
220					22.0	250.7	16,400*		28.0	268.0	18,000*		35.8	287.4	18,700*		42.2	299.8	16,100*		47.7	307.1	13,500*						220
225					17.7	236.6	15,500*		24.7	257.7	17,100*		33.3	280.1	18,000*		40.0	294.0	15,400*		45.7	302.4	12,900*						225
230					12.0	217.3	14,700*		21.0	245.7	16,200*		30.5	271.9	17,300*		37.7	287.7	14,800*		43.6	297.2	12,300*						230
235									16.5	230.6	15,300*		27.6	262.8	16,600*		35.3	280.8	14,200*		41.5	291.7	11,800*		46.8	297.7	9,400*		235
240									10.0	208.7	14,500*		24.2	252.3	16,000*		32.7	273.3	13,600*		39.3	285.8	11,200*		44.8	292.8	9,000*		240
245													20.4	239.9	15,400*		29.9	264.9	13,000*		36.9	279.3	10,700*		42.7	287.5	8,500*		245
250													15.7	224.2	14,800*		26.8	255.5	12,500*		34.4	272.2	10,200*		40.5	281.8	8,100*		250
255													8.7	200.2	14,100*		23.4	244.7	12,000*		31.8	264.5	9,800*		38.2	275.6	7,600*		255
260																	19.4	231.7	11,500*		28.9	255.8	9,300*		35.9	268.9	7,200*		260
265																	14.4	214.9	11,000*		25.8	246.0	8,900*		33.3	261.6	6,900*		265
270																	6.0	186.0	10,400*		22.2	234.6	8,500*		30.6	253.4	6,500*		270
275																					18.0	220.6	8,000*		27.6	244.3	6,100*		275
280																					12.3	201.6	7,600*		24.3	233.8	5,800*		280
285																									20.4	221.4	5,400*		285
290																									15.7	205.8	5,100*		290
295																									8.8	182.0	4,700*		295

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	104,900*b																70
75	39.1	231.7	87,000*	56.6	244.5	99,600*b	65.3	248.1	103,300b													75
80	31.8	224.4	83,300*	51.4	240.7	94,800*b	60.6	245.4	95,300b													80
85	22.5	214.2	76,300*	45.9	236.2	90,400*	55.8	242.2	88,300b													85
90				39.7	230.6	86,300	50.6	238.3	82,200b													90
95				32.6	223.5	80,600	45.0	233.6	76,900	60.8	241.5	70,600b										95
100				23.6	213.7	75,600	38.7	227.8	72,100	55.9	238.3	66,200b										100
105				6.8	193.9	70,900	31.4	220.4	67,800	50.7	234.4	62,300b										105
110							21.9	209.9	63,900	45.1	229.7	58,700										110
115										38.8	224.0	55,500	55.6	232.8	50,600b							115
120										31.5	216.6	52,600	50.4	228.9	47,900							120
125										22.1	206.2	49,900	44.8	224.2	45,500							125
130													38.5	218.3	43,200							130
135													31.1	210.8	41,100	49.5	221.6	37,200				135
140													21.5	200.2	39,200	43.8	216.7	35,400				140
145																37.3	210.7	33,800				145
150																29.7	202.8	32,300				150
155																19.5	191.3	30,800	47.9	212.6	28,900	155
160																			42.0	207.4	27,600	160
165																			35.3	200.9	26,400	165
170																			27.2	192.3	25,200	170
																			15.3	178.7	24,100	170

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	101,900*b																70
75	47.3	246.6	84,600*	61.2	256.3	97,000*b																75
80	42.2	241.4	80,900*	57.0	253.2	92,300*b	64.6	256.8	94,700b													80
85	36.4	235.1	75,500*	52.6	249.5	88,100*	60.6	254.1	87,700b													85
90	29.6	227.1	68,700*	47.8	245.2	84,100*	56.3	250.9	81,700													90
95	20.9	216.0	62,800*	42.7	240.1	80,200	51.8	247.2	76,400													95
100				37.0	233.9	75,200	47.1	242.7	71,600	60.7	250.2	65,600b										100
105				30.4	226.2	70,800	41.9	237.5	67,400	56.4	247.0	61,700										105
110				22.0	215.6	65,900*	36.0	231.1	63,500	51.9	243.3	58,100										110
115				6.3	194.3	60,900*	29.2	223.0	60,000	47.2	238.9	55,000										115
120							20.4	211.7	56,800	42.0	233.6	52,100	56.2	241.5	47,200							120
125										36.2	227.3	49,400	51.7	237.7	44,800							125
130										29.4	219.2	46,900	46.9	233.3	42,600							130
135										20.6	208.0	44,600	41.7	228.0	40,500							135
140													35.8	221.6	38,600	50.9	230.5	34,700				140
145													29.0	213.4	36,900	46.1	226.0	33,100				145
150													20.0	201.9	35,200	40.8	220.5	31,600				150
155																34.8	213.8	30,200				155
160																27.7	205.3	28,900	44.6	216.7	25,700	160
165																18.1	192.9	27,600	39.1	211.0	24,600	165
170																			32.9	203.9	23,500	170
175																			25.3	194.5	22,500	175
180																			14.2	179.9	21,500	180

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	67.8	271.5	100,600*b																			55
60	64.3	269.2	95,500*b																			60
65	60.7	266.5	90,800*																			65
70	56.9	263.4	86,500*	68.2	269.9	99,100*b																70
75	53.0	259.8	82,500*	64.7	267.6	94,500*b																75
80	48.9	255.6	78,900*	61.1	265.0	90,100*	67.6	267.8	94,200b													80
85	44.4	250.7	74,800*	57.3	261.9	86,000*	64.1	265.5	87,300b													85
90	39.6	245.0	68,200*	53.4	258.3	82,300*	60.5	262.8	81,300													90
95	34.2	238.2	62,300*	49.3	254.2	78,700*	56.7	259.6	75,900													95
100	27.9	229.6	57,100*	44.9	249.4	74,900	52.8	256.0	71,200													100
105	19.7	217.8	52,500*	40.1	243.8	70,500	48.6	251.8	67,000	60.6	258.8	61,200										105
110				34.8	237.1	66,100*	44.2	246.9	63,200	56.8	255.7	57,700										110
115				28.6	228.7	61,100*	39.3	241.1	59,700	52.9	252.1	54,500										115
120				20.7	217.4	56,800*	33.9	234.1	56,600	48.7	247.9	51,600										120
125				5.9	194.8	52,900*	27.5	225.4	53,700	44.3	243.0	49,000	56.6	250.2	44,300							125
130							19.2	213.4	51,000	39.4	237.2	46,600	52.7	246.6	42,100							130
135										34.0	230.3	44,300	48.5	242.3	40,100							135
140										27.6	221.7	42,300	44.0	237.4	38,200							140
145										19.4	209.7	40,300	39.1	231.6	36,500	52.0	239.4	32,700				145
150													33.7	224.6	34,800	47.8	235.0	31,200				150
155													27.2	215.8	33,300	43.3	230.0	29,800				155
160													18.8	203.5	31,800	38.3	224.0	28,500				160
165																32.7	216.8	27,300	46.5	225.9	24,100	165
170																26.0	207.6	26,100	41.9	220.6	23,100	170
175																17.0	194.4	25,000	36.8	214.3	22,100	175
180																			30.9	206.6	21,200	180
185																			23.8	196.6	20,300	185
190																			13.4	181.0	19,400	190

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	70.1	282.3	97,400*b																			55
60	67.1	280.2	92,700*b																			60
65	63.9	277.9	88,300*																			65
70	60.6	275.2	84,100*	70.5	280.6	96,000*b																70
75	57.3	272.1	80,300*	67.4	278.6	91,700*b																75
80	53.7	268.5	76,800*	64.2	276.3	87,600*																80
85	50.1	264.5	73,500*	61.0	273.6	83,800*	66.9	276.5	86,700b													85
90	46.2	259.9	67,600*	57.6	270.6	80,100*	63.7	274.1	80,700													90
95	42.0	254.6	61,900*	54.1	267.1	76,800*	60.5	271.4	75,400													95
100	37.4	248.4	56,800*	50.5	263.1	73,600*	57.1	268.3	70,700													100
105	32.3	241.1	52,200*	46.6	258.6	70,000	53.6	264.7	66,400													105
110	26.4	231.9	48,100*	42.5	253.4	65,900*	49.9	260.7	62,700	60.5	267.5	57,000										110
115	18.6	219.4	44,500*	37.9	247.3	60,900*	46.0	256.0	59,200	57.1	264.4	53,900										115
120				32.9	240.1	56,600*	41.8	250.7	56,100	53.6	260.8	51,000										120
125				27.0	231.1	52,700*	37.2	244.5	53,200	50.0	256.8	48,400										125
130				19.6	219.1	49,300*	32.1	237.0	50,600	46.1	252.2	46,000	56.9	258.9	41,400							130
135				5.6	195.2	46,100*	26.0	227.7	48,200	41.9	246.9	43,800	53.4	255.3	39,400							135
140							18.1	214.9	45,900	37.3	240.6	41,700	49.7	251.3	37,600							140
145										32.2	233.2	39,800	45.8	246.6	35,800							145
150										26.2	224.0	38,000	41.6	241.2	34,200	52.8	248.2	30,500				150
155										18.3	211.3	36,300	37.0	235.0	32,700	49.1	244.0	29,100				155
160													31.9	227.5	31,300	45.2	239.2	27,800				160
165													25.8	218.1	30,000	40.9	233.7	26,600				165
170													17.8	205.1	28,700	36.2	227.3	25,500	48.0	234.9	22,400	170
175																30.9	219.6	24,400	44.0	230.0	21,400	175
180																24.6	209.8	23,400	39.6	224.2	20,500	180
185																16.1	195.7	22,400	34.8	217.5	19,600	185
190																			29.3	209.2	18,800	190
195																			22.5	198.6	18,000	195
200																			12.6	182.1	17,200	200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	72.0	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	89,200*b																75
80	57.5	280.7	75,100*	66.7	287.3	85,400*																80
85	54.3	277.3	71,900*	63.8	285.0	81,800*																85
90	51.0	273.4	66,800*	60.9	282.3	78,400*	66.3	285.2	80,100													90
95	47.6	269.0	61,500*	57.8	279.2	75,100*	63.4	282.8	74,800													95
100	43.9	264.0	56,600*	54.7	275.8	72,100*	60.4	280.1	70,100													100
105	39.9	258.3	52,100*	51.4	272.0	69,200*	57.3	277.0	65,900													105
110	35.6	251.7	48,100*	47.9	267.6	65,600	54.2	273.5	62,200													110
115	30.8	243.8	44,500*	44.3	262.7	62,000	50.9	269.6	58,700	60.5	276.2	53,300										115
120	25.1	234.1	41,200*	40.4	257.1	57,800*	47.4	265.1	55,600	57.4	273.1	50,500										120
125	17.7	220.9	38,400*	36.1	250.6	53,900*	43.7	260.1	52,800	54.2	269.6	47,900										125
130				31.3	242.9	50,400*	39.7	254.3	50,200	50.9	265.7	45,500										130
135				25.7	233.4	47,200*	35.4	247.7	47,800	47.5	261.2	43,300	57.2	267.6	38,900							135
140				18.6	220.7	44,400*	30.5	239.8	45,500	43.8	256.2	41,300	54.1	264.1	37,000							140
145				5.3	195.6	39,500*	24.7	229.9	43,500	39.8	250.5	39,400	50.7	260.1	35,300							145
150							17.2	216.4	41,500	35.5	243.9	37,600	47.2	255.7	33,700							150
155										30.6	236.0	36,000	43.5	250.6	32,200							155
160										24.9	226.2	34,400	39.6	244.9	30,800	50.2	252.9	27,300				160
165										17.4	212.8	32,900	35.2	238.2	29,500	46.7	248.4	26,100				165
170													30.3	230.2	28,300	42.9	243.2	25,000				170
175													24.5	220.2	27,100	38.9	237.3	23,900				175
180													16.9	206.5	26,000	34.5	230.4	23,000	45.6	239.2	20,000	180
185																29.4	222.2	22,000	41.8	233.8	19,100	185
190																23.4	211.8	21,100	37.7	227.7	18,300	190
195																15.3	197.1	20,200	33.1	220.5	17,600	195
200																			27.8	211.7	16,800	200
205																			21.4	200.5	16,100	205
210																			12.0	183.1	15,400	210

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	73.6	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	82,800*																80
85	57.7	289.4	70,100*	66.2	296.1	79,400*																85
90	54.8	286.0	65,600*	63.5	293.6	76,200*																90
95	51.8	282.2	60,700*	60.8	290.9	73,200*	65.8	293.9	74,300													95
100	48.7	277.9	56,100*	58.0	287.9	70,300*	63.1	291.5	69,600													100
105	45.4	273.2	51,800*	55.1	284.5	67,500*	60.4	288.7	65,400													105
110	41.9	267.8	47,900*	52.1	280.8	65,000*	57.6	285.6	61,600													110
115	38.1	261.7	44,400*	49.0	276.6	61,600	54.7	282.2	58,200													115
120	34.0	254.7	41,100*	45.8	271.9	57,400*	51.7	278.4	55,100	60.4	284.8	49,900										120
125	29.4	246.4	38,200*	42.3	266.6	53,500*	48.5	274.1	52,300	57.6	281.7	47,300										125
130	24.0	236.2	35,600*	38.5	260.6	50,000*	45.2	269.3	49,700	54.7	278.3	44,900										130
135	16.9	222.4	33,200*	34.5	253.7	46,800*	41.7	263.9	47,300	51.7	274.5	42,700										135
140				29.9	245.5	44,000*	37.9	257.8	45,100	48.6	270.2	40,700	57.5	276.3	36,400							140
145				24.6	235.6	41,400*	33.8	250.7	43,000	45.3	265.5	38,800	54.6	272.8	34,700							145
150				17.8	222.2	39,000*	29.1	242.4	41,100	41.8	260.1	37,100	51.6	269.0	33,100							150
155				5.0	196.0	34,900*	23.6	232.0	39,300	38.0	254.0	35,500	48.4	264.7	31,600							155
160							16.5	217.8	37,600	33.9	246.9	33,900	45.1	259.9	30,200							160
165										29.3	238.6	32,500	41.6	254.5	29,000	51.1	261.8	25,500				165
170										23.8	228.3	31,100	37.8	248.3	27,700	47.9	257.4	24,400				170
175										16.7	214.2	29,800	33.6	241.2	26,600	44.5	252.5	23,300				175
180													29.0	232.8	25,500	41.0	247.0	22,400				180
185													23.4	222.3	24,400	37.1	240.7	21,400	46.9	248.3	18,500	185
190													16.2	207.9	23,400	32.9	233.4	20,500	43.5	243.2	17,700	190
195																28.1	224.7	19,700	39.9	237.5	16,900	195
200																22.4	213.8	18,900	36.0	230.9	16,200	200
205																14.6	198.3	18,100	31.6	223.3	15,500	205
210																			26.6	214.1	14,900	210
215																			20.5	202.3	14,200	215
220																			11.5	184.0	13,600	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.9	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	79,300*																80
85	60.5	301.1	67,700*	68.1	307.0	76,300*																85
90	57.9	298.1	64,600*	65.7	304.8	73,400*																90
95	55.2	294.7	60,100*	63.3	302.3	70,500*	67.7	304.9	74,000													95
100	52.5	291.0	55,900*	60.7	299.6	67,900*	65.3	302.6	69,300													100
105	49.6	286.9	51,900*	58.2	296.6	65,300*	62.9	300.2	65,100													105
110	46.7	282.3	48,100*	55.5	293.2	62,900*	60.3	297.4	61,400													110
115	43.5	277.2	44,600*	52.8	289.6	60,600*	57.8	294.3	58,000													115
120	40.2	271.5	41,500*	49.9	285.5	57,800*	55.1	290.9	54,900	62.9	296.2	49,600										120
125	36.6	265.1	38,500*	47.0	281.0	53,800*	52.3	287.2	52,100	60.4	293.5	47,000										125
130	32.6	257.7	35,900*	43.8	275.9	50,200*	49.5	283.0	49,500	57.8	290.4	44,700										130
135	28.2	249.0	33,400*	40.5	270.3	47,000*	46.5	278.4	47,100	55.2	287.0	42,500										135
140	23.0	238.2	31,300*	37.0	263.9	44,100*	43.3	273.3	44,900	52.4	283.3	40,500										140
145	16.2	223.8	29,300*	33.1	256.6	41,500*	40.0	267.6	42,900	49.5	279.2	38,600	57.7	284.9	34,400							145
150				28.7	248.1	39,100*	36.4	261.1	41,000	46.6	274.6	36,900	55.0	281.5	32,900							150
155				23.6	237.6	36,900*	32.4	253.6	39,200	43.4	269.5	35,300	52.2	277.8	31,400							155
160				17.1	223.7	34,900*	28.0	244.8	37,500	40.1	263.7	33,800	49.4	273.6	30,000							160
165				4.8	196.4	31,300*	22.7	234.0	36,000	36.5	257.3	32,300	46.4	269.0	28,700							165
170							15.8	219.2	34,500	32.5	249.8	31,000	43.2	263.9	27,500	51.8	270.6	24,100				170
175										28.1	241.1	29,700	39.9	258.1	26,400	48.9	266.4	23,100				175
180										22.8	230.3	28,500	36.2	251.6	25,300	45.9	261.7	22,100				180
185										16.0	215.6	27,400	32.3	244.1	24,300	42.7	256.4	21,200				185
190													27.8	235.2	23,300	39.3	250.6	20,300				190
195													22.5	224.3	22,400	35.6	243.9	19,500	45.0	252.5	16,700	195
200													15.5	209.3	21,500	31.6	236.2	18,700	41.7	247.1	16,000	200
205																27.0	227.1	18,000	38.3	241.0	15,300	205
210																21.5	215.7	17,200	34.5	234.1	14,700	210
215																14.0	199.5	16,500	30.3	226.0	14,100	215
220																			25.5	216.3	13,500	220
225																			19.6	204.0	12,900	225
230																			11.0	185.0	12,300	230

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	73,900*																85
90	60.4	309.8	62,700*	67.6	315.7	71,100*																90
95	58.1	306.8	58,700*	65.3	313.5	68,500*																95
100	55.6	303.4	54,800*	63.0	311.0	66,000*	67.2	313.6	68,700													100
105	53.1	299.8	51,100*	60.7	308.3	63,600*	65.0	311.3	64,600													105
110	50.4	295.7	47,600*	58.3	305.2	61,300*	62.7	308.8	60,800													110
115	47.7	291.3	44,300*	55.9	301.9	59,100*	60.3	306.0	57,400													115
120	44.8	286.5	41,300*	53.3	298.3	57,000*	57.9	303.0	54,400													120
125	41.8	281.1	38,400*	50.7	294.3	53,300*	55.5	299.6	51,600	62.7	304.9	46,400										125
130	38.6	275.0	35,800*	48.0	290.0	49,700*	52.9	296.0	49,000	60.4	302.1	44,100										130
135	35.2	268.3	33,400*	45.1	285.1	46,500*	50.3	291.9	46,600	58.0	299.1	41,900										135
140	31.4	260.5	31,200*	42.2	279.8	43,600*	47.6	287.5	44,400	55.5	295.7	39,900										140
145	27.1	251.4	29,200*	39.0	273.9	41,000*	44.7	282.6	42,400	53.0	292.1	38,000										145
150	22.1	240.2	27,400*	35.6	267.2	38,600*	41.7	277.2	40,500	50.3	288.0	36,300	57.8	293.6	32,200							150
155	15.6	225.1	25,800*	31.8	259.5	36,400*	38.5	271.1	38,700	47.6	283.6	34,700	55.4	290.2	30,800							155
160				27.6	250.5	34,400*	35.0	264.3	37,100	44.8	278.7	33,200	52.8	286.6	29,400							160
165				22.7	239.6	32,600*	31.2	256.4	35,500	41.7	273.3	31,800	50.2	282.5	28,100							165
170				16.4	225.1	30,800*	26.9	247.2	34,100	38.5	267.3	30,500	47.5	278.1	26,900							170
175				4.6	196.7	27,800*	21.8	235.9	32,300*	35.1	260.4	29,200	44.6	273.1	25,800	52.4	279.4	22,500				175
180							15.2	220.5	30,600*	31.3	252.6	28,100	41.6	267.7	24,700	49.8	275.3	21,500				180
185										27.0	243.5	27,000	38.3	261.6	23,700	47.0	270.7	20,600				185
190										22.0	232.2	25,900	34.9	254.7	22,800	44.1	265.7	19,700				190
195										15.4	217.0	24,900	31.0	246.9	21,900	41.0	260.2	18,900				195
200													26.7	237.6	21,000	37.8	254.0	18,200	46.2	261.6	15,400	200
205													21.6	226.2	20,200	34.3	247.0	17,400	43.2	256.5	14,700	205
210													14.9	210.5	19,400	30.4	238.9	16,700	40.1	250.7	14,100	210
215																26.0	229.4	16,000	36.8	244.3	13,500	215
220																20.7	217.5	15,400	33.2	237.0	12,900	220
225																13.5	200.7	14,700	29.2	228.6	12,400	225
230																			24.6	218.5	11,800	230
235																			18.9	205.6	11,300	235
240																			10.6	185.9	10,800	240

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	69,100*																90
95	60.4	318.5	57,000*	67.1	324.4	66,600*																95
100	58.2	315.4	53,500*	65.0	322.2	64,300*																100
105	55.9	312.1	50,200*	62.8	319.7	62,000*	66.7	322.3	64,100													105
110	53.5	308.5	47,000*	60.6	316.9	59,900*	64.6	320.0	60,300													110
115	51.1	304.6	43,900*	58.4	313.9	57,800*	62.5	317.5	56,900													115
120	48.6	300.3	41,000*	56.1	310.6	55,800*	60.3	314.7	53,900													120
125	46.0	295.6	38,300*	53.8	307.1	53,700*	58.1	311.7	51,100													125
130	43.2	290.4	35,800*	51.4	303.2	50,100*	55.8	308.3	48,500	62.5	313.6	43,500										130
135	40.3	284.8	33,500*	48.9	298.9	46,900*	53.4	304.7	46,100	60.3	310.8	41,400										135
140	37.3	278.4	31,300*	46.3	294.3	43,900*	51.0	300.8	43,900	58.1	307.8	39,400										140
145	33.9	271.3	29,300*	43.5	289.2	41,300*	48.5	296.5	41,900	55.8	304.4	37,500										145
150	30.3	263.2	27,500*	40.6	283.5	38,900*	45.8	291.7	40,000	53.5	300.8	35,800										150
155	26.2	253.7	25,800*	37.6	277.3	36,700*	43.1	286.6	38,300	51.0	296.9	34,200	58.0	302.3	30,200							155
160	21.4	242.1	24,300*	34.3	270.3	34,600*	40.2	280.8	36,700	48.5	292.6	32,700	55.7	299.0	28,900							160
165	15.1	226.4	23,000*	30.7	262.2	32,700*	37.1	274.5	35,100	45.9	287.9	31,300	53.3	295.3	27,600							165
170				26.6	252.9	31,000*	33.7	267.3	33,700	43.1	282.7	30,000	50.9	291.4	26,400							170
175				21.9	241.6	29,400*	30.1	259.1	32,300	40.2	277.0	28,800	48.4	287.0	25,300							175
180				15.8	226.5	27,900*	26.0	249.5	30,800*	37.2	270.6	27,600	45.7	282.3	24,300	52.9	288.2	21,000				180
185				4.4	197.1	23,800*	21.1	237.8	29,200*	33.8	263.5	26,500	43.0	277.1	23,300	50.5	284.1	20,100				185
190							14.7	221.8	27,700*	30.2	255.3	25,500	40.1	271.4	22,300	47.9	279.8	19,200				190
195										26.0	245.8	24,500	37.0	265.0	21,400	45.3	274.9	18,400				195
200										21.2	234.1	23,500	33.6	257.8	20,600	42.5	269.7	17,700				200
205										14.8	218.2	22,600	29.9	249.5	19,800	39.6	263.8	16,900	47.2	270.7	14,200	205
210													25.8	239.9	19,000	36.4	257.3	16,200	44.5	265.7	13,600	210
215													20.9	228.0	18,200	33.1	250.0	15,600	41.7	260.3	13,000	215
220													14.4	211.8	17,500	29.3	241.5	14,900	38.7	254.3	12,400	220
225																25.1	231.6	14,300	35.5	247.5	11,900	225
230																20.0	219.2	13,700	32.0	239.9	11,300	230
235																13.0	201.8	13,100	28.2	231.1	10,800	235
240																			23.7	220.6	10,400	240
245																			18.2	207.2	9,900	245
250																			10.2	186.7	9,400	250

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	66,700*																90
95	62.4	329.9	54,900*	68.6	335.3	64,500*																95
100	60.4	327.1	51,900*	66.6	333.2	62,300*																100
105	58.3	324.1	48,900*	64.7	330.9	60,200*																105
110	56.2	320.8	46,000*	62.7	328.3	58,100*	66.3	331.1	59,800													110
115	54.0	317.3	43,200*	60.6	325.6	56,200*	64.3	328.7	56,400													115
120	51.7	313.4	40,500*	58.5	322.6	54,300*	62.3	326.2	53,300													120
125	49.4	309.2	38,000*	56.4	319.3	52,500*	60.3	323.4	50,500													125
130	46.9	304.7	35,600*	54.2	315.8	49,600*	58.2	320.3	48,000													130
135	44.4	299.7	33,300*	51.9	312.0	46,400*	56.0	317.0	45,600	62.4	322.2	40,800										135
140	41.8	294.3	31,300*	49.6	307.8	43,400*	53.8	313.5	43,400	60.3	319.5	38,800										140
145	39.0	288.3	29,300*	47.2	303.3	40,800*	51.6	309.6	41,400	58.2	316.4	37,000										145
150	36.0	281.7	27,500*	44.7	298.4	38,300*	49.2	305.4	39,500	56.1	313.1	35,300										150
155	32.8	274.3	25,800*	42.1	293.0	36,100*	46.8	300.8	37,800	53.9	309.6	33,700										155
160	29.3	265.8	24,300*	39.3	287.1	34,100*	44.3	295.8	36,200	51.6	305.7	32,200										160
165	25.3	255.9	22,900*	36.3	280.6	32,200*	41.6	290.4	34,600	49.3	301.5	30,800	56.0	307.7	27,000							165
170	20.7	243.9	21,600*	33.2	273.2	30,500*	38.8	284.4	33,200	46.9	297.0	29,500	53.8	304.1	25,800							170
175	14.6	227.7	20,400*	29.7	264.9	28,900*	35.9	277.7	31,900	44.3	292.0	28,300	51.5	300.2	24,700							175
180				25.8	255.2	27,400*	32.6	270.2	30,200*	41.7	286.5	27,100	49.2	296.0	23,700							180
185				21.2	243.4	26,000*	29.1	261.7	28,600*	38.9	280.5	26,000	46.7	291.4	22,700							185
190				15.3	227.8	24,700*	25.1	251.8	27,200*	35.9	273.9	25,000	44.2	286.4	21,700	51.1	293.0	18,600				190
195				4.3	197.4	21,100*	20.4	239.5	25,800*	32.7	266.4	24,000	41.5	280.9	20,900	48.8	288.7	17,800				195
200							14.2	223.0	24,500*	29.2	257.9	23,100	38.7	274.9	20,000	46.3	284.1	17,000				200
205										25.2	248.0	22,200	35.7	268.2	19,200	43.8	279.0	16,300				205
210										20.5	235.9	21,300	32.5	260.7	18,400	41.1	273.4	15,600				210
215										14.3	219.5	20,500	29.0	252.1	17,700	38.3	267.3	15,000				215
220													24.9	242.1	17,000	35.2	260.5	14,400	45.6	274.9	12,300	220
225													20.2	229.8	16,300	32.0	252.8	13,800	43.0	269.7	11,800	225
230													13.9	213.0	15,700	28.3	244.1	13,200	40.3	264.0	11,300	230
235																24.2	233.7	12,600	37.4	257.7	10,700	235
240																19.3	220.9	12,100	34.3	250.6	10,300	240
245																12.6	202.9	11,500	31.0	242.7	9,800	245
250																			27.2	233.5	9,300	250
255																			22.9	222.6	8,900	255
260																			17.6	208.7	8,400	260
																			9.8	187.6	8,000	260

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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			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	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	62,400*																95
100	62.3	338.6	50,100*	68.1	344.0	60,400*																100
105	60.4	335.8	47,500*	66.2	341.9	58,400*																105
110	58.4	332.8	44,900*	64.4	339.5	56,600*	67.8	342.0	59,500													110
115	56.4	329.5	42,400*	62.5	337.0	54,700*	66.0	339.8	56,100													115
120	54.3	326.0	39,900*	60.6	334.2	53,000*	64.1	337.4	53,000													120
125	52.2	322.2	37,600*	58.6	331.2	51,300*	62.2	334.8	50,200													125
130	50.0	318.1	35,300*	56.6	328.0	49,300*	60.3	332.0	47,700													130
135	47.8	313.7	33,200*	54.5	324.5	46,100*	58.3	329.0	45,300													135
140	45.5	308.9	31,200*	52.4	320.8	43,100*	56.3	325.7	43,200	62.2	330.9	38,500										140
145	43.0	303.7	29,300*	50.3	316.7	40,500*	54.2	322.2	41,200	60.3	328.1	36,700										145
150	40.5	298.0	27,500*	48.0	312.3	38,000*	52.1	318.4	39,300	58.3	325.1	35,000										150
155	37.8	291.7	25,900*	45.7	307.6	35,800*	49.9	314.3	37,500	56.3	321.8	33,400										155
160	34.9	284.8	24,400*	43.3	302.4	33,800*	47.7	309.9	35,900	54.3	318.3	31,900										160
165	31.8	277.1	23,000*	40.7	296.8	31,900*	45.3	305.0	34,400	52.2	314.5	30,500										165
170	28.4	268.3	21,600*	38.1	290.6	30,200*	42.9	299.8	33,000	50.0	310.4	29,200	56.2	316.3	25,500							170
175	24.5	258.1	20,400*	35.2	283.8	28,600*	40.3	294.1	31,600	47.7	306.0	28,000	54.1	312.8	24,400							175
180	20.0	245.6	19,300*	32.1	276.1	27,100*	37.6	287.8	29,900*	45.4	301.2	26,800	52.0	309.0	23,400							180
185	14.1	228.9	18,300*	28.8	267.5	25,700*	34.7	280.9	28,300*	42.9	295.9	25,800	49.8	304.9	22,400							185
190				25.0	257.4	24,400*	31.6	273.1	26,900*	40.4	290.2	24,700	47.6	300.4	21,500							190
195				20.5	245.2	23,100*	28.2	264.2	25,500*	37.7	284.0	23,800	45.2	295.6	20,600	51.7	301.8	17,500				195
200				14.8	229.1	22,000*	24.3	253.9	24,200*	34.8	277.0	22,800	42.8	290.3	19,800	49.5	297.6	16,800				200
205				4.1	197.7	18,700*	19.7	241.3	23,000*	31.7	269.3	21,900	40.2	284.6	19,000	47.2	293.1	16,100				205
210							13.7	224.2	21,800*	28.3	260.5	21,100	37.5	278.3	18,200	44.9	288.2	15,400				210
215										24.4	250.2	20,300	34.6	271.3	17,500	42.4	282.9	14,700				215
220										19.9	237.6	19,500	31.5	263.5	16,800	39.8	277.1	14,100				220
225										13.9	220.7	18,800	28.1	254.6	16,100	37.1	270.7	13,500	46.5	284.0	11,500	225
230													24.2	244.2	15,500	34.1	263.6	13,000	44.2	279.0	11,000	230
235													19.6	231.5	14,900	31.0	255.6	12,400	41.7	273.5	10,500	235
240													13.5	214.1	14,300	27.5	246.5	11,900	39.0	267.5	10,000	240
245																23.5	235.8	11,400	36.2	261.0	9,500	245
250																18.7	222.5	10,900	33.3	253.6	9,100	250
255																12.2	203.9	10,400	30.0	245.4	8,700	255
260																			26.4	235.9	8,200	260
265																			22.2	224.6	7,800	265
270																			17.1	210.2	7,400	270
																			9.5	188.4	7,000	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 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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			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	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	58,200*																100
105	62.2	347.2	45,700*	67.6	352.8	56,400*																105
110	60.3	344.4	43,500*	65.9	350.6	54,700*																110
115	58.5	341.4	41,200*	64.1	348.2	53,000*	67.4	350.7	55,600													115
120	56.6	338.2	39,000*	62.4	345.7	51,300*	65.6	348.5	52,500													120
125	54.7	334.7	36,900*	60.5	342.9	49,700*	63.9	346.1	49,700													125
130	52.7	331.0	34,800*	58.7	339.9	48,200*	62.1	343.5	47,200													130
135	50.6	327.0	32,800*	56.8	336.7	45,500*	60.2	340.7	44,800													135
140	48.5	322.7	30,900*	54.9	333.3	42,600*	58.4	337.7	42,600													140
145	46.4	318.0	29,100*	52.9	329.6	39,900*	56.5	334.4	40,600	62.1	339.6	36,100										145
150	44.1	313.0	27,400*	50.8	325.6	37,500*	54.6	330.9	38,800	60.3	336.8	34,400										150
155	41.7	307.5	25,800*	48.7	321.3	35,300*	52.6	327.2	37,000	58.4	333.8	32,800										155
160	39.3	301.6	24,300*	46.6	316.7	33,300*	50.5	323.2	35,400	56.5	330.5	31,300										160
165	36.7	295.1	23,000*	44.3	311.7	31,400*	48.4	318.8	33,900	54.6	327.0	30,000										165
170	33.9	287.9	21,600*	42.0	306.3	29,700*	46.2	314.2	32,500	52.6	323.3	28,700										170
175	30.9	279.9	20,400*	39.5	300.4	28,000*	44.0	309.1	31,100*	50.6	319.3	27,500	56.4	325.0	23,800							175
180	27.6	270.8	19,300*	36.9	293.9	26,600*	41.6	303.6	29,400*	48.5	314.9	26,300	54.5	321.5	22,800							180
185	23.8	260.2	18,300*	34.2	286.8	25,200*	39.1	297.7	27,800*	46.3	310.3	25,200	52.5	317.8	21,800							185
190	19.4	247.3	17,300*	31.2	278.9	23,900*	36.5	291.1	26,300*	44.0	305.2	24,200	50.4	313.7	20,900							190
195	13.7	230.1	16,400*	27.9	269.9	22,600*	33.7	283.9	25,000*	41.7	299.8	23,200	48.3	309.4	20,000							195
200				24.2	259.5	21,500*	30.7	275.8	23,700*	39.2	293.8	22,300	46.2	304.7	19,200	52.2	310.6	16,200				200
205				19.9	247.0	20,400*	27.4	266.7	22,500*	36.6	287.3	21,500	43.9	299.6	18,400	50.1	306.5	15,500				205
210				14.4	230.4	19,400*	23.6	256.0	21,300*	33.8	280.1	20,600	41.5	294.1	17,700	48.0	302.1	14,800				210
215				4.0	198.0	16,400*	19.2	242.9	20,200*	30.8	272.0	19,800	39.0	288.2	16,900	45.8	297.4	14,100				215
220							13.3	225.3	19,200*	27.5	262.9	19,100	36.4	281.6	16,300	43.5	292.2	13,500				220
225										23.7	252.3	18,300	33.6	274.3	15,600	41.1	286.7	12,900	47.4	293.0	10,400	225
230										19.3	239.3	17,600	30.6	266.2	15,000	38.6	280.6	12,400	45.1	288.2	9,900	230
235										13.5	221.8	16,900	27.2	257.0	14,400	36.0	273.9	11,800	42.8	282.9	9,400	235
240													23.5	246.3	13,800	33.1	266.6	11,300	40.4	277.2	8,900	240
245													19.0	233.1	13,200	30.1	258.3	10,800	37.9	271.0	8,500	245
250													13.1	215.3	12,700	26.7	248.9	10,400	35.2	264.1	8,100	250
255																22.8	237.8	9,900	32.3	256.5	7,700	255
260																18.2	224.1	9,400	29.1	248.0	7,300	260
265																11.8	204.9	9,000	25.6	238.1	6,900	265
270																			21.6	226.5	6,500	270
275																			16.6	211.7	6,100	275
280																			9.3	189.1	5,800	280

MANITOWOC ENGINEERING CO.

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LIFTCRANE LUFFING JIB CAPACITIES

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WITH THE INTENT TO BE IN
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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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			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	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	55,200*																100
105	63.8	358.5	44,100*	68.9	363.6	53,600*																105
110	62.1	355.9	42,200*	67.3	361.5	52,000*																110
115	60.3	353.1	40,200*	65.6	359.3	50,500*																115
120	58.6	350.1	38,300*	63.9	356.9	49,000*	67.0	359.4	51,300*													120
125	56.8	346.9	36,300*	62.2	354.3	47,500*	65.3	357.2	49,200													125
130	54.9	343.4	34,400*	60.5	351.6	46,100*	63.7	354.8	46,700													130
135	53.1	339.8	32,600*	58.8	348.6	44,700*	62.0	352.2	44,400													135
140	51.2	335.8	30,800*	57.0	345.4	42,700*	60.2	349.3	42,200													140
145	49.2	331.6	29,100*	55.1	342.0	40,000*	58.5	346.3	40,200													145
150	47.1	327.1	27,500*	53.3	338.3	37,500*	56.7	343.1	38,300	62.0	348.2	33,900										150
155	45.0	322.2	26,000*	51.4	334.4	35,200*	54.9	339.7	36,600	60.3	345.4	32,300										155
160	42.9	316.9	24,500*	49.4	330.2	33,200*	53.0	336.0	35,000	58.5	342.4	30,900										160
165	40.6	311.2	23,200*	47.4	325.7	31,200*	51.1	332.0	33,500	56.7	339.2	29,500										165
170	38.2	305.1	21,900*	45.3	320.9	29,500*	49.1	327.8	32,100	54.9	335.8	28,200										170
175	35.6	298.3	20,700*	43.1	315.6	27,800*	47.0	323.2	30,700	53.0	332.1	27,000										175
180	32.9	290.9	19,500*	40.8	310.0	26,300*	44.9	318.3	29,200*	51.1	328.1	25,900	56.6	333.7	22,300							180
185	30.0	282.6	18,500*	38.4	303.9	24,900*	42.7	313.0	27,600*	49.1	323.9	24,800	54.8	330.3	21,300							185
190	26.8	273.2	17,500*	35.9	297.2	23,600*	40.4	307.3	26,100*	47.1	319.3	23,800	52.9	326.6	20,400							190
195	23.2	262.2	16,600*	33.2	289.8	22,300*	38.0	301.1	24,700*	45.0	314.4	22,800	51.0	322.6	19,600							195
200	18.9	249.0	15,700*	30.3	281.6	21,200*	35.5	294.3	23,400*	42.8	309.2	21,900	49.0	318.3	18,700							200
205	13.3	231.2	15,000*	27.1	272.4	20,100*	32.8	286.8	22,200*	40.5	303.5	21,000	47.0	313.8	17,900	52.6	319.4	15,000				205
210				23.6	261.6	19,000*	29.8	278.5	21,000*	38.1	297.3	20,200	44.8	308.9	17,200	50.7	315.4	14,300				210
215				19.4	248.7	18,100*	26.6	269.0	19,900*	35.6	290.5	19,400	42.6	303.6	16,500	48.7	311.1	13,700				215
220				14.0	231.6	17,100*	23.0	258.0	18,900*	32.8	283.0	18,700	40.4	297.8	15,800	46.6	306.5	13,100				220
225				3.9	198.3	14,400*	18.6	244.6	17,900*	29.9	274.7	17,900	37.9	291.6	15,200	44.5	301.5	12,500				225
230							13.0	226.4	17,000*	26.7	265.3	17,200	35.4	284.8	14,500	42.3	296.1	11,900	46.0	297.3	8,900	230
235										23.1	254.3	16,600	32.7	277.3	14,000	40.0	290.3	11,400	43.9	292.2	8,500	235
240										18.8	240.9	15,900	29.7	268.9	13,400	37.5	284.0	10,900				240
245										13.1	223.0	15,300										
250													26.5	259.4	12,800	35.0	277.1	10,400	41.6	286.7	8,000	245
255													22.8	248.3	12,300	32.2	269.4	9,900	39.3	280.8	7,600	250
260													18.5	234.8	11,800	29.2	260.9	9,500	36.8	274.3	7,200	255
265													12.7	216.4	11,300	25.9	251.2	9,000	34.2	267.2	6,800	260
270																22.2	239.8	8,600	31.4	259.3	6,400	265
275																17.7	225.7	8,200	28.3	250.5	6,100	270
280																11.5	205.9	7,700	24.9	240.3	5,700	275
285																			21.0	228.3	5,400	280
290																			16.1	213.1	5,000	285
																			9.0	189.9	4,700	290

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FOLD UNDER LUFFING JIB NO. 133A ON
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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			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	75.8	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	51,500*																105
110	63.6	367.2	40,300*	68.5	372.4	50,100*																110
115	62.0	364.6	38,600*	66.9	370.3	48,700*																115
120	60.3	361.8	36,900*	65.3	368.0	47,300*																120
125	58.6	358.8	35,200*	63.7	365.6	45,900*	66.7	368.2	47,900*													125
130	56.9	355.6	33,500*	62.1	363.0	44,600*	65.1	365.9	46,200													130
135	55.2	352.2	31,900*	60.5	360.2	43,200*	63.5	363.4	43,800													135
140	53.4	348.5	30,200*	58.8	357.2	41,300*	61.9	360.8	41,700													140
145	51.6	344.6	28,700*	57.1	354.1	39,400*	60.2	358.0	39,700													145
150	49.8	340.5	27,200*	55.4	350.7	36,900*	58.6	355.0	37,800													150
155	47.8	336.1	25,700*	53.6	347.1	34,700*	56.9	351.8	36,100	61.9	356.9	31,800										155
160	45.9	331.3	24,300*	51.8	343.2	32,600*	55.1	348.4	34,500	60.3	354.1	30,300										160
165	43.8	326.2	23,000*	50.0	339.1	30,700*	53.3	344.7	33,000	58.6	351.1	28,900										165
170	41.7	320.7	21,800*	48.1	334.7	28,900*	51.5	340.8	31,600	56.9	347.9	27,700										170
175	39.5	314.8	20,600*	46.1	330.0	27,300*	49.7	336.7	30,200	55.2	344.5	26,500										175
180	37.2	308.4	19,500*	44.0	324.9	25,800*	47.7	332.2	28,700*	53.4	340.8	25,300										180
185	34.7	301.4	18,500*	41.9	319.5	24,300*	45.8	327.5	27,100*	51.6	336.9	24,200	56.8	342.4	20,800							185
190	32.1	293.7	17,500*	39.7	313.6	23,000*	43.7	322.3	25,500*	49.7	332.8	23,200	55.1	339.0	19,800							190
195	29.2	285.2	16,600*	37.4	307.3	21,800*	41.6	316.8	24,100*	47.8	328.3	22,300	53.3	335.3	19,000							195
200	26.1	275.5	15,700*	35.0	300.3	20,600*	39.4	310.9	22,800*	45.8	323.6	21,400	51.5	331.4	18,200							200
205	22.6	264.2	14,900*	32.3	292.7	19,500*	37.0	304.5	21,600*	43.8	318.5	20,500	49.6	327.2	17,400							205
210	18.4	250.6	14,100*	29.5	284.3	18,500*	34.6	297.4	20,500*	41.6	313.0	19,700	47.7	322.8	16,600	53.0	328.2	13,700				210
215	13.0	232.3	13,500*	26.4	274.7	17,500*	31.9	289.7	19,400*	39.4	307.1	18,900	45.7	318.0	15,900	51.2	324.2	13,100				215
220				23.0	263.6	16,600*	29.1	281.1	18,400*	37.1	300.6	18,200	43.6	312.9	15,300	49.3	320.0	12,500				220
225				18.9	250.3	15,700*	25.9	271.3	17,400*	34.6	293.6	17,400	41.5	307.4	14,600	47.4	315.5	11,900				225
230				13.7	232.8	14,900*	22.4	260.0	16,500*	32.0	285.9	16,800	39.3	301.4	14,000	45.4	310.7	11,300				230
235				3.8	198.6	12,400*	18.2	246.2	15,600*	29.1	277.3	16,100	36.9	295.0	13,400	43.3	305.5	10,800				235
240							12.6	227.5	14,800*	26.0	267.6	15,500	34.5	287.9	12,900	41.2	299.9	10,300	46.8	306.4	7,800	240
245										22.5	256.3	14,900	31.8	280.1	12,300	38.9	293.9	9,800	44.8	301.4	7,400	245
250										18.3	242.5	14,300	29.0	271.5	11,800	36.6	287.3	9,400	42.7	296.2	7,000	250
255										12.8	224.1	13,700	25.8	261.7	11,300	34.1	280.2	8,900	40.5	290.5	6,600	255
260													22.2	250.3	10,800	31.4	272.3	8,500	38.2	284.3	6,200	260
265													18.0	236.3	10,300	28.5	263.4	8,100	35.9	277.6	5,900	265
270													12.4	217.4	9,800	25.3	253.4	7,700	33.3	270.2	5,500	270
275																21.6	241.7	7,300	30.6	262.1	5,200	275
280																17.2	227.2	6,900	27.6	252.9	4,800	280
285																11.2	206.9	6,500	24.3	242.5	4,500	285
290																			20.4	230.1	4,200	290

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	61.2	259.4	104,600*b																			55
60	56.4	256.2	99,200*b																			60
65	51.2	252.4	94,300*b																			65
70	45.7	247.8	89,900*	62.5	258.2	104,400*b																70
75	39.5	242.2	85,900*	57.8	255.2	99,200*b																75
80	32.4	235.0	81,500*	52.7	251.6	94,500*b	62.3	256.3	94,200b													80
85	23.3	225.1	74,200*	47.3	247.3	90,200*	57.5	253.2	87,400b													85
90	5.2	203.8	66,600*	41.3	242.0	85,600	52.4	249.6	81,400b													90
95				34.5	235.3	80,000	47.0	245.2	76,000													95
100				26.1	226.4	75,000	41.0	239.8	71,300	58.4	249.7	65,000b										100
105				13.2	211.5	70,500	34.1	233.1	67,100	53.4	246.2	61,200b										105
110							25.6	223.9	63,200	48.1	241.9	57,700										110
115							12.1	208.4	59,600	42.2	236.8	54,500										115
120										35.5	230.3	51,700	54.0	241.0	46,700b							120
125										27.4	221.8	49,000	48.7	236.9	44,300							125
130										15.7	208.4	46,500	42.8	231.8	42,100							130
135													36.3	225.6	40,100							135
140													28.4	217.3	38,200	48.7	230.0	34,200				140
145													17.3	204.8	36,400	42.8	225.0	32,600				145
150																36.3	218.7	31,100				150
155																28.4	210.4	29,700	47.9	221.2	26,300	155
160																17.3	197.9	28,300	42.0	216.0	25,100	160
165																			35.3	209.6	24,000	165
170																			27.2	201.0	23,000	170
175																			15.3	187.3	21,900	175

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	65.1	270.7	101,500*b																			55
60	61.1	268.0	96,300*b																			60
65	56.9	264.9	91,600*b																			65
70	52.4	261.2	87,300*	66.2	269.4	101,200*b																70
75	47.7	256.9	83,400*	62.2	266.9	96,400*b																75
80	42.5	251.8	79,800*	58.0	263.9	91,900*b	66.0	267.5	93,600b													80
85	36.8	245.5	73,000*	53.7	260.4	87,800*	62.0	264.9	86,800b													85
90	30.2	237.7	66,700*	49.0	256.3	83,900*	57.8	261.9	80,800b													90
95	21.7	227.0	61,000*	44.0	251.4	79,600	53.4	258.4	75,500													95
100	4.8	204.1	56,400*	38.5	245.5	74,700	48.8	254.2	70,800	62.8	261.3	64,400b										100
105				32.1	238.2	70,200	43.7	249.3	66,600	58.6	258.4	60,500b										105
110				24.3	228.5	66,200	38.2	243.3	62,800	54.3	254.9	57,100										110
115				12.3	212.5	62,100*	31.8	235.9	59,400	49.7	250.9	53,900										115
120							23.8	226.0	56,200	44.7	246.1	51,100										120
125							11.3	209.3	53,200	39.3	240.4	48,500	54.8	249.8	43,600							125
130										33.1	233.3	46,100	50.2	245.8	41,400							130
135										25.5	224.1	43,800	45.3	241.1	39,400							135
140										14.6	209.7	41,700	39.9	235.5	37,600							140
145													33.8	228.6	35,800	50.2	238.9	31,900				145
150													26.4	219.7	34,200	45.3	234.2	30,400				150
155													16.2	206.2	32,600	39.9	228.6	29,100				155
160																33.8	221.7	27,800				160
165																26.4	212.8	26,600	44.6	225.4	23,300	165
170																16.1	199.3	25,400	39.1	219.6	22,300	170
175																			32.9	212.5	21,300	175
180																			25.3	203.2	20,400	180
185																			14.2	188.5	19,500	185

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	98,300*b																70
75	53.3	270.0	81,300*	65.5	278.1	93,800*b																75
80	49.2	265.9	77,800*	62.0	275.6	89,600*b																80
85	44.8	261.1	72,200*	58.3	272.6	85,600*	65.4	276.2	86,300b													85
90	39.9	255.4	66,000*	54.4	269.2	81,900*	61.8	273.6	80,300b													90
95	34.6	248.7	60,500*	50.3	265.2	78,500*	58.1	270.6	75,100													95
100	28.3	240.2	55,500*	46.0	260.6	74,400	54.2	267.1	70,400													100
105	20.4	228.7	51,100*	41.3	255.2	70,000	50.1	263.1	66,200	62.5	269.9	60,000b										105
110	4.5	204.4	47,400*	36.1	248.8	66,000	45.8	258.5	62,500	58.8	267.0	56,600										110
115				30.2	240.9	62,300*	41.1	253.1	59,000	55.0	263.7	53,500										115
120				22.9	230.5	57,800*	35.9	246.6	55,900	50.9	259.8	50,700										120
125				11.5	213.5	53,800*	29.8	238.6	53,100	46.6	255.3	48,100										125
130							22.4	228.0	50,400	42.0	250.0	45,700	55.4	258.5	41,000							130
135							10.6	210.2	47,900	36.9	243.7	43,500	51.4	254.7	39,000							135
140										31.1	236.1	41,500	47.1	250.2	37,100							140
145										24.0	226.2	39,600	42.5	245.1	35,400							145
150										13.7	210.8	37,700	37.5	238.9	33,800	51.4	247.8	29,900				150
155													31.8	231.5	32,400	47.1	243.4	28,600				155
160													24.9	221.9	30,900	42.5	238.2	27,400				160
165													15.2	207.5	29,600	37.5	232.0	26,200				165
170																31.8	224.6	25,100	46.5	234.6	21,800	170
175																24.9	215.0	24,000	41.9	229.3	20,900	175
180																15.2	200.6	23,000	36.8	223.0	20,000	180
185																			30.9	215.3	19,200	185
190																			23.8	205.3	18,300	190
195																			13.4	189.7	17,500	195

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	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	90,900*b																75
80	54.0	278.8	75,600*	65.0	286.8	87,000*																80
85	50.3	274.8	71,000*	61.8	284.2	83,200*	68.0	287.1	85,700b													85
90	46.5	270.2	65,200*	58.4	281.3	79,700*	64.8	284.9	79,700													90
95	42.3	265.0	59,900*	55.0	277.9	76,400*	61.6	282.2	74,500													95
100	37.8	258.9	55,100*	51.4	274.0	73,300*	58.3	279.3	69,800													100
105	32.7	251.6	50,700*	47.6	269.7	69,500	54.8	275.9	65,700													105
110	26.8	242.6	46,800*	43.5	264.6	65,500	51.2	272.0	61,900	62.2	278.6	55,900										110
115	19.3	230.4	43,300*	39.1	258.8	61,900	47.3	267.6	58,500	58.9	275.7	52,800										115
120	4.2	204.7	40,400*	34.2	251.9	57,600*	43.3	262.5	55,400	55.5	272.4	50,000										120
125				28.6	243.4	53,600*	38.8	256.6	52,600	51.9	268.6	47,400										125
130				21.6	232.4	50,100*	33.9	249.6	50,000	48.1	264.3	45,100										130
135				10.9	214.4	46,900*	28.2	241.1	47,600	44.1	259.4	42,900	55.9	267.2	38,300							135
140							21.2	229.8	45,300	39.7	253.6	40,900	52.3	263.5	36,500							140
145							10.0	211.0	43,200	34.9	246.9	39,000	48.5	259.2	34,800							145
150										29.4	238.7	37,300	44.5	254.4	33,200							150
155										22.7	228.2	35,600	40.2	248.8	31,700	52.3	256.6	27,900				155
160										13.0	211.9	34,000	35.5	242.1	30,400	48.5	252.4	26,700				160
165													30.1	234.1	29,100	44.5	247.5	25,500				165
170													23.5	223.9	27,800	40.2	241.9	24,400				170
175													14.3	208.7	26,600	35.5	235.3	23,400				175
180																			48.0	243.6	20,200	180
185																			39.6	232.9	18,500	185
190																			34.8	226.1	17,700	190
195																			29.3	217.9	16,900	195
200																			22.5	207.3	16,200	200
205																			12.6	190.7	15,500	205

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	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	72.2	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	88,300*																75
80	57.7	291.0	73,800*	67.4	297.8	84,600*																80
85	54.6	287.5	69,600*	64.5	295.5	81,100*																85
90	51.3	283.6	64,300*	61.6	292.9	77,800*	67.3	295.9	79,200													90
95	47.8	279.3	59,300*	58.6	289.9	74,700*	64.4	293.5	74,000													95
100	44.2	274.3	54,700*	55.5	286.6	71,700*	61.5	290.9	69,300													100
105	40.2	268.7	50,500*	52.2	282.9	69,000	58.4	287.9	65,200													105
110	35.9	262.1	46,600*	48.8	278.6	65,100	55.3	284.6	61,400													110
115	31.1	254.4	43,200*	45.2	273.9	61,500	52.0	280.8	58,000	62.0	287.3	52,300										115
120	25.5	244.9	40,100*	41.3	268.4	58,300	48.6	276.6	55,000	59.0	284.4	49,500										120
125	18.3	232.0	37,300*	37.2	262.2	54,800*	45.0	271.8	52,200	55.9	281.1	46,900										125
130	4.0	205.0	35,000*	32.5	254.8	51,200*	41.1	266.3	49,600	52.7	277.4	44,600										130
135				27.2	245.8	48,000*	36.9	260.0	47,200	49.3	273.3	42,400										135
140				20.6	234.2	45,000*	32.3	252.5	45,000	45.7	268.6	40,400	56.2	275.9	35,900							140
145				10.4	215.3	42,200*	26.9	243.5	42,900	41.9	263.2	38,600	53.0	272.3	34,200							145
150							20.2	231.6	41,000	37.8	257.1	36,800	49.7	268.2	32,700							150
155							9.5	211.8	39,100	33.2	249.9	35,200	46.1	263.6	31,200							155
160										28.0	241.2	33,700	42.3	258.3	29,900	53.0	265.4	26,100				160
165										21.6	230.0	32,300	38.2	252.2	28,600	49.6	261.3	25,000				165
170										12.3	212.9	30,900	33.7	245.2	27,400	46.1	256.7	23,900				170
175													28.6	236.7	26,300	42.3	251.4	22,900				175
180													22.4	225.9	25,200	38.2	245.4	21,900				180
185													13.6	209.9	24,100	33.7	238.3	21,000	45.6	247.8	17,900	185
190																28.6	229.8	20,100	41.8	242.5	17,200	190
195																22.4	219.0	19,300	37.7	236.3	16,400	195
200																13.6	203.0	18,500	33.1	229.1	15,800	200
205																			27.8	220.4	15,100	205
210																			21.4	209.1	14,400	210
215																			12.0	191.7	13,800	215

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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	80,800*																80
85	57.9	299.6	68,100*	66.8	306.5	77,700*																85
90	55.0	296.2	63,500*	64.2	304.2	74,700*																90
95	52.0	292.5	58,900*	61.5	301.6	71,800*	66.7	304.6	73,400													95
100	48.9	288.3	54,500*	58.7	298.6	69,000*	64.0	302.2	68,700													100
105	45.6	283.5	50,500*	55.8	295.3	66,400*	61.3	299.6	64,600													105
110	42.2	278.2	46,700*	52.9	291.6	64,000*	58.6	296.6	60,900													110
115	38.4	272.2	43,300*	49.8	287.6	61,000	55.7	293.3	57,500													115
120	34.3	265.2	40,200*	46.6	283.0	57,800	52.7	289.6	54,400	61.9	295.9	48,800										120
125	29.7	257.1	37,300*	43.1	277.9	54,800*	49.6	285.5	51,600	59.1	293.0	46,300										125
130	24.4	247.0	34,800*	39.5	272.0	51,200*	46.4	280.9	49,100	56.3	289.8	44,000										130
135	17.5	233.5	32,500*	35.5	265.4	47,900*	43.0	275.7	46,700	53.3	286.2	41,800										135
140	3.8	205.2	30,600*	31.1	257.6	44,900*	39.3	269.9	44,500	50.2	282.2	39,800										140
145				26.0	248.1	42,200*	35.3	263.2	42,500	47.0	277.7	38,000	56.6	284.6	33,600							145
150				19.7	235.9	39,800*	30.8	255.3	40,600	43.6	272.6	36,300	53.6	281.0	32,000							150
155				9.9	216.1	37,400*	25.7	245.7	38,800	40.0	266.9	34,700	50.6	277.1	30,600							155
160							19.3	233.3	37,100	36.1	260.4	33,200	47.4	272.6	29,300							160
165							9.1	212.5	35,500	31.7	252.7	31,800	44.0	267.6	28,000							165
170										26.7	243.6	30,500	40.4	262.0	26,800	50.6	270.2	23,200				170
175										20.7	231.9	29,200	36.5	255.6	25,700	47.4	265.7	22,200				175
180										11.8	213.9	28,000	32.2	248.1	24,600	44.0	260.7	21,300				180
185													27.3	239.1	23,600	40.4	255.1	20,400				185
190													21.4	227.8	22,700	36.5	248.7	19,600	46.9	256.9	16,500	190
195													13.0	211.0	21,700	32.2	241.2	18,700	43.5	251.9	15,800	195
200																27.3	232.2	18,000	39.9	246.2	15,100	200
205																21.4	220.9	17,200	36.0	239.6	14,500	205
210																13.0	204.1	16,500	31.6	232.0	13,800	210
215																			26.6	222.7	13,200	215
220																			20.5	210.9	12,700	220
225																			11.5	192.7	12,100	225

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.0	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	75,500*																85
90	58.1	308.3	62,000*	66.3	315.2	72,600*																90
95	55.4	305.0	57,800*	63.9	312.9	70,000*																95
100	52.7	301.3	53,800*	61.4	310.2	67,400*	66.2	313.3	68,500													100
105	49.8	297.2	50,000*	58.8	307.3	64,900*	63.7	310.9	64,300													105
110	46.9	292.6	46,400*	56.2	304.0	62,600*	61.2	308.2	60,600													110
115	43.7	287.6	43,100*	53.5	300.4	60,300*	58.7	305.3	57,300													115
120	40.4	281.9	40,100*	50.6	296.4	57,600	56.0	302.0	54,200													120
125	36.8	275.5	37,300*	47.7	292.0	54,700	53.3	298.4	51,400	61.7	304.6	46,000										125
130	32.9	268.2	34,800*	44.6	287.1	51,000*	50.5	294.4	48,900	59.2	301.7	43,700										130
135	28.5	259.6	32,400*	41.4	281.7	47,800*	47.5	289.9	46,500	56.5	298.5	41,600										135
140	23.4	249.1	30,300*	37.9	275.5	44,800*	44.5	285.0	44,300	53.8	294.9	39,600										140
145	16.8	235.0	28,500*	34.0	268.4	42,100*	41.2	279.5	42,300	51.0	291.0	37,800										145
150	3.6	205.5	26,900*	29.8	260.2	39,700*	37.7	273.3	40,400	48.1	286.7	36,100	56.8	293.3	31,800							150
155				24.9	250.3	37,400*	33.8	266.2	38,700	45.1	281.8	34,500	54.1	289.8	30,400							155
160				18.9	237.5	35,400*	29.6	257.9	37,000	41.8	276.5	33,000	51.3	285.9	29,000							160
165				9.5	216.9	33,400*	24.6	247.9	35,500	38.4	270.4	31,600	48.4	281.6	27,800							165
170							18.5	234.9	34,000	34.6	263.5	30,300	45.4	276.8	26,600							170
175							8.7	213.3	32,600	30.4	255.5	29,100	42.2	271.5	25,500	51.3	279.0	22,000				175
180										25.7	245.9	27,900	38.7	265.5	24,500	48.4	274.7	21,100				180
185										19.8	233.6	26,800	35.0	258.7	23,500	45.4	270.0	20,200				185
190										11.3	214.9	25,700	30.9	250.9	22,500	42.2	264.6	19,300				190
195													26.2	241.4	21,600	38.7	258.7	18,600				195
200													20.5	229.5	20,800	35.0	251.8	17,800	45.0	261.1	14,900	200
205													12.5	212.0	19,900	30.9	244.0	17,100	41.7	255.7	14,300	205
210																26.2	234.6	16,400	38.3	249.6	13,600	210
215																20.5	222.7	15,700	34.5	242.7	13,100	215
220																12.5	205.1	15,000	30.3	234.7	12,500	220
225																			25.5	225.0	12,000	225
230																			19.6	212.6	11,400	230
235																			11.0	193.6	10,900	235

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.0	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	72,900*																85
90	60.6	320.0	60,000*	68.1	326.1	70,300*																90
95	58.2	317.0	56,300*	65.9	324.0	67,800*																95
100	55.8	313.7	52,700*	63.6	321.5	65,400*	68.0	324.2	67,900													100
105	53.2	310.0	49,200*	61.3	318.9	63,100*	65.7	322.0	63,800													105
110	50.6	306.0	45,900*	58.9	315.9	60,900*	63.5	319.6	60,100													110
115	47.9	301.6	42,800*	56.5	312.7	58,700*	61.1	316.9	56,700													115
120	45.0	296.8	39,900*	53.9	309.2	56,700*	58.8	313.9	53,700													120
125	42.0	291.5	37,200*	51.4	305.3	54,200	56.3	310.7	50,900													125
130	38.9	285.5	34,700*	48.7	301.0	50,600*	53.8	307.1	48,300	61.6	313.3	43,100										130
135	35.4	278.7	32,400*	45.9	296.3	47,300*	51.2	303.2	46,000	59.2	310.4	41,000										135
140	31.7	271.1	30,300*	42.9	291.1	44,300*	48.5	298.9	43,800	56.8	307.2	39,000										140
145	27.5	262.0	28,300*	39.8	285.3	41,600*	45.7	294.2	41,800	54.3	303.7	37,200										145
150	22.5	251.1	26,600*	36.4	278.8	39,200*	42.7	289.0	40,000	51.7	299.8	35,500										150
155	16.2	236.4	25,000*	32.8	271.4	37,000*	39.6	283.1	38,200	49.0	295.6	33,900	57.1	302.0	29,700							155
160	3.4	205.8	23,700*	28.7	262.8	34,900*	36.2	276.6	36,600	46.3	291.0	32,500	54.6	298.5	28,400							160
165				24.0	252.5	33,000*	32.5	269.1	35,100	43.3	285.8	31,100	52.0	294.7	27,200							165
170				18.2	239.1	31,200*	28.5	260.5	33,600	40.2	280.1	29,800	49.3	290.5	26,000							170
175				9.1	217.6	29,600*	23.7	250.0	32,300	36.9	273.7	28,600	46.6	285.9	24,900							175
180							17.8	236.4	31,000	33.3	266.5	27,400	43.6	280.9	23,900	52.0	287.8	20,400				180
185							8.3	213.9	29,500*	29.3	258.1	26,300	40.6	275.2	22,900	49.3	283.7	19,500				185
190										24.7	248.0	25,300	37.3	268.9	22,000	46.6	279.1	18,700				190
195										19.1	235.2	24,300	33.7	261.8	21,100	43.6	274.0	17,900				195
200										10.8	215.8	23,300	29.7	253.5	20,200	40.6	268.4	17,200				200
205													25.2	243.7	19,400	37.3	262.0	16,500	46.2	270.3	13,600	205
210													19.7	231.3	18,700	33.7	254.9	15,800	43.2	265.1	13,000	210
215													12.0	213.1	17,900	29.7	246.6	15,200	40.1	259.4	12,400	215
220																25.2	236.8	14,500	36.8	253.0	11,900	220
225																19.7	224.4	13,900	33.2	245.7	11,400	225
230																12.0	206.2	13,300	29.2	237.3	10,900	230
235																			24.6	227.2	10,400	235
240																			18.9	214.3	9,900	240
245																			10.6	194.5	9,400	245

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY 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.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.1	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	68,200*																90
95	60.6	328.7	54,700*	67.6	334.9	65,800*																95
100	58.3	325.6	51,400*	65.5	332.7	63,600*																100
105	56.1	322.4	48,200*	63.3	330.2	61,500*	67.5	332.9	63,200													105
110	53.7	318.8	45,200*	61.2	327.5	59,400*	65.4	330.7	59,500													110
115	51.3	314.9	42,300*	59.0	324.6	57,400*	63.2	328.2	56,200													115
120	48.8	310.6	39,600*	56.7	321.4	55,400*	61.1	325.6	53,200													120
125	46.2	305.9	37,000*	54.4	317.9	53,600*	58.8	322.6	50,400													125
130	43.4	300.8	34,600*	52.0	314.1	51,000*	56.6	319.4	47,800													130
135	40.5	295.2	32,400*	49.5	309.9	47,600*	54.2	315.9	45,500	61.5	321.9	40,500										135
140	37.5	288.9	30,300*	46.9	305.4	44,600*	51.8	312.0	43,400	59.3	319.0	38,500										140
145	34.2	281.8	28,400*	44.2	300.4	41,900*	49.3	307.9	41,400	57.0	315.9	36,700										145
150	30.6	273.8	26,600*	41.4	294.9	39,400*	46.8	303.3	39,500	54.7	312.4	35,000										150
155	26.5	264.4	25,000*	38.4	288.8	37,200*	44.1	298.3	37,800	52.3	308.6	33,400										155
160	21.7	253.0	23,600*	35.1	282.0	35,100*	41.2	292.7	36,100	49.8	304.5	32,000	57.3	310.7	27,900							160
165	15.6	237.7	22,200*	31.6	274.2	33,200*	38.2	286.6	34,600	47.3	300.0	30,600	54.9	307.2	26,600							165
170	3.3	206.0	21,100*	27.7	265.3	31,400*	34.9	279.7	33,200	44.6	295.1	29,300	52.6	303.5	25,500							170
175				23.1	254.5	29,800*	31.4	272.0	31,900	41.8	289.7	28,100	50.1	299.4	24,400							175
180				17.5	240.6	28,200*	27.5	262.9	30,600	38.8	283.7	27,000	47.5	295.0	23,400							180
185				8.8	218.4	25,500*	22.9	252.0	29,400	35.6	277.0	25,900	44.9	290.1	22,400	52.6	296.6	19,000				185
190							17.2	237.9	28,200*	32.1	269.4	24,800	42.1	284.7	21,500	50.1	292.6	18,200				190
195							8.0	214.6	26,000*	28.3	260.6	23,900	39.1	278.8	20,600	47.5	288.1	17,400				195
200										23.8	250.1	22,900	35.9	272.2	19,800	44.9	283.2	16,700				200
205										18.4	236.8	22,000	32.5	264.7	19,000	42.1	277.9	16,000				205
210										10.5	216.7	21,200	28.7	256.1	18,200	39.1	271.9	15,300	47.2	279.3	12,500	210
215													24.3	245.8	17,500	35.9	265.3	14,700	44.5	274.4	11,900	215
220													19.1	232.9	16,800	32.5	257.8	14,100	41.7	268.9	11,400	220
225													11.6	214.0	16,100	28.7	249.2	13,500	38.7	262.9	10,900	225
230																24.3	238.9	12,900	35.5	256.2	10,400	230
235																19.1	226.0	12,300	32.0	248.6	9,900	235
240																11.6	207.2	11,800	28.2	239.8	9,400	240
245																			23.7	229.3	9,000	245
250																			18.2	215.9	8,500	250
255																			10.2	195.4	8,100	255

MANITOWOC ENGINEERING CO.

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



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

195 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	61.6	269.6	102,800*b																			55
60	56.7	266.5	97,600*b																			60
65	51.6	262.7	92,900*b																			65
70	46.1	258.2	88,600*	63.7	268.8	103,900*b																70
75	40.0	252.6	84,700*	58.9	266.0	98,900*b																75
80	32.9	245.6	79,100*	54.0	262.5	94,300*b	63.9	267.0	93,200b													80
85	24.0	235.9	72,200*	48.6	258.4	90,100*b	59.2	264.2	86,400b													85
90	8.2	217.3	66,300*	42.8	253.3	85,100	54.2	260.8	80,500b													90
95				36.2	247.0	79,500	48.9	256.7	75,200b													95
100				28.4	238.8	74,600	43.1	251.7	70,500	60.9	260.9	63,700b										100
105				17.3	226.2	70,000	36.6	245.4	66,300	56.1	257.7	60,000b										105
110							28.8	237.3	62,500	50.9	253.9	56,500b										110
115							18.0	225.2	59,000	45.3	249.2	53,500										115
120										39.1	243.5	50,600	57.4	252.9	45,200b							120
125										31.8	236.2	48,000	52.3	249.2	42,900b							125
130										22.5	226.0	45,600	46.9	244.8	40,800							130
135													40.9	239.4	38,800							135
140													34.0	232.6	37,000							140
145													25.4	223.5	35,300	47.8	238.4	31,100				145
150													11.8	207.6	33,600	41.9	233.1	29,700				150
155																35.1	226.6	28,400				155
160																27.0	217.9	27,100	47.9	229.9	23,500	160
165																14.9	204.1	25,900	42.0	224.7	22,500	165
170																			35.3	218.2	21,500	170
175																			27.2	209.6	20,600	175
180																			15.3	196.0	19,600	180

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BOOM NO. 44 WITH 5' TOP
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

195 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	
55	65.4	280.8	99,600*b																			55
60	61.4	278.2	94,700*b																			60
65	57.2	275.1	90,200*b																			65
70	52.7	271.5	86,000*	67.2	279.9	100,600*b																70
75	48.0	267.2	82,200*	63.2	277.5	96,000*b																75
80	42.9	262.2	77,500*	59.1	274.6	91,600*b	67.4	278.1	92,600b													80
85	37.2	256.0	70,900*	54.8	271.3	87,500*	63.4	275.7	85,800b													85
90	30.7	248.3	64,900*	50.2	267.3	83,800*	59.3	272.9	79,900b													90
95	22.4	237.9	59,500*	45.3	262.6	79,100	55.0	269.5	74,600													95
100	7.6	217.9	55,000*	39.9	257.0	74,200	50.4	265.6	70,000													100
105				33.8	250.1	69,800	45.5	260.9	65,800	60.8	269.6	59,300b										105
110				26.4	241.1	65,800	40.2	255.4	62,100	56.6	266.4	55,900b										110
115				16.1	227.6	62,100	34.1	248.5	58,700	52.1	262.7	52,800										115
120							26.8	239.7	55,600	47.3	258.4	50,000										120
125							16.8	226.6	52,700	42.2	253.1	47,500	57.7	261.5	42,200b							125
130										36.4	246.8	45,100	53.4	258.0	40,100							130
135										29.7	238.9	42,900	48.7	253.8	38,200							135
140										21.0	227.8	40,900	43.6	248.9	36,400							140
145													38.1	242.9	34,700							145
150													31.6	235.5	33,100	49.5	247.3	29,000				150
155													23.7	225.5	31,600	44.5	242.5	27,700				155
160													11.0	208.5	30,100	39.0	236.7	26,500				160
165																32.8	229.6	25,300				165
170																25.1	220.2	24,200	44.6	234.1	20,800	170
175																13.9	205.3	23,100	39.1	228.3	19,900	175
180																			32.9	221.2	19,000	180
185																			25.3	211.9	18,200	185
190																			14.2	197.2	17,400	190

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M-250 SERIES 2

FOLD UNDER LUFFING JIB NO. 133A ON
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60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

195 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	68.3	291.8	96,700*b																			55
60	64.8	289.5	92,000*b																			60
65	61.2	286.9	87,700*b																			65
70	57.5	283.8	83,700*	69.8	290.7	97,600*b																70
75	53.6	280.3	80,000*	66.4	288.6	93,200*b																75
80	49.5	276.2	76,000*	62.9	286.2	89,100*b																80
85	45.1	271.4	69,800*	59.2	283.3	85,300*	66.6	286.8	85,300b													85
90	40.3	265.9	64,000*	55.4	280.0	81,700*	63.0	284.4	79,400b													90
95	35.0	259.2	58,800*	51.4	276.1	78,300*	59.4	281.5	74,200													95
100	28.8	250.9	54,100*	47.1	271.7	73,800	55.6	278.2	69,600													100
105	21.0	239.7	49,900*	42.5	266.5	69,500	51.6	274.4	65,400													105
110	7.1	218.4	46,400*	37.5	260.4	65,500	47.3	270.0	61,700	60.7	278.3	55,400										110
115				31.7	252.9	61,900	42.7	264.9	58,300	57.0	275.1	52,400										115
120				24.8	243.3	58,700	37.7	258.8	55,300	53.0	271.5	49,600										120
125				15.1	228.9	54,800*	32.0	251.4	52,500	48.9	267.3	47,000										125
130							25.2	241.9	49,800	44.4	262.5	44,700	58.0	270.2	39,600							130
135							15.8	227.9	47,400	39.6	256.8	42,600	54.1	266.8	37,700							135
140										34.2	249.9	40,600	50.0	262.7	35,900							140
145										27.9	241.3	38,700	45.7	258.1	34,200							145
150										19.7	229.6	36,900	41.0	252.6	32,700							150
155													35.8	246.1	31,300	50.7	256.2	27,200				155
160													29.7	238.1	29,900	46.4	251.7	26,000				160
165													22.3	227.5	28,600	41.8	246.4	24,900				165
170													10.3	209.4	27,300	36.6	240.1	23,800				170
175																30.8	232.3	22,800				175
180																			46.5	243.2	19,400	180
185																23.6	222.2	21,800	41.9	237.9	18,600	185
190																13.0	206.4	20,900	36.8	231.6	17,800	190
195																			30.9	224.0	17,000	195
200																			23.8	213.9	16,300	200
																			13.4	198.3	15,500	200