

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

CAPACITIES FOR VARIOUS BOOM LENGTHS, BOOM ANGLES, LUFFING JIB LENGTHS, AND LUFFING JIB OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 85% 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.

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

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM AND LUFFING JIB POINT SHEAVES, IS CONSIDERED PART OF LUFFING JIB LOAD. BOOM AND LUFFING JIB ARE NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH GANTRY UP AND OUTRIGGERS FULLY SPREAD AND SET. RADII LESS THAN 40' NOT RECOMMENDED WHEN LIFTING OVER FRONT OF MACHINE. DURING OPERATION, BOOM MUST BE MAINTAINED AT ONE OF THE SELECTED ANGLES SHOWN IN CHART. REFER TO LUFFING JIB ASSEMBLY NO. 174043 OR NO. 174310, WIRE ROPE SPECIFICATION CHART NO. 7659-A, AND LUFFING JIB RAISING PROCEDURE CHART NO. 7658-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

MACHINE MAY BE OPERATED WITHIN WIND LIMITS SHOWN IN TABLE PROVIDED CRANE OPERATOR JUDGMENT IS USED TO ALLOW FOR WIND EFFECT ON LIFTED LOAD AND OTHER CONSIDERATIONS NOTED ON CAPACITY CHART ARE FOLLOWED. WIND WILL HAVE A CONSIDERABLE EFFECT ON A LOAD WITH A LARGE 'SAIL AREA' AND MUST BE COMPENSATED FOR ACCORDINGLY BY REDUCING LOAD RATINGS, REDUCING OPERATING SPEEDS OR BY A COMBINATION OF BOTH. RECOMMEND STOPPING OPERATION WHEN WIND IS ABOVE OPERATING CONDITIONS STATED AND LOWERING BOOM AND LUFFING JIB TO GROUND WHEN WIND IS ABOVE 50 MPH. REFER TO MAXIMUM ALLOWABLE WIND CONDITIONS CHART NO. 7676-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 MANITOWOC 16 X 8 CARRIER, 390" WHEELBASE, 102-3/4" FRONT AXLE TRACK, 102-3/4" REAR AXLE TRACK, 14.00 X 25 TIRES, 184-1/2" OUTRIGGERS, 28' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-1/2" BOOM PENDANTS, 10 PART LUFFING JIB HOIST REEVING, TWO 1-1/2" LUFFING JIB PENDANTS AND BACKSTAYS, AND 177,600 LB. COUNTERWEIGHT.

FOR WINDS GREATER THAN 15 MPH, DO NOT OPERATE LUFFING JIB LENGTHS ABOVE THE FOLLOWING LUFFING JIB ANGLES OR LUFFING JIB MAY COME OVER BACKWARDS WITH ONLY THE LOAD BLOCK.	
LUFFING JIB LENGTH - FT.	MAXIMUM LUFFING JIB ANGLE
70 - 120	65 DEGREES
130 - 200	70 DEGREES

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

CONSULT CHART NO. 7660-A FOR LIFTING OFF MAIN BOOM POINT WITH LUFFING JIB ATTACHED.

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LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

80 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
36	69.9	156.9	180,000*b																			36
38	68.1	156.1	174,000*b																			38
40	66.3	155.2	166,800*b																			40
45	61.7	152.6	150,600*b																			45
50	56.9	149.5	132,700*b																			50
55	51.8	145.8	117,400*																			55
60	46.3	141.3	104,200*																			60
65	40.2	135.8	93,500*																			65
70	33.2	128.8	84,700*																			70
75	24.4	119.3	77,200*																			75
80	9.3	101.6	64,800*																			80
85																						85
90																						90
95																						95
100																						100
105																						105
110																						110
115																						115

80 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
36	72.5	167.5	177,500*b																			36
38	71.0	166.8	170,100*b																			38
40	69.4	166.0	163,200*b																			40
45	65.5	163.9	148,000*b																			45
50	61.5	161.3	134,700*	67.2	164.2	153,800*b																50
55	57.3	158.2	118,000*	63.3	161.8	140,200*b	66.6	163.1	151,400*b													55
60	52.9	154.6	104,800*	59.1	158.9	124,800*	62.6	160.7	138,200*b													60
65	48.2	150.4	94,000*	54.8	155.6	110,200*	58.5	157.7	122,700*													65
70	43.1	145.3	85,300*	50.2	151.6	98,400*	54.1	154.3	108,500*	60.2	157.3	129,400*										70
75	37.4	139.2	77,800*	45.3	146.9	89,000*	49.5	150.2	97,100*	55.9	154.1	113,800*										75
80	30.9	131.6	71,400*	40.0	141.3	80,900*	44.6	145.4	87,700*	51.4	150.3	101,400*	57.5	153.0	112,600							80
85	22.7	121.3	65,800*	33.9	134.4	74,000*	39.1	139.7	79,800*	46.6	145.8	91,300*	53.1	149.4	103,900							85
90	8.6	102.3	55,900*	26.5	125.5	68,100*	32.9	132.5	73,100*	41.3	140.4	82,800*	48.4	145.2	94,800*							90
95				16.3	112.1	63,000*	25.3	123.2	67,300*	35.4	133.9	75,700*	43.3	140.2	85,800*	49.9	143.8	87,300				95
100							14.1	108.4	62,300*	28.5	125.6	69,600*	37.7	134.1	78,200*	44.9	139.0	81,600				100
105										19.3	113.8	64,200*	31.2	126.6	71,700*	39.5	133.3	76,500	46.3	136.9	74,400	105
110													23.1	116.4	66,100*	33.4	126.3	72,000	41.0	131.5	70,000	110
115													9.5	98.2	61,200*	25.9	117.2	67,800*	35.1	124.9	66,000	115
120																15.2	103.2	62,700*	28.0	116.5	62,400	120
125																			18.6	104.3	59,000	125

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M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

80 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
36	74.5	178.0	173,000*b																			36
38	73.2	177.4	166,200*b																			38
40	71.8	176.7	159,600*b																			40
45	68.4	174.8	145,000*b																			45
50	64.9	172.6	132,600*	69.9	175.0	150,800*b																50
55	61.3	169.9	118,500*	66.4	172.9	137,800*b																55
60	57.6	166.9	105,200*	62.9	170.4	125,300*	65.9	171.8	136,000*													60
65	53.7	163.4	94,300*	59.2	167.6	110,600*	62.4	169.3	123,200*													65
70	49.6	159.3	85,500*	55.4	164.3	98,800*	58.7	166.4	108,900*													70
75	45.2	154.6	78,000*	51.4	160.5	89,200*	54.8	163.0	97,400*	60.1	166.0	114,300*										75
80	40.5	149.0	71,500*	47.2	156.0	81,100*	50.8	159.1	88,000*	56.4	162.8	101,800*	57.8	161.7	103,500							80
85	35.2	142.4	65,900*	42.6	150.8	74,200*	46.5	154.6	80,000*	52.4	159.1	91,500*	53.9	158.2	95,100*							85
90	29.1	134.2	61,000*	37.5	144.7	68,300*	41.8	149.3	73,300*	48.2	154.8	83,000*	49.8	154.1	86,000*							90
95	21.3	123.1	56,700*	31.8	137.3	63,100*	36.7	143.0	67,500*	43.7	149.8	75,900*	45.4	149.4	78,400*	51.1	152.6	81,200				95
100	8.0	102.9	48,700*	24.9	127.7	58,600*	30.9	135.3	62,400*	38.8	144.0	69,700*	40.7	143.9	71,900*	46.8	148.2	76,100				100
105				15.3	113.4	54,500*	23.7	125.3	57,900*	33.3	136.9	64,400*	35.4	137.3	66,200*	42.2	142.9	71,600	48.0	146.0	69,500	105
110							13.2	109.6	54,000*	26.8	128.0	59,700*	29.3	129.2	61,300*	37.1	136.7	67,600	43.5	141.0	65,600	110
115										18.2	115.4	55,500*	21.7	118.3	57,000*	31.4	129.1	62,900*	38.5	135.0	62,000	115
120													8.9	98.9	53,100*	24.3	119.3	58,400*	33.0	127.9	58,700	120
125																14.3	104.4	54,400*	26.4	118.8	55,700	125
130																			17.5	105.8	52,900	130
135																						135

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M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

80 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	74.9	187.8	157,100*																			38
40	73.7	187.2	153,700*																			40
45	70.7	185.5	141,900*																			45
50	67.6	183.6	130,000*																			50
55	64.4	181.3	118,700*	68.9	183.8	135,100*																55
60	61.2	178.6	105,200*	65.8	181.6	124,300*																60
65	57.9	175.6	94,300*	62.6	179.1	110,700*	65.3	180.5	123,000*													65
70	54.4	172.1	85,400*	59.3	176.2	98,800*	62.1	178.0	109,000*													70
75	50.7	168.2	77,800*	55.9	173.0	89,200*	58.8	175.1	97,400*													75
80	46.9	163.7	71,400*	52.3	169.3	81,000*	55.4	171.7	87,900*	60.1	174.6	101,800*										80
85	42.8	158.5	65,800*	48.6	165.0	74,100*	51.8	168.0	79,900*	56.7	171.5	91,500*										85
90	38.3	152.5	60,900*	44.6	160.2	68,100*	48.0	163.6	73,100*	53.2	167.9	83,000*	58.0	170.4	95,000*							90
95	33.3	145.4	56,600*	40.3	154.5	62,900*	43.9	158.7	67,300*	49.5	163.7	75,700*	54.5	166.9	85,900*							95
100	27.5	136.6	52,700*	35.5	147.9	58,400*	39.6	152.9	62,200*	45.6	159.1	69,500*	50.9	163.0	78,300*							100
105	20.2	124.9	49,300*	30.1	140.0	54,400*	34.7	146.1	57,800*	41.3	153.6	64,200*	47.0	158.6	71,700*	52.0	161.5	75,600				105
110	7.6	103.5	42,700*	23.6	129.8	50,800*	29.2	137.9	53,800*	36.7	147.3	59,500*	42.9	153.4	66,100*	48.3	157.2	71,100				110
115				14.5	114.6	47,500*	22.5	127.2	50,300*	31.5	139.7	55,400*	38.5	147.4	61,200*	44.3	152.3	67,100				115
120							12.5	110.6	47,100*	25.3	130.2	51,700*	33.5	140.4	56,800*	39.9	146.6	62,700*	45.3	150.2	61,500	120
125										17.2	116.8	48,400*	27.7	131.7	53,000*	35.1	139.9	58,200*	41.1	144.8	58,200	125
130													20.5	120.1	49,600*	29.7	131.8	54,200*	36.4	138.4	55,200	130
135													8.4	99.6	46,400*	23.0	121.4	50,600*	31.2	130.7	52,500	135
140																13.5	105.5	47,400*	24.9	121.0	50,000	140
145																			16.6	107.3	47,600	145

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**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

80 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	75.2	197.6	145,700*																			40
45	72.5	196.1	138,300*																			45
50	69.7	194.3	127,100*																			50
55	66.9	192.3	117,300*	70.9	194.5	132,000*																55
60	64.0	189.9	108,300*	68.1	192.5	121,800*																60
65	61.1	187.3	97,000*	65.3	190.3	112,800*	67.7	191.5	120,500*													65
70	58.1	184.3	87,800*	62.4	187.8	101,600*	64.9	189.2	111,800*													70
75	54.9	180.9	79,900*	59.4	184.9	91,600*	61.9	186.7	100,100*													75
80	51.6	177.0	73,200*	56.3	181.7	83,200*	58.9	183.7	90,300*													80
85	48.2	172.7	67,400*	53.1	178.0	76,000*	55.8	180.5	82,000*	60.1	183.3	94,000*										85
90	44.5	167.8	62,400*	49.7	174.0	69,800*	52.6	176.8	75,000*	57.0	180.1	85,200*										90
95	40.7	162.3	58,000*	46.1	169.3	64,500*	49.2	172.6	69,000*	53.9	176.6	77,700*										95
100	36.4	155.8	54,000*	42.4	164.1	59,800*	45.6	167.9	63,800*	50.5	172.6	71,300*	55.0	175.7	80,300*							100
105	31.7	148.2	50,500*	38.3	158.0	55,700*	41.8	162.5	59,200*	47.0	168.1	65,800*	51.7	171.9	73,600*							105
110	26.2	138.9	47,400*	33.8	151.0	52,000*	37.6	156.3	55,100*	43.3	163.1	61,000*	48.3	167.6	67,700*	52.8	170.3	70,600				110
115	19.2	126.6	44,500*	28.6	142.5	48,700*	33.1	149.1	51,500*	39.3	157.2	56,700*	44.7	162.7	62,700*	49.4	166.1	66,500				115
120	7.2	104.1	35,700*	22.5	131.7	45,800*	27.8	140.4	48,300*	34.9	150.5	52,900*	40.8	157.2	58,200*	45.9	161.5	62,900				120
125				13.8	115.8	43,000*	21.4	129.1	45,300*	30.0	142.4	49,600*	36.6	150.8	54,300*	42.1	156.2	59,600	46.8	159.3	57,700	125
130							11.9	111.6	42,700*	24.1	132.3	46,500*	31.9	143.2	50,800*	38.0	150.1	55,500*	43.1	154.2	54,700	130
135										16.3	118.2	43,700*	26.4	134.0	47,600*	33.4	142.9	51,900*	39.1	148.3	52,000	135
140													19.5	121.8	44,700*	28.2	134.3	48,600*	34.7	141.5	49,500	140
145													8.0	100.3	42,100*	21.9	123.3	45,600*	29.7	133.3	47,200	145
150																12.9	106.6	42,900*	23.7	123.1	45,000	150
155																			15.8	108.6	43,000	155

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

80 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.0	206.6	130,000*																			45
50	71.5	205.0	124,200*																			50
55	69.0	203.1	114,900*																			55
60	66.4	201.0	106,600*	70.1	203.3	119,300*																60
65	63.7	198.6	96,700*	67.5	201.3	110,700*																65
70	61.0	195.9	87,300*	64.9	199.0	101,300*	67.1	200.2	109,700*													70
75	58.2	192.9	79,400*	62.2	196.4	91,200*	64.5	197.9	99,800*													75
80	55.3	189.6	72,700*	59.4	193.6	82,700*	61.8	195.3	89,900*													80
85	52.4	185.8	67,000*	56.6	190.4	75,600*	59.0	192.4	81,700*	62.8	194.7	93,700*										85
90	49.3	181.7	62,000*	53.7	186.8	69,500*	56.2	189.2	74,700*	60.1	191.9	84,800*										90
95	46.0	177.0	57,600*	50.6	182.8	64,100*	53.2	185.5	68,600*	57.3	188.8	77,300*										95
100	42.5	171.8	53,600*	47.4	178.4	59,400*	50.1	181.5	63,400*	54.4	185.3	71,000*										100
105	38.8	165.8	50,100*	44.0	173.4	55,300*	46.9	177.0	58,800*	51.4	181.5	65,400*	55.5	184.4	73,200*							105
110	34.8	159.0	47,000*	40.5	167.8	51,600*	43.5	171.9	54,700*	48.2	177.2	60,600*	52.5	180.7	67,400*							110
115	30.3	151.0	44,100*	36.6	161.4	48,300*	39.9	166.2	51,100*	44.9	172.3	56,300*	49.4	176.5	62,300*							115
120	25.0	141.2	41,500*	32.3	153.9	45,300*	35.9	159.6	47,900*	41.4	166.9	52,500*	46.1	171.9	57,800*	50.4	175.0	62,300				120
125	18.4	128.2	39,200*	27.4	145.0	42,600*	31.6	152.0	44,900*	37.6	160.7	49,100*	42.7	166.6	53,900*	47.2	170.5	59,000				125
130	6.9	104.6	31,500*	21.5	133.6	40,200*	26.6	142.7	42,300*	33.4	153.5	46,100*	39.0	160.7	50,300*	43.8	165.5	55,100*	48.0	168.3	54,200	130
135				13.1	116.9	37,900*	20.4	130.9	39,800*	28.7	144.9	43,300*	34.9	153.9	47,200*	40.2	159.8	51,400*	44.7	163.5	51,500	135
140							11.4	112.6	37,600*	23.1	134.3	40,800*	30.4	146.0	44,300*	36.3	153.3	48,200*	41.1	158.0	49,000	140
145										15.6	119.6	38,500*	25.2	136.2	41,700*	31.9	145.8	45,200*	37.3	151.7	46,700	145
150													18.6	123.4	39,300*	27.0	136.7	42,500*	33.1	144.5	44,600	150
155													7.6	100.9	37,100*	20.9	125.1	40,100*	28.4	135.9	42,600	155
160																12.3	107.7	37,800*	22.7	125.1	40,700	160
165																			15.0	109.9	38,400*	165

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

80 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.3	217.0	122,000*																			45
50	73.0	215.5	117,000*																			50
55	70.6	213.8	112,200*																			55
60	68.3	211.9	104,700*																			60
65	65.9	209.7	96,600*	69.3	212.1	108,600*																65
70	63.4	207.3	87,200*	66.9	210.0	101,300*																70
75	60.9	204.6	79,400*	64.5	207.7	91,100*	66.6	209.0	99,800*													75
80	58.4	201.6	72,600*	62.0	205.1	82,600*	64.1	206.6	89,900*													80
85	55.7	198.3	66,900*	59.5	202.2	75,500*	61.6	204.0	81,600*													85
90	53.0	194.6	61,900*	56.9	199.1	69,400*	59.1	201.1	74,600*	62.6	203.4	84,700*										90
95	50.1	190.6	57,400*	54.2	195.6	64,000*	56.5	197.9	68,500*	60.1	200.6	77,300*										95
100	47.2	186.1	53,500*	51.4	191.7	59,300*	53.8	194.3	63,300*	57.5	197.5	70,800*										100
105	44.1	181.1	50,000*	48.5	187.4	55,200*	50.9	190.4	58,700*	54.8	194.1	65,300*										105
110	40.8	175.5	46,800*	45.4	182.6	51,500*	48.0	186.0	54,600*	52.1	190.3	60,400*	55.8	193.1	67,200*							110
115	37.2	169.2	44,000*	42.2	177.3	48,200*	45.0	181.2	51,000*	49.2	186.1	56,200*	53.1	189.4	62,200*							115
120	33.4	162.0	41,400*	38.8	171.3	45,200*	41.7	175.7	47,700*	46.2	181.5	52,400*	50.3	185.4	57,700*							120
125	29.0	153.5	39,000*	35.1	164.5	42,500*	38.2	169.7	44,800*	43.0	176.3	49,000*	47.3	180.9	53,700*	51.2	183.9	58,800				125
130	24.0	143.3	36,800*	31.0	156.7	40,000*	34.5	162.7	42,100*	39.6	170.5	45,900*	44.2	176.0	50,200*	48.2	179.5	55,000*				130
135	17.6	129.7	34,800*	26.3	147.3	37,800*	30.3	154.7	39,700*	36.0	163.9	43,200*	40.9	170.4	47,000*	45.2	174.7	51,300*				135
140	6.6	105.2	28,000*	20.6	135.4	35,700*	25.5	145.0	37,500*	32.0	156.3	40,700*	37.4	164.1	44,200*	42.0	169.4	48,000*	46.0	172.6	48,700	140
145				12.6	118.0	33,800*	19.6	132.6	35,400*	27.5	147.4	38,400*	33.5	157.0	41,600*	38.5	163.4	45,100*	42.8	167.4	46,500	145
150							10.9	113.5	33,500*	22.1	136.3	36,200*	29.2	148.6	39,200*	34.8	156.5	42,400*	39.4	161.6	44,300	150
155										15.0	120.9	34,300*	24.2	138.4	37,000*	30.6	148.5	39,900*	35.8	155.0	42,400	155
160													17.9	125.0	35,000*	25.9	139.0	37,700*	31.8	147.3	40,500	160
165													7.3	101.5	33,100*	20.1	126.9	35,600*	27.2	138.3	38,300*	165
170																11.8	108.7	33,700*	21.8	127.0	36,200*	170
175																			14.4	111.2	34,200*	175

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

80 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.2	226.0	108,600*																			50
55	72.1	224.4	104,300*																			55
60	69.9	222.6	100,200*																			60
65	67.7	220.6	95,400*	70.8	222.7	103,000*																65
70	65.5	218.4	87,500*	68.7	220.8	98,900*																70
75	63.2	216.0	79,500*	66.4	218.7	91,400*																75
80	60.9	213.2	72,700*	64.2	216.4	82,800*	66.1	217.7	90,200*													80
85	58.5	210.3	66,900*	61.9	213.8	75,600*	63.8	215.3	81,800*													85
90	56.0	207.0	61,800*	59.5	210.9	69,300*	61.5	212.6	74,600*													90
95	53.5	203.4	57,300*	57.1	207.7	63,900*	59.1	209.7	68,500*	62.4	212.1	77,400*										95
100	50.9	199.4	53,300*	54.6	204.3	59,200*	56.7	206.5	63,200*	60.1	209.3	70,900*										100
105	48.2	195.1	49,700*	52.0	200.5	55,000*	54.2	203.0	58,500*	57.7	206.2	65,200*										105
110	45.4	190.3	46,600*	49.4	196.3	51,200*	51.6	199.2	54,400*	55.2	202.8	60,300*										110
115	42.4	185.0	43,700*	46.6	191.7	47,900*	49.0	194.9	50,700*	52.7	199.1	56,000*	56.1	201.8	62,100*							115
120	39.2	179.1	41,100*	43.7	186.7	44,900*	46.2	190.3	47,500*	50.0	195.0	52,200*	53.6	198.2	57,500*							120
125	35.8	172.5	38,700*	40.6	181.0	42,200*	43.2	185.1	44,500*	47.3	190.5	48,700*	51.0	194.3	53,500*							125
130	32.1	164.9	36,500*	37.3	174.7	39,700*	40.1	179.4	41,800*	44.4	185.6	45,700*	48.3	189.9	50,000*	51.8	192.7	54,800*				130
135	27.9	156.0	34,500*	33.7	167.6	37,400*	36.8	173.0	39,400*	41.4	180.1	42,900*	45.5	185.2	46,800*	49.2	188.5	51,100*				135
140	23.1	145.3	32,700*	29.8	159.3	35,400*	33.2	165.7	37,100*	38.1	174.0	40,300*	42.5	179.9	43,900*	46.4	183.9	47,800*				140
145	16.9	131.2	30,900*	25.3	149.5	33,500*	29.1	157.3	35,100*	34.6	167.0	38,000*	39.3	174.0	41,300*	43.4	178.8	44,800*	47.1	181.7	45,900	145
150	6.3	105.7	24,900*	19.8	137.1	31,700*	24.5	147.1	33,200*	30.8	159.1	35,900*	35.9	167.4	38,900*	40.3	173.1	42,100*	44.2	176.7	43,800	150
155				12.1	119.0	30,000*	18.9	134.2	31,400*	26.4	149.7	34,000*	32.2	159.8	36,700*	37.0	166.7	39,600*	41.2	171.2	41,800	155
160							10.5	114.4	29,800*	21.3	138.1	32,100*	28.1	151.1	34,700*	33.4	159.5	37,400*	37.9	165.0	40,000	160
165										14.4	122.1	30,500*	23.3	140.4	32,800*	29.5	151.2	35,300*	34.4	158.1	38,000*	165
170													17.2	126.5	31,100*	24.9	141.2	33,400*	30.6	150.1	35,900*	170
175													7.0	102.0	29,500*	19.3	128.6	31,600*	26.2	140.6	33,900*	175
180																11.3	109.6	30,000*	20.9	128.8	32,100*	180
185																			13.9	112.3	30,400*	185

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

80 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.3	236.4	103,900*																			50
55	73.3	234.9	100,300*																			55
60	71.3	233.3	96,600*																			60
65	69.3	231.4	93,200*																			65
70	67.2	229.4	87,700*	70.1	231.6	95,600*																70
75	65.1	227.1	80,300*	68.1	229.6	90,900*																75
80	63.0	224.6	73,400*	66.0	227.4	83,700*	67.8	228.6	90,400*													80
85	60.8	221.9	67,500*	63.9	225.0	76,300*	65.7	226.4	82,600*													85
90	58.6	218.9	62,300*	61.7	222.4	69,900*	63.6	224.0	75,300*													90
95	56.3	215.7	57,800*	59.5	219.6	64,500*	61.4	221.3	69,100*													95
100	54.0	212.1	53,700*	57.3	216.4	59,700*	59.2	218.4	63,700*	62.3	220.7	71,500*										100
105	51.5	208.3	50,100*	55.0	213.0	55,400*	56.9	215.2	59,000*	60.1	217.9	65,800*										105
110	49.0	204.0	46,800*	52.6	209.3	51,600*	54.6	211.8	54,800*	57.8	214.8	60,800*										110
115	46.4	199.4	43,900*	50.1	205.2	48,300*	52.2	208.0	51,100*	55.5	211.5	56,500*										115
120	43.7	194.3	41,200*	47.6	200.8	45,200*	49.8	203.9	47,800*	53.2	207.9	52,600*	56.4	210.5	58,000*							120
125	40.9	188.7	38,800*	44.9	195.9	42,400*	47.2	199.4	44,800*	50.7	203.9	49,100*	54.0	206.9	53,900*							125
130	37.8	182.5	36,500*	42.1	190.5	39,800*	44.5	194.4	42,000*	48.2	199.5	46,000*	51.6	203.1	50,300*							130
135	34.5	175.6	34,400*	39.1	184.6	37,500*	41.7	189.0	39,500*	45.6	194.8	43,100*	49.1	198.9	47,100*	52.4	201.5	51,500*				135
140	31.0	167.6	32,500*	36.0	178.0	35,400*	38.7	182.9	37,200*	42.8	189.5	40,500*	46.5	194.3	44,200*	49.9	197.4	48,100*				140
145	26.9	158.4	30,800*	32.5	170.5	33,400*	35.5	176.2	35,100*	39.9	183.7	38,200*	43.8	189.2	41,500*	47.4	192.9	45,100*				145
150	22.3	147.3	29,100*	28.7	161.9	31,600*	32.0	168.6	33,100*	36.8	177.3	36,000*	41.0	183.6	39,000*	44.7	188.0	42,300*				150
155	16.4	132.6	26,700*	24.4	151.7	29,800*	28.1	159.8	31,300*	33.4	170.1	33,900*	37.9	177.5	36,800*	41.9	182.6	39,800*	45.4	185.9	41,300	155
160	6.1	106.2	20,800*	19.1	138.8	28,200*	23.7	149.2	29,600*	29.7	161.8	32,100*	34.7	170.5	34,700*	38.9	176.6	37,500*	42.6	180.7	39,500	160
165				11.7	120.0	25,900*	18.2	135.8	28,000*	25.5	152.0	30,300*	31.1	162.6	32,800*	35.7	170.0	35,300*	39.7	174.8	37,800	165
170							10.1	115.2	26,000*	20.5	139.9	28,700*	27.1	153.5	31,000*	32.3	162.4	33,400*	36.6	168.4	35,900*	170
175										13.9	123.3	27,100*	22.5	142.4	29,300*	28.4	153.7	31,500*	33.2	161.1	33,900*	175
180													16.6	127.9	27,700*	24.0	143.3	29,800*	29.5	152.7	32,000*	180
185													6.7	102.6	26,100*	18.7	130.2	28,200*	25.2	142.8	30,300*	185
190																10.9	110.6	26,700*	20.2	130.6	28,600*	190
195																			13.4	113.5	27,100*	195

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

80 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.4	245.3	94,100*																			55
60	72.5	243.8	90,900*																			60
65	70.6	242.1	87,700*																			65
70	68.7	240.2	84,700*																			70
75	66.8	238.1	79,800*	69.5	240.4	86,800*																75
80	64.8	235.8	72,900*	67.6	238.4	83,200*																80
85	62.8	233.3	67,000*	65.6	236.1	75,800*	67.3	237.3	82,100*													85
90	60.8	230.6	61,800*	63.7	233.7	69,400*	65.4	235.1	74,800*													90
95	58.7	227.6	57,200*	61.6	231.1	64,000*	63.4	232.6	68,600*													95
100	56.5	224.4	53,200*	59.6	228.2	59,100*	61.3	230.0	63,200*													100
105	54.4	220.9	49,600*	57.5	225.1	54,900*	59.3	227.1	58,500*	62.1	229.4	65,300*										105
110	52.1	217.1	46,400*	55.3	221.7	51,100*	57.1	223.9	54,300*	60.1	226.6	60,300*										110
115	49.8	212.9	43,400*	53.1	218.0	47,700*	55.0	220.5	50,600*	58.0	223.5	55,900*										115
120	47.4	208.5	40,800*	50.8	214.1	44,700*	52.7	216.8	47,300*	55.8	220.2	52,000*										120
125	44.9	203.6	38,300*	48.4	209.7	41,900*	50.4	212.7	44,300*	53.6	216.6	48,600*	56.6	219.2	53,400*							125
130	42.3	198.2	36,100*	46.0	205.0	39,400*	48.1	208.4	41,600*	51.4	212.7	45,400*	54.4	215.7	49,800*							130
135	39.5	192.4	34,000*	43.4	199.9	37,100*	45.6	203.6	39,100*	49.0	208.5	42,600*	52.2	211.9	46,600*							135
140	36.6	185.8	32,100*	40.7	194.3	34,900*	43.0	198.4	36,800*	46.6	203.9	40,100*	49.9	207.8	43,600*	52.9	210.3	47,600*				140
145	33.4	178.6	30,300*	37.8	188.0	33,000*	40.3	192.7	34,700*	44.0	198.8	37,700*	47.5	203.3	41,000*	50.6	206.3	44,500*				145
150	29.9	170.3	28,700*	34.8	181.1	31,100*	37.4	186.3	32,700*	41.4	193.3	35,500*	45.0	198.4	38,600*	48.2	201.9	41,800*				150
155	26.1	160.7	27,200*	31.5	173.3	29,400*	34.3	179.3	30,900*	38.6	187.3	33,500*	42.4	193.1	36,300*	45.8	197.2	39,300*				155
160	21.5	149.1	25,700*	27.8	164.4	27,900*	30.9	171.4	29,200*	35.6	180.5	31,600*	39.6	187.3	34,200*	43.2	192.0	37,000*	46.4	195.0	38,900	160
165	15.8	134.0	23,500*	23.6	153.7	26,400*	27.2	162.2	27,700*	32.3	173.0	29,900*	36.7	180.8	32,300*	40.5	186.3	34,900*	43.9	190.0	37,200	165
170	5.9	106.6	18,200*	18.5	140.4	25,000*	22.9	151.3	26,200*	28.7	164.3	28,300*	33.5	173.5	30,600*	37.6	180.1	32,900*	41.2	184.4	35,500*	170
175				11.3	121.0	22,900*	17.6	137.3	24,800*	24.7	154.2	26,800*	30.1	165.3	28,900*	34.5	173.1	31,100*	38.4	178.3	33,500*	175
180							9.8	116.1	23,100*	19.9	141.7	25,400*	26.2	155.8	27,300*	31.2	165.2	29,400*	35.4	171.6	31,600*	180
185										13.4	124.4	24,000*	21.7	144.3	25,900*	27.5	156.1	27,800*	32.1	163.9	29,900*	185
190													16.1	129.3	24,500*	23.2	145.4	26,400*	28.5	155.2	28,300*	190
195													6.5	103.1	23,100*	18.0	131.8	24,900*	24.4	145.0	26,700*	195
200																10.6	111.4	23,600*	19.5	132.3	25,300*	200
205																			12.9	114.6	23,900*	205

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

80 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.3	255.7	87,400*																			55
60	73.6	254.3	84,500*																			60
65	71.8	252.7	81,600*																			65
70	70.0	250.9	78,800*																			70
75	68.2	249.0	76,200*	70.8	251.0	80,600*																75
80	66.4	246.8	73,100*	69.0	249.2	78,000*																80
85	64.5	244.5	67,300*	67.2	247.1	75,000*																85
90	62.6	242.0	62,000*	65.3	244.8	69,800*	66.9	246.1	74,400*													90
95	60.7	239.2	57,400*	63.4	242.4	64,200*	65.0	243.8	69,000*													95
100	58.7	236.3	53,300*	61.5	239.8	59,300*	63.2	241.3	63,500*													100
105	56.7	233.0	49,700*	59.6	236.9	55,100*	61.2	238.6	58,700*													105
110	54.7	229.6	46,400*	57.6	233.8	51,200*	59.3	235.7	54,500*	62.0	238.1	60,600*										110
115	52.6	225.8	43,400*	55.6	230.4	47,800*	57.3	232.6	50,700*	60.1	235.2	56,100*										115
120	50.4	221.8	40,700*	53.5	226.8	44,700*	55.3	229.2	47,300*	58.1	232.2	52,200*										120
125	48.2	217.4	38,200*	51.4	222.9	41,900*	53.2	225.5	44,300*	56.1	228.9	48,600*										125
130	45.9	212.7	36,000*	49.2	218.7	39,300*	51.0	221.6	41,500*	54.0	225.3	45,500*	56.8	227.9	49,900*							130
135	43.5	207.6	33,900*	46.9	214.1	37,000*	48.8	217.3	39,000*	51.9	221.5	42,600*	54.8	224.4	46,600*							135
140	40.9	202.0	32,000*	44.5	209.2	34,800*	46.5	212.7	36,700*	49.7	217.4	40,000*	52.7	220.7	43,600*							140
145	38.3	195.8	30,200*	42.0	203.8	32,800*	44.1	207.7	34,500*	47.4	212.9	37,600*	50.5	216.6	40,900*							145
150	35.4	189.1	28,600*	39.4	197.9	31,000*	41.6	202.2	32,600*	45.1	208.0	35,400*	48.3	212.3	38,500*	51.2	215.1	41,800*				150
155	32.4	181.5	27,000*	36.7	191.4	29,300*	39.0	196.2	30,800*	42.6	202.8	33,400*	46.0	207.6	36,200*	49.0	210.9	39,300*				155
160	29.0	172.9	25,600*	33.7	184.2	27,700*	36.2	189.6	29,100*	40.1	197.0	31,500*	43.5	202.5	34,100*	46.7	206.3	36,900*				160
165	25.3	163.0	24,200*	30.5	176.0	26,200*	33.2	182.3	27,500*	37.3	190.7	29,800*	41.0	196.9	32,200*	44.3	201.3	34,800*	47.3	204.1	36,900	165
170	20.9	151.0	23,000*	26.9	166.8	24,900*	30.0	174.0	26,100*	34.4	183.6	28,200*	38.4	190.7	30,400*	41.8	195.8	32,800*	45.0	199.2	35,300	170
175	15.3	135.3	20,900*	22.9	155.8	23,500*	26.4	164.5	24,700*	31.3	175.8	26,700*	35.5	184.0	28,800*	39.2	189.9	31,000*	42.5	193.9	33,300*	175
180				17.9	142.0	22,300*	22.2	153.2	23,400*	27.8	166.8	25,200*	32.5	176.5	27,200*	36.4	183.4	29,300*	39.9	188.1	31,500*	180
185				10.9	121.9	20,500*	17.1	138.8	22,100*	23.9	156.3	23,900*	29.1	167.9	25,800*	33.5	176.1	27,700*	37.2	181.7	29,700*	185
190							9.5	116.9	20,600*	19.2	143.4	22,600*	25.4	158.0	24,400*	30.2	167.9	26,200*	34.3	174.7	28,100*	190
195										13.0	125.6	21,400*	21.1	146.1	23,100*	26.6	158.5	24,900*	31.1	166.7	26,600*	195
200													15.6	130.6	21,900*	22.5	147.3	23,500*	27.6	157.7	25,200*	200
205													6.3	103.6	20,700*	17.5	133.3	22,300*	23.7	147.1	23,900*	205
210																10.2	112.3	21,100*	18.9	133.9	22,600*	210
215																			12.5	115.7	21,400*	215

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

80 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.5	264.7	79,400*																			60
65	72.9	263.2	76,800*																			65
70	71.2	261.6	74,300*																			70
75	69.5	259.7	71,300*																			75
80	67.8	257.7	68,200*	70.2	259.8	73,100*																80
85	66.0	255.5	65,200*	68.5	257.9	70,000*																85
90	64.3	253.2	61,500*	66.8	255.8	67,000*																90
95	62.5	250.6	56,900*	65.0	253.5	63,700*	66.5	254.8	66,400*													95
100	60.7	247.9	52,700*	63.3	251.1	58,800*	64.8	252.5	63,000*													100
105	58.8	244.9	49,100*	61.5	248.4	54,500*	63.0	250.0	58,200*													105
110	56.9	241.7	45,900*	59.6	245.5	50,700*	61.2	247.3	53,900*													110
115	55.0	238.3	42,900*	57.7	242.5	47,200*	59.3	244.4	50,200*	61.9	246.7	55,600*										115
120	53.0	234.6	40,200*	55.8	239.1	44,200*	57.5	241.3	46,800*	60.1	243.9	51,600*										120
125	51.0	230.7	37,800*	53.9	235.6	41,400*	55.5	237.9	43,700*	58.2	240.9	48,100*										125
130	48.9	226.4	35,500*	51.9	231.7	38,800*	53.6	234.3	41,000*	56.3	237.6	44,900*										130
135	46.7	221.8	33,400*	49.8	227.6	36,500*	51.6	230.4	38,500*	54.4	234.1	42,100*	57.0	236.5	46,100*							135
140	44.5	216.8	31,500*	47.7	223.1	34,400*	49.5	226.2	36,200*	52.4	230.3	39,500*	55.1	233.1	43,100*							140
145	42.2	211.5	29,800*	45.5	218.3	32,400*	47.3	221.7	34,100*	50.3	226.2	37,100*	53.1	229.4	40,400*							145
150	39.7	205.6	28,100*	43.2	213.1	30,600*	45.1	216.9	32,100*	48.2	221.9	34,900*	51.1	225.5	38,000*							150
155	37.1	199.2	26,600*	40.8	207.5	28,900*	42.8	211.6	30,300*	46.0	217.2	32,900*	49.0	221.2	35,700*	51.7	223.9	38,700*				155
160	34.4	192.2	25,200*	38.3	201.3	27,300*	40.4	205.9	28,600*	43.7	212.1	31,100*	46.8	216.6	33,700*	49.6	219.8	36,400*				160
165	31.4	184.3	23,800*	35.6	194.6	25,800*	37.9	199.7	27,100*	41.4	206.6	29,300*	44.6	211.7	31,700*	47.5	215.3	34,300*				165
170	28.2	175.4	22,600*	32.7	187.1	24,400*	35.2	192.8	25,600*	38.9	200.5	27,700*	42.2	206.3	30,000*	45.3	210.5	32,400*				170
175	24.5	165.1	21,400*	29.6	178.7	23,100*	32.3	185.2	24,200*	36.2	193.9	26,200*	39.8	200.5	28,300*	43.0	205.2	30,500*	45.9	208.3	32,900*	175
180	20.3	152.8	20,200*	26.1	169.1	21,900*	29.1	176.6	23,000*	33.4	186.6	24,800*	37.2	194.1	26,800*	40.6	199.6	28,800*	43.6	203.2	31,000*	180
185	14.9	136.6	18,400*	22.2	157.7	20,700*	25.6	166.8	21,700*	30.4	178.5	23,500*	34.5	187.1	25,300*	38.1	193.4	27,300*	41.2	197.7	29,300*	185
190	5.5	107.5	14,000*	17.4	143.5	19,600*	21.5	155.1	20,600*	27.0	169.2	22,300*	31.5	179.3	24,000*	35.4	186.6	25,800*	38.7	191.6	27,700*	190
195				10.6	122.8	18,000*	16.6	140.3	19,500*	23.2	158.3	21,100*	28.3	170.4	22,700*	32.5	179.0	24,400*	36.1	185.0	26,200*	195
200							9.2	117.6	18,200*	18.7	145.0	20,000*	24.7	160.2	21,500*	29.3	170.5	23,100*	33.3	177.6	24,800*	200
205										12.6	126.7	18,900*	20.4	147.9	20,400*	25.9	160.8	21,900*	30.2	169.4	23,500*	205
210													15.1	131.9	19,300*	21.9	149.3	20,800*	26.8	160.1	22,200*	210
215													6.1	104.1	18,200*	17.0	134.7	19,600*	23.0	149.1	21,100*	215
220																9.9	113.2	18,500*	18.4	135.5	19,900*	220
225																			12.2	116.7	18,800*	225

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
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THE SCOPE OF ANSI B30.5

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

80 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.4	275.1	74,900*																			60
65	73.8	273.7	72,300*																			65
70	72.2	272.1	69,600*																			70
75	70.6	270.4	66,800*																			75
80	69.0	268.5	63,900*																			80
85	67.4	266.5	61,200*	69.7	268.7	65,500*																85
90	65.7	264.3	58,300*	68.1	266.7	62,700*																90
95	64.1	261.9	55,600*	66.4	264.5	60,000*	67.8	265.7	62,100*													95
100	62.4	259.3	52,300*	64.8	262.2	57,200*	66.2	263.5	59,400*													100
105	60.6	256.5	48,600*	63.1	259.8	54,000*	64.5	261.2	56,800*													105
110	58.9	253.6	45,300*	61.4	257.1	50,100*	62.8	258.7	53,400*													110
115	57.1	250.4	42,400*	59.6	254.2	46,800*	61.1	256.0	49,700*													115
120	55.3	247.0	39,700*	57.9	251.1	43,700*	59.4	253.0	46,300*	61.8	255.4	51,100*										120
125	53.4	243.4	37,300*	56.1	247.8	40,900*	57.6	249.9	43,200*	60.1	252.6	47,600*										125
130	51.5	239.5	35,000*	54.2	244.3	38,300*	55.8	246.6	40,500*	58.3	249.5	44,400*										130
135	49.5	235.3	33,000*	52.3	240.5	36,000*	53.9	243.0	38,000*	56.5	246.3	41,600*										135
140	47.5	230.8	31,100*	50.4	236.4	33,900*	52.0	239.2	35,700*	54.7	242.8	39,000*	57.2	245.2	42,600*							140
145	45.4	226.0	29,300*	48.4	232.1	31,900*	50.1	235.1	33,600*	52.8	239.1	36,600*	55.3	241.8	39,900*							145
150	43.2	220.8	27,700*	46.3	227.4	30,100*	48.1	230.7	31,700*	50.9	235.1	34,400*	53.5	238.2	37,500*							150
155	41.0	215.2	26,100*	44.2	222.4	28,400*	46.0	226.0	29,900*	48.9	230.8	32,400*	51.6	234.3	35,200*							155
160	38.6	209.1	24,700*	42.0	217.0	26,800*	43.9	220.9	28,200*	46.8	226.2	30,600*	49.6	230.1	33,200*	52.2	232.7	35,900*				160
165	36.1	202.5	23,400*	39.6	211.1	25,400*	41.6	215.4	26,600*	44.7	221.3	28,900*	47.6	225.7	31,300*	50.2	228.6	33,800*				165
170	33.4	195.2	22,100*	37.2	204.7	24,000*	39.3	209.5	25,200*	42.5	216.0	27,300*	45.5	220.9	29,500*	48.2	224.3	31,900*				170
175	30.5	187.0	20,900*	34.6	197.7	22,700*	36.8	203.0	23,800*	40.2	210.2	25,800*	43.3	215.7	27,900*	46.2	219.6	30,100*				175
180	27.4	177.9	19,800*	31.8	190.0	21,500*	34.2	195.9	22,500*	37.8	204.0	24,400*	41.1	210.1	26,300*	44.0	214.5	28,400*	46.7	217.4	30,500*	180
185	23.9	167.2	18,800*	28.8	181.3	20,300*	31.4	188.0	21,300*	35.2	197.1	23,100*	38.7	204.0	24,900*	41.8	209.1	26,800*	44.6	212.5	28,800*	185
190	19.7	154.5	17,800*	25.4	171.3	19,300*	28.3	179.1	20,200*	32.5	189.6	21,800*	36.2	197.4	23,500*	39.5	203.2	25,300*	42.4	207.1	27,200*	190
195	14.5	137.8	16,100*	21.6	159.6	18,200*	24.9	169.0	19,100*	29.5	181.1	20,700*	33.5	190.1	22,300*	37.0	196.7	24,000*	40.1	201.3	25,700*	195
200	5.3	108.0	12,100*	16.9	145.0	17,200*	20.9	156.9	18,100*	26.3	171.5	19,600*	30.6	182.0	21,100*	34.4	189.7	22,700*	37.7	195.0	24,300*	200
205				10.3	123.7	15,800*	16.1	141.7	17,100*	22.6	160.3	18,500*	27.5	172.9	20,000*	31.6	181.8	21,500*	35.1	188.2	23,000*	205
210							8.9	118.4	15,900*	18.2	146.6	17,500*	24.0	162.3	18,900*	28.5	173.1	20,300*	32.3	180.6	21,800*	210
215										12.3	127.7	16,500*	19.9	149.7	17,900*	25.2	163.0	19,300*	29.4	172.1	20,600*	215
220													14.7	133.2	16,900*	21.3	151.1	18,200*	26.1	162.4	19,500*	220
225													5.9	104.6	15,900*	16.5	136.2	17,200*	22.3	151.1	18,500*	225
230																9.6	114.0	16,300*	17.9	137.1	17,500*	230
235																			11.8	117.7	16,500*	235

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

80 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.6	284.1	67,000*																			65
70	73.1	282.6	64,800*																			70
75	71.6	281.0	62,100*																			75
80	70.1	279.2	59,400*																			80
85	68.6	277.3	56,700*	70.8	279.3	60,700*																85
90	67.0	275.2	54,000*	69.2	277.5	58,100*																90
95	65.4	273.0	51,400*	67.7	275.4	55,400*																95
100	63.9	270.6	48,800*	66.1	273.3	52,800*	67.4	274.4	54,900*													100
105	62.2	268.0	46,300*	64.5	270.9	50,200*	65.9	272.2	52,400*													105
110	60.6	265.2	44,000*	62.9	268.4	47,700*	64.3	269.9	49,900*													110
115	58.9	262.3	41,700*	61.3	265.7	45,300*	62.7	267.3	47,400*													115
120	57.2	259.1	39,100*	59.7	262.9	43,100*	61.1	264.6	45,100*													120
125	55.5	255.7	36,700*	58.0	259.8	40,300*	59.4	261.7	42,700*	61.7	264.0	45,700*										125
130	53.8	252.1	34,500*	56.3	256.5	37,800*	57.7	258.6	39,900*	60.1	261.2	43,500*										130
135	51.9	248.3	32,500*	54.5	253.0	35,500*	56.0	255.3	37,400*	58.4	258.2	41,000*										135
140	50.1	244.2	30,600*	52.7	249.3	33,300*	54.2	251.8	35,100*	56.7	255.0	38,400*	57.3	253.9	39,300*							140
145	48.2	239.8	28,800*	50.9	245.3	31,400*	52.5	248.0	33,000*	54.9	251.5	36,000*	55.6	250.5	36,900*							145
150	46.2	235.1	27,200*	49.0	241.0	29,600*	50.6	244.0	31,100*	53.2	247.9	33,900*	55.6	250.5	36,900*							150
155	44.2	230.1	25,600*	47.1	236.5	27,900*	48.7	239.7	29,300*	51.3	243.9	31,900*	53.8	246.9	34,700*							155
160	42.1	224.7	24,200*	45.1	231.6	26,300*	46.8	235.1	27,700*	49.5	239.7	30,000*	52.0	243.1	32,600*							160
165	39.9	218.8	22,900*	43.0	226.4	24,900*	44.8	230.1	26,100*	47.6	235.3	28,300*	50.2	239.0	30,700*	52.6	241.5	33,300*				165
170	37.6	212.5	21,700*	40.8	220.7	23,500*	42.7	224.8	24,700*	45.6	230.5	26,800*	48.3	234.6	29,000*	50.8	237.5	31,300*				170
175	35.1	205.6	20,500*	38.6	214.6	22,200*	40.5	219.1	23,300*	43.5	225.3	25,300*	46.3	230.0	27,300*	48.9	233.2	29,500*				175
180	32.5	198.1	19,400*	36.2	208.0	21,000*	38.2	213.0	22,100*	41.4	219.8	23,900*	44.3	225.0	25,800*	46.9	228.6	27,900*				180
185	29.7	189.7	18,300*	33.7	200.7	19,900*	35.8	206.2	20,900*	39.1	213.8	22,600*	42.2	219.6	24,400*	44.9	223.7	26,300*	47.4	226.4	28,300*	185
190	26.7	180.2	17,300*	31.0	192.7	18,800*	33.3	198.9	19,700*	36.8	207.3	21,400*	40.0	213.7	23,100*	42.8	218.5	24,900*	45.5	221.6	26,700*	190
195	23.2	169.3	16,400*	28.0	183.8	17,800*	30.5	190.7	18,700*	34.3	200.2	20,200*	37.7	207.5	21,800*	40.7	212.8	23,500*	43.4	216.5	25,200*	195
200	19.2	156.2	15,500*	24.8	173.5	16,800*	27.6	181.6	17,700*	31.7	192.4	19,100*	35.2	200.6	20,600*	38.4	206.7	22,200*	41.2	210.9	23,900*	200
205	14.1	139.0	13,900*	21.0	161.5	15,900*	24.2	171.1	16,700*	28.8	183.7	18,100*	32.6	193.1	19,500*	36.0	200.0	21,000*	39.0	204.9	22,600*	205
210	5.2	108.4	10,200*	16.5	146.4	15,000*	20.4	158.7	15,800*	25.6	173.8	17,100*	29.8	184.7	18,500*	33.5	192.7	19,900*	36.7	198.4	21,300*	210
215				10.1	124.6	13,700*	15.7	143.0	14,900*	22.0	162.3	16,200*	26.8	175.3	17,500*	30.8	184.6	18,800*	34.2	191.2	20,200*	215
220							8.7	119.1	13,800*	17.7	148.1	15,300*	23.4	164.4	16,500*	27.8	175.5	17,800*	31.5	183.4	19,100*	220
225										12.0	128.7	14,400*	19.4	151.4	15,600*	24.5	165.2	16,800*	28.6	174.6	18,100*	225
230													14.3	134.4	14,700*	20.7	152.9	15,900*	25.4	164.6	17,100*	230
235													5.8	105.1	13,800*	16.1	137.6	15,000*	21.8	153.0	16,100*	235
240																9.4	114.8	14,100*	17.4	138.6	15,200*	240
245																			11.5	118.7	14,400*	245

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

90 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	68.4	166.2	175,400*b																			38
40	66.6	165.3	168,500*b																			40
45	62.1	162.8	152,900*b	69.3	165.9	177,800*b																45
50	57.3	159.8	135,100*b	64.8	163.6	161,000*b																50
55	52.2	156.1	118,400*	60.2	160.9	146,800*b	64.6	162.7	159,800*b													55
60	46.7	151.6	105,000*	55.3	157.6	128,100*b	60.0	160.0	145,900*b													60
65	40.7	146.2	94,200*	50.1	153.7	112,800*	55.0	156.7	127,700*	62.6	159.8	152,400b										65
70	33.7	139.4	85,300*	44.4	148.9	100,500*	49.8	152.7	112,500*	57.9	156.8	137,800b										70
75	25.1	130.1	77,700*	38.0	142.9	90,800*	44.1	147.8	100,400*	52.8	153.2	120,700*										75
80	11.1	113.7	69,600*	30.6	135.3	82,400*	37.7	141.9	90,400*	47.4	148.9	107,000*	55.5	152.6	111,600							80
85				20.7	124.4	75,300*	30.2	134.1	82,100*	41.4	143.6	95,800*	50.3	148.7	103,000							85
90							20.1	122.9	75,100*	34.6	136.9	86,700*	44.7	144.0	95,600	52.8	147.5	92,600				90
95										26.3	128.0	78,900*	38.4	138.1	89,000	47.4	143.2	86,200				95
100										13.6	113.4	72,300*	31.0	130.6	82,900*	41.5	137.9	80,600				100
105													21.3	119.9	75,700*	34.7	131.2	75,600	44.0	136.4	73,300	105
110																26.3	122.4	71,100	37.6	130.4	68,900	110
115																13.7	107.8	67,000	30.1	122.6	65,000	115
120																			20.0	111.4	61,400	120

90 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET	
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS		
38	71.2	176.9	171,400*b																			38	
40	69.7	176.2	164,700*b																			40	
45	65.8	174.0	149,800*b																			45	
50	61.8	171.5	136,200*b																			50	
55	57.6	168.4	119,100*	68.2	174.6	157,800*b																55	
				64.2	172.3	144,200*b	68.0	173.7	156,600*b														
60	53.2	164.9	105,600*	60.2	169.6	128,900*	64.1	171.4	143,200*b													60	
65	48.5	160.7	94,700*	55.9	166.4	113,400*	60.0	168.7	128,500*													65	
70	43.5	155.7	85,900*	51.4	162.5	101,100*	55.7	165.4	113,100*	62.3	168.4	137,300b										70	
75	37.9	149.7	78,300*	46.6	158.1	91,200*	51.2	161.6	100,800*	58.1	165.5	121,400*										75	
80	31.4	142.2	71,800*	41.3	152.7	82,800*	46.3	157.0	90,800*	53.8	162.0	107,500*										80	
85	23.4	132.1	66,200*	35.4	146.2	75,600*	41.1	151.6	82,400*	49.1	157.8	96,300*	56.1	161.3	102,500							85	
90	10.3	114.6	60,000*	28.5	137.9	69,500*	35.1	145.0	75,300*	44.1	153.0	87,000*	51.6	157.6	95,100							90	
95				19.3	126.1	64,200*	28.1	136.6	69,300*	38.6	147.1	79,300*	46.8	153.1	88,600							95	
100							18.8	124.6	64,000*	32.3	139.8	72,600*	41.6	147.8	82,800		49.1	152.2	80,100			100	
105										24.5	130.2	66,900*	35.7	141.3	76,000*		44.1	147.3	75,200			105	
110										12.7	114.5	61,900*	28.8	133.1	69,900*		38.6	141.4	70,700			110	
115													19.8	121.6	64,500*		32.3	134.2	66,700		46.3	145.6	68,400
120																	41.0	140.2	64,500		41.0	140.2	64,500
125																	35.1	133.6	61,000		35.1	133.6	61,000
125																	28.0	125.1	57,700		28.0	125.1	57,700
130																	18.6	113.0	54,700		18.6	113.0	54,700

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

90 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
36	74.7	188.1	172,600*b																			36
38	73.4	187.5	167,300*b																			38
40	72.1	186.8	160,900*b																			40
45	68.7	184.9	146,700*b																			45
50	65.2	182.7	134,400*	70.7	185.4	154,500*b																50
55	61.6	180.1	119,600*	67.3	183.4	141,500*b																55
60	57.9	177.1	106,000*	63.8	181.0	129,500*	67.1	182.5	140,700*b													60
65	54.0	173.6	95,000*	60.1	178.2	113,900*	63.6	180.1	129,000*													65
70	49.9	169.6	86,100*	56.4	175.1	101,400*	60.0	177.3	113,500*													70
75	45.5	164.9	78,500*	52.4	171.4	91,500*	56.2	174.1	101,200*	62.0	177.1	121,900*										75
80	40.8	159.4	71,900*	48.2	167.1	83,000*	52.2	170.4	91,100*	58.3	174.1	107,900*										80
85	35.6	152.9	66,300*	43.7	162.1	75,800*	48.0	166.1	82,600*	54.5	170.7	96,600*										85
90	29.5	144.8	61,400*	38.8	156.2	69,600*	43.5	161.1	75,500*	50.4	166.7	87,300*	56.5	170.0	94,600							90
95	22.0	134.1	57,000*	33.3	149.2	64,300*	38.6	155.2	69,400*	46.1	162.2	79,400*	52.6	166.4	88,200							95
100	9.6	115.4	52,200*	26.8	140.2	59,600*	33.0	148.0	64,100*	41.4	156.8	72,800*	48.4	162.1	82,400							100
105				18.1	127.6	55,500*	26.4	139.0	59,400*	36.3	150.4	67,000*	43.9	157.2	76,200*	50.4	161.1	74,700				105
110							17.6	126.1	55,300*	30.3	142.5	62,000*	39.1	151.4	70,000*	46.1	156.5	70,300				110
115										23.0	132.2	57,600*	33.6	144.4	64,600*	41.5	151.1	66,300	48.0	154.6	64,000	115
120										11.9	115.5	53,700*	27.1	135.5	59,900*	36.3	144.7	62,700	43.5	149.6	60,500	120
125													18.6	123.2	55,800*	30.4	136.9	59,400	38.5	143.7	57,400	125
130																23.1	126.6	56,300	33.0	136.5	54,400	130
135																12.0	109.9	53,500	26.4	127.5	51,700	135
140																			17.5	114.5	49,200	140

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

90 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	75.1	197.9	156,700*b																			38
40	73.9	197.3	153,300*b																			40
45	70.9	195.7	143,400*b																			45
50	67.8	193.7	131,800*																			50
55	64.7	191.4	119,700*	69.7	194.2	138,600*b																55
60	61.4	188.8	106,100*	66.6	192.1	127,700*																60
65	58.1	185.8	95,000*	63.4	189.7	114,000*	66.4	191.2	127,200*													65
70	54.6	182.4	86,000*	60.1	186.9	101,500*	63.2	188.8	113,600*													70
75	51.0	178.5	78,300*	56.7	183.7	91,400*	60.0	186.0	101,200*													75
80	47.2	174.0	71,800*	53.2	180.1	82,900*	56.6	182.8	91,000*	61.8	185.8	107,900*										80
85	43.1	168.9	66,100*	49.5	176.0	75,700*	53.0	179.2	82,500*	58.5	182.8	96,600*										85
90	38.6	163.0	61,200*	45.6	171.3	69,500*	49.3	175.0	75,400*	55.1	179.4	87,200*										90
95	33.7	155.9	56,900*	41.3	165.9	64,100*	45.4	170.3	69,200*	51.4	175.6	79,300*	56.9	178.7	87,600							95
100	27.9	147.3	53,000*	36.7	159.6	59,400*	41.1	164.9	63,900*	47.6	171.2	72,600*	53.4	175.2	81,900							100
105	20.8	135.9	49,500*	31.5	152.0	55,300*	36.5	158.5	59,300*	43.6	166.2	66,900*	49.7	171.1	76,100*							105
110	9.1	116.1	45,700*	25.3	142.5	51,600*	31.2	150.8	55,100*	39.2	160.4	61,900*	45.8	166.4	69,900*	51.5	169.9	69,700				110
115				17.2	129.1	48,300*	25.0	141.2	51,500*	34.3	153.5	57,500*	41.5	161.0	64,500*	47.7	165.5	65,800				115
120							16.7	127.5	48,200*	28.7	145.1	53,500*	36.9	154.7	59,700*	43.6	160.5	62,200				120
125										21.8	134.1	50,000*	31.8	147.2	55,600*	39.2	154.7	58,900	45.3	158.9	56,800	125
130										11.2	116.4	46,900*	25.7	137.8	51,900*	34.3	147.8	55,900	41.1	153.4	53,900	130
135													17.6	124.7	48,500*	28.7	139.4	53,100	36.4	147.0	51,200	135
140																21.8	128.5	50,100*	31.2	139.3	48,800	140
145																11.3	110.9	47,000*	24.9	129.7	46,500	145
150																			16.6	115.9	44,300	150

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

90 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	75.4	207.7	145,000*																			40
45	72.7	206.2	138,500*																			45
50	69.9	204.5	128,600*																			50
55	67.1	202.4	119,000*																			55
60	64.3	200.1	109,200*	68.8	202.9	125,000*																60
65	61.3	197.5	97,700*	66.0	200.8	115,900*																65
70	58.3	194.5	88,400*	63.1	198.3	104,400*	65.9	199.9	115,700*													70
75	55.1	191.1	80,400*	60.1	195.6	93,800*	63.0	197.4	104,000*													75
80	51.9	187.3	73,700*	57.0	192.4	85,000*	60.0	194.6	93,500*													80
85	48.4	183.0	67,800*	53.8	188.9	77,600*	56.9	191.5	84,700*	61.7	194.4	99,300*										85
90	44.8	178.2	62,700*	50.5	184.9	71,300*	53.7	187.9	77,400*	58.6	191.5	89,600*										90
95	40.9	172.7	58,300*	47.0	180.4	65,800*	50.4	183.9	71,000*	55.5	188.1	81,400*										95
100	36.7	166.3	54,300*	43.3	175.3	60,900*	46.9	179.4	65,500*	52.3	184.4	74,500*	57.2	187.4	81,300							100
105	32.0	158.8	50,800*	39.3	169.5	56,700*	43.1	174.3	60,700*	48.9	180.2	68,600*	54.0	183.9	76,300							105
110	26.6	149.7	47,600*	34.9	162.7	52,900*	39.1	168.4	56,500*	45.3	175.4	63,400*	50.7	180.0	71,600*							110
115	19.8	137.6	44,700*	30.0	154.7	49,500*	34.7	161.6	52,700*	41.4	170.0	58,900*	47.2	175.5	66,100*	52.3	178.7	65,200				115
120	8.6	116.8	38,400*	24.1	144.6	46,500*	29.7	153.5	49,400*	37.3	163.8	54,800*	43.5	170.4	61,200*	48.9	174.5	61,600				120
125				16.3	130.5	43,700*	23.8	143.3	46,300*	32.6	156.4	51,300*	39.5	164.6	56,900*	45.3	169.7	58,400				125
130							15.9	128.9	43,600*	27.3	147.5	48,000*	35.1	157.9	53,100*	41.4	164.3	55,400	46.8	168.0	53,400	130
135										20.7	135.9	45,100*	30.2	149.9	49,700*	37.3	158.1	52,700	43.1	162.9	50,700	135
140										10.7	117.3	42,500*	24.4	140.0	46,700*	32.7	150.8	50,100	39.1	157.0	48,300	140
145													16.8	126.2	43,900*	27.3	141.9	47,800	34.7	150.2	46,000	145
150																20.8	130.3	45,200*	29.7	142.0	43,900	150
155																10.8	111.8	42,500*	23.7	131.7	41,900	155
160																			15.8	117.3	40,000	160

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

90 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.2	216.7	129,400*																			45
50	71.7	215.1	124,000*																			50
55	69.1	213.3	116,500*																			55
60	66.5	211.2	108,400*	70.7	213.7	122,200*																60
65	63.9	208.8	97,400*	68.1	211.7	113,700*																65
70	61.2	206.1	87,900*	65.5	209.5	104,100*	68.0	210.8	113,400*													70
75	58.4	203.1	80,000*	62.8	207.0	93,500*	65.4	208.6	103,700*													75
80	55.5	199.8	73,200*	60.1	204.2	84,600*	62.7	206.1	93,200*													80
85	52.6	196.1	67,400*	57.3	201.1	77,300*	60.0	203.3	84,400*													85
90	49.5	192.0	62,300*	54.4	197.6	70,900*	57.2	200.2	77,000*	61.5	203.1	89,200*										90
95	46.2	187.3	57,900*	51.4	193.8	65,400*	54.2	196.7	70,600*	58.8	200.1	81,100*										95
100	42.8	182.1	53,900*	48.2	189.4	60,500*	51.2	192.8	65,100*	55.9	196.9	74,100*										100
105	39.1	176.3	50,400*	44.9	184.6	56,300*	48.1	188.5	60,300*	52.9	193.2	68,200*	57.4	196.1	75,700							105
110	35.1	169.5	47,200*	41.4	179.2	52,500*	44.7	183.6	56,100*	49.9	189.1	63,000*	54.5	192.6	71,200							110
115	30.6	161.6	44,300*	37.5	172.9	49,100*	41.2	178.1	52,300*	46.6	184.6	58,500*	51.5	188.8	65,700*							115
120	25.4	151.9	41,700*	33.4	165.8	46,000*	37.4	171.8	49,000*	43.2	179.4	54,400*	48.4	184.5	60,800*	53.0	187.5	61,100				120
125	18.9	139.2	39,300*	28.6	157.2	43,300*	33.2	164.6	45,900*	39.6	173.6	50,800*	45.0	179.7	56,500*	49.9	183.4	57,800				125
130	8.2	117.5	33,900*	23.0	146.6	40,800*	28.4	156.0	43,200*	35.6	167.0	47,600*	41.5	174.3	52,700*	46.7	178.9	54,800				130
135				15.6	131.8	38,400*	22.7	145.3	40,700*	31.2	159.2	44,700*	37.7	168.1	49,300*	43.2	173.7	52,100	48.0	177.0	50,100	135
140							15.1	130.2	38,400*	26.1	149.8	42,100*	33.6	161.0	46,200*	39.6	168.0	49,600	44.7	172.1	47,700	140
145										19.8	137.7	39,700*	28.9	152.5	43,500*	35.6	161.3	47,300	41.1	166.6	45,400	145
150										10.2	118.2	37,400*	23.3	142.0	40,900*	31.2	153.6	44,800*	37.3	160.4	43,400	150
155													16.0	127.5	38,600*	26.1	144.2	42,100*	33.1	153.1	41,400	155
160																19.9	132.0	39,700*	28.4	144.5	39,600	160
165																10.3	112.6	37,500*	22.7	133.7	37,900	165
170																			15.0	118.6	36,200	170

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

90 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.4	227.1	120,000*																			45
50	73.1	225.6	115,300*																			50
55	70.8	223.9	110,600*																			55
60	68.5	222.0	105,800*																			60
65	66.1	219.9	98,200*	69.9	222.5	110,200*																65
70	63.6	217.5	88,500*	67.5	220.5	103,700*																70
75	61.1	214.8	80,400*	65.1	218.2	94,200*	67.4	219.6	103,900*													75
80	58.5	211.8	73,600*	62.6	215.7	85,200*	65.0	217.3	93,900*													80
85	55.9	208.5	67,700*	60.1	212.9	77,700*	62.5	214.8	84,900*													85
90	53.2	204.9	62,600*	57.5	209.8	71,200*	60.0	212.0	77,400*													90
95	50.3	200.9	58,000*	54.8	206.4	65,600*	57.4	208.9	71,000*	61.4	211.7	81,600*										95
100	47.4	196.4	54,000*	52.1	202.6	60,700*	54.7	205.4	65,400*	58.9	208.8	74,500*										100
105	44.3	191.5	50,400*	49.2	198.4	56,400*	51.9	201.6	60,500*	56.2	205.5	68,500*										105
110	41.0	185.9	47,200*	46.2	193.8	52,600*	49.1	197.4	56,200*	53.5	202.0	63,200*	57.6	204.8	70,900							110
115	37.5	179.7	44,300*	43.0	188.6	49,200*	46.0	192.7	52,400*	50.7	198.0	58,600*	55.0	201.4	66,000*							115
120	33.6	172.5	41,700*	39.6	182.8	46,100*	42.9	187.5	49,000*	47.8	193.6	54,600*	52.2	197.6	61,000*							120
125	29.3	164.2	39,300*	36.0	176.2	43,300*	39.5	181.7	46,000*	44.7	188.7	50,900*	49.3	193.4	56,700*							125
130	24.4	154.1	37,100*	32.0	168.6	40,800*	35.8	175.1	43,200*	41.4	183.2	47,700*	46.3	188.8	52,800*	50.7	192.3	54,600				130
135	18.1	140.8	35,100*	27.5	159.7	38,500*	31.8	167.5	40,700*	37.9	177.1	44,800*	43.2	183.7	49,400*	47.8	187.9	51,900				135
140	7.9	118.1	30,300*	22.1	148.6	36,300*	27.2	158.4	38,400*	34.1	170.1	42,100*	39.8	177.9	46,300*	44.7	183.0	49,400				140
145				14.9	133.1	34,400*	21.8	147.2	36,300*	29.9	161.9	39,700*	36.2	171.4	43,500*	41.4	177.6	47,000	46.0	181.3	45,200	145
150							14.5	131.4	34,300*	25.0	152.0	37,500*	32.2	163.8	41,000*	38.0	171.4	44,800*	42.8	176.1	43,100	150
155										19.0	139.3	35,400*	27.7	155.0	38,600*	34.2	164.4	42,200*	39.4	170.2	41,200	155
160										9.8	119.0	33,500*	22.4	144.0	36,500*	29.9	156.2	39,700*	35.8	163.6	39,400	160
165													15.4	128.9	34,500*	25.1	146.4	37,500*	31.8	156.0	37,700	165
170																19.0	133.7	35,500*	27.2	146.9	36,100	170
175																9.8	113.4	33,600*	21.8	135.6	34,600	175
180																			14.4	119.8	33,200	180

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

90 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.4	236.1	108,100*																			50
55	72.2	234.5	104,000*																			55
60	70.1	232.8	100,000*																			60
65	67.9	230.8	96,200*																			65
70	65.6	228.6	88,100*	69.2	231.3	99,700*																70
75	63.4	226.1	80,000*	67.0	229.2	93,800*																75
80	61.0	223.4	73,100*	64.7	226.9	84,800*	66.9	228.3	93,500*													80
85	58.6	220.5	67,300*	62.4	224.3	77,300*	64.6	226.0	84,500*													85
90	56.2	217.2	62,100*	60.1	221.5	70,800*	62.3	223.4	77,000*													90
95	53.7	213.6	57,600*	57.7	218.5	65,200*	60.0	220.6	70,500*													95
100	51.1	209.7	53,600*	55.2	215.1	60,300*	57.6	217.5	65,000*	61.3	220.4	74,100*										100
105	48.4	205.4	50,000*	52.7	211.4	56,000*	55.1	214.1	60,100*	58.9	217.5	68,100*										105
110	45.6	200.6	46,800*	50.0	207.3	52,100*	52.5	210.4	55,800*	56.5	214.2	62,800*										110
115	42.6	195.4	43,900*	47.3	202.8	48,700*	49.9	206.3	52,000*	54.0	210.7	58,200*	57.8	213.4	65,500*							115
120	39.4	189.5	41,200*	44.4	197.9	45,600*	47.1	201.8	48,600*	51.4	206.8	54,100*	55.3	210.1	60,600*							120
125	36.1	182.9	38,900*	41.4	192.4	42,800*	44.3	196.8	45,500*	48.7	202.6	50,500*	52.8	206.4	56,200*							125
130	32.4	175.4	36,700*	38.1	186.3	40,300*	41.2	191.3	42,700*	45.9	197.9	47,200*	50.2	202.3	52,400*							130
135	28.2	166.7	34,600*	34.6	179.3	38,000*	38.0	185.2	40,200*	43.0	192.7	44,300*	47.4	197.9	48,900*	51.4	201.1	51,300				135
140	23.5	156.1	32,800*	30.8	171.4	35,900*	34.5	178.2	37,900*	39.8	186.9	41,600*	44.5	192.9	45,800*	48.7	196.9	48,800				140
145	17.4	142.3	31,100*	26.4	162.0	33,900*	30.6	170.2	35,800*	36.5	180.4	39,200*	41.5	187.5	43,000*	45.9	192.2	46,500				145
150	7.6	118.8	26,900*	21.3	150.4	32,100*	26.2	160.7	33,800*	32.8	173.0	37,000*	38.3	181.4	40,500*	43.0	187.0	44,400*	47.1	190.4	42,500	150
155				14.4	134.4	30,400*	21.0	149.0	32,000*	28.8	164.5	35,000*	34.8	174.5	38,200*	39.9	181.2	41,700*	44.2	185.4	40,600	155
160							14.0	132.6	30,400*	24.1	154.2	33,100*	31.0	166.6	36,000*	36.5	174.7	39,300*	41.2	179.9	38,800	160
165										18.3	140.9	31,300*	26.7	157.3	34,100*	32.9	167.4	37,100*	37.9	173.7	37,200	165
170										9.4	119.8	29,700*	21.5	145.9	32,300*	28.8	158.8	35,000*	34.4	166.7	35,600	170
175													14.8	130.1	30,600*	24.1	148.5	33,100*	30.6	158.7	34,100	175
180																18.3	135.3	31,400*	26.2	149.2	32,700	180
185																9.5	114.2	29,700*	20.9	137.5	31,400	185
190																			13.9	121.0	30,100	190

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

90 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.4	246.4	103,300*																			50
55	73.5	245.0	99,700*																			55
60	71.4	243.4	96,300*																			60
65	69.4	241.6	93,000*																			65
70	67.4	239.5	89,100*	70.6	241.9	95,800*																70
75	65.3	237.3	80,800*	68.6	240.0	92,700*																75
80	63.1	234.8	73,800*	66.5	237.9	85,700*																80
85	61.0	232.1	67,900*	64.4	235.6	78,000*	66.4	237.0	85,400*													85
90	58.7	229.1	62,700*	62.3	233.0	71,400*	64.3	234.7	77,700*													90
95	56.5	225.9	58,100*	60.1	230.2	65,800*	62.2	232.1	71,200*													95
100	54.1	222.4	54,000*	57.8	227.1	60,800*	60.0	229.3	65,500*													100
105	51.7	218.5	50,400*	55.5	223.8	56,400*	57.7	226.2	60,600*	61.2	229.1	68,700*										105
110	49.2	214.3	47,100*	53.2	220.1	52,500*	55.4	222.8	56,200*	59.0	226.1	63,300*										110
115	46.6	209.7	44,200*	50.7	216.2	49,100*	53.1	219.2	52,400*	56.7	222.9	58,700*										115
120	43.9	204.7	41,500*	48.2	211.8	45,900*	50.6	215.2	48,900*	54.4	219.4	54,500*	57.9	222.1	61,100*							120
125	41.1	199.1	39,100*	45.6	207.0	43,100*	48.1	210.8	45,800*	52.0	215.6	50,900*	55.7	218.8	56,700*							125
130	38.0	193.0	36,900*	42.8	201.8	40,600*	45.4	206.0	43,000*	49.5	211.5	47,600*	53.3	215.2	52,800*							130
135	34.8	186.1	34,800*	39.9	196.0	38,200*	42.7	200.8	40,500*	47.0	206.9	44,600*	50.9	211.2	49,300*							135
140	31.2	178.2	32,900*	36.8	189.6	36,100*	39.7	195.0	38,100*	44.3	202.0	41,900*	48.3	206.9	46,100*	52.0	209.9	48,300				140
145	27.2	169.1	31,100*	33.4	182.3	34,100*	36.6	188.5	36,000*	41.4	196.5	39,400*	45.7	202.1	43,300*	49.5	205.8	46,000				145
150	22.6	158.1	29,400*	29.7	174.0	32,300*	33.2	181.2	34,000*	38.4	190.4	37,200*	42.9	196.9	40,700*	47.0	201.2	43,800				150
155	16.8	143.8	27,300*	25.5	164.3	30,500*	29.5	172.8	32,200*	35.2	183.6	35,100*	40.0	191.1	38,400*	44.3	196.3	41,900				155
160	7.3	119.4	22,600*	20.5	152.2	28,900*	25.3	163.0	30,500*	31.7	175.9	33,200*	36.9	184.7	36,200*	41.4	190.8	39,500*	45.4	194.6	38,300	160
165				13.9	135.6	27,200*	20.3	150.8	28,800*	27.8	166.9	31,500*	33.6	177.5	34,200*	38.4	184.7	37,200*	42.6	189.3	36,600	165
170							13.5	133.8	27,200*	23.2	156.2	29,800*	29.9	169.3	32,400*	35.2	177.9	35,200*	39.7	183.5	35,100	170
175										17.6	142.4	28,200*	25.7	159.6	30,700*	31.7	170.2	33,300*	36.6	177.0	33,600	175
180										9.0	120.5	26,600*	20.8	147.7	29,100*	27.8	161.3	31,500*	33.2	169.7	32,200	180
185													14.3	131.4	27,500*	23.3	150.6	29,900*	29.5	161.3	30,900	185
190																17.7	136.8	28,300*	25.2	151.5	29,700	190
195																9.1	115.0	26,700*	20.2	139.2	28,500	195
200																			13.4	122.2	27,400	200

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

90 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.5	255.4	93,600*																			55
60	72.6	253.9	90,500*																			60
65	70.8	252.2	87,400*																			65
70	68.8	250.3	84,500*																			70
75	66.9	248.3	80,300*	70.0	250.8	87,000*																75
80	64.9	246.0	73,300*	68.1	248.8	84,300*																80
85	62.9	243.5	67,400*	66.1	246.6	77,500*	68.0	247.9	83,800*													85
90	60.9	240.8	62,100*	64.1	244.3	70,900*	66.0	245.7	77,200*													90
95	58.8	237.8	57,500*	62.1	241.7	65,200*	64.1	243.4	70,700*													95
100	56.7	234.6	53,500*	60.1	238.9	60,300*	62.0	240.8	65,000*													100
105	54.5	231.1	49,800*	58.0	235.8	55,900*	60.0	237.9	60,100*													105
110	52.3	227.3	46,600*	55.8	232.5	52,000*	57.9	234.9	55,700*	61.1	237.7	62,800*										110
115	49.9	223.2	43,600*	53.6	228.9	48,500*	55.7	231.5	51,800*	59.1	234.8	58,100*										115
120	47.5	218.8	41,000*	51.4	225.0	45,400*	53.5	227.9	48,400*	57.0	231.6	54,000*										120
125	45.1	213.9	38,600*	49.0	220.8	42,600*	51.2	224.0	45,300*	54.8	228.2	50,300*										125
130	42.4	208.6	36,300*	46.6	216.1	40,000*	48.9	219.8	42,500*	52.5	224.4	47,000*	55.9	227.5	52,200*							130
135	39.7	202.8	34,300*	44.0	211.1	37,700*	46.5	215.1	39,900*	50.2	220.4	44,100*	53.7	223.9	48,700*							135
140	36.8	196.3	32,400*	41.4	205.6	35,500*	43.9	210.1	37,600*	47.8	216.0	41,400*	51.5	220.0	45,600*							140
145	33.6	189.1	30,700*	38.6	199.5	33,600*	41.2	204.6	35,500*	45.4	211.1	38,900*	49.1	215.8	42,800*	52.6	218.7	45,400				145
150	30.2	180.9	29,000*	35.5	192.8	31,800*	38.4	198.5	33,500*	42.8	205.9	36,700*	46.7	211.2	40,200*	50.2	214.7	43,300				150
155	26.4	171.4	27,500*	32.3	185.2	30,100*	35.4	191.7	31,700*	40.0	200.1	34,600*	44.2	206.2	37,800*	47.9	210.3	41,300				155
160	21.9	160.0	26,000*	28.7	176.6	28,500*	32.1	184.1	30,000*	37.1	193.8	32,700*	41.5	200.7	35,700*	45.4	205.5	39,000*				160
165	16.3	145.2	24,100*	24.7	166.5	27,000*	28.5	175.4	28,400*	34.0	186.7	31,000*	38.7	194.7	33,700*	42.8	200.2	36,700*	46.4	203.7	36,100	165
170	7.1	120.0	19,900*	19.8	153.9	25,500*	24.5	165.1	26,900*	30.6	178.6	29,300*	35.7	188.0	31,900*	40.1	194.5	34,700*	43.9	198.6	34,500	170
175				13.4	136.7	24,100*	19.6	152.5	25,500*	26.8	169.3	27,800*	32.5	180.5	30,200*	37.2	188.1	32,800*	41.2	193.1	33,100	175
180							13.0	134.9	24,100*	22.5	158.2	26,300*	28.9	171.9	28,600*	34.0	181.0	31,000*	38.4	187.0	31,700	180
185										17.1	143.9	24,900*	24.9	161.8	27,200*	30.7	172.9	29,400*	35.4	180.2	30,400	185
190										8.7	121.3	23,500*	20.1	149.5	25,700*	26.9	163.7	27,900*	32.1	172.6	29,200	190
195													13.8	132.6	24,300*	22.5	152.5	26,400*	28.5	163.9	28,000	195
200																17.1	138.3	25,000*	24.4	153.6	26,900	200
205																8.8	115.7	23,600*	19.5	141.0	25,600*	205
210																			12.9	123.3	24,200*	210

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

90 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.5	265.8	86,800*																			55
60	73.7	264.4	84,000*																			60
65	71.9	262.8	81,300*																			65
70	70.1	261.0	78,600*																			70
75	68.3	259.1	76,000*																			75
80	66.5	257.0	73,100*	69.4	259.5	78,300*																80
85	64.7	254.7	67,700*	67.6	257.5	75,500*																85
90	62.8	252.1	62,400*	65.8	255.3	71,300*	67.5	256.7	75,100*													90
95	60.8	249.4	57,700*	63.9	252.9	65,500*	65.7	254.4	71,100*													95
100	58.9	246.5	53,600*	62.0	250.3	60,500*	63.8	252.0	65,400*													100
105	56.9	243.3	49,900*	60.1	247.5	56,100*	61.9	249.4	60,300*													105
110	54.8	239.8	46,600*	58.1	244.5	52,100*	60.0	246.6	55,900*	63.0	249.1	63,100*										110
115	52.7	236.1	43,600*	56.1	241.2	48,600*	58.0	243.5	52,000*	61.1	246.4	58,400*										115
120	50.6	232.1	41,000*	54.0	237.6	45,400*	56.0	240.2	48,500*	59.1	243.5	54,200*										120
125	48.3	227.8	38,500*	51.9	233.8	42,600*	53.9	236.7	45,300*	57.1	240.3	50,400*										125
130	46.0	223.0	36,300*	49.7	229.7	40,000*	51.8	232.8	42,500*	55.1	236.9	47,100*										130
135	43.6	217.9	34,200*	47.4	225.2	37,600*	49.6	228.7	39,900*	53.0	233.2	44,100*	56.2	236.2	48,800*							135
140	41.1	212.4	32,300*	45.1	220.3	35,400*	47.3	224.2	37,500*	50.8	229.2	41,300*	54.1	232.6	45,600*							140
145	38.4	206.3	30,600*	42.6	215.0	33,400*	45.0	219.3	35,400*	48.6	224.9	38,800*	52.0	228.8	42,800*							145
150	35.6	199.5	28,900*	40.1	209.3	31,600*	42.5	214.0	33,400*	46.3	220.3	36,600*	49.8	224.7	40,200*	53.0	227.5	43,000				150
155	32.6	192.0	27,400*	37.3	202.9	29,900*	39.9	208.2	31,500*	43.9	215.2	34,500*	47.5	220.2	37,800*	50.9	223.5	41,000				155
160	29.3	183.5	25,900*	34.4	195.9	28,300*	37.2	201.8	29,800*	41.4	209.7	32,600*	45.2	215.4	35,600*	48.6	219.2	38,900*				160
165	25.5	173.7	24,500*	31.3	188.0	26,800*	34.3	194.8	28,300*	38.8	203.7	30,800*	42.8	210.1	33,600*	46.3	214.6	36,600*				165
170	21.2	161.9	23,200*	27.8	179.1	25,400*	31.1	186.9	26,800*	36.0	197.0	29,200*	40.2	204.4	31,700*	43.9	209.5	34,500*	47.3	212.7	34,200	170
175	15.8	146.6	21,500*	23.9	168.6	24,100*	27.7	177.8	25,400*	33.0	189.6	27,600*	37.5	198.1	30,000*	41.4	204.0	32,600*	45.0	207.9	32,700	175
180	6.8	120.5	17,700*	19.2	155.6	22,800*	23.7	167.2	24,100*	29.7	181.3	26,200*	34.6	191.1	28,500*	38.8	198.0	30,900*	42.5	202.6	31,400	180
185				13.0	137.8	21,600*	19.0	154.2	22,800*	26.0	171.6	24,900*	31.5	183.3	27,000*	36.0	191.3	29,200*	39.9	196.8	30,100	185
190							12.6	136.0	21,500*	21.8	160.1	23,500*	28.0	174.4	25,600*	33.0	183.9	27,700*	37.2	190.4	28,900	190
195										16.5	145.4	22,300*	24.1	163.9	24,300*	29.7	175.6	26,300*	34.3	183.3	27,700	195
200										8.5	122.0	21,000*	19.5	151.2	23,000*	26.0	166.0	24,900*	31.1	175.4	26,600	200
205													13.4	133.7	21,800*	21.8	154.5	23,600*	27.6	166.3	25,500*	205
210																16.6	139.7	22,400*	23.7	155.7	24,200*	210
215																8.5	116.5	21,100*	18.9	142.6	22,900*	215
220																			12.5	124.3	21,700*	220

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

90 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.6	274.8	79,000*																			60
65	73.0	273.3	76,500*																			65
70	71.3	271.7	74,000*																			70
75	69.6	269.9	71,300*																			75
80	67.9	267.9	68,200*	70.6	270.2	73,500*																80
85	66.2	265.7	65,300*	68.9	268.3	70,400*																85
90	64.4	263.4	61,800*	67.2	266.3	67,500*																90
95	62.6	260.8	57,200*	65.5	264.0	64,700*	67.1	265.4	67,200*													95
100	60.8	258.1	53,000*	63.7	261.6	59,900*	65.4	263.2	64,800*													100
105	59.0	255.1	49,400*	61.9	259.0	55,500*	63.6	260.7	59,800*													105
110	57.1	252.0	46,100*	60.1	256.2	51,500*	61.8	258.1	55,400*													110
115	55.1	248.5	43,100*	58.2	253.2	48,100*	60.0	255.3	51,400*	62.8	257.8	57,800*										115
120	53.2	244.9	40,400*	56.3	249.9	44,900*	58.1	252.2	47,900*	61.0	255.0	53,600*										120
125	51.1	240.9	38,000*	54.4	246.4	42,000*	56.2	248.9	44,800*	59.2	252.1	49,900*										125
130	49.0	236.7	35,700*	52.4	242.6	39,400*	54.3	245.4	41,900*	57.3	249.0	46,500*										130
135	46.9	232.1	33,700*	50.3	238.5	37,100*	52.3	241.6	39,300*	55.4	245.6	43,500*										135
140	44.7	227.2	31,800*	48.2	234.2	34,900*	50.2	237.6	37,000*	53.4	242.0	40,800*	56.4	244.9	45,100*							140
145	42.3	221.8	30,000*	46.0	229.5	32,900*	48.1	233.2	34,800*	51.4	238.0	38,300*	54.5	241.4	42,200*							145
150	39.9	216.0	28,400*	43.7	224.4	31,100*	45.9	228.4	32,800*	49.3	233.8	36,000*	52.5	237.6	39,600*							150
155	37.3	209.7	26,900*	41.4	218.8	29,400*	43.6	223.3	31,000*	47.2	229.3	34,000*	50.4	233.6	37,200*							155
160	34.6	202.7	25,500*	38.9	212.8	27,800*	41.3	217.8	29,300*	44.9	224.4	32,000*	48.3	229.2	35,100*	51.4	232.4	38,400*				160
165	31.6	194.9	24,100*	36.2	206.2	26,300*	38.8	211.7	27,700*	42.6	219.1	30,300*	46.1	224.5	33,100*	49.3	228.2	36,100*				165
170	28.4	186.1	22,800*	33.4	198.9	25,000*	36.1	205.1	26,300*	40.2	213.4	28,600*	43.9	219.4	31,200*	47.2	223.6	34,000*				170
175	24.8	175.9	21,600*	30.4	190.8	23,700*	33.3	197.8	24,900*	37.6	207.1	27,100*	41.5	213.9	29,500*	44.9	218.7	32,100*				175
180	20.6	163.7	20,500*	27.0	181.5	22,400*	30.2	189.6	23,600*	34.9	200.2	25,700*	39.0	207.9	27,900*	42.6	213.4	30,300*	45.9	217.0	30,800	180
185	15.3	147.9	18,900*	23.2	170.6	21,200*	26.9	180.2	22,400*	32.0	192.5	24,400*	36.4	201.4	26,400*	40.2	207.7	28,700*	43.6	211.9	29,500	185
190	6.6	121.1	15,500*	18.7	157.3	20,100*	23.0	169.3	21,200*	28.8	183.8	23,100*	33.6	194.1	25,100*	37.7	201.4	27,200*	41.2	206.3	28,300	190
195				12.6	138.9	19,000*	18.4	155.8	20,100*	25.3	173.9	21,900*	30.5	186.0	23,800*	34.9	194.5	25,700*	38.7	200.3	27,200	195
200							12.3	137.0	19,000*	21.2	162.0	20,800*	27.2	176.8	22,600*	32.0	186.8	24,400*	36.1	193.6	26,100	200
205										16.1	146.7	19,600*	23.4	166.0	21,400*	28.8	178.2	23,200*	33.3	186.3	25,000*	205
210										8.2	122.7	18,500*	18.9	152.8	20,300*	25.3	168.2	22,000*	30.2	178.1	23,700*	210
215													13.0	134.8	19,200*	21.2	156.3	20,800*	26.8	168.7	22,500*	215
220																16.1	141.1	19,700*	23.0	157.7	21,300*	220
225																8.3	117.2	18,600*	18.4	144.2	20,200*	225
230																			12.2	125.4	19,100*	230

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
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M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

90 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.5	285.2	74,200*																			60
65	73.9	283.8	72,000*																			65
70	72.3	282.2	69,400*																			70
75	70.7	280.5	66,700*																			75
80	69.1	278.6	63,900*																			80
85	67.5	276.6	61,200*	70.1	279.0	65,800*																85
90	65.8	274.4	58,500*	68.5	277.1	63,200*																90
95	64.2	272.0	55,800*	66.8	275.0	60,500*																95
100	62.5	269.5	52,500*	65.2	272.7	57,800*	66.8	274.1	60,200*													100
105	60.8	266.7	48,800*	63.5	270.3	55,000*	65.1	271.9	59,300*													105
110	59.0	263.8	45,500*	61.8	267.7	51,100*	63.4	269.4	54,900*													110
115	57.2	260.6	42,600*	60.1	264.8	47,600*	61.7	266.8	50,900*													115
120	55.4	257.3	39,900*	58.3	261.8	44,400*	60.0	263.9	47,400*	62.7	266.4	53,100*										120
125	53.5	253.6	37,400*	56.5	258.6	41,500*	58.2	260.9	44,300*	61.0	263.7	49,400*										125
130	51.6	249.8	35,200*	54.7	255.1	38,900*	56.4	257.6	41,400*	59.2	260.8	46,000*										130
135	49.7	245.6	33,200*	52.8	251.4	36,600*	54.6	254.1	38,800*	57.4	257.6	43,000*										135
140	47.7	241.1	31,300*	50.9	247.4	34,400*	52.7	250.4	36,500*	55.6	254.3	40,300*										140
145	45.6	236.3	29,500*	48.9	243.1	32,400*	50.8	246.4	34,300*	53.8	250.7	37,800*	56.6	253.6	41,700*							145
150	43.4	231.2	27,900*	46.8	238.5	30,600*	48.8	242.1	32,300*	51.9	246.9	35,500*	54.8	250.1	39,100*							150
155	41.1	225.6	26,400*	44.7	233.6	28,900*	46.7	237.5	30,500*	49.9	242.7	33,500*	52.9	246.4	36,700*							155
160	38.8	219.6	25,000*	42.5	228.3	27,300*	44.6	232.6	28,800*	47.9	238.3	31,500*	51.0	242.4	34,600*							160
165	36.3	213.0	23,700*	40.2	222.5	25,800*	42.4	227.2	27,200*	45.8	233.6	29,800*	49.0	238.2	32,600*	51.9	241.2	35,600*				165
170	33.6	205.7	22,400*	37.8	216.3	24,500*	40.1	221.5	25,800*	43.7	228.5	28,100*	46.9	233.6	30,700*	49.9	237.0	33,500*				170
175	30.7	197.6	21,200*	35.2	209.4	23,200*	37.7	215.2	24,400*	41.4	222.9	26,600*	44.8	228.7	29,000*	47.9	232.6	31,600*				175
180	27.6	188.5	20,100*	32.5	201.8	22,000*	35.1	208.3	23,100*	39.1	216.9	25,200*	42.6	223.4	27,400*	45.8	227.9	29,800*				180
185	24.1	178.0	19,000*	29.5	193.4	20,800*	32.4	200.7	21,900*	36.6	210.4	23,900*	40.3	217.6	25,900*	43.7	222.8	28,200*	46.7	226.1	29,000	185
190	20.0	165.5	18,000*	26.3	183.8	19,700*	29.4	192.2	20,800*	33.9	203.2	22,600*	37.9	211.4	24,600*	41.4	217.2	26,700*	44.6	221.1	27,800	190
195	14.9	149.2	16,600*	22.6	172.6	18,700*	26.1	182.5	19,700*	31.1	195.3	21,500*	35.4	204.6	23,300*	39.1	211.3	25,200*	42.4	215.8	26,700	195
200	6.4	121.6	13,500*	18.2	158.8	17,700*	22.4	171.2	18,700*	28.0	186.3	20,400*	32.6	197.1	22,100*	36.6	204.7	23,900*	40.1	210.0	25,600	200
205				12.3	140.0	16,700*	17.9	157.3	17,600*	24.6	176.0	19,300*	29.7	188.7	20,900*	34.0	197.6	22,700*	37.7	203.7	24,500*	205
210							11.9	138.0	16,700*	20.6	163.8	18,300*	26.4	179.1	19,900*	31.1	189.6	21,500*	35.1	196.8	23,200*	210
215										15.6	148.1	17,300*	22.8	168.0	18,800*	28.0	180.7	20,400*	32.3	189.2	22,000*	215
220										8.0	123.3	16,300*	18.4	154.4	17,800*	24.6	170.4	19,400*	29.4	180.7	20,900*	220
225													12.6	135.9	16,800*	20.6	158.1	18,300*	26.1	171.0	19,800*	225
230																15.6	142.5	17,300*	22.3	159.7	18,800*	230
235																8.1	117.8	16,300*	17.9	145.8	17,800*	235
240																			11.8	126.4	16,800*	240

MANITOWOC CRANES, INC.

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M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

90 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.7	294.2	66,200*																			65
70	73.2	292.7	64,500*																			70
75	71.7	291.1	62,000*																			75
80	70.2	289.3	59,300*																			80
85	68.7	287.4	56,700*																			85
90	67.1	285.4	54,000*	69.6	287.8	58,500*																90
95	65.6	283.1	51,500*	68.1	285.9	56,000*																95
100	64.0	280.7	49,000*	66.5	283.7	53,400*	68.0	285.0	55,600*													100
105	62.4	278.2	46,500*	64.9	281.4	50,900*	66.4	282.9	53,100*													105
110	60.7	275.4	44,200*	63.3	279.0	48,400*	64.8	280.5	54,300*													110
115	59.1	272.5	41,900*	61.7	276.3	46,000*	63.3	278.1	50,400*													115
120	57.4	269.3	39,300*	60.1	273.5	43,600*	61.6	275.4	46,900*													120
125	55.6	266.0	36,900*	58.4	270.5	40,900*	60.0	272.6	43,700*	62.6	275.1	46,900*										125
130	53.9	262.4	34,700*	56.7	267.3	38,300*	58.3	269.6	40,900*	60.9	272.4	44,700*										130
135	52.1	258.6	32,600*	54.9	263.8	36,000*	56.6	266.3	38,300*	59.3	269.4	42,500*										135
140	50.2	254.5	30,700*	53.2	260.1	33,800*	54.9	262.9	35,900*	57.6	266.3	39,700*										140
145	48.3	250.1	29,000*	51.3	256.2	31,900*	53.1	259.2	33,800*	55.9	263.0	37,200*										145
150	46.4	245.4	27,300*	49.5	252.0	30,000*	51.3	255.2	31,800*	54.1	259.4	35,000*	56.8	262.2	38,600*							150
155	44.3	240.4	25,800*	47.6	247.5	28,300*	49.4	251.0	29,900*	52.3	255.7	32,900*	55.0	258.8	36,200*							155
160	42.2	235.1	24,400*	45.6	242.8	26,700*	47.5	246.5	28,300*	50.5	251.6	31,000*	53.3	255.2	34,000*							160
165	40.0	229.3	23,100*	43.5	237.6	25,300*	45.5	241.7	26,700*	48.6	247.3	29,200*	51.4	251.2	32,000*							165
170	37.7	223.0	21,900*	41.4	232.1	23,900*	43.4	236.6	25,200*	46.6	242.6	27,600*	49.6	247.1	30,200*	52.3	250.0	32,900*				170
175	35.3	216.1	20,700*	39.1	226.1	22,600*	41.3	231.0	23,900*	44.6	237.7	26,100*	47.6	242.6	28,400*	50.5	245.9	31,000*				175
180	32.7	208.6	19,600*	36.8	219.6	21,400*	39.0	225.0	22,600*	42.5	232.4	24,600*	45.7	237.8	26,900*	48.6	241.6	29,300*				180
185	29.9	200.3	18,600*	34.3	212.5	20,300*	36.7	218.5	21,400*	40.3	226.6	23,300*	43.6	232.7	25,400*	46.6	237.0	27,600*				185
190	26.9	190.9	17,600*	31.6	204.7	19,200*	34.2	211.4	20,300*	38.0	220.4	22,100*	41.5	227.2	24,000*	44.6	232.0	26,100*	47.4	235.1	27,300	190
195	23.5	180.1	16,600*	28.8	196.0	18,200*	31.5	203.5	19,200*	35.6	213.6	20,900*	39.3	221.2	22,700*	42.5	226.7	24,700*	45.5	230.3	26,100	195
200	19.5	167.2	15,700*	25.6	186.1	17,200*	28.6	194.7	18,200*	33.1	206.2	19,800*	36.9	214.7	21,500*	40.3	220.9	23,400*	43.4	225.1	25,100	200
205	14.5	150.4	14,400*	22.0	174.5	16,300*	25.4	184.8	17,200*	30.3	198.0	18,800*	34.4	207.7	20,400*	38.0	214.7	22,100*	41.2	219.6	23,900*	205
210	6.3	122.1	11,500*	17.7	160.4	15,400*	21.8	173.2	16,300*	27.3	188.7	17,800*	31.8	199.9	19,300*	35.6	208.0	20,900*	39.0	213.6	22,600*	210
215				11.9	141.0	14,500*	17.5	158.8	15,400*	23.9	178.1	16,900*	28.9	191.2	18,300*	33.1	200.5	19,800*	36.7	207.0	21,400*	215
220							11.6	139.0	14,500*	20.0	165.5	15,900*	25.8	181.4	17,400*	30.3	192.3	18,800*	34.2	199.9	20,300*	220
225										15.2	149.4	15,000*	22.2	170.0	16,500*	27.3	183.1	17,800*	31.5	192.0	19,300*	225
230										7.8	124.0	14,100*	17.9	156.0	15,500*	23.9	172.5	16,900*	28.6	183.3	18,300*	230
235													12.3	137.0	14,600*	20.1	159.9	16,000*	25.4	173.3	17,300*	235
240																15.2	143.8	15,100*	21.8	161.6	16,400*	240
245																7.8	118.5	14,200*	17.4	147.3	15,500*	245
250																			11.5	127.4	14,600*	250

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M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

100 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	68.7	176.3	175,800*b																			38
40	66.9	175.5	169,100*b																			40
45	62.4	173.0	153,900*b																			45
50	57.6	170.0	136,700*b	65.9	174.2	164,200*b																50
55	52.5	166.4	119,500*	61.3	171.6	149,900*b	66.2	173.4	162,200*b													55
60	47.1	162.0	105,900*	56.5	168.4	132,500*b	61.6	170.9	148,500*b													60
65	41.1	156.6	94,900*	51.4	164.6	116,200*	56.8	167.8	134,000*b													65
70	34.2	149.9	85,900*	45.8	160.1	103,300*	51.7	164.0	117,400*	60.4	168.1	136,500b										70
75	25.8	140.9	78,200*	39.7	154.4	93,100*	46.1	159.5	104,300*	55.5	164.8	124,400										75
80	12.6	125.6	71,700*	32.5	147.3	84,400*	40.0	153.9	93,700*	50.3	160.9	113,700*										80
85				23.5	137.5	77,000*	33.0	146.9	84,800*	44.6	156.1	101,300*	53.9	160.9	101,600							85
90				6.3	117.2	70,200*	24.1	137.3	77,400*	38.3	150.2	91,200*	48.6	156.7	94,200							90
95							8.4	118.9	71,000*	30.9	142.7	82,800*	42.8	151.6	87,800	52.0	155.9	84,600				95
100										21.2	131.9	75,600*	36.2	145.3	82,100	46.5	151.5	79,100				100
105													28.2	137.1	76,900	40.5	146.0	74,200				105
110													17.1	124.5	72,300	33.5	139.1	69,800	44.0	145.1	67,200	110
115																24.8	129.8	65,800	37.6	139.0	63,400	115
120																10.4	112.9	62,000	30.1	131.3	59,900	120
125																			20.0	120.1	56,700	125

100 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	71.5	187.0	171,700*b																			38
40	70.0	186.3	165,200*b																			40
45	66.1	184.2	150,700*b																			45
50	62.1	181.7	137,500*b	69.1	185.1	160,700*b																50
55	57.9	178.7	120,200*	65.2	182.9	147,100*b	61.2	180.2	133,300*b	65.4	182.1	145,700*b										55
60	53.5	175.1	106,500*	56.9	177.1	116,900*	61.4	179.5	134,400*b													60
65	48.9	171.0	95,400*	52.5	173.5	103,800*	57.2	176.4	118,100*													65
70	43.8	166.1	86,500*	47.8	169.1	93,500*	52.8	172.8	104,800*	60.3	176.7	123,900										70
75	38.3	160.1	78,800*	42.7	164.0	84,700*	48.1	168.5	94,100*	56.1	173.5	113,700										75
80	31.9	152.8	72,200*	36.9	157.8	77,300*	43.0	163.5	85,200*	51.6	169.7	101,800*										80
85	24.0	143.0	66,600*	30.3	150.0	70,900*	37.3	157.3	77,700*	46.8	165.3	91,600*	54.7	169.6	93,700							85
90	11.7	126.5	61,600*	21.9	139.4	65,400*	30.7	149.7	71,300*	41.5	159.9	83,100*	50.1	165.6	87,300							90
95				5.8	117.6	60,400*	22.4	139.3	65,700*	35.7	153.5	75,900*	45.2	160.9	81,600							95
100							7.8	119.5	60,800*	28.8	145.2	69,800*	39.8	155.3	76,500	48.4	160.5	73,600				100
105										19.7	133.6	64,400*	33.7	148.4	72,000	43.3	155.5	69,300				105
110													26.3	139.4	67,900	37.7	149.5	65,400	46.3	154.3	62,800	110
115													15.9	125.8	63,000*	31.2	141.9	61,800	41.0	148.8	59,400	115
120																23.1	131.8	58,500	35.1	142.2	56,300	120
125																9.7	113.7	55,400	28.0	133.8	53,400	125
130																			18.6	121.7	50,700	130
135																						135

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

100 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	73.6	197.6	167,300*b																			38
40	72.3	196.9	161,200*b																			40
45	68.9	195.1	147,400*b																			45
50	65.4	192.9	135,600*b																			50
55	61.9	190.3	120,700*	68.1	193.8	144,200*b																55
60	58.1	187.3	106,900*	64.6	191.5	133,000*																60
65	54.3	183.9	95,700*	61.0	188.9	117,400*	64.8	190.8	131,900*													65
70	50.2	179.9	86,700*	57.3	185.8	104,200*	61.2	188.2	118,500*													70
75	45.9	175.3	79,000*	53.4	182.2	93,800*	57.5	185.1	105,200*													75
80	41.2	169.9	72,400*	49.3	178.1	84,900*	53.6	181.6	94,400*	60.3	185.4	113,200										80
85	36.0	163.4	66,700*	44.9	173.3	77,400*	49.5	177.5	85,400*	56.5	182.2	102,200*										85
90	30.0	155.4	61,700*	40.1	167.7	71,100*	45.1	172.8	77,900*	52.6	178.5	91,900*										90
95	22.6	144.9	57,300*	34.7	161.0	65,500*	40.3	167.2	71,400*	48.4	174.3	83,300*	55.3	178.3	86,800							95
100	11.0	127.5	53,400*	28.5	152.6	60,700*	35.0	160.5	65,900*	43.9	169.3	76,100*	51.3	174.5	81,200							100
105				20.6	141.2	56,500*	28.9	152.2	61,000*	39.0	163.5	69,900*	47.0	170.1	76,100							105
110				5.5	118.0	52,500*	21.1	141.1	56,700*	33.5	156.5	64,600*	42.5	164.9	71,600	49.8	169.5	68,800				110
115							7.3	120.1	52,800*	27.0	147.6	59,900*	37.4	158.7	67,600	45.4	164.8	64,900				115
120										18.5	135.2	55,700*	31.7	151.2	63,100*	40.7	159.3	61,400	48.0	163.3	58,900	120
125													24.7	141.6	58,600*	35.4	152.7	58,100	43.5	158.3	55,800	125
130													15.0	127.1	54,500*	29.4	144.5	55,200	38.5	152.4	53,000	130
135																21.7	133.7	52,400	33.0	145.2	50,400	135
140																9.1	114.5	49,800	26.4	136.1	47,900	140
145																			17.5	123.2	45,600	145

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

100 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	75.3	208.0	156,000*b																			38
40	74.1	207.4	152,800*b																			40
45	71.1	205.8	143,900*b																			45
50	68.0	203.8	132,600*																			50
55	64.9	201.6	120,800*	70.4	204.6	141,000*b																55
60	61.7	199.0	106,900*	67.3	202.6	130,400*																60
65	58.3	196.0	95,700*	64.2	200.2	117,500*	67.5	201.8	129,400*													65
70	54.9	192.6	86,600*	60.9	197.5	104,300*	64.4	199.5	118,600*													70
75	51.3	188.8	78,800*	57.6	194.5	93,700*	61.1	196.8	105,200*													75
80	47.4	184.4	72,200*	54.1	191.0	84,800*	57.8	193.8	94,300*													80
85	43.4	179.3	66,500*	50.4	187.0	77,300*	54.3	190.3	85,300*	60.2	194.0	102,200*										85
90	38.9	173.4	61,500*	46.5	182.5	70,900*	50.6	186.4	77,700*	56.9	190.9	91,800*										90
95	34.0	166.5	57,100*	42.4	177.2	65,400*	46.8	181.9	71,300*	53.3	187.3	83,200*										95
100	28.4	158.0	53,300*	37.9	171.2	60,500*	42.6	176.7	65,700*	49.6	183.2	76,000*	55.8	187.1	80,600							100
105	21.4	146.8	49,800*	32.8	163.9	56,300*	38.2	170.7	60,800*	45.7	178.5	69,800*	52.2	183.3	75,600							105
110	10.4	128.3	46,600*	27.0	155.0	52,500*	33.1	163.5	56,500*	41.5	173.2	64,400*	48.5	179.1	71,100	50.9	178.3	64,300				110
115				19.5	142.9	49,100*	27.3	154.7	52,700*	36.9	166.9	59,700*	44.5	174.2	67,100	47.1	173.9	60,800				115
120				5.1	118.4	46,000*	20.0	142.8	49,300*	31.7	159.3	55,500*	40.1	168.6	62,900*	42.9	168.7	57,600				120
125							6.9	120.6	46,200*	25.6	149.9	51,800*	35.4	161.9	58,400*	38.5	162.8	54,700	45.3	167.5	52,400	125
130										17.5	136.7	48,500*	30.0	153.9	54,400*							130
135													23.4	143.6	50,800*	33.5	155.7	52,000	41.1	162.1	49,800	135
140													14.2	128.3	47,600*	27.8	147.0	49,500	36.4	155.7	47,400	140
145																20.6	135.5	47,100	31.2	148.0	45,200	145
150																8.6	115.2	44,900	24.9	138.3	43,100	150
155																			16.6	124.6	41,100	155

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

100 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	75.6	217.8	144,200*																			40
45	72.9	216.3	138,000*																			45
50	70.1	214.6	129,300*																			50
55	67.3	212.6	119,900*																			55
60	64.5	210.3	110,100*	69.5	213.4	127,200*																60
65	61.5	207.6	98,400*	66.7	211.3	118,400*																65
70	58.5	204.7	89,000*	63.8	208.9	107,300*	66.9	210.5	118,200*													70
75	55.4	201.3	80,900*	60.8	206.2	96,200*	64.0	208.2	108,200*													75
80	52.1	197.6	74,100*	57.8	203.2	87,000*	61.0	205.5	96,900*													80
85	48.7	193.3	68,200*	54.6	199.7	79,400*	58.0	202.5	87,600*													85
90	45.1	188.5	63,100*	51.3	195.9	72,700*	54.8	199.1	79,800*	60.2	202.7	94,400*										90
95	41.2	183.1	58,600*	47.9	191.5	67,000*	51.5	195.2	73,100*	57.2	199.6	85,500*										95
100	37.0	176.8	54,600*	44.2	186.6	62,100*	48.1	190.9	67,400*	54.0	196.1	78,000*										100
105	32.4	169.4	51,000*	40.3	180.9	57,700*	44.4	186.0	62,300*	50.6	192.1	71,600*	56.2	195.8	75,000							105
110	27.0	160.4	47,800*	36.0	174.4	53,800*	40.5	180.4	57,900*	47.2	187.6	66,000*	53.0	192.1	70,600							110
115	20.3	148.6	44,900*	31.2	166.7	50,300*	36.3	174.0	54,000*	43.4	182.6	61,100*	49.6	188.0	66,500							115
120	9.9	129.1	40,000*	25.7	157.2	47,200*	31.5	166.3	50,500*	39.5	176.8	56,900*	46.0	183.4	62,900	51.8	187.2	60,300				120
125				18.5	144.5	44,300*	26.0	157.0	47,400*	35.1	170.0	53,100*	42.3	178.1	59,600	48.3	182.9	57,100				125
130				4.8	118.8	39,400*	19.0	144.5	44,500*	30.2	162.0	49,700*	38.2	172.0	55,700*	44.7	178.0	54,100				130
135							6.5	121.1	41,300*	24.3	152.0	46,600*	33.7	165.0	52,000*	40.8	172.5	51,500	46.8	176.6	49,200	135
140										16.7	138.2	43,800*	28.5	156.4	48,700*	36.6	166.1	49,000	43.1	171.5	46,900	140
145													22.3	145.6	45,800*	31.9	158.6	46,700	39.1	165.6	44,700	145
150													13.5	129.4	43,000*	26.4	149.3	44,500	34.7	158.8	42,600	150
155																19.6	137.2	42,500	29.7	150.6	40,700	155
160																8.1	115.8	40,600	23.7	140.4	38,900	160
165																			15.8	125.9	37,200	165

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

100 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.4	226.8	128,700*																			45
50	71.9	225.2	123,500*																			50
55	69.3	223.4	117,300*																			55
60	66.7	221.3	109,300*																			60
65	64.1	219.0	98,100*	68.7	222.1	115,900*																65
70	61.4	216.3	88,500*	66.1	220.0	107,000*																70
75	58.6	213.4	80,500*	63.5	217.6	95,900*	66.3	219.3	107,300*													75
80	55.8	210.0	73,600*	60.8	214.9	86,700*	63.6	216.9	96,600*													80
85	52.8	206.4	67,800*	58.0	211.8	79,000*	60.9	214.2	87,300*													85
90	49.7	202.3	62,700*	55.1	208.4	72,400*	58.1	211.1	79,400*	62.9	214.1	94,000*										90
95	46.5	197.7	58,200*	52.1	204.7	66,600*	55.3	207.8	72,700*	60.2	211.4	85,100*										95
100	43.0	192.5	54,200*	49.0	200.5	61,700*	52.3	204.0	67,000*	57.4	208.3	77,600*										100
105	39.4	186.7	50,600*	45.7	195.8	57,300*	49.2	199.9	61,900*	54.5	204.8	71,200*										105
110	35.4	180.0	47,400*	42.2	190.5	53,400*	45.9	195.2	57,500*	51.5	200.9	65,600*	56.5	204.4	70,000							110
115	30.9	172.2	44,500*	38.5	184.5	49,900*	42.4	189.9	53,600*	48.3	196.6	60,700*	53.6	200.9	66,000							115
120	25.8	162.6	41,900*	34.4	177.5	46,800*	38.7	184.0	50,100*	45.0	191.8	56,500*	50.5	196.9	62,300							120
125	19.4	150.3	39,500*	29.9	169.4	43,900*	34.7	177.1	46,900*	41.5	186.4	52,700*	47.3	192.4	59,000	52.5	196.0	56,500				125
130	9.4	129.9	35,300*	24.5	159.4	41,400*	30.1	169.0	44,100*	37.7	180.2	49,300*	44.0	187.4	55,300*	49.4	191.8	53,600				130
135				17.7	146.0	39,000*	24.9	159.2	41,500*	33.5	173.1	46,200*	40.4	181.8	51,600*	46.1	187.2	50,900				135
140				4.6	119.1	34,800*	18.2	146.1	39,100*	28.8	164.6	43,400*	36.5	175.3	48,300*	42.7	182.0	48,400	48.0	185.7	46,300	140
145							6.2	121.6	36,500*	23.3	154.1	40,900*	32.2	167.8	45,300*	39.0	176.1	46,200	44.7	180.8	44,100	145
150										15.9	139.5	38,600*	27.2	158.9	42,700*	35.0	169.3	44,000	41.1	175.3	42,000	150
155													21.3	147.4	40,200*	30.5	161.3	42,100	37.3	169.0	40,200	155
160													12.9	130.5	37,900*	25.3	151.6	40,200	33.1	161.8	38,400	160
165																18.7	138.8	38,500	28.4	153.2	36,700	165
170																7.7	116.4	36,700	22.7	142.4	35,200	170
175																			15.0	127.2	33,700	175

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

100 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.6	237.2	119,300*																			45
50	73.3	235.7	114,700*																			50
55	71.0	234.1	110,300*																			55
60	68.6	232.2	106,000*																			60
65	66.2	230.0	98,100*	70.5	232.8	110,500*																65
70	63.8	227.6	88,500*	68.1	230.9	105,700*																70
75	61.3	225.0	80,400*	65.7	228.7	96,600*																75
80	58.7	222.0	73,500*	63.2	226.2	87,200*	65.8	228.0	97,400*													80
85	56.1	218.7	68,100*	60.7	223.5	79,500*	63.4	225.5	87,900*													85
90	53.4	215.1	62,900*	58.1	220.5	72,700*	60.9	222.8	79,900*													90
95	50.6	211.1	58,300*	55.5	217.2	66,900*	58.3	219.8	73,100*	62.7	222.8	85,700*										95
100	47.6	206.7	54,300*	52.8	213.5	61,900*	55.6	216.5	67,300*	60.2	220.0	78,000*										100
105	44.5	201.8	50,700*	49.9	209.4	57,400*	52.9	212.8	62,200*	57.6	216.9	71,500*										105
110	41.2	196.3	47,500*	46.9	204.9	53,500*	50.1	208.8	57,700*	54.9	213.5	65,900*										110
115	37.7	190.1	44,500*	43.8	199.8	50,000*	47.1	204.3	53,700*	52.2	209.8	61,000*	56.8	213.1	65,700							115
120	33.9	183.1	41,900*	40.5	194.2	46,800*	44.0	199.3	50,200*	49.3	205.6	56,600*	54.1	209.6	62,100							120
125	29.7	174.8	39,500*	36.9	187.8	44,000*	40.7	193.7	47,000*	46.3	201.0	52,800*	51.3	205.7	58,800							125
130	24.8	164.8	37,300*	33.0	180.5	41,400*	37.1	187.3	44,100*	43.1	195.8	49,300*	48.4	201.4	55,400*							130
135	18.6	151.9	35,200*	28.6	171.9	39,000*	33.2	180.1	41,500*	39.8	190.0	46,200*	45.4	196.6	51,700*	50.3	200.7	50,600				135
140	9.0	130.7	31,500*	23.5	161.5	36,800*	28.9	171.6	39,200*	36.1	183.5	43,400*	42.1	191.3	48,400*	47.3	196.2	48,200				140
145				17.0	147.5	34,800*	23.8	161.3	37,000*	32.2	176.0	40,900*	38.7	185.3	45,400*	44.2	191.3	45,900				145
150				4.4	119.5	31,200*	17.4	147.6	35,000*	27.7	167.1	38,600*	35.0	178.5	42,700*	40.9	185.7	43,800	46.0	190.0	41,800	150
155							6.0	122.1	32,700*	22.3	156.0	36,500*	30.8	170.6	40,200*	37.4	179.5	41,900	42.8	184.8	39,900	155
160										15.3	140.9	34,500*	26.1	161.2	37,900*	33.5	172.3	40,000	39.4	178.9	38,200	160
165													20.4	149.2	35,900*	29.2	163.9	38,300	35.8	172.3	36,500	165
170													12.3	131.6	33,900*	24.2	153.7	36,700	31.8	164.6	35,000	170
175																17.9	140.4	35,200	27.2	155.6	33,500	175
180																7.4	117.0	33,300*	21.8	144.3	32,100	180
185																			14.4	128.5	30,800	185

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

100 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.5	246.2	107,500*																			50
55	72.4	244.6	103,500*																			55
60	70.2	242.9	99,700*																			60
65	68.0	240.9	96,000*																			65
70	65.8	238.7	88,800*	69.7	241.6	100,000*																70
75	63.5	236.3	80,500*	67.5	239.6	96,300*																75
80	61.2	233.6	73,600*	65.3	237.4	86,800*	67.7	238.9	95,000*													80
85	58.8	230.7	67,700*	63.0	234.9	79,000*	65.4	236.7	87,500*													85
90	56.4	227.4	62,500*	60.7	232.2	72,300*	63.1	234.2	79,500*													90
95	53.9	223.9	57,900*	58.3	229.2	66,500*	60.8	231.5	72,700*													95
100	51.3	220.0	53,800*	55.8	225.9	61,400*	58.4	228.5	66,800*	62.5	231.5	77,600*										100
105	48.6	215.7	50,200*	53.3	222.2	57,000*	56.0	225.2	61,700*	60.2	228.7	71,100*										105
110	45.8	211.0	47,000*	50.7	218.2	53,000*	53.4	221.6	57,200*	57.8	225.6	65,400*										110
115	42.8	205.8	44,100*	48.0	213.9	49,500*	50.8	217.6	53,300*	55.3	222.2	60,500*										115
120	39.7	199.9	41,400*	45.1	209.0	46,300*	48.1	213.3	49,700*	52.8	218.5	56,200*	57.0	221.8	61,500							120
125	36.3	193.4	39,000*	42.1	203.7	43,500*	45.3	208.5	46,500*	50.1	214.5	52,300*	54.5	218.3	58,200							125
130	32.6	186.0	36,800*	38.9	197.7	40,900*	42.3	203.2	43,700*	47.4	210.0	48,900*	52.0	214.5	55,000*							130
135	28.5	177.3	34,800*	35.5	191.0	38,500*	39.1	197.2	41,100*	44.5	205.1	45,800*	49.3	210.4	51,200*							135
140	23.8	166.9	32,900*	31.8	183.4	36,400*	35.7	190.6	38,700*	41.5	199.6	43,000*	46.5	205.8	47,900*	51.0	209.6	47,600				140
145	17.9	153.5	31,200*	27.6	174.4	34,400*	32.0	183.0	36,500*	38.2	193.5	40,400*	43.6	200.7	44,900*	48.3	205.2	45,300				145
150	8.7	131.4	27,900*	22.6	163.4	32,500*	27.8	174.1	34,500*	34.8	186.6	38,100*	40.5	195.0	42,200*	45.5	200.5	43,200				150
155				16.3	148.9	30,800*	22.9	163.3	32,700*	30.9	178.7	36,000*	37.2	188.7	39,700*	42.5	195.2	41,300	47.1	199.0	39,300	155
160				4.2	119.8	27,700*	16.8	149.0	30,900*	26.6	169.4	34,000*	33.6	181.5	37,500*	39.4	189.3	39,500	44.2	194.1	37,600	160
165							5.7	122.6	29,000*	21.5	157.9	32,200*	29.7	173.3	35,400*	36.0	182.7	37,800	41.2	188.5	35,900	165
170										14.7	142.1	30,500*	25.2	163.4	33,500*	32.3	175.2	36,200	37.9	182.4	34,400	170
175													19.7	150.9	31,700*	28.1	166.4	34,700	34.4	175.4	33,000	175
180													11.9	132.6	30,100*	23.3	155.8	32,900*	30.6	167.4	31,600	180
185																17.3	141.9	31,100*	26.2	157.9	30,300	185
190																7.1	117.6	29,500*	20.9	146.1	29,100	190
195																			13.9	129.7	27,900	195

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

100 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.6	256.5	102,500*																			50
55	73.6	255.1	99,100*																			55
60	71.6	253.5	95,800*																			60
65	69.6	251.7	92,600*																			65
70	67.5	249.7	89,500*																			70
75	65.4	247.4	81,400*	69.1	250.4	92,900*																75
80	63.3	245.0	74,300*	67.0	248.4	87,700*																80
85	61.1	242.3	68,300*	64.9	246.1	79,700*	67.2	247.6	88,300*													85
90	58.9	239.3	63,000*	62.8	243.6	72,900*	65.1	245.4	80,200*													90
95	56.6	236.1	58,400*	60.6	240.8	67,100*	62.9	242.9	73,300*													95
100	54.3	232.6	54,300*	58.4	237.8	61,900*	60.7	240.1	67,400*													100
105	51.9	228.8	50,600*	56.1	234.6	57,400*	58.5	237.2	62,200*	62.4	240.1	71,700*										105
110	49.4	224.6	47,300*	53.8	231.0	53,400*	56.2	233.9	57,700*	60.2	237.3	66,000*										110
115	46.8	220.1	44,400*	51.3	227.1	49,900*	53.9	230.3	53,700*	57.9	234.3	61,000*										115
120	44.1	215.1	41,700*	48.8	222.8	46,700*	51.5	226.5	50,100*	55.6	230.9	56,600*										120
125	41.3	209.5	39,300*	46.2	218.2	43,800*	49.0	222.2	46,900*	53.3	227.3	52,700*	57.2	230.5	57,700							125
130	38.2	203.4	37,000*	43.5	213.1	41,200*	46.4	217.6	44,000*	50.8	223.3	49,200*	54.9	227.1	54,700							130
135	35.0	196.6	35,000*	40.6	207.4	38,800*	43.6	212.5	41,300*	48.3	219.0	46,100*	52.5	223.3	51,600*							135
140	31.5	188.8	33,100*	37.5	201.2	36,600*	40.8	206.9	38,900*	45.7	214.3	43,300*	50.1	219.3	48,200*							140
145	27.5	179.8	31,400*	34.2	194.1	34,600*	37.7	200.7	36,700*	42.9	209.0	40,700*	47.5	214.8	45,200*	51.7	218.4	44,800				145
150	23.0	169.0	29,700*	30.6	186.1	32,700*	34.4	193.7	34,700*	40.0	203.3	38,300*	44.8	209.9	42,500*	49.2	214.2	42,700				150
155	17.3	155.0	27,900*	26.6	176.7	31,000*	30.9	185.7	32,800*	36.9	196.9	36,200*	42.0	204.5	40,000*	46.6	209.6	40,800				155
160	8.3	132.1	24,000*	21.8	165.4	29,400*	26.8	176.5	31,100*	33.5	189.6	34,200*	39.1	198.6	37,700*	43.8	204.5	39,000				160
165				15.8	150.3	27,800*	22.1	165.2	29,500*	29.8	181.4	32,400*	35.9	192.0	35,600*	41.0	199.0	37,300	45.4	203.2	35,400	165
170				4.1	120.1	23,800*	16.2	150.4	28,000*	25.7	171.7	30,700*	32.4	184.5	33,700*	37.9	192.8	35,700	42.6	198.0	33,900	170
175							5.5	123.0	25,100*	20.7	159.7	29,100*	28.6	175.8	31,900*	34.7	185.8	34,200	39.7	192.2	32,500	175
180										14.2	143.3	27,600*	24.3	165.5	30,200*	31.1	178.0	32,800	36.6	185.7	31,100	180
185													19.0	152.6	28,700*	27.1	168.8	31,300*	33.2	178.4	29,900	185
190													11.4	133.6	27,200*	22.5	157.7	29,700*	29.5	170.0	28,700	190
195																16.7	143.3	28,200*	25.2	160.1	27,500	195
200																6.9	118.2	26,600*	20.2	147.9	26,400	200
205																			13.4	130.8	25,400	205

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

100 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.7	265.5	92,900*																			55
60	72.8	264.0	90,000*																			60
65	70.9	262.3	87,000*																			65
70	69.0	260.5	84,200*																			70
75	67.0	258.4	80,900*	70.5	261.1	87,000*																75
80	65.1	256.1	73,800*	68.5	259.2	84,400*																80
85	63.1	253.7	67,800*	66.6	257.1	79,200*																85
90	61.0	251.0	62,500*	64.6	254.8	72,400*	66.7	256.4	79,700*													90
95	59.0	248.0	57,800*	62.6	252.3	66,600*	64.7	254.1	72,800*													95
100	56.8	244.8	53,700*	60.6	249.5	61,400*	62.7	251.5	66,900*													100
105	54.7	241.4	50,100*	58.5	246.5	56,900*	60.7	248.8	61,700*													105
110	52.4	237.6	46,800*	56.4	243.3	52,900*	58.6	245.8	57,200*	62.2	248.8	65,500*										110
115	50.1	233.5	43,800*	54.2	239.7	49,300*	56.5	242.6	53,100*	60.2	246.0	60,500*										115
120	47.7	229.1	41,200*	51.9	235.9	46,100*	54.3	239.1	49,600*	58.1	243.0	56,100*										120
125	45.2	224.3	38,700*	49.6	231.7	43,300*	52.0	235.3	46,300*	55.9	239.6	52,200*										125
130	42.6	219.0	36,500*	47.2	227.2	40,600*	49.7	231.1	43,400*	53.7	236.1	48,700*	57.4	239.2	54,100							130
135	39.9	213.2	34,500*	44.7	222.3	38,200*	47.3	226.6	40,800*	51.4	232.2	45,600*	55.2	235.8	51,100*							135
140	37.0	206.8	32,600*	42.0	216.9	36,100*	44.8	221.7	38,400*	49.1	227.9	42,700*	53.0	232.1	47,700*							140
145	33.9	199.6	30,800*	39.3	211.0	34,000*	42.2	216.4	36,200*	46.7	223.3	40,200*	50.7	228.1	44,700*							145
150	30.4	191.5	29,200*	36.3	204.4	32,200*	39.4	210.5	34,200*	44.1	218.3	37,800*	48.4	223.8	41,900*	52.2	227.2	42,100				150
155	26.6	182.2	27,700*	33.1	197.1	30,500*	36.5	204.0	32,300*	41.5	212.8	35,700*	45.9	219.1	39,400*	49.9	223.1	40,200				155
160	22.2	170.9	26,300*	29.6	188.7	28,900*	33.3	196.7	30,600*	38.7	206.8	33,700*	43.3	213.9	37,100*	47.5	218.6	38,400				160
165	16.7	156.4	24,600*	25.7	179.0	27,400*	29.8	188.4	29,000*	35.7	200.1	31,800*	40.6	208.3	35,000*	45.0	213.7	36,700				165
170	8.1	132.7	21,100*	21.1	167.2	26,000*	26.0	178.8	27,500*	32.4	192.6	30,200*	37.8	202.0	33,100*	42.4	208.4	35,100	46.4	212.4	33,300	170
175				15.2	151.6	24,600*	21.4	167.1	26,100*	28.9	184.0	28,600*	34.7	195.1	31,300*	39.6	202.6	33,700	43.9	207.3	31,900	175
180				3.9	120.4	21,000*	15.6	151.8	24,700*	24.8	173.9	27,100*	31.4	187.3	29,700*	36.7	196.1	32,300	41.2	201.8	30,500	180
185							5.3	123.4	22,200*	20.0	161.5	25,800*	27.7	178.3	28,100*	33.5	188.9	30,700*	38.4	195.7	29,300	185
190										13.7	144.5	24,400*	23.5	167.6	26,700*	30.1	180.7	29,100*	35.4	188.9	28,100	190
195													18.3	154.2	25,400*	26.2	171.1	27,600*	32.1	181.3	27,000	195
200													11.1	134.5	24,100*	21.8	159.7	26,200*	28.5	172.5	25,900	200
205																16.1	144.7	24,900*	24.4	162.3	24,900	205
210																6.6	118.7	23,600*	19.5	149.6	23,900	210
215																			12.9	131.9	22,900	215

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

100 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.6	275.9	86,200*																			55
60	73.8	274.5	83,500*																			60
65	72.1	272.9	80,900*																			65
70	70.3	271.2	78,300*																			70
75	68.5	269.2	75,800*																			75
80	66.6	267.1	73,100*	69.9	269.9	78,300*																80
85	64.8	264.8	68,100*	68.1	268.0	75,900*																85
90	62.9	262.3	62,700*	66.2	265.8	72,900*																90
95	61.0	259.6	58,000*	64.4	263.5	66,900*	66.3	265.1	70,700*													95
100	59.0	256.7	53,800*	62.5	260.9	61,700*	64.5	262.8	67,300*													100
105	57.0	253.5	50,200*	60.5	258.2	57,100*	62.6	260.2	62,000*													105
110	55.0	250.1	46,800*	58.6	255.2	53,000*	60.7	257.5	57,400*													110
115	52.9	246.4	43,800*	56.6	251.9	49,400*	58.7	254.5	53,300*	62.1	257.5	60,800*										115
120	50.7	242.4	41,100*	54.5	248.5	46,200*	56.7	251.3	49,600*	60.1	254.7	56,300*										120
125	48.5	238.1	38,700*	52.4	244.7	43,200*	54.6	247.8	46,400*	58.2	251.6	52,300*										125
130	46.2	233.4	36,400*	50.2	240.6	40,600*	52.5	244.1	43,400*	56.2	248.3	48,800*										130
135	43.8	228.3	34,300*	48.0	236.2	38,200*	50.4	240.0	40,700*	54.1	244.8	45,600*	57.6	247.9	51,000							135
140	41.3	222.8	32,400*	45.7	231.5	36,000*	48.1	235.6	38,300*	52.0	241.0	42,700*	55.5	244.5	47,800*							140
145	38.6	216.7	30,700*	43.2	226.3	33,900*	45.8	230.9	36,100*	49.8	236.8	40,100*	53.5	240.9	44,700*							145
150	35.8	210.0	29,000*	40.7	220.7	32,100*	43.4	225.7	34,000*	47.5	232.4	37,700*	51.3	237.0	41,900*							150
155	32.8	202.6	27,500*	38.0	214.5	30,300*	40.9	220.1	32,200*	45.2	227.5	35,600*	49.1	232.7	39,400*	52.7	236.0	39,900				155
160	29.5	194.2	26,100*	35.2	207.6	28,700*	38.2	214.0	30,400*	42.7	222.3	33,600*	46.8	228.1	37,100*	50.5	231.9	38,100				160
165	25.8	184.4	24,800*	32.1	200.0	27,200*	35.3	207.2	28,800*	40.2	216.5	31,700*	44.4	223.2	34,900*	48.3	227.6	36,400				165
170	21.5	172.8	23,500*	28.7	191.3	25,800*	32.3	199.6	27,300*	37.4	210.2	30,000*	42.0	217.8	33,000*	46.0	222.9	34,800				170
175	16.2	157.8	22,000*	24.9	181.2	24,500*	28.9	191.0	25,900*	34.6	203.2	28,400*	39.4	211.9	31,200*	43.6	217.8	33,400	47.3	221.4	31,600	175
180	7.8	133.4	18,800*	20.5	169.0	23,300*	25.2	181.0	24,600*	31.4	195.4	27,000*	36.6	205.4	29,500*	41.0	212.2	32,000	45.0	216.5	30,200	180
185				14.8	152.8	22,000*	20.7	168.9	23,400*	28.0	186.5	25,600*	33.6	198.1	28,000*	38.4	206.1	30,600*	42.5	211.2	29,000	185
190				3.8	120.7	18,800*	15.1	153.1	22,100*	24.1	176.0	24,300*	30.4	190.0	26,500*	35.5	199.3	29,000*	39.9	205.4	27,800	190
195							5.1	123.9	19,900*	19.4	163.2	23,100*	26.8	180.7	25,200*	32.5	191.8	27,500*	37.2	199.0	26,700	195
200										13.3	145.7	21,900*	22.7	169.6	23,900*	29.2	183.3	26,100*	34.3	192.0	25,600	200
205													17.8	155.7	22,700*	25.4	173.4	24,700*	31.1	184.1	24,600	205
210													10.7	135.4	21,500*	21.1	161.5	23,500*	27.6	175.0	23,700	210
215																15.6	146.0	22,300*	23.7	164.4	22,700	215
220																6.4	119.3	21,100*	18.9	151.3	21,800	220
225																			12.5	133.0	21,000	225

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

100 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.7	284.9	78,400*																			60
65	73.1	283.4	76,000*																			65
70	71.4	281.8	73,700*																			70
75	69.7	280.0	71,200*																			75
80	68.0	278.0	68,200*	71.0	280.6	73,500*																80
85	66.3	275.9	65,300*	69.3	278.7	70,800*																85
90	64.5	273.5	62,200*	67.6	276.7	68,000*																90
95	62.7	271.0	57,500*	65.9	274.5	65,200*	67.7	276.0	65,600*													95
100	60.9	268.3	53,300*	64.1	272.2	61,100*	66.0	273.8	66,700*													100
105	59.1	265.3	49,600*	62.3	269.6	56,500*	64.2	271.4	61,500*													105
110	57.2	262.2	46,300*	60.5	266.8	52,500*	62.4	268.9	56,800*													110
115	55.3	258.8	43,300*	58.7	263.8	48,900*	60.6	266.1	52,700*													115
120	53.3	255.1	40,600*	56.8	260.6	45,600*	58.8	263.2	49,100*	62.0	266.1	55,700*										120
125	51.3	251.2	38,100*	54.8	257.2	42,700*	56.9	260.0	45,800*	60.1	263.3	51,800*										125
130	49.2	247.0	35,900*	52.9	253.5	40,000*	54.9	256.5	42,900*	58.3	260.3	48,200*										130
135	47.0	242.4	33,800*	50.8	249.5	37,600*	53.0	252.8	40,200*	56.4	257.0	45,000*										135
140	44.8	237.5	31,900*	48.7	245.2	35,400*	50.9	248.9	37,800*	54.4	253.5	42,200*	57.7	256.5	47,200*							140
145	42.5	232.2	30,100*	46.6	240.6	33,400*	48.8	244.6	35,600*	52.4	249.8	39,600*	55.8	253.2	44,200*							145
150	40.1	226.4	28,500*	44.3	235.6	31,500*	46.7	240.0	33,500*	50.4	245.7	37,200*	53.8	249.6	41,400*							150
155	37.5	220.1	27,000*	42.0	230.2	29,800*	44.4	235.0	31,600*	48.3	241.4	35,000*	51.8	245.8	38,800*							155
160	34.8	213.2	25,600*	39.5	224.3	28,200*	42.1	229.6	29,900*	46.1	236.7	33,000*	49.8	241.6	36,500*							160
165	31.8	205.4	24,200*	36.9	217.8	26,700*	39.6	223.7	28,300*	43.8	231.6	31,200*	47.6	237.2	34,400*	51.1	240.8	35,800				165
170	28.6	196.7	23,000*	34.1	210.7	25,300*	37.1	217.3	26,800*	41.5	226.1	29,500*	45.4	232.4	32,500*	49.0	236.5	34,300				170
175	25.1	186.7	21,800*	31.1	202.8	24,000*	34.3	210.3	25,400*	39.0	220.1	27,900*	43.1	227.2	30,700*	46.8	232.0	32,800				175
180	20.9	174.6	20,700*	27.9	193.8	22,800*	31.3	202.4	24,100*	36.3	213.5	26,400*	40.7	221.5	29,000*	44.6	227.0	31,400				180
185	15.7	159.2	19,400*	24.2	183.4	21,600*	28.1	193.5	22,800*	33.5	206.2	25,000*	38.2	215.3	27,400*	42.3	221.6	30,100*	45.9	225.7	28,400	185
190	7.6	134.0	16,500*	19.9	170.8	20,500*	24.4	183.1	21,700*	30.5	198.1	23,800*	35.5	208.6	26,000*	39.8	215.8	28,400*	43.6	220.5	27,200	190
195				14.3	154.1	19,400*	20.1	170.7	20,600*	27.2	188.9	22,500*	32.6	201.1	24,700*	37.2	209.4	26,900*	41.2	215.0	26,100	195
200				3.7	121.0	16,500*	14.7	154.4	19,500*	23.4	178.1	21,400*	29.5	192.6	23,400*	34.5	202.4	25,500*	38.7	208.9	25,100	200
205							5.0	124.3	17,500*	18.9	164.8	20,300*	26.1	183.0	22,200*	31.5	194.6	24,200*	36.1	202.3	24,100	205
210										12.9	146.8	19,300*	22.1	171.6	21,100*	28.3	185.8	23,000*	33.3	195.0	23,100	210
215													17.3	157.2	20,000*	24.7	175.6	21,800*	30.2	186.8	22,200	215
220													10.4	136.3	19,000*	20.5	163.3	20,700*	26.8	177.4	21,300	220
225																15.2	147.4	19,700*	23.0	166.4	20,500	225
230																6.2	119.8	18,600*	18.4	152.9	19,700	230
235																			12.2	134.0	18,900	235

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

100 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.6	295.3	73,200*																			60
65	74.0	293.9	71,500*																			65
70	72.4	292.3	69,100*																			70
75	70.8	290.6	66,500*																			75
80	69.2	288.8	63,900*																			80
85	67.6	286.8	61,200*	70.5	289.4	66,100*																85
90	66.0	284.6	58,500*	68.9	287.5	63,600*																90
95	64.3	282.2	55,900*	67.2	285.5	61,000*																95
100	62.6	279.7	52,800*	65.6	283.2	58,400*	67.3	284.7	58,900*													100
105	60.9	276.9	49,100*	63.9	280.8	55,800*	65.7	282.5	61,000*													105
110	59.1	274.0	45,800*	62.2	278.3	52,000*	64.0	280.1	56,300*													110
115	57.3	270.9	42,800*	60.5	275.5	48,400*	62.3	277.5	52,300*													115
120	55.5	267.5	40,100*	58.7	272.5	45,100*	60.6	274.8	48,600*													120
125	53.7	263.9	37,600*	56.9	269.3	42,200*	58.8	271.8	45,300*	61.9	274.8	51,300*										125
130	51.8	260.0	35,400*	55.1	265.9	39,500*	57.0	268.6	42,400*	60.1	272.0	47,700*										130
135	49.8	255.9	33,300*	53.3	262.2	37,100*	55.2	265.2	39,700*	58.4	269.0	44,500*										135
140	47.8	251.5	31,400*	51.3	258.3	34,900*	53.4	261.6	37,300*	56.6	265.7	41,700*										140
145	45.7	246.7	29,600*	49.4	254.1	32,900*	51.4	257.7	35,000*	54.7	262.3	39,100*	57.8	265.2	43,700*							145
150	43.5	241.6	28,000*	47.3	249.6	31,000*	49.5	253.5	33,000*	52.9	258.5	36,700*	56.0	261.9	40,900*							150
155	41.3	236.0	26,500*	45.2	244.8	29,300*	47.5	249.0	31,100*	50.9	254.6	34,500*	54.2	258.4	38,300*							155
160	38.9	230.0	25,100*	43.1	239.5	27,700*	45.4	244.2	29,400*	49.0	250.3	32,500*	52.3	254.6	36,000*							160
165	36.4	223.4	23,800*	40.8	233.9	26,200*	43.2	239.0	27,800*	46.9	245.7	30,700*	50.3	250.5	33,900*							165
170	33.8	216.2	22,500*	38.4	227.8	24,800*	40.9	233.4	26,300*	44.8	240.8	29,000*	48.3	246.1	32,000*	51.6	249.6	33,800				170
175	31.0	208.2	21,400*	35.9	221.1	23,500*	38.5	227.3	24,900*	42.6	235.5	27,400*	46.3	241.5	30,200*	49.6	245.4	32,300				175
180	27.8	199.2	20,300*	33.2	213.7	22,300*	36.0	220.6	23,600*	40.3	229.8	25,900*	44.1	236.4	28,500*	47.6	241.0	30,900				180
185	24.4	188.8	19,200*	30.3	205.5	21,100*	33.3	213.3	22,300*	37.9	223.5	24,500*	41.9	231.0	26,900*	45.5	236.2	29,600*				185
190	20.3	176.4	18,200*	27.1	196.2	20,000*	30.5	205.1	21,200*	35.3	216.7	23,300*	39.6	225.1	25,500*	43.3	231.0	27,900*	46.7	234.7	26,700	190
195	15.3	160.5	17,000*	23.5	185.4	19,000*	27.3	195.9	20,100*	32.6	209.2	22,100*	37.1	218.7	24,200*	41.1	225.4	26,400*	44.6	229.8	25,600	195
200	7.4	134.6	14,400*	19.3	172.4	18,100*	23.7	185.2	19,100*	29.7	200.8	20,900*	34.5	211.7	22,900*	38.7	219.3	25,000*	42.4	224.4	24,600	200
205				13.9	155.3	17,100*	19.6	172.4	18,100*	26.4	191.2	19,900*	31.7	203.9	21,700*	36.2	212.7	23,700*	40.1	218.7	23,600	205
210				3.5	121.2	14,400*	14.3	155.6	17,100*	22.7	180.1	18,800*	28.7	195.2	20,600*	33.5	205.4	22,500*	37.7	212.4	22,600	210
215							4.8	124.7	15,300*	18.3	166.4	17,900*	25.3	185.2	19,600*	30.7	197.4	21,300*	35.1	205.5	21,700	215
220										12.5	147.9	16,900*	21.5	173.4	18,600*	27.5	188.2	20,200*	32.3	197.9	20,900	220
225													16.8	158.7	17,600*	24.0	177.7	19,200*	29.4	189.4	20,000	225
230													10.1	137.2	16,700*	19.9	165.0	18,200*	26.1	179.7	19,300	230
235																14.7	148.6	17,300*	22.3	168.4	18,500	235
240																6.0	120.3	16,300*	17.9	154.4	17,800	240
245																			11.8	135.1	16,900*	245

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

100 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.8	304.3	65,400*																			65
70	73.3	302.8	64,300*																			70
75	71.8	301.2	61,800*																			75
80	70.3	299.5	59,300*																			80
85	68.8	297.6	56,700*																			85
90	67.2	295.5	54,100*	70.0	298.2	58,900*																90
95	65.7	293.3	51,600*	68.4	296.3	56,400*																95
100	64.1	290.9	49,100*	66.9	294.2	53,900*																100
105	62.5	288.3	46,700*	65.3	291.9	51,400*	67.0	293.5	52,200*													105
110	60.8	285.6	44,300*	63.7	289.5	49,000*	65.4	291.2	55,800*													110
115	59.2	282.7	42,100*	62.1	286.9	46,600*	63.8	288.8	51,700*													115
120	57.5	279.5	39,500*	60.5	284.1	44,300*	62.2	286.2	48,000*													120
125	55.8	276.2	37,000*	58.8	281.2	41,600*	60.6	283.4	44,800*													125
130	54.0	272.6	34,800*	57.1	278.0	39,000*	58.9	280.5	41,800*	61.8	283.5	45,700*										130
135	52.2	268.8	32,700*	55.4	274.6	36,600*	57.2	277.3	39,200*	60.1	280.6	43,600*										135
140	50.4	264.8	30,800*	53.6	271.0	34,400*	55.5	273.9	36,700*	58.5	277.6	41,100*										140
145	48.5	260.4	29,100*	51.8	267.1	32,300*	53.7	270.3	34,500*	56.7	274.4	38,500*										145
150	46.5	255.8	27,400*	49.9	263.0	30,500*	51.9	266.5	32,400*	55.0	271.0	36,100*	57.9	273.9	40,300*							150
155	44.5	250.8	25,900*	48.0	258.6	28,700*	50.0	262.4	30,600*	53.2	267.3	34,000*	56.2	270.6	37,800*							155
160	42.4	245.4	24,500*	46.1	253.9	27,100*	48.1	258.0	28,800*	51.4	263.4	32,000*	54.5	267.1	35,500*							160
165	40.2	239.7	23,200*	44.0	248.8	25,600*	46.2	253.3	27,200*	49.5	259.2	30,100*	52.7	263.3	33,300*							165
170	37.9	233.4	22,000*	41.9	243.4	24,200*	44.1	248.3	25,700*	47.6	254.7	28,400*	50.8	259.3	31,400*							170
175	35.5	226.6	20,800*	39.7	237.5	22,900*	42.0	242.8	24,300*	45.6	250.0	26,800*	49.0	255.1	29,600*	52.0	258.4	31,700				175
180	32.9	219.2	19,700*	37.4	231.2	21,700*	39.8	237.0	23,000*	43.6	244.8	25,400*	47.0	250.5	27,900*	50.2	254.3	30,400				180
185	30.1	210.9	18,700*	34.9	224.2	20,600*	37.5	230.7	21,800*	41.5	239.3	24,000*	45.0	245.6	26,400*	48.3	250.0	29,000*				185
190	27.1	201.6	17,700*	32.3	216.6	19,500*	35.1	223.8	20,600*	39.2	233.3	22,700*	42.9	240.4	24,900*	46.3	245.3	27,400*				190
195	23.7	190.9	16,800*	29.5	208.1	18,500*	32.5	216.2	19,600*	36.9	226.9	21,500*	40.8	234.7	23,600*	44.3	240.3	25,900*	47.4	243.8	25,000	195
200	19.8	178.2	15,900*	26.4	198.5	17,500*	29.7	207.8	18,500*	34.4	219.8	20,400*	38.5	228.6	22,300*	42.2	234.9	24,500*	45.5	239.0	24,000	200
205	14.9	161.8	14,800*	22.9	187.5	16,600*	26.6	198.3	17,600*	31.8	212.0	19,300*	36.1	222.0	21,200*	40.0	229.1	23,200*	43.4	233.8	23,000	205
210	7.2	135.2	12,400*	18.8	174.1	15,700*	23.1	187.3	16,700*	28.9	203.3	18,300*	33.6	214.7	20,100*	37.7	222.8	21,900*	41.2	228.2	22,100	210
215				13.6	156.5	14,900*	19.1	174.1	15,800*	25.7	193.5	17,400*	30.9	206.7	19,000*	35.2	215.9	20,800*	39.0	222.2	21,200	215
220				3.4	121.5	12,400*	13.9	156.8	14,900*	22.1	182.0	16,500*	28.0	197.7	18,000*	32.7	208.4	19,700*	36.7	215.7	20,300	220
225							4.7	125.0	13,300*	17.9	168.0	15,600*	24.7	187.4	17,100*	29.9	200.0	18,700*	34.2	208.6	19,500	225
230										12.2	148.9	14,700*	20.9	175.3	16,200*	26.8	190.6	17,700*	31.5	200.7	18,700	230
235													16.4	160.1	15,400*	23.4	179.8	16,800*	28.6	191.9	18,000	235
240													9.8	138.0	14,500*	19.4	166.7	15,900*	25.4	181.9	17,300	240
245																14.4	149.9	15,100*	21.8	170.3	16,400*	245
250																5.9	120.8	14,200*	17.4	155.9	15,600*	250
255																			11.5	136.0	14,800*	255

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

110 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	67.3	185.6	165,700*b																			40
45	62.7	183.2	154,500*b																			45
50	57.9	180.2	138,000*b	67.0	184.6	161,900*b																50
55	52.9	176.6	120,500*	62.5	182.2	151,700*b	67.8	184.1	161,700*b													55
60	47.5	172.3	106,700*	57.7	179.2	137,100*b	63.2	181.7	151,700*b													60
65	41.5	167.0	95,600*	52.6	175.6	119,800*	58.5	178.8	140,800*b													65
70	34.8	160.4	86,400*	47.2	171.2	106,200*	53.5	175.2	122,700*	62.8	179.2	135,000b										70
75	26.4	151.6	78,700*	41.2	165.9	95,500*	48.1	171.0	108,500*	58.0	176.2	123,100b										75
80	13.9	137.2	72,100*	34.4	159.2	86,300*	42.2	165.9	97,100*	53.0	172.6	112,900										80
85				26.0	150.2	78,700*	35.6	159.4	87,700*	47.6	168.3	104,300	57.3	172.7	100,000b							85
90				13.0	135.2	72,100*	27.5	150.9	79,800*	41.7	163.1	96,200*	52.3	169.0	92,800							90
95							15.8	137.6	73,100*	34.9	156.5	87,000*	46.8	164.6	86,400							95
100										26.6	147.7	79,200*	40.8	159.2	80,800	51.2	164.4	77,500				100
105										14.3	133.5	72,600*	33.8	152.4	75,800	45.7	159.8	72,700				105
110													25.3	143.2	71,300	39.5	154.1	68,400				110
115													11.5	127.1	67,100	32.3	146.9	64,500	44.0	153.7	61,800	115
120																23.2	137.0	60,900	37.6	147.7	58,400	120
125																4.9	115.3	57,500	30.1	140.0	55,300	125
130																			20.0	128.7	52,400	130

110 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	70.2	196.4	160,400*b																			40
45	66.4	194.3	150,000*b																			45
50	62.4	191.9	138,900*b	70.1	195.5	156,900*b																50
55	58.2	188.9	121,200*	66.2	193.4	147,400*b																55
60	53.8	185.4	107,300*	62.2	190.8	138,000*b	66.8	192.8	147,400*b													60
65	49.2	181.3	96,100*	58.0	187.8	120,500*	62.8	190.3	139,000*b													65
70	44.2	176.4	87,100*	53.6	184.3	106,800*	58.7	187.4	123,400*													70
75	38.7	170.6	79,300*	49.0	180.2	95,900*	54.3	184.0	109,100*	62.4	187.8	122,500b										75
80	32.4	163.3	72,600*	43.9	175.3	86,700*	49.7	180.0	97,600*	58.3	184.9	112,400										80
85	24.6	153.8	66,900*	38.4	169.4	79,000*	44.8	175.2	88,100*	53.9	181.4	103,800										85
90	13.0	138.3	61,800*	32.0	162.0	72,400*	39.3	169.5	80,100*	49.3	177.3	96,300	57.7	181.4	92,200							90
95				24.2	152.3	66,700*	33.1	162.4	73,400*	44.3	172.5	87,300*	53.3	177.8	85,900							95
100				12.1	136.2	61,700*	25.6	153.2	67,600*	38.8	166.6	79,500*	48.6	173.6	80,300							100
105							14.7	138.9	62,500*	32.5	159.4	72,800*	43.6	168.7	75,300	52.4	173.2	72,100				105
110										24.8	149.9	67,100*	38.0	162.7	70,900	47.6	168.9	67,800				110
115										13.3	134.6	62,100*	31.5	155.2	66,800	42.5	163.7	64,000				115
120													23.5	145.2	63,200	36.8	157.5	60,500	46.3	162.9	57,800	120
125													10.7	128.0	59,700	30.1	149.6	57,300	41.0	157.5	54,800	125
130																21.6	138.9	54,300	35.1	150.9	52,000	130
135																4.5	115.6	51,400	28.0	142.4	49,400	135
140																			18.6	130.3	46,900	140

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

110 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	73.9	207.7	159,300*b																			38
40	72.5	207.0	155,100*b																			40
45	69.1	205.2	145,500*b																			45
50	65.7	203.1	136,200*b																			50
55	62.1	200.5	121,700*	69.0	204.2	143,100*b																55
60	58.4	197.6	107,700*	65.5	202.1	135,000*b																60
65	54.6	194.1	96,400*	61.9	199.5	121,000*	66.1	201.5	135,300*b													65
70	50.5	190.2	87,300*	58.2	196.5	107,200*	62.5	199.0	123,900*													70
75	46.2	185.6	79,400*	54.4	193.1	96,000*	58.8	196.1	109,500*													75
80	41.5	180.3	72,800*	50.3	189.1	86,700*	55.0	192.7	97,900*	62.2	196.5	112,000										80
85	36.4	173.9	67,000*	46.0	184.5	79,100*	51.0	188.8	88,300*	58.5	193.6	103,300										85
90	30.4	166.1	62,000*	41.3	179.1	72,500*	46.7	184.3	80,300*	54.6	190.2	95,800										90
95	23.2	155.8	57,600*	36.1	172.7	66,800*	42.1	179.1	73,500*	50.6	186.2	87,600*	57.9	190.1	85,400							95
100	12.2	139.3	53,500*	30.1	164.7	61,800*	37.0	172.8	67,700*	46.3	181.6	79,700*	54.1	186.6	79,800							100
105				22.8	154.3	57,400*	31.1	165.2	62,600*	41.6	176.3	73,000*	50.0	182.6	74,900							105
110				11.3	137.1	53,500*	24.1	155.3	58,100*	36.5	170.0	67,200*	45.6	177.9	70,500							110
115							13.8	140.0	54,100*	30.6	162.2	62,200*	40.9	172.4	66,500	49.1	177.8	63,500				115
120										23.3	152.0	57,800*	35.7	165.9	62,800	44.7	173.0	60,000				120
125										12.5	135.7	53,800*	29.6	157.9	59,500	39.9	167.4	56,900	48.0	172.0	54,300	125
130													22.1	147.2	56,500	34.6	160.6	54,000	43.5	166.9	51,500	130
135													10.0	128.8	53,300*	28.3	152.1	51,300	38.5	161.0	49,000	135
140																20.3	140.6	48,800	33.0	153.9	46,600	140
145																4.2	115.9	46,300	26.4	144.8	44,400	145
150																			17.5	131.8	42,300	150

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

110 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	75.5	218.1	153,400*b																			38
40	74.3	217.5	149,600*b																			40
45	71.3	215.9	140,700*b																			45
50	68.3	214.0	132,600*b																			50
55	65.1	211.7	121,900*																			55
60	61.9	209.2	107,800*	68.1	213.0	131,100*b																60
65	58.6	206.2	96,400*	65.0	210.7	121,200*																65
70	55.1	202.9	87,200*	61.7	208.2	107,200*	65.5	210.2	124,000*													70
75	51.5	199.0	79,300*	58.4	205.2	96,000*	62.3	207.7	109,500*													75
80	47.7	194.7	72,600*	54.9	201.8	86,700*	58.9	204.8	97,900*													80
85	43.6	189.7	66,900*	51.3	198.0	79,000*	55.5	201.4	88,300*	62.0	205.2	102,800										85
90	39.3	183.9	61,800*	47.5	193.6	72,400*	51.9	197.7	80,200*	58.6	202.2	95,300										90
95	34.4	177.0	57,400*	43.4	188.5	66,600*	48.1	193.4	73,400*	55.2	198.9	87,500*										95
100	28.8	168.6	53,500*	39.0	182.7	61,600*	44.1	188.4	67,500*	51.6	195.1	79,600*										100
105	21.9	157.7	50,000*	34.1	175.7	57,300*	39.8	182.7	62,400*	47.8	190.7	72,900*	54.7	195.3	74,300							105
110	11.5	140.2	46,700*	28.5	167.3	53,400*	35.0	176.0	57,900*	43.7	185.7	67,100*	51.1	191.4	69,900							110
115				21.5	156.2	49,900*	29.5	167.8	54,000*	39.3	179.9	62,000*	47.2	187.0	65,900							115
120				10.7	138.0	46,700*	22.8	157.3	50,400*	34.5	173.1	57,600*	43.1	181.9	62,300	50.3	186.7	59,400				120
125							13.1	141.1	47,200*	28.9	164.7	53,700*	38.7	176.0	59,000	46.4	182.2	56,300				125
130										22.1	153.9	50,200*	33.8	169.0	56,000	42.3	176.9	53,400				130
135										11.8	136.7	47,000*	28.1	160.4	53,200*	37.8	170.8	50,800	45.3	176.2	48,400	135
140													20.9	149.0	49,700*	32.7	163.5	48,300	41.1	170.7	46,000	140
145													9.4	129.6	46,600*	26.8	154.5	46,100	36.4	164.3	43,900	145
150																19.2	142.3	43,900	31.2	156.7	41,900	150
155																3.9	116.2	41,800	24.9	147.0	40,000	155
160																			16.6	133.2	38,200	160

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

110 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	75.8	227.9	142,000*																			40
45	73.1	226.4	135,000*																			45
50	70.3	224.7	127,600*																			50
55	67.5	222.7	120,500*																			55
60	64.7	220.4	111,000*	70.2	223.7	126,200*																60
65	61.7	217.8	99,200*	67.4	221.7	119,900*																65
70	58.7	214.9	89,600*	64.5	219.4	110,400*	67.8	221.1	120,200*													70
75	55.6	211.6	81,500*	61.6	216.8	98,700*	65.0	218.9	112,700*													75
80	52.3	207.9	74,500*	58.5	213.9	89,100*	62.1	216.3	100,600*													80
85	48.9	203.6	68,600*	55.4	210.5	81,100*	59.0	213.4	90,700*													85
90	45.3	198.9	63,400*	52.2	206.8	74,300*	55.9	210.1	82,400*	61.8	213.8	94,700										90
95	41.5	193.5	58,900*	48.8	202.5	68,300*	52.7	206.5	75,300*	58.8	210.9	88,200										95
100	37.3	187.3	54,800*	45.1	197.8	63,200*	49.3	202.3	69,300*	55.6	207.6	81,700*										100
105	32.7	179.9	51,200*	41.3	192.3	58,700*	45.7	197.6	64,000*	52.4	203.9	74,700*										105
110	27.4	171.1	48,000*	37.1	186.0	54,700*	41.9	192.3	59,400*	49.0	199.7	68,800*	55.2	204.0	69,400							110
115	20.9	159.5	45,100*	32.5	178.7	51,100*	37.8	186.2	55,300*	45.4	194.9	63,600*	51.9	200.3	65,400							115
120	10.9	141.2	39,800*	27.1	169.7	47,900*	33.3	179.0	51,700*	41.6	189.5	59,000*	48.5	196.0	61,800							120
125				20.5	158.0	45,000*	28.0	170.3	48,400*	37.4	183.3	55,000*	44.9	191.2	58,500	51.3	195.6	55,700				125
130				10.2	138.9	41,200*	21.7	159.2	45,500*	32.8	176.0	51,400*	41.0	185.7	55,500	47.8	191.2	52,900				130
135							12.4	142.2	42,800*	27.5	167.2	48,100*	36.8	179.3	52,800	44.1	186.3	50,300				135
140										21.0	155.7	45,200*	32.1	171.8	50,300	40.2	180.6	47,800	46.8	185.3	45,500	140
145										11.2	137.6	42,600*	26.7	162.7	47,800*	35.9	174.1	45,600	43.1	180.2	43,300	145
150													19.9	150.7	44,900*	31.1	166.3	43,500	39.1	174.3	41,300	150
155													9.0	130.3	42,200*	25.5	156.8	41,500	34.7	167.5	39,500	155
160																18.3	143.9	39,700	29.7	159.3	37,700	160
165																3.7	116.4	37,800	23.7	149.1	36,100	165
170																			15.8	134.6	34,500	170

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

110 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.5	236.9	126,800*																			45
50	72.0	235.3	121,900*																			50
55	69.5	233.5	117,100*																			55
60	66.9	231.5	109,900*																			60
65	64.3	229.1	98,900*	69.4	232.5	116,300*																65
70	61.6	226.5	89,100*	66.8	230.5	110,100*																70
75	58.8	223.6	81,000*	64.1	228.1	98,400*	67.2	229.9	111,100*													75
80	56.0	220.3	74,100*	61.4	225.5	88,700*	64.6	227.6	100,300*													80
85	53.0	216.6	68,200*	58.7	222.5	80,800*	61.9	225.0	90,300*													85
90	49.9	212.6	63,000*	55.8	219.2	73,900*	59.1	222.1	82,000*													90
95	46.7	208.0	58,500*	52.9	215.6	68,000*	56.3	218.8	74,900*	61.6	222.5	87,600										95
100	43.3	202.9	54,400*	49.8	211.5	62,800*	53.3	215.2	68,900*	58.9	219.6	81,300*										100
105	39.6	197.1	50,800*	46.5	206.9	58,300*	50.3	211.2	63,600*	56.0	216.3	74,400*										105
110	35.7	190.5	47,600*	43.1	201.7	54,300*	47.1	206.7	59,000*	53.1	212.6	68,400*										110
115	31.3	182.7	44,700*	39.4	195.9	50,700*	43.7	201.7	54,900*	50.0	208.6	63,200*	55.6	212.8	64,800							115
120	26.2	173.4	42,100*	35.5	189.2	47,500*	40.0	196.0	51,300*	46.8	204.0	58,600*	52.6	209.1	61,200							120
125	19.9	161.3	39,600*	31.0	181.4	44,600*	36.1	189.4	48,000*	43.3	198.9	54,600*	49.5	204.9	58,000							125
130	10.4	142.0	35,000*	25.9	172.0	42,000*	31.8	181.8	45,000*	39.7	193.2	51,000*	46.3	200.3	55,000	52.0	204.4	52,300				130
135				19.6	159.7	39,500*	26.8	172.7	42,400*	35.7	186.6	47,700*	42.8	195.1	52,300	48.9	200.2	49,600				135
140				9.7	139.7	36,400*	20.7	161.0	39,900*	31.3	178.8	44,800*	39.2	189.3	49,700	45.6	195.5	47,200				140
145							11.9	143.2	37,700*	26.3	169.5	42,200*	35.2	182.5	47,300*	42.1	190.2	45,000	48.0	194.3	42,700	145
150										20.1	157.5	39,700*	30.7	174.6	44,500*	38.4	184.1	43,000	44.7	189.5	40,700	150
155										10.7	138.5	37,500*	25.5	165.0	41,800*	34.3	177.2	41,000	41.1	184.0	38,900	155
160													19.0	152.4	39,500*	29.7	169.0	39,200	37.3	177.7	37,200	160
165													8.6	131.1	37,200*	24.4	158.9	37,500	33.1	170.5	35,600	165
170																17.5	145.4	35,900	28.4	161.8	34,000	170
175																3.5	116.7	34,300	22.7	151.1	32,600	175
180																			15.0	135.9	31,200	180

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

110 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.8	247.3	117,400*																			45
50	73.5	245.8	113,100*																			50
55	71.1	244.2	108,900*																			55
60	68.8	242.3	104,900*																			60
65	66.4	240.2	98,800*	71.0	243.2	109,800*																65
70	64.0	237.8	89,100*	68.7	241.3	106,100*																70
75	61.5	235.2	80,900*	66.3	239.2	99,200*																75
80	58.9	232.2	74,000*	63.8	236.8	89,400*	66.7	238.6	101,100*													80
85	56.3	229.0	68,500*	61.3	234.1	81,300*	64.2	236.3	91,000*													85
90	53.6	225.4	63,200*	58.8	231.2	74,300*	61.7	233.6	82,500*													90
95	50.8	221.4	58,600*	56.1	227.9	68,300*	59.2	230.7	75,300*													95
100	47.8	217.0	54,500*	53.4	224.3	63,000*	56.6	227.5	69,200*	61.5	231.2	81,600										100
105	44.7	212.2	50,900*	50.6	220.3	58,400*	53.9	224.0	63,800*	58.9	228.2	74,800*										105
110	41.5	206.7	47,700*	47.7	215.9	54,400*	51.1	220.1	59,200*	56.3	225.0	68,700*										110
115	38.0	200.6	44,700*	44.6	211.0	50,800*	48.2	215.7	55,000*	53.6	221.4	63,400*										115
120	34.2	193.6	42,100*	41.3	205.5	47,500*	45.1	210.9	51,400*	50.8	217.5	58,800*	56.0	221.5	60,900							120
125	30.0	185.4	39,600*	37.8	199.4	44,600*	41.9	205.5	48,100*	47.9	213.1	54,700*	53.2	217.8	57,700							125
130	25.1	175.6	37,400*	34.0	192.3	42,000*	38.4	199.5	45,100*	44.8	208.2	51,100*	50.4	213.8	54,700							130
135	19.1	162.9	35,400*	29.8	184.1	39,600*	34.6	192.6	42,400*	41.5	202.8	47,800*	47.5	209.4	52,000	52.7	213.2	49,400				135
140	10.0	142.9	31,300*	24.9	174.2	37,300*	30.5	184.6	39,900*	38.1	196.6	44,900*	44.4	204.4	49,500	49.8	209.1	47,000				140
145				18.8	161.3	35,300*	25.7	175.0	37,700*	34.3	189.7	42,200*	41.1	198.9	47,200	46.8	204.6	44,800				145
150				9.3	140.4	32,500*	19.9	162.7	35,600*	30.1	181.5	39,800*	37.5	192.7	44,500*	43.7	199.5	42,700				150
155							11.4	144.2	33,700*	25.2	171.7	37,500*	33.7	185.5	41,900*	40.4	193.9	40,800	46.0	198.6	38,600	155
160										19.2	159.2	35,500*	29.4	177.2	39,500*	36.8	187.5	39,000	42.8	193.4	36,900	160
165										10.2	139.4	33,600*	24.5	167.1	37,300*	32.9	180.1	37,300	39.4	187.6	35,300	165
170													18.3	154.0	35,200*	28.5	171.5	35,800	35.8	180.9	33,800	170
175													8.2	131.7	33,300*	23.4	161.0	34,300	31.8	173.3	32,400	175
180																16.8	146.9	32,900	27.2	164.2	31,100	180
185																3.4	116.9	31,400	21.8	153.0	29,800	185
190																			14.4	137.1	28,600	190

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

110 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.7	256.3	105,800*																			50
55	72.5	254.7	102,100*																			55
60	70.4	253.0	98,500*																			60
65	68.2	251.1	95,000*																			65
70	65.9	248.9	89,400*	70.3	252.0	99,300*																70
75	63.7	246.5	81,100*	68.1	250.1	96,100*																75
80	61.4	243.8	74,000*	65.8	247.9	89,000*																80
85	59.0	240.9	68,000*	63.6	245.5	80,700*	66.2	247.3	90,600*													85
90	56.5	237.7	62,800*	61.2	242.8	73,700*	63.9	244.9	82,100*													90
95	54.0	234.1	58,200*	58.9	239.9	67,800*	61.6	242.3	74,900*													95
100	51.5	230.3	54,100*	56.4	236.6	62,600*	59.2	239.4	68,700*													100
105	48.8	226.0	50,500*	53.9	233.1	58,000*	56.8	236.2	63,400*	61.4	239.8	74,300*										105
110	46.0	221.3	47,200*	51.3	229.2	53,900*	54.3	232.7	58,700*	59.0	236.9	68,200*										110
115	43.0	216.1	44,300*	48.6	224.9	50,300*	51.7	228.9	54,600*	56.6	233.7	63,000*										115
120	39.9	210.4	41,600*	45.8	220.2	47,100*	49.1	224.7	50,900*	54.1	230.2	58,300*										120
125	36.5	203.9	39,200*	42.9	215.0	44,100*	46.3	220.0	47,600*	51.5	226.3	54,200*	56.2	230.2	57,100							125
130	32.9	196.5	37,000*	39.7	209.2	41,500*	43.3	214.9	44,600*	48.8	222.0	50,600*	53.7	226.6	54,200							130
135	28.8	188.0	34,900*	36.4	202.7	39,100*	40.2	209.2	41,900*	46.0	217.4	47,300*	51.1	222.7	51,400							135
140	24.2	177.7	33,000*	32.7	195.3	36,900*	36.9	202.8	39,500*	43.1	212.2	44,400*	48.4	218.4	48,900							140
145	18.4	164.5	31,300*	28.6	186.6	34,800*	33.3	195.6	37,200*	39.9	206.4	41,700*	45.6	213.6	46,600	50.6	218.0	44,200				145
150	9.6	143.7	27,700*	23.9	176.3	33,000*	29.3	187.2	35,200*	36.6	200.0	39,300*	42.6	208.4	44,000*	47.9	213.6	42,100				150
155				18.1	162.9	31,200*	24.7	177.2	33,300*	33.0	192.6	37,100*	39.5	202.5	41,400*	45.0	208.7	40,200				155
160				8.9	141.2	28,800*	19.1	164.4	31,500*	28.9	184.1	35,000*	36.1	195.9	39,000*	42.0	203.4	38,400	47.1	207.7	36,300	160
165							11.0	145.1	29,900*	24.3	173.9	33,100*	32.4	188.5	36,800*	38.8	197.4	36,800	44.2	202.7	34,700	165
170										18.5	160.8	31,400*	28.3	179.7	34,800*	35.4	190.7	35,200	41.2	197.2	33,200	170
175										9.8	140.2	29,700*	23.6	169.2	32,900*	31.7	183.0	33,800	37.9	191.0	31,800	175
180													17.6	155.5	31,200*	27.4	174.0	32,400	34.4	184.1	30,500	180
185													7.9	132.4	29,500*	22.5	163.0	31,100	30.6	176.0	29,300	185
190																16.1	148.2	29,800	26.2	166.6	28,100	190
195																3.2	117.2	28,500	20.9	154.8	27,000	195
200																			13.9	138.3	25,900	200

MANITOWOC CRANES, INC.

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LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
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THE SCOPE OF ANSI B30.5

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

110 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.7	266.6	100,700*																			50
55	73.7	265.2	97,600*																			55
60	71.7	263.6	94,500*																			60
65	69.7	261.8	91,400*																			65
70	67.6	259.8	88,500*																			70
75	65.6	257.6	81,900*	69.6	260.8	92,200*																75
80	63.4	255.2	74,800*	67.5	258.8	89,500*																80
85	61.3	252.5	68,700*	65.5	256.6	81,600*	67.9	258.2	89,500*													85
90	59.1	249.6	63,300*	63.3	254.1	74,500*	65.8	256.0	82,900*													90
95	56.8	246.4	58,700*	61.2	251.5	68,400*	63.7	253.6	75,600*													95
100	54.5	242.9	54,500*	58.9	248.5	63,100*	61.5	251.0	69,400*													100
105	52.1	239.1	50,800*	56.7	245.3	58,500*	59.3	248.1	63,900*													105
110	49.6	234.9	47,500*	54.3	241.8	54,400*	57.0	244.9	59,200*	61.3	248.5	68,900*										110
115	47.0	230.4	44,600*	51.9	238.0	50,700*	54.7	241.5	55,000*	59.1	245.6	63,500*										115
120	44.3	225.4	41,900*	49.5	233.8	47,400*	52.3	237.7	51,300*	56.8	242.4	58,800*										120
125	41.5	219.9	39,400*	46.9	229.3	44,500*	49.9	233.6	47,900*	54.5	238.9	54,700*										125
130	38.5	213.9	37,200*	44.2	224.3	41,800*	47.3	229.1	44,900*	52.1	235.1	51,000*	56.5	238.8	53,600							130
135	35.2	207.1	35,100*	41.3	218.8	39,300*	44.6	224.2	42,200*	49.6	231.0	47,700*	54.2	235.3	50,900							135
140	31.7	199.4	33,200*	38.3	212.7	37,100*	41.8	218.8	39,700*	47.0	226.4	44,700*	51.8	231.5	48,400							140
145	27.8	190.5	31,500*	35.1	205.8	35,000*	38.8	212.8	37,400*	44.4	221.5	42,000*	49.3	227.3	46,100							145
150	23.3	179.8	29,800*	31.6	198.1	33,100*	35.6	206.1	35,400*	41.5	216.0	39,500*	46.7	222.7	44,000	51.3	226.8	41,600				150
155	17.8	166.1	27,500*	27.6	189.1	31,400*	32.1	198.5	33,500*	38.5	209.9	37,300*	44.0	217.7	41,600*	48.8	222.6	39,700				155
160	9.3	144.5	23,700*	23.1	178.3	29,800*	28.3	189.7	31,700*	35.3	203.2	35,200*	41.1	212.1	39,200*	46.1	217.9	37,900				160
165				17.4	164.4	28,300*	23.9	179.3	30,000*	31.8	195.5	33,300*	38.1	206.0	37,000*	43.4	212.8	36,300				165
170				8.6	141.9	24,800*	18.5	166.0	28,500*	27.9	186.6	31,500*	34.8	199.1	34,900*	40.5	207.1	34,700	45.4	211.9	32,700	170
175							10.6	146.0	26,300*	23.4	175.9	29,900*	31.3	191.3	33,100*	37.5	200.8	33,300	42.6	206.6	31,300	175
180										17.9	162.3	28,400*	27.3	182.2	31,300*	34.2	193.8	31,900	39.7	200.8	30,000	180
185										9.5	141.0	26,900*	22.7	171.2	29,700*	30.5	185.7	30,600	36.6	194.3	28,800	185
190													17.0	157.0	28,200*	26.5	176.3	29,400	33.2	187.0	27,600	190
195													7.6	133.0	26,800*	21.7	164.9	28,200	29.5	178.7	26,500	195
200																15.6	149.6	27,100	25.2	168.8	25,400	200
205																3.1	117.4	25,900	20.2	156.6	24,400	205
210																			13.4	139.5	23,400	210

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

110 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.8	275.6	91,400*																			55
60	72.9	274.1	88,600*																			60
65	71.0	272.5	85,900*																			65
70	69.1	270.6	83,100*																			70
75	67.2	268.5	80,500*	70.9	271.5	86,300*																75
80	65.2	266.3	74,200*	69.0	269.6	83,800*																80
85	63.2	263.8	68,100*	67.1	267.6	81,100*																85
90	61.2	261.1	62,800*	65.1	265.3	74,000*	67.4	267.0	81,400*													90
95	59.1	258.2	58,100*	63.1	262.8	67,900*	65.4	264.7	75,100*													95
100	57.0	255.0	54,000*	61.1	260.1	62,600*	63.4	262.3	68,900*													100
105	54.8	251.6	50,300*	59.0	257.2	58,000*	61.4	259.6	63,400*													105
110	52.6	247.9	47,000*	56.9	254.0	53,800*	59.3	256.7	58,700*													110
115	50.3	243.8	44,000*	54.7	250.5	50,200*	57.2	253.6	54,500*	61.2	257.1	63,000*										115
120	47.9	239.4	41,300*	52.5	246.8	46,900*	55.1	250.2	50,700*	59.1	254.2	58,300*										120
125	45.4	234.6	38,900*	50.2	242.7	43,900*	52.8	246.5	47,400*	57.0	251.0	54,100*										125
130	42.8	229.4	36,600*	47.8	238.3	41,200*	50.5	242.5	44,400*	54.9	247.6	50,400*										130
135	40.1	223.6	34,600*	45.3	233.5	38,800*	48.2	238.1	41,700*	52.6	243.9	47,100*	56.7	247.5	50,300							135
140	37.2	217.2	32,700*	42.7	228.2	36,600*	45.7	233.3	39,200*	50.3	239.8	44,100*	54.5	244.1	47,800							140
145	34.1	210.2	30,900*	39.9	222.4	34,500*	43.1	228.1	36,900*	47.9	235.4	41,400*	52.3	240.3	45,500							145
150	30.7	202.1	29,300*	37.0	216.0	32,600*	40.4	222.5	34,800*	45.5	230.6	39,000*	50.0	236.2	43,400							150
155	26.9	192.9	27,800*	33.9	208.9	30,900*	37.5	216.2	32,900*	42.9	225.4	36,700*	47.6	231.7	41,100*	51.8	235.6	39,100				155
160	22.6	181.8	26,400*	30.5	200.8	29,200*	34.4	209.2	31,200*	40.1	219.7	34,700*	45.1	226.9	38,700*	49.5	231.5	37,300				160
165	17.2	167.6	24,300*	26.7	191.5	27,700*	31.1	201.3	29,500*	37.2	213.3	32,800*	42.5	221.6	36,500*	47.1	226.9	35,700				165
170	9.0	145.2	20,900*	22.3	180.3	26,300*	27.4	192.1	28,000*	34.1	206.2	31,000*	39.7	215.8	34,400*	44.6	222.0	34,100				170
175				16.9	165.9	25,000*	23.1	181.3	26,600*	30.8	198.2	29,400*	36.8	209.3	32,500*	42.0	216.6	32,700	46.4	221.0	30,700	175
180				8.3	142.6	21,900*	17.8	167.6	25,200*	27.0	189.0	27,900*	33.7	202.1	30,800*	39.2	210.7	31,300	43.9	216.0	29,400	180
185							10.2	146.8	23,300*	22.6	177.9	26,400*	30.3	194.0	29,200*	36.2	204.1	30,000	41.2	210.4	28,200	185
190										17.3	163.8	25,100*	26.4	184.5	27,700*	33.0	196.7	28,800	38.4	204.3	27,000	190
195										9.2	141.8	23,900*	22.0	173.1	26,300*	29.5	188.3	27,700	35.4	197.5	25,900	195
200													16.4	158.4	25,000*	25.6	178.6	26,600	32.1	189.9	24,900	200
205													7.3	133.6	23,700*	21.0	166.7	25,500	28.5	181.2	23,900	205
210																15.0	150.9	24,500	24.4	171.0	23,000	210
215																3.0	117.6	23,500	19.5	158.3	22,000	215
220																			12.9	140.6	21,100	220

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M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

110 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.7	286.0	84,700*																			55
60	73.9	284.6	82,200*																			60
65	72.2	283.0	79,700*																			65
70	70.4	281.3	77,300*																			70
75	68.6	279.4	74,900*																			75
80	66.8	277.3	72,500*	70.3	280.3	77,700*																80
85	64.9	275.0	68,500*	68.5	278.4	75,500*																85
90	63.0	272.5	63,100*	66.7	276.3	73,000*																90
95	61.1	269.8	58,300*	64.8	274.0	68,300*	67.0	275.7	73,100*													95
100	59.2	266.9	54,100*	62.9	271.5	62,900*	65.1	273.4	69,300*													100
105	57.2	263.7	50,400*	61.0	268.8	58,200*	63.2	271.0	63,700*													105
110	55.1	260.3	47,100*	59.1	265.8	54,000*	61.3	268.3	58,900*													110
115	53.0	256.6	44,000*	57.1	262.7	50,300*	59.4	265.4	54,600*													115
120	50.9	252.7	41,300*	55.0	259.3	46,900*	57.4	262.3	50,800*	61.1	265.8	58,500*										120
125	48.7	248.4	38,800*	52.9	255.6	43,900*	55.4	258.9	47,500*	59.2	262.9	54,300*										125
130	46.4	243.7	36,600*	50.8	251.6	41,200*	53.3	255.2	44,400*	57.2	259.7	50,500*										130
135	44.0	238.7	34,500*	48.6	247.3	38,700*	51.1	251.3	41,600*	55.2	256.3	47,200*										135
140	41.5	233.2	32,600*	46.2	242.6	36,500*	48.9	247.0	39,100*	53.1	252.6	44,200*	56.9	256.2	47,500							140
145	38.8	227.2	30,800*	43.8	237.5	34,400*	46.6	242.4	36,800*	50.9	248.7	41,400*	54.9	252.8	45,200							145
150	36.0	220.5	29,100*	41.3	232.0	32,500*	44.2	237.4	34,700*	48.7	244.4	38,900*	52.8	249.1	43,100							150
155	33.0	213.1	27,600*	38.7	226.0	30,700*	41.7	232.0	32,800*	46.4	239.7	36,700*	50.6	245.0	41,100*							155
160	29.7	204.8	26,200*	35.9	219.3	29,100*	39.1	226.0	31,000*	44.0	234.7	34,600*	48.4	240.7	38,600*	52.4	244.4	37,000				160
165	26.1	195.2	24,900*	32.9	211.9	27,600*	36.3	219.5	29,400*	41.5	229.2	32,600*	46.1	236.0	36,400*	50.2	240.4	35,300				165
170	21.9	183.7	23,600*	29.6	203.5	26,100*	33.4	212.2	27,800*	38.9	223.2	30,900*	43.7	230.9	34,300*	47.9	236.0	33,800				170
175	16.6	169.0	21,600*	25.9	193.8	24,800*	30.1	203.9	26,400*	36.1	216.6	29,200*	41.2	225.4	32,400*	45.6	231.2	32,400				175
180	8.7	145.9	18,600*	21.6	182.2	23,600*	26.5	194.5	25,000*	33.1	209.2	27,700*	38.5	219.3	30,700*	43.2	226.0	31,000	47.3	230.1	29,100	180
185				16.3	167.3	22,400*	22.4	183.3	23,800*	29.8	200.9	26,300*	35.7	212.6	29,000*	40.6	220.3	29,800	45.0	225.2	27,900	185
190				8.1	143.3	19,600*	17.3	169.1	22,600*	26.2	191.3	24,900*	32.6	205.1	27,500*	37.9	214.1	28,500	42.5	219.9	26,700	190
195							9.9	147.7	20,900*	21.9	179.9	23,700*	29.3	196.6	26,100*	35.1	207.3	27,400	39.9	214.1	25,600	195
200										16.7	165.3	22,500*	25.6	186.8	24,800*	32.0	199.6	26,300	37.2	207.7	24,600	200
205										8.9	142.5	21,400*	21.3	175.0	23,500*	28.6	190.9	25,300	34.3	200.6	23,600	205
210																24.8	180.8	24,300	31.1	192.7	22,700	210
215																20.3	168.5	23,300*	27.6	183.7	21,800	215
220																14.6	152.1	22,200*	23.7	173.0	20,900	220
225																2.9	117.8	21,000*	18.9	159.9	20,100	225
230																			12.5	141.7	19,300	230

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M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

110 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.9	295.0	77,100*																			60
65	73.2	293.5	74,900*																			65
70	71.5	291.9	72,600*																			70
75	69.8	290.1	70,400*																			75
80	68.1	288.1	67,700*																			80
85	66.4	286.0	64,900*	69.8	289.1	70,800*																85
90	64.6	283.7	62,200*	68.0	287.2	68,000*																90
95	62.9	281.2	57,800*	66.3	285.0	65,300*																95
100	61.1	278.5	53,600*	64.6	282.7	62,300*	66.6	284.4	65,500*													100
105	59.2	275.5	49,900*	62.8	280.2	57,600*	64.8	282.1	63,200*													105
110	57.3	272.4	46,500*	61.0	277.4	53,400*	63.1	279.6	58,400*													110
115	55.4	269.0	43,500*	59.1	274.5	49,700*	61.3	277.0	54,100*													115
120	53.4	265.4	40,800*	57.2	271.4	46,400*	59.4	274.1	50,300*	62.9	277.2	58,000*										120
125	51.4	261.5	38,300*	55.3	268.0	43,400*	57.5	270.9	46,900*	61.1	274.5	53,800*										125
130	49.3	257.3	36,000*	53.3	264.3	40,700*	55.6	267.6	43,900*	59.2	271.5	50,000*										130
135	47.2	252.8	33,900*	51.3	260.4	38,200*	53.7	264.0	41,100*	57.4	268.4	46,600*										135
140	45.0	247.9	32,000*	49.2	256.2	35,900*	51.7	260.1	38,600*	55.4	265.0	43,600*										140
145	42.7	242.6	30,200*	47.1	251.7	33,900*	49.6	256.0	36,300*	53.5	261.4	40,900*	57.1	264.9	44,600							145
150	40.2	236.9	28,600*	44.9	246.7	31,900*	47.4	251.5	34,200*	51.5	257.5	38,400*	55.2	261.5	42,500							150
155	37.7	230.6	27,100*	42.5	241.4	30,200*	45.2	246.6	32,300*	49.4	253.3	36,100*	53.2	257.8	40,500*							155
160	35.0	223.7	25,700*	40.1	235.7	28,500*	42.9	241.4	30,500*	47.2	248.8	34,000*	51.2	253.9	38,100*							160
165	32.1	216.0	24,300*	37.5	229.4	27,000*	40.5	235.7	28,800*	45.0	243.9	32,100*	49.1	249.7	35,800*	52.8	253.2	34,800				165
170	28.9	207.4	23,100*	34.8	222.4	25,600*	38.0	229.5	27,300*	42.7	238.6	30,300*	46.9	245.1	33,800*	50.8	249.2	33,200				170
175	25.3	197.4	21,900*	31.9	214.7	24,300*	35.3	222.7	25,800*	40.3	232.9	28,700*	44.7	240.2	31,900*	48.7	244.9	31,800				175
180	21.2	185.6	20,800*	28.7	206.0	23,000*	32.4	215.1	24,500*	37.7	226.6	27,200*	42.4	234.8	30,100*	46.5	240.3	30,500				180
185	16.2	170.4	19,000*	25.1	196.0	21,900*	29.2	206.6	23,300*	35.0	219.7	25,700*	39.9	229.0	28,500*	44.2	235.3	29,200				185
190	8.4	146.6	16,200*	21.0	184.0	20,800*	25.7	196.8	22,100*	32.1	212.1	24,400*	37.4	222.7	27,000*	41.9	229.8	28,000	45.9	234.3	26,100	190
195				15.9	168.7	19,700*	21.7	185.2	21,000*	28.9	203.5	23,200*	34.6	215.7	25,600*	39.4	223.9	26,900	43.6	229.2	25,000	195
200				7.8	143.9	17,200*	16.8	170.5	19,900*	25.4	193.6	22,000*	31.7	207.9	24,200*	36.8	217.5	25,800	41.2	223.7	24,000	200
205							9.6	148.5	18,400*	21.3	181.7	20,900*	28.5	199.1	23,000*	34.1	210.3	24,800	38.7	217.6	23,100	205
210										16.3	166.7	19,800*	24.9	189.0	21,800*	31.1	202.4	23,800	36.1	211.0	22,100	210
215										8.6	143.2	18,800*	20.7	176.8	20,800*	27.8	193.4	22,800*	33.3	203.6	21,200	215
220													15.4	161.1	19,700*	24.1	182.9	21,600*	30.2	195.4	20,400	220
225													6.9	134.8	18,700*	19.7	170.2	20,600*	26.8	186.0	19,600	225
230																14.2	153.4	19,500*	23.0	175.1	18,800	230
235																2.8	118.0	18,500*	18.4	161.5	18,100	235
240																			12.2	142.7	17,300	240

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

110 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.7	305.4	71,400*																			60
65	74.1	304.0	70,500*																			65
70	72.5	302.4	68,300*																			70
75	70.9	300.7	65,800*																			75
80	69.3	298.9	63,300*																			80
85	67.7	296.9	60,800*	70.9	299.8	65,800*																85
90	66.1	294.7	58,300*	69.3	297.9	63,500*																90
95	64.4	292.4	55,700*	67.6	295.9	61,000*																95
100	62.7	289.8	53,100*	66.0	293.7	58,600*	67.9	295.3	61,100*													100
105	61.0	287.1	49,300*	64.3	291.4	56,100*	66.3	293.1	58,700*													105
110	59.3	284.2	46,000*	62.6	288.8	52,900*	64.6	290.8	57,900*													110
115	57.5	281.1	43,000*	60.9	286.1	49,200*	62.9	288.3	53,600*													115
120	55.7	277.7	40,300*	59.2	283.2	45,900*	61.2	285.6	49,800*													120
125	53.8	274.1	37,800*	57.4	280.0	42,900*	59.4	282.7	46,400*	62.7	285.8	53,100*										125
130	51.9	270.3	35,500*	55.6	276.7	40,200*	57.7	279.6	43,400*	61.0	283.1	49,500*										130
135	49.9	266.2	33,400*	53.7	273.1	37,700*	55.9	276.3	40,600*	59.3	280.2	46,100*										135
140	47.9	261.8	31,500*	51.8	269.2	35,400*	54.0	272.7	38,100*	57.5	277.1	43,100*										140
145	45.9	257.0	29,700*	49.9	265.1	33,400*	52.1	268.9	35,800*	55.7	273.7	40,400*										145
150	43.7	251.9	28,100*	47.8	260.7	31,400*	50.2	264.8	33,700*	53.8	270.2	37,900*	57.3	273.6	42,000							150
155	41.5	246.4	26,600*	45.8	255.9	29,700*	48.2	260.5	31,800*	51.9	266.3	35,600*	55.4	270.2	40,000*							155
160	39.1	240.4	25,200*	43.6	250.8	28,000*	46.1	255.7	30,000*	50.0	262.2	33,500*	53.6	266.6	37,600*							160
165	36.6	233.9	23,800*	41.3	245.2	26,500*	43.9	250.7	28,300*	48.0	257.8	31,600*	51.7	262.7	35,300*							165
170	34.0	226.7	22,600*	39.0	239.2	25,100*	41.7	245.2	26,800*	45.9	253.1	29,800*	49.7	258.6	33,300*							170
175	31.2	218.8	21,400*	36.5	232.7	23,800*	39.4	239.3	25,300*	43.7	248.0	28,200*	47.7	254.1	31,400*	51.3	258.0	31,300				175
180	28.1	209.9	20,300*	33.9	225.5	22,600*	36.9	232.8	24,000*	41.5	242.4	26,700*	45.6	249.3	29,600*	49.3	253.8	29,900				180
185	24.6	199.6	19,300*	31.0	217.5	21,400*	34.3	225.7	22,800*	39.2	236.5	25,200*	43.4	244.2	28,000*	47.3	249.3	28,700				185
190	20.6	187.4	18,300*	27.9	208.5	20,300*	31.5	217.9	21,600*	36.7	230.0	23,900*	41.2	238.6	26,500*	45.2	244.5	27,500				190
195	15.7	171.8	16,700*	24.4	198.2	19,300*	28.4	209.1	20,500*	34.0	222.8	22,700*	38.8	232.5	25,100*	43.0	239.2	26,400	46.7	243.4	24,500	195
200				20.4	185.8	18,300*	25.0	199.0	19,400*	31.2	214.9	21,500*	36.3	226.0	23,700*	40.7	233.6	25,300	44.6	238.4	23,500	200
205	8.2	147.3	14,100*	15.4	170.0	17,400*	21.1	187.0	18,400*	28.1	206.0	20,400*	33.7	218.7	22,500*	38.3	227.4	24,300	42.4	233.1	22,500	205
210				7.6	144.6	15,000*	16.3	171.9	17,500*	24.7	195.7	19,400*	30.8	210.7	21,400*	35.8	220.7	23,300	40.1	227.3	21,600	210
215							9.3	149.3	16,100*	20.7	183.6	18,400*	27.7	201.6	20,300*	33.1	213.3	22,300*	37.7	221.0	20,800	215
220										15.8	168.1	17,400*	24.2	191.1	19,200*	30.2	205.1	21,100*	35.1	214.1	19,900	220
225										8.4	143.9	16,500*	20.1	178.6	18,300*	27.0	195.8	20,100*	32.3	206.5	19,100	225
230													15.0	162.4	17,300*	23.4	185.0	19,100*	29.4	198.0	18,400	230
235													6.7	135.3	16,400*	19.2	171.9	18,100*	26.1	188.4	17,600	235
240																13.8	154.6	17,200*	22.3	177.0	16,900	240
245																2.7	118.2	16,300*	17.9	163.1	16,200	245
250																			11.8	143.7	15,600	250

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

110 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.9	314.4	63,900*																			65
70	73.4	312.9	63,200*																			70
75	71.9	311.3	61,200*																			75
80	70.4	309.6	58,800*																			80
85	68.9	307.7	56,300*																			85
90	67.3	305.6	53,900*	70.3	308.6	58,800*																90
95	65.8	303.4	51,400*	68.8	306.7	56,400*																95
100	64.2	301.1	49,000*	67.3	304.6	54,100*																100
105	62.6	298.5	46,600*	65.7	302.4	51,700*	67.5	304.0	54,200*													105
110	60.9	295.8	44,300*	64.1	300.1	49,300*	65.9	301.9	51,900*													110
115	59.3	292.9	42,100*	62.5	297.5	46,900*	64.4	299.5	49,600*													115
120	57.6	289.8	39,700*	60.9	294.8	44,700*	62.8	297.0	47,300*													120
125	55.9	286.4	37,200*	59.2	291.8	42,300*	61.1	294.3	45,100*													125
130	54.1	282.9	35,000*	57.5	288.7	39,600*	59.5	291.4	42,800*	62.6	294.5	46,600*										130
135	52.3	279.1	32,900*	55.8	285.4	37,100*	57.8	288.3	40,000*	61.0	291.8	44,500*										135
140	50.5	275.0	31,000*	54.0	281.8	34,900*	56.1	285.0	37,500*	59.3	288.9	42,400*										140
145	48.6	270.7	29,200*	52.2	278.0	32,800*	54.3	281.5	35,200*	57.6	285.8	39,800*										145
150	46.6	266.1	27,500*	50.4	274.0	30,900*	52.5	277.7	33,100*	55.9	282.4	37,300*										150
155	44.6	261.2	26,000*	48.5	269.6	29,100*	50.7	273.7	31,200*	54.2	278.9	35,100*	57.4	282.3	39,500*							155
160	42.5	255.8	24,600*	46.5	265.0	27,500*	48.8	269.4	29,400*	52.4	275.1	33,000*	55.7	278.9	37,000*							160
165	40.4	250.1	23,300*	44.5	260.0	26,000*	46.9	264.8	27,800*	50.5	271.1	31,000*	53.9	275.3	34,800*							165
170	38.1	243.9	22,000*	42.4	254.7	24,600*	44.9	259.9	26,200*	48.6	266.8	29,300*	52.1	271.5	32,700*							170
175	35.7	237.1	20,900*	40.2	248.9	23,200*	42.8	254.6	24,800*	46.7	262.1	27,600*	50.3	267.4	30,800*							175
180	33.1	229.7	19,800*	38.0	242.7	22,000*	40.6	248.9	23,500*	44.7	257.2	26,100*	48.4	263.1	29,100*	51.7	266.9	29,400				180
185	30.3	221.5	18,700*	35.5	235.9	20,800*	38.3	242.8	22,200*	42.6	251.9	24,700*	46.4	258.4	27,400*	49.9	262.7	28,100				185
190	27.3	212.3	17,800*	33.0	228.4	19,700*	35.9	236.1	21,000*	40.4	246.1	23,400*	44.4	253.4	25,900*	48.0	258.3	26,900				190
195	24.0	201.7	16,800*	30.2	220.2	18,700*	33.4	228.7	19,900*	38.1	239.9	22,100*	42.3	248.0	24,500*	46.0	253.6	25,800				195
200	20.1	189.1	16,000*	27.2	210.9	17,700*	30.7	220.6	18,900*	35.7	233.2	20,900*	40.1	242.3	23,200*	44.0	248.5	24,700	47.4	252.4	22,900	200
205	15.3	173.1	14,500*	23.8	200.3	16,800*	27.7	211.5	17,900*	33.1	225.8	19,800*	37.8	236.0	22,000*	41.8	243.1	23,700	45.5	247.6	22,000	205
210	8.0	148.0	12,100*	19.9	187.6	15,900*	24.4	201.1	17,000*	30.4	217.6	18,800*	35.4	229.2	20,800*	39.6	237.2	22,800	43.4	242.4	21,000	210
215				15.0	171.3	15,100*	20.6	188.8	16,100*	27.4	208.4	17,800*	32.8	221.7	19,700*	37.3	230.8	21,700*	41.2	236.9	20,200	215
220				7.4	145.2	13,000*	15.9	173.3	15,300*	24.1	197.9	16,900*	30.0	213.3	18,700*	34.9	223.9	20,600*	39.0	230.9	19,300	220
225							9.1	150.1	14,000*	20.2	185.3	16,000*	27.0	204.0	17,700*	32.2	216.2	19,500*	36.7	224.3	18,600	225
230										15.4	169.4	15,200*	23.6	193.2	16,800*	29.4	207.7	18,500*	34.2	217.2	17,800	230
235										8.2	144.6	14,400*	19.6	180.3	15,900*	26.3	198.1	17,500*	31.5	209.4	17,100	235
240													14.6	163.7	15,100*	22.8	187.0	16,600*	28.6	200.6	16,400	240
245													6.5	135.9	14,300*	18.7	173.5	15,800*	25.4	190.6	15,700	245
250																13.4	155.7	15,000*	21.8	178.9	15,100	250
255																2.6	118.4	14,100*	17.4	164.6	14,400	255
260																			11.5	144.7	13,800	260

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

120 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	67.6	195.8	165,800*b																			40
45	63.0	193.4	154,200*b																			45
50	58.3	190.4	139,400*b	68.1	195.1	163,600*b																50
55	53.3	186.9	121,600*	63.6	192.7	153,600*b																55
60	47.9	182.6	107,600*	58.9	189.9	142,100*b	64.8	192.4	154,400*b													60
65	42.0	177.4	96,300*	53.9	186.4	123,600*	60.2	189.7	144,600*b													65
70	35.3	170.9	87,000*	48.6	182.3	109,200*	55.3	186.4	128,500*b													70
75	27.1	162.3	79,200*	42.8	177.2	98,000*	50.0	182.4	113,100*	60.5	187.5	121,700b										75
80	15.2	148.6	72,500*	36.2	170.9	88,400*	44.4	177.6	100,800*	55.6	184.2	111,700b										80
85				28.2	162.6	80,400*	38.0	171.7	90,800*	50.4	180.3	103,100										85
90				17.1	150.0	73,600*	30.5	164.0	82,400*	44.8	175.6	95,600	55.8	181.0	91,200b							90
95							20.6	153.1	75,300*	38.5	169.8	89,100	50.6	177.1	85,000							95
100										31.2	162.3	83,100*	45.0	172.4	79,500							100
105										21.6	151.7	75,900*	38.7	166.6	74,500	50.4	172.8	71,000				105
110													31.4	159.2	70,100	44.7	168.0	66,800				110
115													21.9	148.8	66,100	38.4	162.2	63,000				115
120																31.1	154.7	59,600	44.0	162.4	56,700	120
125																21.4	144.1	56,400	37.6	156.4	53,700	125
130																			30.1	148.6	50,900	130
135																			20.0	137.4	48,400	135

MANITOWOC CRANES, INC.

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M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

120 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	70.5	206.6	160,100*b																			40
45	66.6	204.5	150,100*b																			45
50	62.7	202.0	138,900*b	71.0	205.8	158,200*b																50
55	58.5	199.1	122,300*	67.1	203.8	148,900*b																55
60	54.1	195.7	108,200*	63.2	201.4	139,500*b																60
65	49.5	191.6	96,800*	59.0	198.5	124,400*	64.2	201.1	141,400*b													65
70	44.6	186.8	87,700*	54.7	195.2	109,800*	60.1	198.3	129,200*													70
75	39.1	181.0	79,800*	50.1	191.2	98,400*	55.9	195.1	113,700*													75
80	32.9	173.9	73,100*	45.2	186.5	88,800*	51.4	191.3	101,300*	60.5	196.1	111,100										80
85	25.3	164.5	67,300*	39.8	180.8	80,700*	46.5	186.8	91,200*	56.2	192.9	102,600										85
90	14.1	149.8	62,200*	33.7	173.9	73,900*	41.3	181.4	82,700*	51.7	189.2	95,100										90
95				26.3	164.9	68,000*	35.4	174.9	75,600*	46.9	184.7	88,600	56.3	189.7	84,400							95
100				15.9	151.3	62,900*	28.4	166.6	69,500*	41.7	179.5	82,900	51.8	186.0	78,900							100
105							19.2	154.7	64,200*	35.9	173.0	76,200*	47.1	181.6	74,000							105
110										29.0	164.9	70,000*	41.9	176.3	69,600	51.7	181.6	66,200				110
115										20.1	153.5	64,600*	36.1	169.9	65,700	46.9	177.2	62,400				115
120													29.2	161.8	62,100	41.7	171.9	59,000				120
125													20.4	150.5	58,700	35.8	165.4	55,900	46.3	171.6	53,100	125
130																29.0	157.3	53,000	41.0	166.2	50,400	130
135																20.0	145.8	50,400	35.1	159.6	47,900	135
140																			28.0	151.1	45,500	140
145																			18.6	139.0	43,400	145

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

120 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	74.1	217.8	158,500*b																			38
40	72.8	217.1	154,600*b																			40
45	69.4	215.4	145,400*b																			45
50	65.9	213.2	136,000*b																			50
55	62.4	210.7	122,900*	69.8	214.6	144,300*b																55
60	58.7	207.8	108,600*	66.4	212.5	136,400*b																60
65	54.8	204.4	97,100*	62.8	210.1	124,900*	67.3	212.1	137,200*b													65
70	50.8	200.5	87,900*	59.1	207.2	110,300*	63.8	209.8	129,100*													70
75	46.5	196.0	80,000*	55.3	203.9	98,500*	60.1	207.0	114,100*													75
80	41.9	190.7	73,200*	51.3	200.0	88,800*	56.3	203.8	101,600*													80
85	36.7	184.4	67,400*	47.0	195.6	80,900*	52.4	200.1	91,400*	60.4	204.8	102,100										85
90	30.9	176.7	62,300*	42.5	190.4	74,000*	48.2	195.8	83,000*	56.6	201.6	94,700										90
95	23.7	166.6	57,900*	37.4	184.3	68,100*	43.7	190.8	75,800*	52.7	198.0	88,200										95
100	13.2	150.9	53,900*	31.7	176.8	63,000*	38.8	185.0	69,600*	48.5	193.8	82,500	56.7	198.4	78,400							100
105				24.7	167.1	58,500*	33.3	177.9	64,300*	44.1	188.8	76,300*	52.8	194.8	73,500							105
110				15.0	152.6	54,400*	26.7	168.9	59,600*	39.2	183.0	70,100*	48.6	190.6	69,200							110
115							18.1	156.3	55,500*	33.7	176.1	64,700*	44.2	185.7	65,300	52.7	190.4	61,900				115
120										27.3	167.3	60,000*	39.3	179.9	61,700	48.5	186.2	58,600				120
125										18.9	155.1	55,800*	33.9	173.0	58,500	44.0	181.3	55,500				125
130													27.5	164.3	55,500	39.1	175.5	52,600	48.0	180.6	49,900	130
135													19.2	152.2	52,700	33.7	168.5	50,000	43.5	175.6	47,400	135
140																27.2	159.7	47,600	38.5	169.7	45,100	140
145																18.8	147.4	45,300	33.0	162.5	43,000	145
150																			26.4	153.4	41,000	150
155																			17.5	140.5	39,100	155

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

120 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
38	75.7	228.2	152,400*b																			38
40	74.5	227.6	148,800*b																			40
45	71.5	226.0	140,400*b																			45
50	68.5	224.1	132,600*b																			50
55	65.3	221.9	123,000*																			55
60	62.1	219.4	108,700*	68.9	223.4	132,200*b																60
65	58.8	216.4	97,100*	65.7	221.2	124,400*																65
70	55.4	213.1	87,800*	62.5	218.7	110,400*	66.6	220.8	126,300*													70
75	51.8	209.3	79,900*	59.2	215.9	98,500*	63.4	218.4	114,200*													75
80	48.0	205.0	73,100*	55.8	212.6	88,800*	60.1	215.7	101,600*													80
85	43.9	200.0	67,200*	52.2	208.9	80,800*	56.7	212.5	91,400*													85
90	39.6	194.3	62,200*	48.5	204.6	73,900*	53.2	208.9	82,900*	60.4	213.5	94,100										90
95	34.7	187.5	57,700*	44.5	199.7	68,000*	49.5	204.8	75,700*	57.0	210.3	87,600										95
100	29.2	179.3	53,800*	40.1	194.1	62,800*	45.5	200.1	69,500*	53.5	206.8	81,900										100
105	22.5	168.6	50,200*	35.4	187.5	58,300*	41.3	194.7	64,100*	49.8	202.7	76,200*	57.1	207.1	72,900							105
110	12.5	152.0	47,000*	30.0	179.4	54,300*	36.7	188.3	59,400*	45.9	198.0	70,000*	53.6	203.5	68,600							110
115				23.4	169.2	50,700*	31.5	180.7	55,300*	41.7	192.7	64,600*	49.9	199.5	64,700							115
120				14.2	153.8	47,500*	25.3	171.2	51,600*	37.1	186.4	59,800*	46.0	194.9	61,200							120
125							17.1	157.8	48,300*	31.9	178.9	55,600*	41.8	189.5	57,900	49.7	195.1	54,800				125
130										25.8	169.6	51,900*	37.2	183.3	55,000	45.8	190.5	52,000				130
135										17.9	156.6	48,600*	32.1	175.8	52,200	41.6	185.1	49,500				135
140													26.0	166.6	49,700	37.0	178.8	47,100				140
145													18.1	153.8	47,400	31.8	171.3	44,900	45.3	184.9	44,500	145
150																25.8	162.0	42,800	41.1	179.4	42,400	150
155																17.8	149.0	40,900	36.4	173.0	40,500	155
160																			31.2	165.3	38,600	160
165																			24.9	155.6	36,900	165
																			16.6	141.9	35,300	165

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

120 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	76.0	238.0	140,800*																			40
45	73.3	236.5	134,500*																			45
50	70.5	234.8	127,400*																			50
55	67.7	232.9	120,300*																			55
60	64.9	230.6	111,900*	70.9	234.1	127,000*																60
65	61.9	228.0	99,900*	68.1	232.2	120,900*																65
70	58.9	225.1	90,200*	65.2	229.9	113,600*																70
75	55.8	221.8	82,000*	62.3	227.4	101,300*	66.0	229.5	115,500*													75
80	52.6	218.1	75,000*	59.3	224.5	91,300*	63.1	227.1	104,500*													80
85	49.2	214.0	69,000*	56.2	221.3	83,000*	60.1	224.3	93,900*													85
90	45.6	209.2	63,700*	53.0	217.7	75,800*	57.0	221.2	85,100*													90
95	41.8	203.9	59,200*	49.6	213.5	69,700*	53.8	217.6	77,600*	60.3	222.1	87,100										95
100	37.6	197.7	55,100*	46.0	208.9	64,400*	50.5	213.7	71,300*	57.3	219.0	81,400										100
105	33.1	190.5	51,500*	42.3	203.6	59,700*	47.0	209.2	65,700*	54.1	215.5	76,300										105
110	27.8	181.7	48,200*	38.2	197.6	55,600*	43.3	204.1	60,900*	50.8	211.6	71,800*	57.3	215.8	68,000							110
115	21.4	170.5	45,300*	33.7	190.5	51,900*	39.3	198.3	56,700*	47.3	207.1	66,200*	54.2	212.3	64,100							115
120	11.9	153.0	40,600*	28.5	182.0	48,700*	34.9	191.5	52,900*	43.6	202.1	61,300*	50.9	208.4	60,600							120
125				22.3	171.1	45,700*	29.9	183.4	49,500*	39.6	196.3	57,000*	47.4	203.9	57,400							125
130				13.5	155.0	43,000*	24.1	173.3	46,500*	35.3	189.6	53,200*	43.7	198.9	54,500	50.7	204.0	51,500				130
135							16.3	159.2	43,700*	30.4	181.7	49,800*	39.7	193.2	51,800	47.2	199.6	48,900				135
140										24.6	171.8	46,700*	35.4	186.5	49,300	43.5	194.5	46,600				140
145										17.0	158.1	43,900*	30.5	178.6	47,000	39.6	188.7	44,400	46.8	194.0	41,800	145
150													24.8	168.7	44,800	35.2	182.0	42,300	43.1	188.8	39,900	150
155													17.3	155.2	42,800	30.3	174.1	40,400	39.1	183.0	38,100	155
160																24.5	164.1	38,600	34.7	176.1	36,400	160
165																16.9	150.4	36,900	29.7	168.0	34,800	165
170																			23.7	157.7	33,400	170
175																			15.8	143.3	31,900	175

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

120 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.7	247.0	125,900*																			45
50	72.2	245.4	121,100*																			50
55	69.7	243.6	116,700*																			55
60	67.1	241.6	110,000*																			60
65	64.5	239.3	99,600*	70.0	242.9	117,000*																65
70	61.8	236.7	89,800*	67.4	240.9	111,200*																70
75	59.0	233.8	81,500*	64.8	238.6	101,000*																75
80	56.2	230.5	74,500*	62.1	236.1	90,900*	65.5	238.3	104,200*													80
85	53.2	226.9	68,600*	59.4	233.2	82,600*	62.8	235.8	93,600*													85
90	50.1	222.9	63,300*	56.5	230.0	75,500*	60.1	233.0	84,700*													90
95	46.9	218.3	58,800*	53.6	226.4	69,300*	57.3	229.9	77,300*	63.0	233.5	86,500										95
100	43.5	213.3	54,700*	50.5	222.4	64,000*	54.4	226.4	70,900*	60.3	230.8	80,800										100
105	39.9	207.5	51,100*	47.3	218.0	59,300*	51.3	222.5	65,400*	57.5	227.7	75,700										105
110	36.0	201.0	47,800*	44.0	213.0	55,200*	48.2	218.2	60,500*	54.6	224.2	71,200										110
115	31.6	193.3	44,900*	40.4	207.3	51,500*	44.9	213.3	56,300*	51.6	220.4	65,800*	57.6	224.5	63,500							115
120	26.6	184.1	42,200*	36.5	200.9	48,200*	41.3	207.9	52,500*	48.4	216.1	60,900*	54.7	221.0	60,000							120
125	20.4	172.3	39,800*	32.2	193.4	45,300*	37.5	201.7	49,100*	45.1	211.3	56,600*	51.7	217.2	56,800							125
130	11.4	154.0	35,800*	27.2	184.4	42,600*	33.3	194.5	46,000*	41.6	205.9	52,800*	48.5	212.9	53,900							130
135				21.3	173.0	40,100*	28.6	185.9	43,300*	37.8	199.8	49,400*	45.2	208.1	51,200	51.6	212.9	48,300				135
140				12.9	156.1	37,900*	23.0	175.3	40,800*	33.7	192.7	46,300*	41.7	202.7	48,700	48.4	208.6	45,900				140
145							15.5	160.5	38,500*	29.0	184.2	43,500*	37.9	196.6	46,400	45.1	203.8	43,800				145
150										23.5	173.8	41,000*	33.8	189.5	44,300	41.6	198.3	41,700	48.0	203.0	39,300	150
155										16.2	159.5	38,700*	29.1	181.2	42,300	37.8	192.2	39,900	44.7	198.1	37,500	155
160													23.7	170.8	40,500	33.6	185.1	38,100	41.1	192.6	35,800	160
165													16.5	156.7	38,700	29.0	176.6	36,500	37.3	186.4	34,300	165
170																23.4	166.2	34,900	33.1	179.1	32,800	170
175																16.1	151.8	33,400	28.4	170.5	31,400	175
180																			22.7	159.7	30,100	180
185																			15.0	144.6	28,800	185

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

120 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.9	257.3	116,400*																			45
50	73.6	255.9	112,300*																			50
55	71.3	254.3	108,300*																			55
60	68.9	252.4	104,500*																			60
65	66.6	250.3	100,400*																			65
70	64.1	248.0	90,400*	69.2	251.7	106,300*																70
75	61.6	245.3	82,000*	66.9	249.6	101,900*																75
80	59.1	242.4	74,900*	64.4	247.3	91,600*	67.5	249.2	104,000*													80
85	56.5	239.2	68,900*	61.9	244.7	83,100*	65.1	246.9	94,300*													85
90	53.8	235.7	63,600*	59.4	241.9	75,900*	62.6	244.4	85,300*													90
95	51.0	231.7	58,900*	56.8	238.7	69,600*	60.1	241.6	77,700*													95
100	48.0	227.4	54,800*	54.1	235.2	64,200*	57.5	238.5	71,200*	62.8	242.2	80,500										100
105	45.0	222.5	51,200*	51.3	231.3	59,500*	54.8	235.1	65,600*	60.3	239.4	75,400										105
110	41.7	217.1	47,900*	48.4	227.0	55,300*	52.1	231.3	60,700*	57.7	236.4	70,900										110
115	38.2	211.0	44,900*	45.4	222.2	51,600*	49.2	227.1	56,400*	55.0	233.0	66,100*										115
120	34.5	204.1	42,200*	42.1	216.9	48,300*	46.2	222.5	52,600*	52.3	229.2	61,100*	57.8	233.1	59,700							120
125	30.3	196.0	39,800*	38.7	210.9	45,300*	43.0	217.3	49,200*	49.4	225.1	56,800*	55.1	229.7	56,500							125
130	25.5	186.4	37,600*	35.0	204.1	42,600*	39.6	211.5	46,100*	46.4	220.4	52,900*	52.3	226.0	53,600							130
135	19.6	174.0	35,500*	30.8	196.2	40,100*	36.0	204.9	43,300*	43.3	215.3	49,400*	49.5	221.9	50,900							135
140	10.9	154.9	31,900*	26.1	186.7	37,900*	32.0	197.4	40,800*	39.9	209.6	46,300*	46.5	217.3	48,500	52.2	221.7	45,600				140
145				20.4	174.8	35,800*	27.5	188.4	38,500*	36.3	203.1	43,500*	43.3	212.1	46,200	49.4	217.5	43,500				145
150				12.3	157.1	33,900*	22.1	177.3	36,300*	32.3	195.6	41,000*	40.0	206.4	44,100	46.4	212.9	41,500				150
155							14.9	161.8	34,400*	27.8	186.7	38,700*	36.4	199.9	42,100	43.2	207.7	39,600				155
160										22.5	175.8	36,500*	32.4	192.5	40,300	39.9	202.0	37,900	46.0	207.3	35,500	160
165										15.6	160.8	34,500*	28.0	183.7	38,600	36.2	195.5	36,200	42.8	202.1	34,000	165
170													22.7	172.8	36,600*	32.3	188.0	34,700	39.4	196.2	32,600	170
175													15.8	158.0	34,600*	27.8	179.1	33,300	35.8	189.6	31,200	175
180																22.5	168.2	31,900	31.8	182.0	29,900	180
185																15.5	153.1	30,600	27.2	172.9	28,700	185
190																			21.8	161.6	27,500	190
195																			14.4	145.8	26,400	195

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

120 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.8	266.3	105,000*																			50
55	72.7	264.8	101,500*																			55
60	70.5	263.1	97,900*																			60
65	68.3	261.2	94,600*																			65
70	66.1	259.0	90,000*	70.8	262.4	99,300*																70
75	63.8	256.6	81,600*	68.6	260.5	96,300*																75
80	61.5	254.0	74,500*	66.4	258.4	91,200*																80
85	59.1	251.1	68,400*	64.1	256.0	82,600*	67.0	257.9	93,700*													85
90	56.7	247.9	63,100*	61.8	253.4	75,400*	64.7	255.6	84,900*													90
95	54.2	244.4	58,500*	59.4	250.5	69,200*	62.4	253.1	77,300*													95
100	51.6	240.5	54,400*	57.0	247.4	63,800*	60.1	250.3	70,800*													100
105	49.0	236.3	50,700*	54.5	243.9	59,100*	57.7	247.2	65,200*	62.6	250.9	74,900										105
110	46.2	231.7	47,400*	52.0	240.1	54,900*	55.2	243.8	60,300*	60.3	248.1	70,400										110
115	43.2	226.5	44,500*	49.3	235.9	51,200*	52.7	240.1	56,000*	57.9	245.0	65,600*										115
120	40.1	220.8	41,800*	46.5	231.3	47,800*	50.0	236.0	52,100*	55.4	241.7	60,700*										120
125	36.8	214.4	39,300*	43.6	226.2	44,800*	47.3	231.6	48,700*	52.9	238.0	56,300*	57.9	241.8	55,900							125
130	33.2	207.1	37,100*	40.5	220.6	42,100*	44.4	226.6	45,600*	50.2	233.9	52,400*	55.5	238.5	53,000							130
135	29.1	198.6	35,100*	37.2	214.3	39,700*	41.3	221.1	42,800*	47.5	229.5	49,000*	52.9	234.8	50,300							135
140	24.5	188.5	33,200*	33.6	207.1	37,400*	38.1	215.0	40,300*	44.6	224.6	45,900*	50.3	230.7	47,900							140
145	18.9	175.6	31,400*	29.7	198.8	35,300*	34.6	208.1	38,000*	41.6	219.1	43,100*	47.6	226.3	45,600	52.8	230.4	42,900				145
150	10.5	155.8	28,300*	25.1	188.9	33,400*	30.8	200.1	35,900*	38.4	213.1	40,500*	44.7	221.4	43,500	50.2	226.4	40,900				150
155				19.7	176.5	31,600*	26.4	190.7	33,900*	34.9	206.2	38,200*	41.7	216.0	41,600	47.4	221.9	39,000				155
160				11.9	158.1	30,000*	21.2	179.1	32,100*	31.1	198.3	36,100*	38.5	209.9	39,800	44.6	217.0	37,300	47.1	216.3	33,400	160
165							14.3	163.0	30,400*	26.8	189.1	34,100*	35.0	203.1	38,000	41.6	211.6	35,700	44.2	211.4	31,900	165
170										21.7	177.7	32,300*	31.2	195.3	36,100*	38.3	205.5	34,200				170
175										15.0	162.1	30,600*	26.9	186.1	34,200*	34.9	198.6	32,700	41.2	205.9	30,600	175
180													21.8	174.7	32,300*	31.0	190.7	31,400	37.9	199.7	29,300	180
185													15.2	159.3	30,700*	26.7	181.5	30,100	34.4	192.7	28,100	185
190																21.6	170.1	28,900	30.6	184.7	27,000	190
195																14.9	154.4	27,700	26.2	175.2	25,900	195
200																			20.9	163.5	24,800	200
205																			13.9	147.0	23,800	205

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

120 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.9	276.7	99,800*																			50
55	73.9	275.3	96,800*																			55
60	71.9	273.7	93,800*																			60
65	69.8	271.9	90,900*																			65
70	67.8	269.9	88,100*																			70
75	65.7	267.7	82,400*	70.1	271.2	92,000*																75
80	63.6	265.3	75,200*	68.0	269.3	89,500*																80
85	61.4	262.7	69,100*	66.0	267.1	83,500*																85
90	59.2	259.8	63,700*	63.8	264.7	76,100*	66.5	266.7	85,700*													90
95	56.9	256.6	59,000*	61.7	262.1	69,800*	64.4	264.3	78,000*													95
100	54.6	253.1	54,800*	59.5	259.2	64,400*	62.3	261.8	71,400*													100
105	52.2	249.3	51,100*	57.2	256.0	59,600*	60.1	259.0	65,700*													105
110	49.8	245.2	47,800*	54.9	252.6	55,300*	57.8	255.9	60,800*	62.4	259.5	69,800										110
115	47.2	240.7	44,800*	52.5	248.9	51,600*	55.5	252.5	56,400*	60.2	256.8	65,800										115
120	44.5	235.8	42,100*	50.1	244.8	48,200*	53.2	248.9	52,500*	58.0	253.7	61,200*										120
125	41.7	230.3	39,600*	47.5	240.3	45,200*	50.7	244.9	49,100*	55.7	250.4	56,800*										125
130	38.7	224.3	37,300*	44.8	235.5	42,400*	48.2	240.5	45,900*	53.4	246.8	52,800*										130
135	35.5	217.6	35,300*	42.0	230.1	39,900*	45.6	235.8	43,100*	50.9	242.8	49,300*	55.8	247.2	49,800							135
140	32.0	209.9	33,300*	39.1	224.1	37,600*	42.8	230.5	40,600*	48.4	238.5	46,200*	53.4	243.5	47,300							140
145	28.1	201.1	31,600*	35.9	217.5	35,500*	39.9	224.8	38,200*	45.8	233.7	43,300*	51.0	239.6	45,100							145
150	23.7	190.6	29,900*	32.4	210.0	33,600*	36.8	218.3	36,100*	43.0	228.5	40,800*	48.5	235.3	43,000							150
155	18.2	177.2	27,900*	28.6	201.4	31,800*	33.4	211.1	34,100*	40.1	222.8	38,400*	45.8	230.6	41,100	50.9	235.2	38,500				155
160	10.1	156.6	24,200*	24.3	191.1	30,200*	29.7	202.8	32,300*	37.0	216.4	36,300*	43.1	225.4	39,200	48.4	230.9	36,700				160
165				19.0	178.1	28,600*	25.5	193.0	30,600*	33.7	209.2	34,300*	40.2	219.7	37,500	45.7	226.2	35,100				165
170				11.4	159.1	26,100*	20.5	180.9	29,000*	30.0	201.0	32,400*	37.1	213.3	35,900	43.0	221.0	33,600				170
175							13.8	164.2	27,600*	25.8	191.4	30,700*	33.8	206.1	34,300*	40.1	215.2	32,200	45.4	220.6	30,000	175
180										20.9	179.5	29,200*	30.1	197.9	32,500*	37.0	208.8	30,900	42.6	215.3	28,800	180
185										14.5	163.4	27,700*	26.0	188.4	30,800*	33.6	201.6	29,600	39.7	209.5	27,600	185
190													21.1	176.6	29,200*	29.9	193.4	28,400	36.6	203.0	26,400	190
195													14.7	160.6	27,700*	25.8	183.8	27,300	33.2	195.7	25,400	195
200																20.9	171.9	26,200	29.5	187.3	24,400	200
205																14.4	155.7	25,100	25.2	177.5	23,400	205
210																			20.2	165.2	22,500	210
215																			13.4	148.1	21,500	215

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

120 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.9	285.7	89,300*																			55
60	73.0	284.2	86,700*																			60
65	71.2	282.6	84,100*																			65
70	69.2	280.7	81,500*																			70
75	67.3	278.7	79,000*																			75
80	65.4	276.5	75,500*	69.5	280.0	82,600*																80
85	63.4	274.0	69,200*	67.6	278.0	80,300*																85
90	61.3	271.3	63,700*	65.6	275.8	76,400*																90
95	59.3	268.4	59,000*	63.6	273.4	70,000*	66.1	275.4	78,400*													95
100	57.1	265.3	54,700*	61.6	270.7	64,400*	64.1	273.0	71,700*													100
105	55.0	261.8	51,000*	59.5	267.8	59,600*	62.1	270.4	65,900*													105
110	52.7	258.1	47,600*	57.4	264.7	55,300*	60.1	267.6	60,800*													110
115	50.4	254.1	44,600*	55.2	261.3	51,400*	58.0	264.6	56,400*	62.3	268.2	65,200										115
120	48.1	249.7	41,800*	53.0	257.7	48,000*	55.8	261.2	52,400*	60.2	265.4	61,200*										120
125	45.6	244.9	39,300*	50.7	253.7	44,900*	53.6	257.6	48,900*	58.1	262.4	56,700*										125
130	43.0	239.7	37,000*	48.4	249.3	42,200*	51.3	253.7	45,700*	56.0	259.1	52,700*										130
135	40.3	234.0	34,900*	45.9	244.6	39,600*	49.0	249.5	42,900*	53.8	255.5	49,200*										135
140	37.4	227.7	33,000*	43.3	239.5	37,300*	46.6	244.9	40,300*	51.5	251.6	46,000*	56.0	255.9	46,800							140
145	34.3	220.7	31,200*	40.6	233.8	35,200*	44.0	239.9	37,900*	49.2	247.4	43,100*	53.8	252.3	44,500							145
150	30.9	212.7	29,600*	37.8	227.6	33,300*	41.4	234.3	35,800*	46.7	242.8	40,500*	51.6	248.4	42,400							150
155	27.2	203.5	28,000*	34.7	220.6	31,500*	38.5	228.3	33,800*	44.2	237.8	38,100*	49.2	244.2	40,500							155
160	22.9	192.6	26,600*	31.4	212.8	29,800*	35.5	221.5	31,900*	41.6	232.4	35,900*	46.8	239.6	38,700	51.5	244.1	36,100				160
165	17.6	178.7	24,800*	27.7	203.8	28,200*	32.3	214.0	30,200*	38.8	226.3	33,900*	44.3	234.7	37,000	49.2	239.9	34,500				165
170	9.8	157.4	21,400*	23.5	193.2	26,800*	28.7	205.3	28,600*	35.8	219.7	32,100*	41.6	229.2	35,400	46.7	235.3	33,000				170
175				18.3	179.7	25,400*	24.6	195.2	27,200*	32.5	212.2	30,400*	38.8	223.2	33,900	44.2	230.3	31,600				175
180				11.1	160.0	23,200*	19.8	182.6	25,800*	29.0	203.6	28,800*	35.9	216.5	32,200*	41.5	224.8	30,300	46.4	229.7	28,100	180
185							13.4	165.4	24,500*	25.0	193.6	27,300*	32.6	209.1	30,400*	38.7	218.8	29,000	43.9	224.6	27,000	185
190										20.2	181.3	25,900*	29.1	200.5	28,800*	35.7	212.1	27,900	41.2	219.1	25,800	190
195										14.0	164.6	24,600*	25.1	190.6	27,400*	32.5	204.6	26,700	38.4	213.0	24,800	195
200													20.4	178.4	26,000*	29.0	196.0	25,700	35.4	206.2	23,800	200
205													14.2	161.8	24,700*	24.9	186.0	24,700	32.1	198.6	22,800	205
210																20.2	173.6	23,700	28.5	189.9	21,900	210
215																13.9	156.8	22,700	24.4	179.6	21,000	215
220																			19.5	166.9	20,200	220
225																			12.9	149.2	19,400	225

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

120 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.8	296.1	83,900*																			55
60	74.1	294.7	81,500*																			60
65	72.3	293.1	79,200*																			65
70	70.5	291.4	76,900*																			70
75	68.7	289.5	74,600*																			75
80	66.9	287.4	72,300*	70.7	290.7	77,600*																80
85	65.0	285.2	68,900*	68.9	288.8	75,500*																85
90	63.2	282.7	63,400*	67.1	286.7	73,300*																90
95	61.2	280.0	58,600*	65.3	284.5	69,700*	67.6	286.3	73,500*													95
100	59.3	277.1	54,400*	63.4	282.0	64,100*	65.8	284.1	71,400*													100
105	57.3	273.9	50,700*	61.5	279.4	59,300*	63.9	281.7	65,600*													105
110	55.3	270.6	47,300*	59.5	276.5	55,000*	62.0	279.1	60,500*													110
115	53.2	266.9	44,200*	57.6	273.4	51,100*	60.1	276.3	56,100*													115
120	51.0	262.9	41,500*	55.5	270.0	47,700*	58.1	273.2	52,100*	62.1	276.9	60,900*										120
125	48.8	258.7	39,000*	53.4	266.4	44,600*	56.1	269.9	48,600*	60.2	274.1	56,400*										125
130	46.5	254.0	36,700*	51.3	262.5	41,800*	54.0	266.4	45,400*	58.2	271.0	52,400*										130
135	44.1	249.0	34,600*	49.1	258.3	39,300*	51.9	262.5	42,600*	56.2	267.8	48,900*										135
140	41.6	243.6	32,700*	46.8	253.7	37,000*	49.7	258.4	40,000*	54.2	264.2	45,700*										140
145	39.0	237.6	30,900*	44.4	248.7	34,900*	47.4	253.9	37,600*	52.0	260.4	42,800*	56.3	264.6	44,200							145
150	36.2	231.0	29,300*	42.0	243.3	32,900*	45.1	249.1	35,400*	49.9	256.3	40,200*	54.2	261.0	42,100							150
155	33.2	223.7	27,700*	39.3	237.4	31,100*	42.6	243.8	33,500*	47.6	251.9	37,800*	52.1	257.2	40,200							155
160	30.0	215.4	26,300*	36.6	230.9	29,500*	40.1	238.0	31,600*	45.3	247.0	35,600*	49.9	253.1	38,400							160
165	26.4	205.9	25,000*	33.6	223.7	27,900*	37.3	231.7	29,900*	42.8	241.8	33,600*	47.7	248.7	36,700	52.0	252.9	34,200				165
170	22.2	194.6	23,700*	30.4	215.5	26,500*	34.4	224.6	28,300*	40.3	236.1	31,800*	45.3	243.8	35,100	49.8	248.8	32,700				170
175	17.1	180.2	22,000*	26.8	206.2	25,100*	31.3	216.8	26,900*	37.5	229.8	30,100*	42.9	238.6	33,600	47.6	244.3	31,300				175
180	9.5	158.2	19,000*	22.7	195.2	23,900*	27.8	207.8	25,500*	34.7	222.8	28,500*	40.3	232.9	31,800*	45.2	239.5	30,000				180
185				17.8	181.3	22,700*	23.9	197.3	24,200*	31.5	215.0	27,000*	37.6	226.6	30,100*	42.8	234.2	28,700	47.3	238.7	26,600	185
190				10.7	160.9	20,700*	19.2	184.3	23,000*	28.1	206.1	25,600*	34.7	219.7	28,500*	40.2	228.5	27,600	45.0	233.8	25,500	190
195							13.0	166.5	21,900*	24.2	195.7	24,300*	31.6	211.9	27,100*	37.5	222.2	26,500	42.5	228.5	24,500	195
200										19.6	183.0	23,100*	28.2	203.1	25,700*	34.6	215.2	25,400	39.9	222.7	23,500	200
205										13.5	165.8	22,000*	24.3	192.7	24,400*	31.5	207.4	24,400	37.2	216.4	22,500	205
210													19.8	180.1	23,200*	28.1	198.5	23,400	34.3	209.3	21,600	210
215													13.8	163.0	22,000*	24.2	188.1	22,500	31.1	201.4	20,800	215
220																19.6	175.4	21,600	27.6	192.3	19,900	220
225																13.5	158.0	20,800	23.7	181.7	19,200	225
230																			18.9	168.6	18,400	230
235																			12.5	150.3	17,600	235

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

120 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.0	305.1	76,400*																			60
65	73.3	303.6	74,300*																			65
70	71.6	302.0	72,200*																			70
75	70.0	300.2	70,100*																			75
80	68.2	298.3	67,600*																			80
85	66.5	296.2	64,900*	70.2	299.5	70,700*																85
90	64.8	293.8	62,200*	68.5	297.6	68,300*																90
95	63.0	291.3	58,100*	66.7	295.5	65,700*																95
100	61.2	288.7	53,900*	65.0	293.2	63,200*	67.2	295.0	66,000*													100
105	59.3	285.7	50,100*	63.2	290.7	58,700*	65.5	292.8	63,600*													105
110	57.5	282.6	46,700*	61.4	288.0	54,400*	63.7	290.4	60,000*													110
115	55.5	279.3	43,700*	59.6	285.2	50,600*	61.9	287.8	55,500*													115
120	53.6	275.6	41,000*	57.7	282.1	47,200*	60.1	284.9	51,600*													120
125	51.6	271.8	38,500*	55.8	278.7	44,100*	58.2	281.9	48,100*	62.0	285.5	55,900*										125
130	49.5	267.6	36,200*	53.8	275.2	41,300*	56.3	278.6	44,900*	60.2	282.7	51,900*										130
135	47.4	263.1	34,100*	51.8	271.3	38,800*	54.4	275.1	42,000*	58.3	279.7	48,300*										135
140	45.1	258.2	32,100*	49.8	267.2	36,500*	52.4	271.3	39,400*	56.4	276.5	45,100*										140
145	42.8	253.0	30,400*	47.6	262.7	34,300*	50.3	267.3	37,100*	54.5	273.0	42,300*										145
150	40.4	247.3	28,700*	45.4	257.9	32,400*	48.2	262.9	34,900*	52.5	269.2	39,700*	56.5	273.2	41,500							150
155	37.9	241.0	27,200*	43.1	252.7	30,600*	46.0	258.2	32,900*	50.5	265.2	37,300*	54.6	269.8	39,600							155
160	35.2	234.2	25,800*	40.7	247.0	28,900*	43.7	253.1	31,100*	48.4	260.8	35,100*	52.6	266.0	37,800							160
165	32.3	226.6	24,400*	38.2	240.9	27,400*	41.4	247.6	29,400*	46.2	256.2	33,100*	50.5	262.0	36,100							165
170	29.1	218.0	23,200*	35.5	234.1	26,000*	38.9	241.5	27,800*	43.9	251.1	31,200*	48.4	257.6	34,500	52.5	261.7	32,100				170
175	25.6	208.2	22,000*	32.6	226.6	24,600*	36.2	234.9	26,300*	41.5	245.6	29,500*	46.2	253.0	33,100	50.4	257.6	30,700				175
180	21.5	196.5	20,900*	29.5	218.2	23,300*	33.4	227.6	25,000*	39.1	239.6	27,900*	44.0	247.9	31,300*	48.3	253.3	29,400				180
185	16.6	181.6	19,400*	26.1	208.5	22,200*	30.4	219.5	23,700*	36.4	233.1	26,500*	41.6	242.4	29,600*	46.2	248.6	28,200				185
190	9.2	159.0	16,700*	22.1	197.1	21,000*	27.0	210.2	22,500*	33.6	225.8	25,100*	39.1	236.5	28,000*	43.9	243.5	27,000				190
195				17.3	182.8	20,000*	23.2	199.3	21,300*	30.6	217.7	23,800*	36.5	229.9	26,500*	41.5	238.0	25,900	45.9	243.0	23,900	195
200				10.4	161.8	18,200*	18.7	185.9	20,300*	27.3	208.5	22,600*	33.7	222.7	25,100*	39.0	232.0	24,800	43.6	237.9	22,900	200
205							12.6	167.6	19,300*	23.5	197.8	21,400*	30.7	214.6	23,800*	36.4	225.5	23,800	41.2	232.3	21,900	205
210										19.0	184.7	20,400*	27.4	205.5	22,600*	33.6	218.2	22,900	38.7	226.3	21,000	210
215										13.2	166.9	19,400*	23.6	194.8	21,500*	30.6	210.1	22,000	36.1	219.6	20,200	215
220													19.2	181.8	20,400*	27.2	200.9	21,100	33.3	212.3	19,400	220
225													13.3	164.2	19,400*	23.5	190.2	20,300	30.2	204.1	18,600	225
230																19.0	177.0	19,500	26.8	194.7	17,900	230
235																13.1	159.1	18,700	23.0	183.7	17,100	235
240																			18.4	170.2	16,400	240
245																			12.2	151.4	15,800	245

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

120 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	315.4	70,400*																			60
65	74.2	314.1	69,700*																			65
70	72.6	312.5	67,800*																			70
75	71.1	310.9	65,500*																			75
80	69.5	309.0	63,200*																			80
85	67.8	307.0	60,700*																			85
90	66.2	304.9	58,300*	69.7	308.3	63,700*																90
95	64.5	302.5	55,800*	68.0	306.3	61,400*																95
100	62.8	300.0	53,400*	66.4	304.2	59,000*																100
105	61.1	297.3	49,600*	64.7	301.9	56,600*	66.8	303.8	59,200*													105
110	59.4	294.4	46,200*	63.0	299.4	53,900*	65.2	301.5	57,000*													110
115	57.6	291.3	43,200*	61.3	296.7	50,100*	63.5	299.1	55,000*													115
120	55.8	288.0	40,500*	59.6	293.8	46,600*	61.8	296.4	51,100*													120
125	53.9	284.4	38,000*	57.8	290.7	43,600*	60.1	293.6	47,600*													125
130	52.0	280.6	35,700*	56.0	287.4	40,800*	58.3	290.6	44,400*	61.9	294.2	51,400*										130
135	50.1	276.5	33,600*	54.2	283.9	38,300*	56.5	287.3	41,500*	60.2	291.4	47,800*										135
140	48.1	272.1	31,600*	52.3	280.1	36,000*	54.7	283.8	38,900*	58.4	288.4	44,700*										140
145	46.0	267.4	29,900*	50.3	276.0	33,800*	52.8	280.1	36,600*	56.6	285.2	41,800*										145
150	43.9	262.3	28,200*	48.3	271.7	31,900*	50.9	276.1	34,400*	54.8	281.7	39,200*										150
155	41.6	256.8	26,700*	46.3	267.0	30,100*	48.9	271.9	32,400*	52.9	278.0	36,800*	56.7	281.9	39,100							155
160	39.3	250.8	25,300*	44.1	262.0	28,400*	46.8	267.3	30,600*	51.0	274.0	34,600*	54.9	278.5	37,300							160
165	36.8	244.4	23,900*	41.9	256.5	26,900*	44.7	262.3	28,900*	49.0	269.8	32,600*	53.0	274.8	35,600							165
170	34.2	237.3	22,700*	39.6	250.7	25,500*	42.5	257.0	27,300*	47.0	265.2	30,700*	51.1	270.8	34,000							170
175	31.4	229.4	21,500*	37.1	244.3	24,100*	40.2	251.2	25,800*	44.9	260.3	29,000*	49.1	266.6	32,600	52.9	270.4	30,200				175
180	28.3	220.5	20,400*	34.5	237.2	22,800*	37.8	245.0	24,500*	42.7	255.0	27,400*	47.0	262.0	30,800*	51.0	266.5	28,900				180
185	24.9	210.4	19,400*	31.7	229.4	21,700*	35.2	238.1	23,200*	40.4	249.3	26,000*	44.9	257.1	29,100*	49.0	262.2	27,600				185
190	21.0	198.3	18,400*	28.7	220.7	20,600*	32.5	230.6	22,000*	38.0	243.1	24,600*	42.7	251.8	27,500*	47.0	257.7	26,500				190
195	16.1	183.0	17,000*	25.3	210.8	19,500*	29.5	222.1	20,900*	35.4	236.3	23,300*	40.4	246.1	26,000*	44.8	252.7	25,400				195
200	8.9	159.8	14,500*	21.5	199.0	18,500*	26.3	212.5	19,800*	32.7	228.8	22,100*	38.0	239.9	24,600*	42.6	247.4	24,300	46.7	252.1	22,300	200
205				16.8	184.2	17,600*	22.6	201.3	18,800*	29.8	220.4	21,000*	35.5	233.1	23,300*	40.4	241.7	23,400	44.6	247.1	21,400	205
210				10.1	162.7	15,900*	18.1	187.5	17,800*	26.5	210.9	19,900*	32.8	225.7	22,100*	37.9	235.5	22,400	42.4	241.8	20,500	210
215							12.2	168.6	16,900*	22.9	199.8	18,900*	29.9	217.3	21,000*	35.4	228.7	21,500	40.1	236.0	19,700	215
220										18.5	186.3	17,900*	26.6	207.8	19,900*	32.7	221.2	20,700	37.7	229.7	18,900	220
225										12.8	168.0	17,000*	23.0	196.8	18,900*	29.7	212.8	19,800	35.1	222.8	18,100	225
230													18.7	183.4	18,000*	26.5	203.3	19,100	32.3	215.2	17,400	230
235													13.0	165.3	17,100*	22.8	192.2	18,300	29.4	206.7	16,700	235
240																18.5	178.6	17,600	26.1	197.0	16,000	240
245																12.7	160.2	16,900	22.3	185.7	15,300	245
250																			17.9	171.7	14,700	250
255																			11.8	152.4	14,100	255

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M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

120 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	324.5	63,000*																			65
70	73.5	323.0	62,400*																			70
75	72.0	321.4	60,900*																			75
80	70.5	319.7	58,600*																			80
85	69.0	317.8	56,300*																			85
90	67.4	315.8	53,900*	70.7	319.0	58,900*																90
95	65.9	313.6	51,500*	69.2	317.1	56,700*																95
100	64.3	311.2	49,100*	67.6	315.1	54,500*																100
105	62.7	308.7	46,800*	66.1	312.9	52,100*																105
110	61.1	306.0	44,500*	64.5	310.6	49,800*	66.5	312.5	52,500*													110
115	59.4	303.1	42,300*	62.9	308.1	47,500*	64.9	310.2	50,300*													115
120	57.7	300.0	39,900*	61.3	305.4	45,200*	63.3	307.7	48,000*													120
125	56.0	296.7	37,400*	59.6	302.5	43,000*	61.7	305.1	45,800*													125
130	54.2	293.1	35,100*	57.9	299.4	40,200*	60.1	302.3	43,800*													130
135	52.5	289.4	33,000*	56.2	296.1	37,700*	58.4	299.2	41,000*	61.8	302.9	45,500*										135
140	50.6	285.3	31,100*	54.5	292.6	35,400*	56.7	296.0	38,400*	60.2	300.1	43,500*										140
145	48.7	281.0	29,300*	52.7	288.9	33,300*	54.9	292.6	36,000*	58.5	297.1	41,200*										145
150	46.8	276.4	27,700*	50.8	284.9	31,300*	53.2	288.9	33,800*	56.8	293.8	38,600*										150
155	44.8	271.5	26,100*	49.0	280.6	29,500*	51.3	285.0	31,900*	55.1	290.4	36,200*										155
160	42.7	266.2	24,700*	47.0	276.1	27,900*	49.5	280.8	30,000*	53.3	286.8	34,000*	56.9	290.6	36,700							160
165	40.5	260.5	23,400*	45.0	271.2	26,300*	47.5	276.3	28,300*	51.5	282.9	32,000*	55.1	287.2	35,000							165
170	38.2	254.3	22,100*	42.9	265.9	24,900*	45.6	271.5	26,700*	49.6	278.7	30,200*	53.3	283.5	33,500							170
175	35.8	247.6	21,000*	40.8	260.3	23,600*	43.5	266.3	25,300*	47.7	274.2	28,500*	51.5	279.6	32,000							175
180	33.3	240.2	19,900*	38.5	254.2	22,300*	41.4	260.8	23,900*	45.7	269.5	26,900*	49.7	275.5	30,200*							180
185	30.5	232.1	18,800*	36.1	247.5	21,100*	39.1	254.8	22,600*	43.7	264.3	25,400*	47.7	271.0	28,500*	51.5	275.3	27,000				185
190	27.6	223.0	17,800*	33.6	240.3	20,000*	36.8	248.3	21,400*	41.5	258.8	24,000*	45.8	266.3	26,900*	49.6	271.1	25,900				190
195	24.2	212.5	16,900*	30.9	232.2	19,000*	34.3	241.2	20,300*	39.3	252.9	22,700*	43.7	261.2	25,500*	47.7	266.7	24,800				195
200	20.4	200.1	16,000*	27.9	223.2	18,000*	31.6	233.4	19,200*	37.0	246.4	21,500*	41.6	255.7	24,100*	45.7	261.9	23,800				200
205	15.7	184.4	14,800*	24.7	212.9	17,000*	28.8	224.7	18,200*	34.5	239.4	20,400*	39.4	249.7	22,800*	43.6	256.8	22,800	47.4	261.1	20,800	205
210	8.7	160.5	12,500*	20.9	200.8	16,200*	25.6	214.8	17,300*	31.8	231.6	19,300*	37.0	243.3	21,600*	41.5	251.3	21,800	45.5	256.3	19,900	210
215				16.3	185.7	15,300*	22.0	203.2	16,400*	29.0	223.0	18,300*	34.6	236.3	20,500*	39.3	245.3	21,000	43.4	251.1	19,100	215
220				9.8	163.5	13,800*	17.7	189.1	15,500*	25.8	213.2	17,400*	31.9	228.5	19,400*	36.9	238.8	20,100	41.2	245.5	18,300	220
225							11.9	169.6	14,700*	22.3	201.8	16,500*	29.1	219.9	18,400*	34.5	231.8	19,300	39.0	239.5	17,500	225
230										18.0	187.9	15,600*	25.9	210.1	17,400*	31.8	224.0	18,500	36.7	233.0	16,800	230
235										12.5	169.1	14,800*	22.4	198.8	16,500*	29.0	215.4	17,800	34.2	225.9	16,100	235
240													18.2	185.0	15,700*	25.8	205.6	17,100	31.5	218.0	15,400	240
245													12.6	166.4	14,800*	22.2	194.1	16,400	28.6	209.2	14,800	245
250																18.0	180.2	15,600*	25.4	199.3	14,200	250
255																12.4	161.3	14,800*	21.8	187.6	13,600	255
260																			17.4	173.3	13,000	260
265																			11.5	153.4	12,400	265

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

130 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	67.9	205.9	165,500*b																			40
45	63.4	203.5	153,500*b																			45
50	58.6	200.7	140,900*b																			50
55	53.6	197.2	122,700*b	64.7	203.3	155,100*b																55
60	48.3	192.9	108,500*	60.1	200.6	143,700*b	66.4	203.1	155,300*b													60
65	42.4	187.8	97,000*	55.2	197.3	127,700*b	61.8	200.5	146,100*b													65
70	35.8	181.4	87,600*	49.9	193.3	112,400*	57.0	197.4	134,800*b													70
75	27.7	173.0	79,700*	44.2	188.4	100,600*	51.9	193.7	118,000*	63.0	198.6	119,800b										75
80	16.3	160.0	73,000*	37.9	182.5	90,600*	46.4	189.2	104,800*	58.2	195.7	110,000b										80
85				30.4	174.8	82,200*	40.3	183.7	94,100*	53.2	192.1	101,500										85
90				20.4	163.7	75,200*	33.3	176.8	85,200*	47.8	187.8	94,100										90
95							24.5	167.3	77,700*	41.9	182.6	87,700	54.2	189.3	83,100							95
100							9.7	149.9	71,200*	35.1	176.1	82,000	48.9	185.1	77,700							100
105										27.0	167.4	76,900	43.1	180.1	72,900							105
110										14.9	153.6	72,200	36.5	173.9	68,500	49.5	181.2	64,800				110
115													28.7	165.8	64,600	43.8	176.3	61,100				115
120													17.9	153.5	61,000	37.4	170.2	57,800				120
125																29.8	162.4	54,700	44.0	171.0	51,600	125
130																19.5	150.9	51,800	37.6	165.0	49,000	130
135																			30.1	157.3	46,500	135
140																			20.0	146.0	44,200	140

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

130 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	70.8	216.7	159,600*b																			40
45	66.9	214.7	149,800*b																			45
50	62.9	212.2	138,600*b																			50
55	58.8	209.3	123,400*	68.1	214.3	150,000*b																55
60	54.5	205.9	109,100*	64.1	212.0	140,700*b																60
65	49.9	201.9	97,500*	60.0	209.2	128,500*b	65.6	211.8	141,600*b													65
70	44.9	197.1	88,300*	55.8	206.0	113,100*	61.6	209.2	133,700*b													70
75	39.5	191.5	80,300*	51.3	202.1	101,100*	57.4	206.1	118,700*													75
80	33.3	184.4	73,500*	46.4	197.6	91,000*	53.0	202.5	105,300*	62.6	207.3	109,400b										80
85	25.9	175.3	67,700*	41.2	192.2	82,600*	48.3	198.3	94,500*	58.4	204.3	100,900										85
90	15.2	161.2	62,600*	35.3	185.7	75,500*	43.2	193.2	85,500*	54.1	200.9	93,600										90
95				28.3	177.3	69,400*	37.5	187.2	78,000*	49.5	196.8	87,200										95
100				19.0	165.4	64,100*	31.0	179.6	71,500*	44.5	192.0	81,500	54.9	198.0	77,100							100
105							22.9	169.3	66,000*	39.0	186.2	76,500	50.4	194.1	72,300							105
110							9.0	150.7	61,000*	32.7	179.0	71,900	45.5	189.4	68,000							110
115										25.1	169.6	67,300*	40.1	183.8	64,100	51.0	190.1	60,500				115
120										13.8	154.7	62,200*	34.0	177.0	60,600	46.1	185.5	57,200				120
125													26.8	168.1	57,400	40.8	180.0	54,100				125
130													16.7	154.9	54,400	34.8	173.4	51,400	46.3	180.2	48,300	130
135																27.8	164.8	48,800	41.0	174.8	45,900	135
140																18.2	152.5	46,400	35.1	168.2	43,700	140
145																			28.0	159.8	41,600	145
150																			18.6	147.6	39,700	150

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

130 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	73.0	227.3	153,700*b																			40
45	69.6	225.5	144,900*b																			45
50	66.2	223.4	135,400*b																			50
55	62.6	220.9	124,000*	70.6	225.0	145,000*b																55
60	58.9	218.0	109,500*	67.2	223.0	137,500*b																60
65	55.1	214.6	97,900*	63.7	220.6	128,200*																65
70	51.1	210.8	88,500*	60.0	217.9	113,600*	65.0	220.5	129,900*b													70
75	46.8	206.3	80,500*	56.3	214.7	101,200*	61.4	217.8	119,100*													75
80	42.2	201.0	73,700*	52.3	211.0	91,000*	57.7	214.8	105,700*													80
85	37.1	194.8	67,800*	48.1	206.7	82,800*	53.8	211.3	94,800*	62.3	215.9	100,400										85
90	31.3	187.3	62,700*	43.6	201.7	75,600*	49.7	207.2	85,700*	58.6	213.0	93,100										90
95	24.3	177.4	58,200*	38.7	195.8	69,500*	45.3	202.5	78,100*	54.8	209.6	86,800										95
100	14.2	162.5	54,200*	33.1	188.7	64,200*	40.6	197.0	71,700*	50.7	205.7	81,100										100
105				26.6	179.7	59,500*	35.3	190.4	66,100*	46.4	201.1	76,100	55.5	206.7	71,800							105
110				17.9	166.9	55,400*	29.2	182.2	61,200*	41.8	195.8	71,600	51.5	202.9	67,500							110
115							21.5	171.2	56,900*	36.6	189.5	67,400*	47.3	198.5	63,700							115
120							8.4	151.3	53,000*	30.8	181.8	62,400*	42.7	193.3	60,200	52.0	198.9	56,700				120
125										23.6	171.7	57,900*	37.7	187.3	57,000	47.8	194.6	53,700				125
130										13.0	155.8	54,000*	32.0	179.8	54,100	43.3	189.5	50,900				130
135													25.2	170.3	51,400	38.3	183.5	48,400	48.0	189.3	45,400	135
140													15.6	156.3	48,900	32.7	176.3	46,100	43.5	184.3	43,200	140
145																26.1	167.2	43,900	38.5	178.3	41,200	145
150																17.1	154.0	41,800	33.0	171.2	39,300	150
155																			26.4	162.1	37,500	155
160																			17.5	149.1	35,800	160

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

130 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	74.7	237.7	147,700*b																			40
45	71.7	236.1	139,700*b																			45
50	68.7	234.3	132,000*b																			50
55	65.6	232.1	123,100*																			55
60	62.3	229.5	109,600*	69.6	233.8	132,800*b																60
65	59.0	226.7	97,900*	66.5	231.7	125,400*																65
70	55.6	223.4	88,400*	63.3	229.3	113,700*	67.6	231.4	125,600*													70
75	52.0	219.6	80,400*	60.0	226.5	101,200*	64.5	229.1	119,200*													75
80	48.2	215.3	73,500*	56.6	223.4	91,000*	61.3	226.5	105,700*													80
85	44.2	210.4	67,600*	53.1	219.7	82,700*	57.9	223.5	94,700*													85
90	39.9	204.7	62,500*	49.4	215.6	75,500*	54.4	220.0	85,700*	62.1	224.6	92,500										90
95	35.1	198.0	58,000*	45.5	210.9	69,300*	50.8	216.1	78,000*	58.7	221.7	86,200										95
100	29.6	189.9	54,000*	41.2	205.5	64,000*	46.9	211.6	71,500*	55.3	218.3	80,500										100
105	23.0	179.5	50,500*	36.6	199.1	59,300*	42.8	206.5	65,900*	51.7	214.5	75,500										105
110	13.5	163.6	47,300*	31.4	191.5	55,200*	38.4	200.5	61,000*	47.9	210.2	71,100	56.0	215.4	66,900							110
115				25.2	181.9	51,500*	33.4	193.4	56,700*	43.9	205.2	67,000	52.4	211.7	63,100							115
120				16.9	168.4	48,200*	27.6	184.6	52,900*	39.5	199.5	62,200*	48.7	207.5	59,600							120
125							20.3	173.0	49,400*	34.7	192.7	57,700*	44.7	202.7	56,500	52.9	207.7	53,000				125
130							7.9	152.0	46,300*	29.1	184.4	53,800*	40.4	197.1	53,600	49.1	203.5	50,300				130
135										22.3	173.7	50,300*	35.6	190.5	50,900	45.2	198.8	47,800				135
140										12.3	156.9	47,100*	30.3	182.6	48,500	40.9	193.3	45,500				140
145													23.8	172.4	46,200	36.3	186.8	43,300	45.3	193.5	40,500	145
150													14.8	157.5	44,000	31.0	179.1	41,300	41.1	188.1	38,700	150
155																24.7	169.3	39,500	36.4	181.7	36,900	155
160																16.2	155.4	37,700	31.2	174.0	35,300	160
165																			24.9	164.3	33,700	165
170																			16.6	150.6	32,300	170

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

130 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	73.5	246.6	133,700*																			45
50	70.7	245.0	126,900*																			50
55	67.9	243.0	119,800*																			55
60	65.1	240.8	112,300*																			60
65	62.1	238.2	100,700*	68.8	242.6	121,600*																65
70	59.1	235.3	90,900*	65.9	240.4	114,600*																70
75	56.0	232.1	82,500*	63.0	238.0	104,100*	67.0	240.2	116,100*													75
80	52.8	228.4	75,400*	60.0	235.2	93,500*	64.1	237.8	108,700*													80
85	49.4	224.3	69,400*	57.0	232.0	84,900*	61.1	235.2	97,400*													85
90	45.8	219.6	64,100*	53.8	228.5	77,500*	58.1	232.2	88,000*													90
95	42.0	214.3	59,500*	50.4	224.5	71,100*	55.0	228.8	80,100*	61.9	233.2	85,600										95
100	37.9	208.2	55,400*	46.9	220.0	65,600*	51.7	224.9	73,400*	58.9	230.3	80,000										100
105	33.4	201.0	51,700*	43.2	214.9	60,800*	48.2	220.6	67,600*	55.7	227.0	75,000										105
110	28.2	192.4	48,500*	39.2	209.1	56,600*	44.6	215.8	62,500*	52.5	223.3	70,500										110
115	21.9	181.4	45,500*	34.8	202.3	52,800*	40.7	210.2	58,100*	49.1	219.2	66,500	56.4	224.1	62,500							115
120	12.8	164.7	41,400*	29.8	194.2	49,400*	36.5	203.8	54,200*	45.5	214.4	62,900	53.1	220.5	59,100							120
125				23.9	184.0	46,400*	31.7	196.2	50,600*	41.7	209.1	59,200*	49.8	216.4	55,900							125
130				16.1	169.7	43,600*	26.3	187.0	47,500*	37.6	202.9	55,100*	46.2	211.8	53,100							130
135							19.3	174.7	44,600*	33.0	195.6	51,500*	42.5	206.6	50,400	50.2	212.4	47,200				135
140							7.5	152.6	41,500*	27.7	186.8	48,300*	38.4	200.6	48,000	46.7	207.9	44,900				140
145										21.3	175.5	45,300*	33.9	193.5	45,700	42.9	202.7	42,800				145
150										11.7	157.8	42,700*	28.8	185.1	43,600	38.9	196.8	40,800	46.8	202.6	38,100	150
155													22.6	174.4	41,700	34.5	190.0	39,000	43.1	197.5	36,400	155
160													14.1	158.7	39,800	29.5	181.7	37,300	39.1	191.6	34,800	160
165																23.5	171.4	35,600	34.7	184.8	33,200	165
170																15.4	156.7	34,100	29.7	176.6	31,800	170
175																			23.7	166.4	30,500	175
180																			15.8	151.9	29,200	180

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

130 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.9	257.1	124,800*																			45
50	72.4	255.5	120,300*																			50
55	69.8	253.8	116,000*																			55
60	67.3	251.7	109,700*																			60
65	64.6	249.5	100,400*	70.6	253.3	117,300*																65
70	62.0	246.9	90,400*	68.0	251.4	111,900*																70
75	59.2	244.0	82,000*	65.4	249.1	103,800*																75
80	56.4	240.8	75,000*	62.8	246.7	93,200*	66.4	248.9	107,200*													80
85	53.4	237.2	69,000*	60.0	243.9	84,600*	63.8	246.5	97,000*													85
90	50.4	233.1	63,700*	57.2	240.7	77,100*	61.0	243.8	87,600*													90
95	47.2	228.7	59,100*	54.3	237.2	70,700*	58.3	240.8	79,700*													95
100	43.8	223.6	55,000*	51.3	233.4	65,200*	55.4	237.5	73,000*	61.7	241.9	79,400										100
105	40.2	218.0	51,300*	48.1	229.0	60,400*	52.4	233.8	67,200*	59.0	239.0	74,400										105
110	36.2	211.5	48,000*	44.8	224.2	56,200*	49.3	229.6	62,100*	56.1	235.7	70,000										110
115	31.9	203.9	45,100*	41.3	218.7	52,400*	46.0	224.9	57,700*	53.2	232.1	65,900										115
120	27.0	194.8	42,400*	37.4	212.5	49,000*	42.6	219.7	53,700*	50.1	228.1	62,300	56.7	232.8	58,400							120
125	20.9	183.2	40,000*	33.3	205.3	46,000*	38.9	213.8	50,200*	46.9	223.5	58,800*	53.7	229.3	55,300							125
130	12.2	165.7	36,500*	28.5	196.7	43,200*	34.8	207.0	47,100*	43.5	218.5	54,700*	50.7	225.3	52,500							130
135				22.9	186.0	40,700*	30.3	198.9	44,200*	39.8	212.7	51,100*	47.5	220.9	49,800							135
140				15.4	171.1	38,400*	25.1	189.2	41,600*	35.9	206.1	47,800*	44.1	215.9	47,400	51.1	221.3	44,300				140
145							18.5	176.3	39,200*	31.5	198.5	44,900*	40.6	210.3	45,200	47.9	216.9	42,200				145
150							7.2	153.2	36,700*	26.5	189.2	42,300*	36.7	203.9	43,100	44.6	212.0	40,200				150
155										20.3	177.3	39,800*	32.4	196.5	41,200	41.0	206.5	38,400	48.0	211.7	35,700	155
160										11.2	158.8	37,600*	27.5	187.6	39,400	37.2	200.2	36,700	44.7	206.8	34,100	160
165													21.6	176.3	37,700	32.9	192.9	35,100	41.1	201.3	32,600	165
170													13.4	159.9	36,000	28.2	184.2	33,600	37.3	195.0	31,200	170
175																22.4	173.4	32,200	33.1	187.8	29,900	175
180																14.7	157.9	30,800	28.4	179.2	28,600	180
185																			22.7	168.4	27,400	185
190																			15.0	153.2	26,300	190

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

130 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	73.8	266.0	111,400*																			50
55	71.5	264.4	107,600*																			55
60	69.1	262.6	103,900*																			60
65	66.7	260.5	100,400*																			65
70	64.3	258.1	91,100*	69.8	262.1	106,200*																70
75	61.8	255.5	82,600*	67.4	260.1	102,700*																75
80	59.3	252.6	75,400*	65.0	257.8	93,900*																80
85	56.6	249.4	69,300*	62.6	255.3	85,000*	65.9	257.6	97,800*													85
90	53.9	245.9	63,900*	60.0	252.5	77,400*	63.5	255.2	88,200*													90
95	51.2	242.0	59,200*	57.4	249.4	71,100*	61.0	252.5	80,200*													95
100	48.2	237.7	55,100*	54.8	246.0	65,500*	58.4	249.5	73,400*													100
105	45.2	232.9	51,400*	52.0	242.2	60,600*	55.8	246.2	67,500*	61.6	250.6	74,100										105
110	41.9	227.5	48,100*	49.1	238.0	56,300*	53.0	242.5	62,400*	59.0	247.7	69,700										110
115	38.5	221.5	45,100*	46.1	233.3	52,500*	50.2	238.5	57,900*	56.4	244.4	65,700										115
120	34.7	214.6	42,400*	42.9	228.1	49,100*	47.2	234.0	53,900*	53.7	240.9	62,000										120
125	30.6	206.6	40,000*	39.6	222.3	46,000*	44.1	229.0	50,300*	50.9	236.9	58,700	56.9	241.5	55,000							125
130	25.9	197.1	37,700*	35.9	215.7	43,200*	40.8	223.5	47,100*	48.0	232.6	54,800*	54.2	238.0	52,200							130
135	20.1	185.0	35,700*	31.9	208.1	40,700*	37.3	217.2	44,200*	44.9	227.7	51,200*	51.5	234.1	49,600							135
140	11.7	166.7	32,600*	27.4	199.1	38,400*	33.4	210.0	41,600*	41.7	222.3	47,900*	48.6	229.9	47,200							140
145				21.9	187.9	36,300*	29.1	201.5	39,200*	38.2	216.2	45,000*	45.5	225.1	44,900	51.8	230.1	41,900				145
150				14.7	172.3	34,300*	24.1	191.3	37,100*	34.4	209.2	42,300*	42.3	219.8	42,900	48.9	225.9	39,900				150
155							17.7	177.8	35,000*	30.2	201.2	39,800*	38.9	213.8	41,000	45.9	221.2	38,100				155
160							6.9	153.7	32,800*	25.4	191.4	37,600*	35.2	207.1	39,200	42.7	216.0	36,400				160
165										19.5	179.0	35,600*	31.1	199.2	37,500	39.3	210.1	34,900	46.0	215.9	32,300	165
170										10.7	159.7	33,600*	26.4	189.9	35,900	35.6	203.4	33,400	42.8	210.7	30,900	170
175													20.8	178.1	34,400	31.6	195.8	32,000	39.4	204.9	29,600	175
180													12.9	161.0	33,000	27.0	186.6	30,700	35.8	198.3	28,400	180
185																21.5	175.3	29,400	31.8	190.6	27,200	185
190																14.1	159.1	28,200	27.2	181.6	26,100	190
195																			21.8	170.3	25,100	195
200																			14.4	154.5	24,000	200

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

130 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.0	276.4	104,100*																			50
55	72.8	274.9	100,700*																			55
60	70.7	273.2	97,400*																			60
65	68.5	271.3	94,200*																			65
70	66.3	269.2	90,700*																			70
75	64.0	266.8	82,100*	69.1	270.9	96,200*																75
80	61.7	264.2	74,900*	66.9	268.8	93,300*																80
85	59.3	261.3	68,800*	64.7	266.5	84,600*	67.7	268.5	93,900*													85
90	56.9	258.1	63,500*	62.4	264.0	77,000*	65.5	266.3	87,800*													90
95	54.4	254.6	58,800*	60.0	261.2	70,600*	63.2	263.9	79,800*													95
100	51.8	250.8	54,600*	57.6	258.1	65,000*	60.9	261.1	72,900*													100
105	49.1	246.6	50,900*	55.2	254.7	60,200*	58.5	258.2	67,000*													105
110	46.4	242.0	47,600*	52.6	251.0	55,900*	56.1	254.9	61,900*	61.5	259.2	69,100										110
115	43.4	236.9	44,700*	50.0	246.9	52,000*	53.5	251.3	57,400*	59.1	256.3	65,100										115
120	40.3	231.2	42,000*	47.2	242.4	48,600*	50.9	247.3	53,400*	56.7	253.1	61,500										120
125	37.0	224.8	39,500*	44.3	237.4	45,500*	48.2	243.0	49,800*	54.2	249.6	58,200										125
130	33.4	217.6	37,300*	41.3	231.9	42,800*	45.4	238.2	46,700*	51.6	245.7	54,400*	57.2	250.2	51,600							130
135	29.4	209.3	35,200*	38.0	225.8	40,200*	42.4	232.9	43,800*	48.9	241.5	50,700*	54.7	246.7	49,000							135
140	24.9	199.3	33,300*	34.5	218.8	37,900*	39.3	227.0	41,200*	46.1	236.8	47,400*	52.1	242.9	46,600							140
145	19.3	186.6	31,500*	30.7	210.9	35,800*	35.9	220.4	38,800*	43.2	231.7	44,500*	49.4	238.8	44,300							145
150	11.3	167.7	28,800*	26.3	201.5	33,900*	32.1	212.9	36,600*	40.1	226.0	41,800*	46.7	234.2	42,300	52.4	238.9	39,300				150
155				21.1	189.8	32,100*	28.0	204.0	34,600*	36.7	219.5	39,400*	43.8	229.1	40,400	49.8	234.8	37,500				155
160				14.2	173.5	30,400*	23.2	193.3	32,700*	33.1	212.2	37,100*	40.7	223.5	38,600	47.0	230.3	35,800				160
165							17.1	179.3	31,000*	29.1	203.7	35,100*	37.4	217.2	36,900	44.1	225.3	34,300				165
170							6.6	154.2	29,200*	24.4	193.6	33,200*	33.8	210.1	35,400	41.1	219.7	32,800	47.1	225.0	30,300	170
175										18.8	180.6	31,400*	29.9	201.9	33,900	37.8	213.5	31,400	44.2	220.0	29,000	175
180										10.3	160.6	29,800*	25.4	192.2	32,500	34.3	206.5	30,100	41.2	214.5	27,800	180
185													20.0	179.9	31,200	30.4	198.5	28,900	37.9	208.3	26,600	185
190													12.4	162.0	29,900	26.0	188.9	27,700	34.4	201.4	25,500	190
195																20.7	177.1	26,600	30.6	193.4	24,500	195
200																13.6	160.3	25,500	26.2	183.9	23,500	200
205																			20.9	172.1	22,600	205
210																			13.9	155.6	21,600	210

MANITOWOC CRANES, INC.

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LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
WITH THE INTENT TO BE IN
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M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

130 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	76.0	286.8	98,700*																			50
55	74.0	285.4	95,900*																			55
60	72.0	283.8	93,100*																			60
65	70.0	282.1	90,300*																			65
70	67.9	280.1	87,700*																			70
75	65.8	277.9	83,000*	70.6	281.6	91,800*																75
80	63.7	275.5	75,700*	68.5	279.7	89,400*																80
85	61.6	272.9	69,500*	66.5	277.6	85,500*																85
90	59.4	270.0	64,100*	64.4	275.2	77,800*	67.2	277.3	87,300*													90
95	57.1	266.8	59,300*	62.2	272.6	71,300*	65.1	275.0	80,600*													95
100	54.8	263.4	55,100*	60.0	269.8	65,600*	63.0	272.5	73,600*													100
105	52.4	259.6	51,300*	57.8	266.8	60,700*	60.8	269.8	67,600*													105
110	49.9	255.5	48,000*	55.5	263.4	56,300*	58.6	266.8	62,400*													110
115	47.4	251.0	45,000*	53.1	259.7	52,400*	56.3	263.6	57,900*	61.4	267.9	64,500										115
120	44.7	246.1	42,200*	50.7	255.8	49,000*	54.0	260.0	53,800*	59.2	265.0	60,900										120
125	41.9	240.7	39,800*	48.1	251.4	45,900*	51.6	256.2	50,200*	56.9	261.8	57,600										125
130	38.9	234.7	37,500*	45.5	246.6	43,100*	49.1	252.0	47,000*	54.6	258.3	54,700										130
135	35.7	228.1	35,400*	42.7	241.4	40,500*	46.5	247.3	44,100*	52.2	254.5	51,100*	57.3	258.9	48,400							135
140	32.2	220.5	33,500*	39.8	235.6	38,200*	43.8	242.3	41,400*	49.7	250.4	47,800*	55.0	255.4	46,000							140
145	28.4	211.8	31,700*	36.7	229.1	36,000*	40.9	236.7	39,000*	47.1	245.9	44,800*	52.7	251.7	43,800							145
150	24.0	201.4	30,100*	33.3	221.8	34,100*	37.9	230.5	36,800*	44.5	241.0	42,100*	50.2	247.7	41,800							150
155	18.6	188.3	28,300*	29.6	213.5	32,200*	34.6	223.5	34,800*	41.6	235.5	39,600*	47.6	243.2	39,900	53.0	247.7	36,900				155
160	10.9	168.6	24,800*	25.4	203.7	30,600*	31.0	215.6	32,900*	38.6	229.5	37,300*	45.0	238.4	38,100	50.5	243.7	35,300				160
165				20.4	191.6	29,000*	27.0	206.4	31,200*	35.4	222.7	35,300*	42.2	233.0	36,400	48.0	239.3	33,700				165
170				13.7	174.7	27,300*	22.4	195.3	29,600*	31.9	215.1	33,400*	39.2	227.1	34,900	45.3	234.5	32,200				170
175							16.5	180.7	28,100*	28.1	206.2	31,600*	36.1	220.5	33,400	42.5	229.2	30,900				175
180							6.4	154.8	25,200*	23.6	195.7	30,000*	32.6	213.1	32,000	39.6	223.4	29,600	45.4	229.2	27,200	180
185										18.1	182.2	28,400*	28.8	204.5	30,700	36.5	216.8	28,400	42.6	224.0	26,100	185
190										9.9	161.4	27,000*	24.5	194.3	29,500	33.1	209.5	27,200	39.7	218.1	25,000	190
195													19.3	181.6	28,300	29.3	201.1	26,100	36.6	211.7	24,000	195
200													12.0	163.1	27,200	25.1	191.2	25,100	33.2	204.4	23,000	200
205																20.0	178.8	24,100	29.5	196.0	22,100	205
210																13.1	161.4	23,100	25.2	186.1	21,200	210
215																			20.2	173.9	20,300	215
220																			13.4	156.8	19,500	220

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

130 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.0	295.8	88,500*																			55
60	73.2	294.3	86,000*																			60
65	71.3	292.7	83,500*																			65
70	69.4	290.9	81,000*																			70
75	67.4	288.8	78,700*																			75
80	65.5	286.6	76,000*	70.0	290.4	82,400*																80
85	63.5	284.2	69,600*	68.0	288.4	80,200*																85
90	61.5	281.5	64,100*	66.1	286.3	78,100*																90
95	59.4	278.6	59,300*	64.1	283.9	71,500*	66.8	286.0	78,400*													95
100	57.3	275.5	55,000*	62.1	281.3	65,700*	64.8	283.7	73,900*													100
105	55.1	272.1	51,200*	60.0	278.5	60,700*	62.8	281.2	67,800*													105
110	52.9	268.4	47,800*	57.9	275.4	56,300*	60.8	278.5	62,500*													110
115	50.6	264.4	44,800*	55.8	272.1	52,300*	58.7	275.5	57,900*													115
120	48.2	260.0	42,000*	53.6	268.5	48,800*	56.6	272.3	53,700*	61.3	276.6	60,400										120
125	45.8	255.3	39,500*	51.3	264.6	45,700*	54.4	268.8	50,100*	59.2	273.6	57,100										125
130	43.2	250.1	37,200*	48.9	260.3	42,800*	52.1	265.0	46,800*	57.1	270.5	54,100										130
135	40.5	244.4	35,100*	46.5	255.7	40,200*	49.8	260.9	43,800*	54.9	267.1	51,000*										135
140	37.6	238.2	33,100*	44.0	250.7	37,900*	47.4	256.4	41,200*	52.7	263.3	47,600*	57.5	267.5	45,400							140
145	34.5	231.2	31,300*	41.3	245.2	35,700*	44.9	251.5	38,700*	50.4	259.3	44,600*	55.4	264.2	43,200							145
150	31.2	223.3	29,700*	38.5	239.1	33,700*	42.3	246.2	36,500*	48.0	254.9	41,800*	53.1	260.5	41,200							150
155	27.5	214.2	28,100*	35.5	232.3	31,900*	39.5	240.3	34,400*	45.5	250.1	39,300*	50.9	256.5	39,300							155
160	23.2	203.5	26,700*	32.2	224.7	30,200*	36.6	233.8	32,600*	43.0	244.9	37,000*	48.5	252.2	37,500							160
165	18.0	189.8	25,100*	28.6	216.1	28,600*	33.4	226.5	30,800*	40.2	239.2	35,000*	46.0	247.5	35,800	51.1	252.5	33,100				165
170	10.5	169.5	21,900*	24.6	205.9	27,100*	30.0	218.3	29,200*	37.3	232.9	33,000*	43.5	242.4	34,300	48.8	248.2	31,600				170
175				19.7	193.3	25,800*	26.1	208.7	27,700*	34.2	225.8	31,200*	40.8	236.8	32,900	46.3	243.6	30,300				175
180				13.2	175.9	24,200*	21.6	197.2	26,300*	30.9	217.8	29,600*	37.9	230.6	31,500	43.8	238.5	29,000				180
185							15.9	182.1	24,900*	27.1	208.7	28,100*	34.9	223.7	30,200	41.1	233.0	27,800	46.4	238.3	25,400	185
190							6.1	155.3	22,400*	22.8	197.7	26,600*	31.6	215.9	29,000	38.3	226.8	26,600	43.9	233.3	24,400	190
195										17.5	183.7	25,300*	27.9	207.0	27,800	35.3	220.0	25,600	41.2	227.7	23,300	195
200										9.6	162.2	24,000*	23.7	196.4	26,700	32.0	212.4	24,500	38.4	221.6	22,400	200
205													18.6	183.2	25,600*	28.4	203.6	23,500	35.4	214.9	21,500	205
210													11.6	164.0	24,300*	24.3	193.3	22,600	32.1	207.2	20,600	210
215																19.3	180.5	21,700	28.5	198.5	19,800	215
220																12.6	162.5	20,800	24.4	188.3	19,000	220
225																			19.5	175.6	18,200	225
230																			12.9	157.9	17,400	230

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

130 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.9	306.2	83,000*																			55
60	74.2	304.8	80,800*																			60
65	72.4	303.2	78,600*																			65
70	70.6	301.5	76,400*																			70
75	68.8	299.6	74,100*																			75
80	67.0	297.6	72,000*																			80
85	65.2	295.3	69,300*	69.4	299.2	75,400*																85
90	63.3	292.8	63,800*	67.6	297.2	73,400*																90
95	61.4	290.2	58,900*	65.7	295.0	71,000*																95
100	59.4	287.3	54,700*	63.9	292.6	65,400*	66.4	294.7	71,500*													100
105	57.5	284.2	50,900*	62.0	290.0	60,400*	64.5	292.4	67,500*													105
110	55.4	280.8	47,500*	60.0	287.2	55,900*	62.7	289.9	62,200*													110
115	53.3	277.2	44,400*	58.0	284.1	52,000*	60.7	287.1	57,600*													115
120	51.2	273.2	41,700*	56.0	280.8	48,500*	58.8	284.2	53,400*													120
125	49.0	269.0	39,200*	54.0	277.2	45,400*	56.8	281.0	49,800*	61.2	285.2	56,700										125
130	46.7	264.4	36,900*	51.8	273.4	42,500*	54.7	277.5	46,500*	59.3	282.3	53,800										130
135	44.3	259.4	34,800*	49.6	269.3	39,900*	52.6	273.8	43,500*	57.3	279.2	50,700*										135
140	41.8	254.0	32,800*	47.4	264.8	37,600*	50.5	269.7	40,900*	55.2	275.8	47,300*										140
145	39.2	248.0	31,000*	45.0	259.9	35,400*	48.2	265.4	38,400*	53.2	272.1	44,300*	57.7	276.2	42,900							145
150	36.4	241.5	29,400*	42.6	254.6	33,400*	45.9	260.6	36,200*	51.0	268.1	41,500*	55.6	272.9	40,800							150
155	33.5	234.2	27,800*	40.0	248.8	31,600*	43.5	255.5	34,100*	48.8	263.9	39,000*	53.6	269.3	38,900							155
160	30.2	226.0	26,400*	37.3	242.5	29,900*	41.0	249.9	32,200*	46.5	259.2	36,700*	51.4	265.4	37,200							160
165	26.6	216.6	25,000*	34.4	235.4	28,300*	38.3	243.8	30,500*	44.1	254.2	34,600*	49.2	261.1	35,500							165
170	22.5	205.4	23,800*	31.2	227.5	26,800*	35.5	237.0	28,900*	41.6	248.7	32,700*	46.9	256.6	34,000	51.7	261.3	31,300				170
175	17.5	191.3	22,400*	27.7	218.5	25,500*	32.4	229.5	27,400*	39.0	242.7	30,900*	44.6	251.6	32,600	49.5	257.2	29,900				175
180	10.2	170.3	19,500*	23.8	208.0	24,200*	29.1	220.9	26,000*	36.2	236.1	29,300*	42.1	246.3	31,200	47.2	252.6	28,700				180
185				19.1	195.0	23,000*	25.3	211.0	24,600*	33.2	228.8	27,800*	39.5	240.4	29,900	44.9	247.7	27,500				185
190				12.8	177.0	21,600*	21.0	199.0	23,400*	29.9	220.5	26,300*	36.7	233.9	28,700	42.4	242.4	26,300	47.3	247.4	24,000	190
195							15.4	183.4	22,200*	26.3	211.0	25,000*	33.8	226.7	27,600	39.8	236.6	25,300	45.0	242.5	23,000	195
200							5.9	155.7	19,900*	22.1	199.6	23,700*	30.6	218.6	26,500	37.1	230.2	24,200	42.5	237.2	22,100	200
205										17.0	185.2	22,600*	27.0	209.4	25,300*	34.2	223.1	23,300	39.9	231.4	21,200	205
210										9.3	163.0	21,400*	23.0	198.4	24,000*	31.0	215.2	22,300	37.2	225.0	20,300	210
215													18.1	184.8	22,800*	27.5	206.1	21,500	34.3	218.0	19,500	215
220													11.2	165.0	21,700*	23.5	195.4	20,600	31.1	210.0	18,700	220
225																18.7	182.1	19,800	27.6	201.0	17,900	225
230																12.3	163.6	19,000	23.7	190.4	17,200	230
235																			18.9	177.2	16,500	235
240																			12.5	159.0	15,800	240

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

130 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	315.2	75,700*																			60
65	73.4	313.7	73,700*																			65
70	71.8	312.1	71,700*																			70
75	70.1	310.3	69,600*																			75
80	68.4	308.4	67,400*																			80
85	66.6	306.3	64,800*	70.6	309.9	70,500*																85
90	64.9	304.0	62,200*	68.9	308.0	68,600*																90
95	63.1	301.5	58,400*	67.2	305.9	66,000*																95
100	61.3	298.8	54,100*	65.4	303.7	63,600*	67.8	305.6	66,300*													100
105	59.5	296.0	50,400*	63.6	301.3	59,800*	66.1	303.4	64,100*													105
110	57.6	292.8	47,000*	61.9	298.6	55,400*	64.3	301.1	61,700*													110
115	55.7	289.5	43,900*	60.0	295.8	51,500*	62.5	298.5	57,000*													115
120	53.7	285.9	41,100*	58.2	292.8	48,000*	60.7	295.8	52,900*													120
125	51.7	282.0	38,600*	56.3	289.5	44,800*	58.8	292.8	49,200*	63.0	296.6	56,200										125
130	49.6	277.9	36,300*	54.3	286.0	42,000*	57.0	289.6	46,000*	61.2	293.9	53,200										130
135	47.5	273.4	34,200*	52.3	282.2	39,400*	55.0	286.2	43,000*	59.3	291.0	50,100*										135
140	45.3	268.6	32,300*	50.3	278.1	37,000*	53.1	282.5	40,300*	57.4	287.8	46,800*										140
145	43.0	263.3	30,500*	48.1	273.8	34,900*	51.0	278.6	37,900*	55.5	284.5	43,700*										145
150	40.6	257.7	28,800*	46.0	269.0	32,900*	48.9	274.3	35,600*	53.5	280.9	41,000*				40,200						150
155	38.0	251.5	27,300*	43.7	263.9	31,000*	46.8	269.7	33,600*	51.5	277.0	38,500*	57.8	284.9	40,200	55.9	281.6	38,300				155
160	35.4	244.7	25,900*	41.3	258.4	29,300*	44.5	264.8	31,700*	49.5	272.8	36,200*	53.9	278.0	36,600							160
165	32.5	237.1	24,500*	38.8	252.4	27,800*	42.2	259.4	30,000*	47.3	268.3	34,100*	51.9	274.2	35,000							165
170	29.3	228.6	23,300*	36.2	245.7	26,300*	39.7	253.6	28,300*	45.1	263.4	32,200*	49.9	270.0	33,400							170
175	25.9	218.9	22,100*	33.4	238.4	24,900*	37.2	247.2	26,800*	42.8	258.2	30,400*	47.7	265.6	32,000	52.2	270.1	29,300				175
180	21.8	207.4	21,000*	30.3	230.2	23,600*	34.4	240.1	25,400*	40.4	252.4	28,700*	45.5	260.8	30,600	50.1	266.0	28,100				180
185	17.0	192.8	19,700*	26.9	220.9	22,400*	31.5	232.3	24,100*	37.8	246.2	27,200*	43.2	255.6	29,400	48.0	261.6	26,900				185
190	9.9	171.2	17,100*	23.1	210.0	21,300*	28.2	223.4	22,900*	35.1	239.3	25,800*	40.8	250.0	28,200	45.8	256.9	25,700				190
195				18.5	196.6	20,200*	24.6	213.2	21,700*	32.2	231.7	24,500*	38.3	243.9	27,000	43.5	251.8	24,700				195
200				12.4	178.0	19,000*	20.3	200.8	20,600*	29.0	223.1	23,200*	35.7	237.1	25,900	41.1	246.2	23,700	45.9	251.6	21,500	200
205							15.0	184.7	19,600*	25.5	213.2	22,000*	32.8	229.7	24,700*	38.6	240.1	22,700	43.6	246.5	20,600	205
210							5.8	156.2	17,600*	21.5	201.5	20,900*	29.7	221.3	23,500*	36.0	233.5	21,800	41.2	241.0	19,700	210
215										16.5	186.6	19,900*	26.2	211.7	22,300*	33.2	226.1	20,900	38.7	234.9	18,900	215
220										9.0	163.7	18,900*	22.3	200.4	21,200*	30.1	217.8	20,100	36.1	228.3	18,100	220
225													17.5	186.3	20,100*	26.7	208.4	19,300	33.3	220.9	17,400	225
230													10.9	165.9	19,100*	22.8	197.4	18,500	30.2	212.7	16,700	230
235																18.2	183.7	17,800	26.8	203.4	16,000	235
240																11.9	164.6	17,000	23.0	192.4	15,300	240
245																			18.4	178.9	14,700	245
250																			12.2	160.0	14,000	250

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

130 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	325.5	69,300*																			60
65	74.3	324.2	68,700*																			65
70	72.8	322.6	67,400*																			70
75	71.2	321.0	65,200*																			75
80	69.6	319.2	62,900*																			80
85	67.9	317.2	60,600*																			85
90	66.3	315.0	58,200*	70.0	318.7	63,700*																90
95	64.6	312.7	55,800*	68.4	316.8	61,600*																95
100	63.0	310.2	53,400*	66.8	314.7	59,300*																100
105	61.2	307.5	49,800*	65.1	312.4	57,000*	67.4	314.4	59,700*													105
110	59.5	304.6	46,400*	63.5	309.9	54,700*	65.7	312.2	57,600*													110
115	57.7	301.5	43,400*	61.8	307.3	51,000*	64.1	309.8	55,300*													115
120	55.9	298.2	40,600*	60.0	304.5	47,400*	62.4	307.2	52,400*													120
125	54.1	294.6	38,100*	58.3	301.4	44,300*	60.7	304.4	48,700*													125
130	52.2	290.8	35,800*	56.5	298.2	41,500*	58.9	301.5	45,500*	62.8	305.2	52,700										130
135	50.2	286.8	33,700*	54.6	294.7	38,900*	57.1	298.3	42,500*	61.1	302.5	49,600*										135
140	48.2	282.4	31,800*	52.7	291.0	36,500*	55.3	294.9	39,800*	59.3	299.6	46,300*										140
145	46.2	277.7	30,000*	50.8	287.0	34,300*	53.4	291.3	37,400*	57.6	296.5	43,200*										145
150	44.0	272.6	28,300*	48.8	282.7	32,400*	51.5	287.4	35,100*	55.8	293.2	40,500*										150
155	41.8	267.2	26,800*	46.8	278.1	30,500*	49.6	283.2	33,100*	53.9	289.6	38,000*	57.9	293.6	37,800							155
160	39.4	261.3	25,400*	44.7	273.2	28,800*	47.5	278.7	31,200*	52.0	285.8	35,700*	56.1	290.3	36,100							160
165	37.0	254.8	24,000*	42.5	267.8	27,300*	45.4	273.9	29,500*	50.1	281.7	33,600*	54.3	286.7	34,400							165
170	34.4	247.8	22,800*	40.2	262.1	25,800*	43.3	268.8	27,800*	48.0	277.3	31,700*	52.4	283.0	32,900							170
175	31.6	239.9	21,600*	37.7	255.8	24,400*	41.0	263.1	26,300*	46.0	272.5	29,900*	50.4	278.9	31,500							175
180	28.5	231.2	20,500*	35.2	248.9	23,100*	38.6	257.1	24,900*	43.8	267.5	28,200*	48.4	274.6	30,100	52.6	278.9	27,500				180
185	25.1	221.1	19,400*	32.4	241.3	22,000*	36.1	250.4	23,600*	41.6	262.0	26,700*	46.4	269.9	28,900	50.7	274.9	26,300				185
190	21.2	209.2	18,500*	29.5	232.9	20,800*	33.5	243.1	22,400*	39.2	256.0	25,300*	44.2	264.9	27,700	48.7	270.6	25,200				190
195	16.5	194.3	17,300*	26.2	223.2	19,800*	30.6	235.0	21,200*	36.8	249.5	24,000*	42.0	259.5	26,500	46.6	266.0	24,200				195
200	9.6	172.0	14,900*	22.5	212.0	18,800*	27.4	225.9	20,200*	34.1	242.4	22,700*	39.7	253.6	25,500	44.5	261.0	23,100				200
205				18.0	198.2	17,800*	23.9	215.3	19,100*	31.3	234.5	21,500*	37.3	247.2	24,200*	42.3	255.7	22,200	46.7	260.7	20,000	205
210				12.1	179.1	16,700*	19.8	202.5	18,200*	28.2	225.6	20,400*	34.7	240.3	23,000*	40.0	249.9	21,300	44.6	255.8	19,200	210
215							14.6	186.0	17,200*	24.8	215.4	19,400*	31.9	232.5	21,800*	37.6	243.5	20,400	42.4	250.4	18,400	215
220							5.6	156.7	15,400*	20.9	203.3	18,400*	28.9	223.9	20,700*	35.0	236.6	19,600	40.1	244.6	17,600	220
225										16.0	188.0	17,500*	25.5	214.0	19,600*	32.2	229.0	18,800	37.7	238.3	16,900	225
230										8.8	164.5	16,600*	21.7	202.3	18,600*	29.3	220.5	18,000	35.1	231.5	16,200	230
235													17.1	187.8	17,700*	26.0	210.7	17,300	32.3	223.9	15,500	235
240													10.6	166.8	16,800*	22.2	199.3	16,600	29.4	215.4	14,800	240
245																17.7	185.3	15,900	26.1	205.7	14,200	245
250																11.6	165.6	15,300	22.3	194.4	13,600	250
255																			17.9	180.4	13,000	255
260																			11.8	161.0	12,400	260

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

130 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	334.5	62,100*																			65
70	73.6	333.1	61,500*																			70
75	72.1	331.5	60,600*																			75
80	70.6	329.8	58,400*																			80
85	69.1	327.9	56,100*																			85
90	67.6	325.9	53,800*																			90
95	66.0	323.7	51,500*	69.6	327.5	56,900*																95
100	64.4	321.4	49,200*	68.0	325.5	54,800*																100
105	62.8	318.9	46,900*	66.5	323.4	52,600*																105
110	61.2	316.2	44,700*	64.9	321.1	50,300*	67.0	323.1	53,000*													110
115	59.5	313.3	42,500*	63.3	318.6	48,000*	65.5	320.9	50,900*													115
120	57.8	310.2	40,100*	61.7	316.0	45,800*	63.9	318.5	48,700*													120
125	56.1	306.9	37,500*	60.0	313.1	43,600*	62.3	315.9	46,600*													125
130	54.4	303.4	35,300*	58.3	310.1	40,900*	60.6	313.1	44,900*													130
135	52.6	299.6	33,200*	56.6	306.9	38,300*	59.0	310.2	41,900*	62.7	313.9	46,300*										135
140	50.7	295.6	31,200*	54.9	303.4	35,900*	57.3	307.0	39,300*	61.0	311.2	44,400*										140
145	48.9	291.3	29,400*	53.1	299.7	33,800*	55.5	303.6	36,800*	59.4	308.3	42,500*										145
150	46.9	286.8	27,800*	51.3	295.8	31,800*	53.8	300.0	34,600*	57.7	305.2	39,900*										150
155	44.9	281.9	26,200*	49.4	291.6	30,000*	52.0	296.2	32,500*	56.0	301.9	37,400*										155
160	42.8	276.6	24,800*	47.5	287.1	28,300*	50.1	292.1	30,600*	54.2	298.3	35,100*	58.0	302.2	35,500							160
165	40.7	270.9	23,500*	45.5	282.3	26,700*	48.2	287.7	28,900*	52.4	294.6	33,000*	56.3	299.0	33,800							165
170	38.4	264.8	22,200*	43.5	277.2	25,200*	46.3	283.0	27,300*	50.6	290.5	31,100*	54.6	295.5	32,300							170
175	36.0	258.1	21,000*	41.3	271.6	23,900*	44.2	278.0	25,800*	48.7	286.2	29,300*	52.8	291.7	30,900							175
180	33.5	250.8	19,900*	39.1	265.6	22,600*	42.1	272.6	24,400*	46.7	281.6	27,700*	50.9	287.8	29,600							180
185	30.7	242.7	18,900*	36.7	259.1	21,400*	39.9	266.8	23,100*	44.7	276.7	26,200*	49.1	283.5	28,300	53.0	287.7	25,700				185
190	27.8	233.6	17,900*	34.2	252.0	20,300*	37.6	260.5	21,800*	42.6	271.4	24,700*	47.1	279.0	27,100	51.2	283.7	24,600				190
195	24.5	223.3	17,000*	31.6	244.2	19,200*	35.2	253.6	20,700*	40.5	265.7	23,400*	45.1	274.1	26,000	49.3	279.5	23,500				195
200	20.7	211.0	16,100*	28.7	235.4	18,200*	32.6	246.1	19,600*	38.2	259.5	22,200*	43.1	268.9	24,900	47.4	275.0	22,500				200
205	16.1	195.7	15,000*	25.5	225.5	17,300*	29.8	237.7	18,600*	35.8	252.8	21,000*	40.9	263.2	23,700*	45.4	270.2	21,600				205
210	9.4	172.8	12,900*	21.9	213.9	16,400*	26.7	228.2	17,600*	33.2	245.4	19,900*	38.6	257.1	22,400*	43.3	265.0	20,700	47.4	269.7	18,500	210
215				17.6	199.7	15,500*	23.3	217.3	16,700*	30.5	237.2	18,800*	36.3	250.5	21,200*	41.2	259.4	19,800	45.5	264.9	17,700	215
220				11.8	180.1	14,600*	19.3	204.2	15,800*	27.5	228.1	17,900*	33.7	243.3	20,100*	38.9	253.4	19,000	43.4	259.8	17,000	220
225							14.2	187.2	15,000*	24.2	217.6	16,900*	31.0	235.3	19,100*	36.6	246.9	18,200	41.2	254.2	16,200	225
230							5.4	157.1	13,400*	20.3	205.1	16,100*	28.1	226.4	18,100*	34.1	239.7	17,500	39.0	248.2	15,600	230
235										15.6	189.4	15,200*	24.9	216.2	17,100*	31.4	231.8	16,800	36.7	241.7	14,900	235
240										8.5	165.2	14,400*	21.1	204.2	16,200*	28.5	223.0	16,100	34.2	234.5	14,200	240
245													16.6	189.2	15,400*	25.3	213.0	15,400	31.5	226.7	13,600	245
250													10.3	167.7	14,600*	21.6	201.2	14,800	28.6	217.9	13,000	250
255																17.2	186.8	14,200	25.4	207.9	12,500	255
260																11.3	166.5	13,500	21.8	196.3	11,900	260
265																			17.4	181.9	11,400	265
270																			11.5	162.0	10,800	270

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFT CRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

140 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	63.7	213.7	152,200*b																			45
50	59.0	210.9	140,800*b																			50
55	54.0	207.4	123,800*b	65.8	213.8	155,800*b																55
60	48.7	203.3	109,400*	61.2	211.2	144,400*b	67.9	213.7	150,700*b													60
65	42.8	198.2	97,800*	56.4	208.0	132,000*b	63.4	211.3	141,800*b													65
70	36.3	191.9	88,200*	51.2	204.2	115,800*	58.7	208.4	133,500*b													70
75	28.4	183.7	80,200*	45.7	199.6	103,000*	53.7	204.9	123,400*b													75
80	17.3	171.2	73,400*	39.5	194.0	92,500*	48.4	200.7	109,100*	60.7	206.9	108,500b										80
85				32.3	186.8	84,200*	42.5	195.6	97,500*	55.8	203.7	100,100b										85
90				23.2	176.9	76,800*	35.9	189.3	88,100*	50.6	199.8	92,900										90
95				5.1	155.4	69,200*	27.9	180.9	80,100*	45.0	195.1	86,500	57.6	201.1	81,400b							95
100							16.5	167.9	73,400*	38.8	189.3	80,900	52.5	197.4	76,100							100
105										31.4	181.9	75,900	47.1	193.1	71,400							105
110										22.0	171.5	71,300	41.1	187.7	67,200							110
115													34.2	181.0	63,300	48.7	189.5	59,400				115
120													25.8	171.9	59,800	42.9	184.5	56,200				120
125													12.6	156.7	56,600	36.3	178.2	53,200				125
130																28.4	170.0	50,400	44.0	179.7	47,200	130
135																17.4	157.5	47,900	37.6	173.7	44,800	135
140																			30.1	165.9	42,600	140
145																			20.0	154.7	40,600	145

MANITOWOC CRANES, INC.

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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 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

140 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	67.2	224.8	148,300*b																			45
50	63.2	222.4	137,600*b																			50
55	59.1	219.5	124,600*b	69.0	224.7	150,300*b																55
60	54.8	216.2	110,000*	65.1	222.5	141,200*b																60
65	50.2	212.2	98,300*	61.1	219.9	131,400*b	67.0	222.4	137,200*b													65
70	45.3	207.5	88,900*	56.8	216.7	116,500*	63.0	220.0	129,600*b													70
75	39.9	201.9	80,800*	52.4	213.1	103,500*	58.9	217.1	122,500*													75
80	33.8	195.0	74,000*	47.7	208.7	93,000*	54.5	213.7	109,600*													80
85	26.4	186.0	68,100*	42.5	203.6	84,500*	49.9	209.7	98,000*	60.6	215.6	99,600b										85
90	16.1	172.6	62,900*	36.8	197.3	77,100*	45.0	204.9	88,400*	56.4	212.4	92,300										90
95				30.1	189.5	70,800*	39.6	199.3	80,500*	51.9	208.6	86,000	57.9	209.7	75,500							95
100				21.6	178.8	65,300*	33.4	192.3	73,700*	47.1	204.2	80,400	53.5	206.2	70,800							100
105				4.7	155.7	59,600*	26.0	183.2	67,800*	41.9	199.0	75,400	48.9	202.1	66,600							105
110							15.4	169.2	62,700*	36.1	192.6	71,000	43.8	197.1	62,800							110
115										29.3	184.5	66,900										115
120										20.5	173.3	63,200	38.3	191.2	59,400	50.2	198.5	55,500				120
125													31.9	183.8	56,200	45.3	193.8	52,600				125
130													24.0	174.0	53,300	39.9	188.2	49,900				130
135													11.7	157.6	50,600	33.8	181.3	47,400	46.3	188.9	44,200	135
140																26.5	172.3	45,100	41.0	183.5	42,000	140
145																16.2	158.9	42,900	35.1	176.9	40,100	145
150																			28.0	168.4	38,200	150
155																			18.6	156.3	36,400	155

MANITOWOC CRANES, INC.

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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 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

140 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	73.2	237.4	152,500*b																			40
45	69.9	235.6	144,100*b																			45
50	66.4	233.5	134,400*b																			50
55	62.9	231.1	125,100*																			55
60	59.2	228.2	110,400*	68.0	233.5	136,800*b																60
65	55.4	224.9	98,600*	64.6	231.2	128,800*b																65
70	51.4	221.1	89,100*	60.9	228.5	117,000*	66.2	231.1	125,700*b													70
75	47.1	216.6	81,000*	57.2	225.4	103,900*	62.7	228.6	119,300*													75
80	42.5	211.4	74,100*	53.3	221.8	93,300*	59.0	225.8	110,000*													80
85	37.5	205.3	68,200*	49.2	217.7	84,700*	55.2	222.4	98,300*													85
90	31.8	197.8	63,000*	44.7	212.9	77,300*	51.1	218.6	88,700*	60.5	224.2	91,800										90
95	24.9	188.2	58,500*	39.9	207.2	70,900*	46.9	214.1	80,600*	56.8	221.1	85,500										95
100	15.2	173.9	54,500*	34.6	200.5	65,400*	42.3	208.9	73,800*	52.8	217.4	80,000										100
105				28.3	192.0	60,600*	37.2	202.7	67,900*	48.7	213.2	75,000										105
110				20.3	180.5	56,400*	31.4	195.1	62,800*	44.2	208.3	70,600	54.3	215.0	66,100							110
115				4.3	156.0	51,900*	24.4	185.3	58,300*	39.4	202.6	66,600	50.2	211.0	62,300							115
120							14.4	170.5	54,300*	33.9	195.7	62,900	45.9	206.4	58,900							120
125										27.5	187.0	59,600	41.2	200.9	55,800	51.4	207.3	52,100				125
130										19.2	174.9	56,000*	36.0	194.5	53,000	47.1	202.9	49,400				130
135													30.0	186.5	50,300	42.6	197.7	46,900				135
140													22.6	176.0	47,900	37.5	191.6	44,700	48.0	197.9	41,500	140
145													11.0	158.6	45,500	31.8	184.1	42,600	43.5	192.9	39,600	145
150																24.9	174.5	40,600	38.5	187.0	37,700	150
155																15.2	160.2	38,700	33.0	179.8	36,000	155
160																			26.4	170.8	34,400	160
165																			17.5	157.8	32,900	165

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

140 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	75.0	247.8	145,200*b																			40
45	72.0	246.2	137,700*b																			45
50	68.9	244.4	130,200*b																			50
55	65.8	242.2	121,800*																			55
60	62.6	239.7	111,200*	70.4	244.2	132,100*b																60
65	59.3	236.9	99,200*	67.3	242.2	125,200*																65
70	55.9	233.6	89,500*	64.1	239.9	117,500*																70
75	52.3	229.9	81,300*	60.8	237.2	104,600*	65.6	239.8	115,900*													75
80	48.5	225.6	74,300*	57.5	234.1	93,800*	62.4	237.3	110,300*													80
85	44.5	220.8	68,300*	54.0	230.6	85,000*	59.1	234.4	98,900*													85
90	40.2	215.1	63,100*	50.3	226.6	77,500*	55.7	231.1	89,100*													90
95	35.5	208.5	58,500*	46.4	222.0	71,100*	52.1	227.4	80,900*	60.5	232.9	84,900										95
100	30.1	200.5	54,500*	42.3	216.8	65,500*	48.3	223.1	74,000*	57.1	229.8	79,400										100
105	23.5	190.3	50,900*	37.8	210.7	60,600*	44.3	218.2	68,000*	53.6	226.2	74,400										105
110	14.3	175.1	47,600*	32.7	203.4	56,400*	40.0	212.5	62,900*	49.9	222.2	70,000										110
115				26.8	194.4	52,600*	35.2	205.8	58,300*	46.0	217.5	66,000	54.9	223.7	61,700							115
120				19.2	182.2	49,200*	29.7	197.8	54,300*	41.8	212.2	62,400	51.3	219.8	58,300							120
125				4.1	156.3	45,600*	23.1	187.4	50,700*	37.2	206.0	59,100	47.4	215.4	55,200							125
130							13.6	171.6	47,500*	32.1	198.5	56,000*	43.4	210.4	52,400	52.3	216.1	48,700				130
135										26.1	189.3	52,200*	38.9	204.5	49,800	48.5	211.9	46,300				135
140										18.2	176.5	48,900*	34.0	197.6	47,400	44.5	207.0	44,100				140
145													28.4	189.1	45,200	40.2	201.4	42,000				145
150													21.4	177.9	43,100	35.5	194.8	40,000	45.3	202.2	37,100	150
155													10.4	159.4	41,000	30.1	186.8	38,200	41.1	196.7	35,400	155
160																23.6	176.6	36,500	36.4	190.3	33,800	160
165																14.4	161.4	34,900	31.2	182.6	32,300	165
170																			24.9	173.0	30,900	170
175																			16.6	159.2	29,600	175

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

140 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	73.7	256.7	132,500*																			45
50	70.9	255.1	126,100*																			50
55	68.1	253.1	118,900*																			55
60	65.3	250.9	111,700*																			60
65	62.3	248.4	101,500*	69.4	253.0	121,200*																65
70	59.3	245.5	91,500*	66.6	250.9	115,000*																70
75	56.2	242.3	83,100*	63.7	248.5	107,000*	68.0	250.8	112,200*													75
80	53.0	238.7	75,900*	60.8	245.8	95,900*	65.1	248.5	107,100*													80
85	49.7	234.6	69,800*	57.7	242.8	86,900*	62.2	246.0	101,100*													85
90	46.1	229.9	64,400*	54.6	239.3	79,200*	59.2	243.1	91,000*													90
95	42.3	224.7	59,800*	51.3	235.5	72,600*	56.1	239.8	82,700*													95
100	38.2	218.6	55,700*	47.8	231.1	66,900*	52.8	236.2	75,600*	60.4	241.5	78,800										100
105	33.7	211.6	52,000*	44.1	226.1	61,900*	49.5	232.0	69,500*	57.4	238.4	73,900										105
110	28.6	203.1	48,700*	40.2	220.5	57,600*	45.9	227.4	64,200*	54.2	235.0	69,500										110
115	22.4	192.3	45,700*	35.9	214.0	53,700*	42.1	222.1	59,600*	50.9	231.0	65,500										115
120	13.6	176.2	42,200*	31.1	206.2	50,200*	38.0	216.0	55,500*	47.4	226.6	61,900	55.4	232.4	57,700							120
125				25.5	196.7	47,100*	33.5	208.9	51,800*	43.7	221.6	58,600	52.1	228.7	54,600							125
130				18.3	183.8	44,300*	28.3	200.3	48,500*	39.8	215.8	55,600	48.7	224.4	51,800							130
135				3.8	156.5	38,900*	22.0	189.3	45,600*	35.4	209.2	52,900	45.1	219.6	49,300	53.0	224.9	45,700				135
140							13.0	172.7	42,900*	30.5	201.3	49,900*	41.2	214.2	46,900	49.7	220.8	43,500				140
145										24.8	191.5	46,800*	37.0	207.9	44,700	46.1	216.2	41,400				145
150										17.3	178.0	44,000*	32.4	200.5	42,600	42.3	210.9	39,500				150
155													27.0	191.4	40,700	38.3	204.9	37,700	46.8	211.3	34,800	155
160													20.3	179.7	38,900	33.8	197.8	36,100	43.1	206.2	33,200	160
165													9.9	160.2	37,100	28.6	189.4	34,500	39.1	200.3	31,800	165
170																22.4	178.6	33,000	34.7	193.5	30,400	170
175																13.7	162.6	31,600	29.7	185.3	29,100	175
180																			23.7	175.0	27,900	180
185																			15.8	160.6	26,700	185

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

140 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.1	267.2	123,500*																			45
50	72.6	265.7	119,300*																			50
55	70.0	263.9	115,200*																			55
60	67.5	261.9	108,900*																			60
65	64.8	259.6	101,200*																			65
70	62.1	257.1	91,000*	68.7	261.8	111,300*																70
75	59.4	254.2	82,600*	66.1	259.6	105,900*																75
80	56.6	251.0	75,400*	63.4	257.2	95,600*	67.3	259.5	103,500*													80
85	53.6	247.4	69,400*	60.7	254.5	86,400*	64.7	257.2	99,100*													85
90	50.6	243.4	64,000*	57.9	251.4	78,700*	62.0	254.6	90,700*													90
95	47.4	239.0	59,400*	55.0	248.1	72,200*	59.2	251.8	82,300*													95
100	44.0	234.0	55,200*	52.0	244.3	66,500*	56.4	248.5	75,200*													100
105	40.4	228.4	51,600*	48.9	240.1	61,500*	53.5	244.9	69,100*	60.4	250.2	73,300										105
110	36.5	221.9	48,300*	45.6	235.3	57,200*	50.4	240.9	63,800*	57.6	247.1	68,900										110
115	32.2	214.5	45,300*	42.1	230.0	53,300*	47.2	236.5	59,200*	54.7	243.7	64,900										115
120	27.3	205.5	42,600*	38.4	224.0	49,800*	43.8	231.4	55,100*	51.7	239.9	61,300										120
125	21.4	194.1	40,100*	34.3	217.1	46,700*	40.2	225.8	51,400*	48.6	235.6	58,100	55.8	241.1	54,000							125
130	13.0	177.3	37,100*	29.7	208.9	43,900*	36.3	219.3	48,100*	45.3	230.8	55,100	52.8	237.4	51,200							130
135				24.4	198.8	41,300*	32.0	211.7	45,200*	41.7	225.4	52,400	49.7	233.3	48,600							135
140				17.5	185.3	38,900*	27.0	202.7	42,500*	38.0	219.3	49,500*	46.5	228.8	46,300							140
145				3.6	156.8	34,400*	21.0	191.1	40,000*	33.8	212.2	46,400*	43.0	223.6	44,100	50.6	229.7	40,800				145
150							12.4	173.8	37,800*	29.2	203.9	43,600*	39.4	217.8	42,100	47.4	225.3	38,900				150
155										23.7	193.6	41,100*	35.4	211.1	40,200	44.0	220.3	37,100				155
160										16.6	179.4	38,700*	30.9	203.2	38,400	40.4	214.6	35,400	48.0	220.3	32,600	160
165													25.8	193.7	36,700	36.5	208.2	33,900	44.7	215.4	31,100	165
170													19.4	181.4	35,100	32.3	200.7	32,400	41.1	209.9	29,800	170
175													9.4	161.0	33,600	27.4	191.8	31,100	37.3	203.7	28,500	175
180																21.4	180.4	29,800	33.1	196.4	27,300	180
185																13.1	163.7	28,500	28.4	187.8	26,200	185
190																			22.7	177.0	25,100	190
195																			15.0	161.9	24,000	195

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

140 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	73.9	276.1	110,400*																			50
55	71.6	274.5	106,700*																			55
60	69.3	272.7	103,300*																			60
65	66.9	270.6	99,800*																			65
70	64.5	268.3	91,700*	70.4	272.5	105,900*																70
75	62.0	265.7	83,100*	68.0	270.5	102,800*																75
80	59.4	262.8	75,800*	65.6	268.3	96,400*																80
85	56.8	259.7	69,700*	63.2	265.9	87,000*	66.8	268.2	95,900*													85
90	54.1	256.2	64,300*	60.7	263.2	79,200*	64.3	265.9	91,400*													90
95	51.3	252.3	59,600*	58.1	260.1	72,600*	61.8	263.3	82,800*													95
100	48.4	248.0	55,400*	55.4	256.8	66,800*	59.3	260.4	75,600*													100
105	45.4	243.2	51,700*	52.7	253.1	61,700*	56.7	257.2	69,400*	62.9	261.6	73,000										105
110	42.2	237.9	48,300*	49.8	249.0	57,300*	54.0	253.7	64,100*	60.4	258.9	68,600										110
115	38.7	231.9	45,300*	46.9	244.4	53,400*	51.2	249.8	59,400*	57.8	255.8	64,600										115
120	35.0	225.1	42,600*	43.7	239.4	49,900*	48.3	245.5	55,200*	55.1	252.4	61,100										120
125	30.9	217.2	40,100*	40.4	233.7	46,700*	45.2	240.7	51,500*	52.4	248.7	57,800										125
130	26.2	207.8	37,900*	36.8	227.3	43,900*	42.0	235.3	48,200*	49.5	244.5	54,800	56.1	249.8	50,900							130
135	20.5	195.9	35,800*	32.9	220.0	41,300*	38.5	229.3	45,200*	46.5	239.9	52,100	53.4	246.2	48,400							135
140	12.5	178.4	33,100*	28.5	211.4	39,000*	34.8	222.4	42,500*	43.4	234.8	49,600*	50.6	242.2	46,000							140
145				23.4	200.9	36,800*	30.7	214.5	40,100*	40.0	229.1	46,500*	47.6	237.8	43,800							145
150				16.8	186.8	34,800*	25.9	205.0	37,800*	36.4	222.6	43,600*	44.5	232.9	41,800	51.4	238.5	38,600				150
155				3.5	157.0	30,800*	20.2	192.9	35,700*	32.4	215.2	41,100*	41.2	227.4	39,900	48.5	234.2	36,800				155
160							11.9	174.8	33,800*	28.0	206.4	38,700*	37.7	221.2	38,200	45.4	229.5	35,200				160
165										22.7	195.6	36,600*	33.9	214.1	36,500	42.2	224.2	33,600				165
170										15.9	180.8	34,600*	29.7	205.9	35,000	38.8	218.2	32,200	46.0	224.6	29,500	170
175													24.8	195.9	33,500	35.0	211.4	30,900	42.8	219.4	28,200	175
180													18.6	183.0	32,100	30.9	203.5	29,600	39.4	213.6	27,100	180
185													9.0	161.8	30,800	26.2	194.1	28,400	35.8	206.9	25,900	185
190																20.6	182.2	27,200	31.8	199.3	24,900	190
195																12.6	164.8	26,100	27.2	190.2	23,900	195
200																			21.8	178.9	22,900	200
205																			14.4	163.1	21,900	205

MANITOWOC CRANES, INC.

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LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

140 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.1	286.5	103,000*																			50
55	73.0	285.1	99,800*																			55
60	70.8	283.4	96,700*																			60
65	68.6	281.5	93,600*																			65
70	66.4	279.3	90,600*																			70
75	64.2	277.0	82,700*	69.7	281.3	95,900*																75
80	61.8	274.4	75,400*	67.5	279.3	93,300*																80
85	59.5	271.5	69,300*	65.2	277.0	86,600*																85
90	57.1	268.4	63,800*	62.9	274.6	78,800*	66.3	277.0	89,300*													90
95	54.6	264.9	59,100*	60.6	271.8	72,100*	64.0	274.6	82,400*													95
100	52.0	261.1	54,900*	58.2	268.8	66,300*	61.7	272.0	75,200*													100
105	49.3	256.9	51,200*	55.8	265.5	61,300*	59.3	269.1	69,000*													105
110	46.6	252.3	47,900*	53.2	261.8	56,900*	56.9	265.9	63,600*	62.7	270.3	68,000										110
115	43.6	247.2	44,900*	50.6	257.8	52,900*	54.4	262.4	58,900*	60.3	267.5	64,000										115
120	40.6	241.6	42,100*	47.9	253.5	49,400*	51.9	258.6	54,700*	57.9	264.5	60,500										120
125	37.3	235.3	39,700*	45.0	248.6	46,300*	49.2	254.4	51,000*	55.5	261.1	57,200										125
130	33.7	228.1	37,400*	42.0	243.3	43,400*	46.4	249.8	47,700*	52.9	257.4	54,300										130
135	29.7	219.9	35,300*	38.9	237.3	40,800*	43.5	244.7	44,700*	50.3	253.4	51,600	56.4	258.5	47,700							135
140	25.2	210.0	33,400*	35.4	230.6	38,500*	40.4	239.0	42,000*	47.6	249.0	49,100	53.9	255.0	45,400							140
145	19.7	197.6	31,600*	31.7	222.9	36,300*	37.1	232.7	39,600*	44.7	244.1	46,000*	51.3	251.1	43,200							145
150	12.0	179.4	29,300*	27.4	213.8	34,300*	33.5	225.4	37,300*	41.7	238.7	43,200*	48.6	246.8	41,200							150
155				22.5	202.8	32,500*	29.5	217.1	35,300*	38.5	232.6	40,600*	45.8	242.1	39,300	52.0	247.4	36,200				155
160				16.1	188.1	30,800*	24.9	207.2	33,400*	35.0	225.8	38,300*	42.8	236.8	37,600	49.4	243.2	34,500				160
165				3.3	157.3	27,300*	19.4	194.6	31,600*	31.2	218.0	36,100*	39.7	231.0	36,000	46.6	238.6	33,000				165
170							11.4	175.7	29,900*	26.9	208.8	34,200*	36.3	224.5	34,400	43.7	233.5	31,600				170
175										21.9	197.5	32,300*	32.6	217.1	33,000	40.6	227.9	30,300	47.1	233.7	27,600	175
180										15.3	182.1	30,600*	28.5	208.4	31,600	37.3	221.6	29,000	44.2	228.7	26,400	180
185													23.8	198.0	30,400	33.7	214.4	27,800	41.2	223.2	25,300	185
190													17.9	184.5	29,100	29.8	206.2	26,700	37.9	217.0	24,300	190
195													8.7	162.5	27,900	25.3	196.4	25,600	34.4	210.0	23,300	195
200																19.8	184.0	24,600	30.6	202.0	22,300	200
205																12.1	165.8	23,500	26.2	192.5	21,400	205
210																			20.9	180.8	20,500	210
215																			13.9	164.3	19,700	215

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

140 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.2	295.5	94,900*																			55
60	72.2	293.9	92,300*																			60
65	70.1	292.2	89,700*																			65
70	68.1	290.2	87,100*																			70
75	66.0	288.1	83,600*																			75
80	63.9	285.7	76,200*	69.0	290.1	89,000*																80
85	61.7	283.0	69,900*	67.0	288.0	86,900*																85
90	59.5	280.2	64,400*	64.9	285.7	79,500*	68.0	287.9	86,100*													90
95	57.3	277.0	59,600*	62.7	283.2	72,700*	65.9	285.7	83,100*													95
100	54.9	273.6	55,400*	60.6	280.5	66,900*	63.8	283.3	75,900*													100
105	52.6	269.9	51,600*	58.3	277.5	61,800*	61.6	280.6	69,600*													105
110	50.1	265.8	48,200*	56.1	274.2	57,300*	59.4	277.7	64,200*													110
115	47.5	261.4	45,200*	53.7	270.6	53,300*	57.1	274.6	59,400*	62.5	279.0	63,500										115
120	44.9	256.5	42,400*	51.3	266.7	49,800*	54.8	271.2	55,200*	60.3	276.2	59,900										120
125	42.1	251.1	39,900*	48.8	262.4	46,600*	52.4	267.4	51,400*	58.1	273.1	56,700										125
130	39.1	245.2	37,600*	46.2	257.8	43,700*	50.0	263.3	48,100*	55.8	269.8	53,700										130
135	35.9	238.6	35,500*	43.4	252.6	41,100*	47.4	258.8	45,000*	53.4	266.2	51,000										135
140	32.5	231.1	33,600*	40.5	247.0	38,700*	44.7	253.9	42,300*	51.0	262.3	48,500	56.6	267.2	44,800							140
145	28.7	222.4	31,800*	37.5	240.7	36,500*	41.9	248.5	39,800*	48.5	258.0	46,200	54.3	263.7	42,700							145
150	24.3	212.2	30,200*	34.2	233.6	34,500*	38.9	242.6	37,500*	45.9	253.2	43,400*	51.9	259.9	40,700							150
155	19.1	199.3	28,600*	30.5	225.6	32,700*	35.8	235.9	35,500*	43.1	248.1	40,900*	49.4	255.7	38,800							155
160	11.6	180.4	25,200*	26.5	216.2	31,000*	32.3	228.3	33,500*	40.2	242.3	38,500*	46.8	251.1	37,100	52.6	256.1	34,000				160
165				21.7	204.7	29,400*	28.5	219.6	31,800*	37.1	236.0	36,300*	44.1	246.1	35,400	50.1	252.1	32,400				165
170				15.6	189.5	27,900*	24.1	209.3	30,100*	33.8	228.8	34,300*	41.3	240.6	33,900	47.6	247.6	31,000				170
175				3.2	157.5	23,500*	18.7	196.2	28,600*	30.1	220.7	32,500*	38.3	234.5	32,500	44.9	242.8	29,700				175
180							11.0	176.7	27,100*	26.0	211.1	30,800*	35.0	227.7	31,200	42.1	237.4	28,400				180
185										21.1	199.3	29,200*	31.5	219.9	29,900	39.1	231.5	27,300	45.4	237.9	24,700	185
190										14.7	183.4	27,700*	27.5	210.9	28,700	36.0	224.8	26,100	42.6	232.6	23,700	190
195													23.0	200.0	27,500	32.5	217.4	25,100	39.7	226.8	22,700	195
200													17.3	186.0	26,400	28.7	208.7	24,100	36.6	220.3	21,800	200
205													8.4	163.2	25,300	24.4	198.5	23,100	33.2	213.0	20,900	205
210																19.1	185.6	22,200	29.5	204.6	20,000	210
215																11.6	166.8	21,300	25.2	194.8	19,200	215
220																			20.2	182.5	18,400	220
225																			13.4	165.5	17,600	225

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

140 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.2	305.9	87,600*																			55
60	73.3	304.4	85,200*																			60
65	71.4	302.8	82,800*																			65
70	69.5	301.0	80,500*																			70
75	67.6	299.0	78,200*																			75
80	65.6	296.8	76,000*	70.4	300.8	82,000*																80
85	63.6	294.3	70,000*	68.5	298.9	80,000*																85
90	61.6	291.7	64,500*	66.6	296.7	78,000*																90
95	59.5	288.8	59,600*	64.6	294.4	73,000*	67.5	296.6	78,300*													95
100	57.4	285.7	55,300*	62.6	291.9	67,000*	65.5	294.4	76,200*													100
105	55.3	282.3	51,500*	60.5	289.1	61,900*	63.5	291.9	69,800*													105
110	53.1	278.7	48,000*	58.4	286.1	57,300*	61.5	289.3	64,300*													110
115	50.8	274.7	45,000*	56.3	282.9	53,300*	59.4	286.4	59,400*													115
120	48.4	270.3	42,200*	54.1	279.3	49,600*	57.3	283.3	55,100*	62.4	287.6	59,300										120
125	45.9	265.6	39,600*	51.9	275.5	46,400*	55.2	279.9	51,300*	60.3	284.8	56,100										125
130	43.4	260.5	37,300*	49.5	271.3	43,500*	52.9	276.2	47,900*	58.2	281.8	53,200										130
135	40.7	254.8	35,200*	47.1	266.8	40,800*	50.6	272.2	44,800*	56.1	278.5	50,500										135
140	37.8	248.6	33,300*	44.6	261.9	38,400*	48.3	267.8	42,100*	53.9	275.0	48,000										140
145	34.7	241.7	31,500*	42.0	256.5	36,200*	45.8	263.1	39,500*	51.6	271.1	45,700	56.8	275.9	42,000							145
150	31.4	233.9	29,800*	39.2	250.5	34,200*	43.2	257.9	37,200*	49.3	266.9	43,200*	54.7	272.4	40,000							150
155	27.7	224.9	28,200*	36.2	244.0	32,300*	40.5	252.2	35,100*	46.8	262.3	40,600*	52.4	268.7	38,200							155
160	23.5	214.3	26,800*	33.0	236.6	30,600*	37.6	246.0	33,200*	44.3	257.3	38,200*	50.1	264.6	36,500							160
165	18.4	200.9	25,400*	29.5	228.2	29,000*	34.6	239.0	31,400*	41.7	251.9	36,000*	47.7	260.2	34,800							165
170	11.2	181.4	22,300*	25.6	218.5	27,500*	31.2	231.1	29,700*	38.9	245.9	34,000*	45.2	255.3	33,300	50.8	260.9	30,400				170
175				21.0	206.6	26,100*	27.5	222.1	28,200*	35.9	239.2	32,200*	42.6	250.1	31,900	48.4	256.6	29,100				175
180				15.1	190.8	24,800*	23.3	211.3	26,700*	32.7	231.8	30,400*	39.9	244.3	30,600	45.9	251.9	27,800				180
185				3.1	157.7	20,800*	18.1	197.8	25,400*	29.1	223.3	28,800*	37.0	237.9	29,300	43.4	246.8	26,700				185
190							10.6	177.6	24,100*	25.1	213.3	27,400*	33.9	230.7	28,100	40.7	241.1	25,500	46.4	247.0	23,000	190
195										20.4	201.1	26,000*	30.4	222.6	27,000	37.8	234.9	24,500	43.9	241.9	22,100	195
200										14.2	184.6	24,700*	26.6	213.2	25,900	34.8	228.0	23,500	41.2	236.4	21,100	200
205													22.2	202.0	24,900	31.4	220.2	22,500	38.4	230.3	20,300	205
210													16.7	187.5	23,900	27.8	211.2	21,600	35.4	223.5	19,400	210
215													8.1	163.9	22,900	23.6	200.6	20,800	32.1	215.9	18,600	215
220																18.5	187.2	19,900	28.5	207.2	17,900	220
225																11.3	167.8	19,100	24.4	196.9	17,100	225
230																			19.5	184.3	16,400	230
235																			12.9	166.6	15,700	235

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

140 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.3	314.9	80,000*																			60
65	72.6	313.3	77,900*																			65
70	70.8	311.6	75,800*																			70
75	69.0	309.8	73,700*																			75
80	67.2	307.7	71,600*																			80
85	65.3	305.5	69,000*	69.8	309.6	75,100*																85
90	63.4	303.0	64,200*	68.0	307.6	73,200*																90
95	61.5	300.4	59,300*	66.2	305.5	71,300*																95
100	59.6	297.5	55,000*	64.3	303.1	66,700*	67.0	305.3	71,600*													100
105	57.6	294.4	51,200*	62.4	300.6	61,500*	65.2	303.1	69,500*													105
110	55.6	291.0	47,700*	60.5	297.8	57,000*	63.3	300.6	64,000*													110
115	53.5	287.4	44,700*	58.5	294.8	53,000*	61.4	298.0	59,100*													115
120	51.3	283.5	41,900*	56.5	291.6	49,300*	59.5	295.1	54,800*													120
125	49.1	279.3	39,300*	54.5	288.1	46,100*	57.5	291.9	51,000*	62.2	296.3	55,800										125
130	46.9	274.7	37,000*	52.4	284.3	43,200*	55.4	288.6	47,600*	60.3	293.5	52,800										130
135	44.5	269.7	34,900*	50.2	280.2	40,500*	53.4	284.9	44,500*	58.3	290.5	50,100										135
140	42.0	264.3	33,000*	47.9	275.8	38,100*	51.2	281.0	41,800*	56.3	287.2	47,600										140
145	39.4	258.4	31,200*	45.6	271.0	35,900*	49.0	276.8	39,200*	54.2	283.7	45,300										145
150	36.6	251.9	29,500*	43.2	265.9	33,900*	46.7	272.2	36,900*	52.1	279.9	42,900*	57.0	284.6	39,700							150
155	33.7	244.7	27,900*	40.6	260.2	32,000*	44.3	267.2	34,800*	49.9	275.8	40,300*	55.0	281.2	37,900							155
160	30.5	236.6	26,500*	38.0	254.0	30,300*	41.9	261.8	32,900*	47.7	271.3	37,900*	52.9	277.5	36,100							160
165	26.9	227.3	25,100*	35.1	247.1	28,700*	39.2	255.8	31,100*	45.3	266.5	35,700*	50.7	273.5	34,500							165
170	22.8	216.3	23,900*	32.0	239.5	27,200*	36.5	249.3	29,400*	42.9	261.3	33,700*	48.5	269.1	33,000							170
175	17.9	202.5	22,700*	28.6	230.8	25,800*	33.5	242.0	27,900*	40.3	255.6	31,800*	46.2	264.5	31,600	51.4	269.8	28,700				175
180	10.9	182.3	19,900*	24.8	220.7	24,500*	30.3	233.9	26,400*	37.6	249.3	30,100*	43.8	259.4	30,300	49.1	265.5	27,500				180
185				20.3	208.4	23,300*	26.7	224.5	25,100*	34.8	242.4	28,500*	41.3	253.9	29,000	46.9	261.0	26,300				185
190				14.6	192.1	22,100*	22.6	213.3	23,800*	31.6	234.6	27,100*	38.6	247.8	27,800	44.5	256.0	25,200				190
195				3.0	157.9	18,500*	17.5	199.3	22,600*	28.2	225.8	25,700*	35.8	241.1	26,700	42.0	250.6	24,200	47.3	256.0	21,700	195
200							10.3	178.5	21,500*	24.4	215.4	24,400*	32.8	233.7	25,700	39.4	244.7	23,200	45.0	251.2	20,800	200
205										19.8	202.8	23,200*	29.5	225.2	24,600	36.6	238.2	22,300	42.5	245.9	19,900	205
210										13.8	185.8	22,000*	25.8	215.5	23,700	33.7	231.0	21,400	39.9	240.1	19,100	210
215													21.5	203.9	22,800	30.5	222.9	20,500	37.2	233.7	18,300	215
220													16.2	188.9	21,900	26.9	213.6	19,700	34.3	226.6	17,600	220
225													7.8	164.5	21,000	22.8	202.6	18,900	31.1	218.7	16,800	225
230																17.9	188.8	18,100	27.6	209.6	16,200	230
235																10.9	168.7	17,400	23.7	199.0	15,500	235
240																			18.9	185.9	14,800	240
245																			12.5	167.6	14,200	245

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

140 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.2	325.3	74,000*																			60
65	73.6	323.8	72,400*																			65
70	71.9	322.2	70,700*																			70
75	70.2	320.5	68,800*																			75
80	68.5	318.5	66,800*																			80
85	66.8	316.4	64,600*	71.0	320.2	70,100*																85
90	65.0	314.2	62,200*	69.3	318.4	68,500*																90
95	63.2	311.7	58,700*	67.6	316.4	66,200*																95
100	61.4	309.0	54,400*	65.8	314.2	63,900*																100
105	59.6	306.2	50,600*	64.1	311.8	61,000*	66.7	314.1	64,500*													105
110	57.7	303.1	47,200*	62.3	309.2	56,400*	64.9	311.8	62,300*													110
115	55.8	299.7	44,100*	60.5	306.4	52,400*	63.1	309.3	58,600*													115
120	53.9	296.2	41,300*	58.6	303.5	48,800*	61.3	306.6	54,300*													120
125	51.9	292.3	38,800*	56.7	300.2	45,600*	59.5	303.7	50,500*													125
130	49.8	288.2	36,500*	54.8	296.8	42,600*	57.6	300.6	47,100*	62.1	305.0	52,200										130
135	47.7	283.7	34,400*	52.8	293.1	40,000*	55.7	297.3	44,000*	60.3	302.2	49,500										135
140	45.4	278.9	32,400*	50.8	289.1	37,600*	53.7	293.7	41,200*	58.4	299.1	47,100										140
145	43.2	273.7	30,600*	48.7	284.8	35,400*	51.7	289.8	38,700*	56.5	295.9	44,800										145
150	40.8	268.1	28,900*	46.5	280.1	33,300*	49.7	285.7	36,400*	54.6	292.4	42,400*										150
155	38.2	261.9	27,400*	44.2	275.1	31,500*	47.5	281.2	34,300*	52.6	288.7	39,700*	57.2	293.3	37,200							155
160	35.5	255.2	26,000*	41.9	269.7	29,700*	45.3	276.4	32,300*	50.5	284.6	37,400*	55.3	289.9	35,500							160
165	32.7	247.7	24,600*	39.4	263.8	28,100*	43.0	271.2	30,500*	48.4	280.3	35,200*	53.3	286.2	33,900							165
170	29.6	239.2	23,300*	36.8	257.3	26,600*	40.6	265.5	28,900*	46.3	275.6	33,200*	51.3	282.3	32,400							170
175	26.1	229.6	22,200*	34.1	250.2	25,300*	38.1	259.3	27,300*	44.0	270.6	31,300*	49.2	278.1	31,000							175
180	22.1	218.2	21,000*	31.1	242.3	24,000*	35.4	252.5	25,900*	41.6	265.1	29,600*	47.0	273.5	29,700	51.9	278.6	26,900				180
185	17.3	204.0	20,000*	27.8	233.2	22,700*	32.5	245.0	24,600*	39.2	259.2	28,000*	44.8	268.6	28,500	49.8	274.4	25,700				185
190	10.5	183.2	17,400*	24.1	222.8	21,600*	29.4	236.5	23,300*	36.5	252.6	26,500*	42.5	263.3	27,300	47.7	270.0	24,600				190
195				19.8	210.1	20,500*	25.9	226.8	22,100*	33.7	245.4	25,100*	40.1	257.5	26,200	45.5	265.2	23,600				195
200				14.2	193.3	19,500*	21.9	215.3	21,000*	30.7	237.4	23,800*	37.5	251.2	25,100	43.2	260.0	22,600				200
205				2.9	158.1	16,200*	17.0	200.8	20,000*	27.4	228.2	22,600*	34.8	244.2	24,100	40.8	254.4	21,700	45.9	260.3	19,300	205
210							10.0	179.3	19,000*	23.7	217.5	21,500*	31.8	236.5	23,200	38.2	248.2	20,800	43.6	255.2	18,500	210
215										19.2	204.5	20,400*	28.6	227.8	22,200	35.6	241.4	19,900	41.2	249.6	17,700	215
220										13.4	187.0	19,400*	25.1	217.7	21,400	32.7	233.9	19,100	38.7	243.6	17,000	220
225													20.9	205.7	20,500	29.6	225.5	18,400	36.1	236.9	16,200	225
230													15.7	190.3	19,700	26.1	215.9	17,600	33.3	229.6	15,600	230
235													7.6	165.1	18,800*	22.2	204.5	16,900	30.2	221.4	14,900	235
240																17.4	190.3	16,200	26.8	212.0	14,300	240
245																10.6	169.6	15,500	23.0	201.0	13,700	245
250																			18.4	187.5	13,100	250
255																			12.2	168.7	12,500	255

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
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THE SCOPE OF ANSI B30.5

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

140 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	335.6	67,800*																			60
65	74.4	334.2	66,600*																			65
70	72.9	332.7	65,200*																			70
75	71.3	331.1	63,600*																			75
80	69.7	329.3	62,000*																			80
85	68.1	327.3	60,300*																			85
90	66.4	325.2	58,100*	70.4	329.1	63,700*																90
95	64.8	322.9	55,800*	68.8	327.2	61,700*																95
100	63.1	320.4	53,500*	67.2	325.1	59,500*																100
105	61.4	317.7	50,100*	65.5	322.9	57,400*	68.0	324.9	59,900*													105
110	59.6	314.8	46,700*	63.9	320.5	55,100*	66.3	322.8	57,900*													110
115	57.8	311.7	43,600*	62.2	317.9	51,900*	64.7	320.5	55,900*													115
120	56.0	308.4	40,800*	60.4	315.1	48,300*	63.0	318.0	53,700*													120
125	54.2	304.9	38,300*	58.7	312.1	45,100*	61.3	315.3	50,000*													125
130	52.3	301.1	36,000*	56.9	308.9	42,100*	59.5	312.4	46,600*													130
135	50.4	297.0	33,900*	55.1	305.5	39,500*	57.7	309.3	43,500*	62.0	313.6	49,000										135
140	48.4	292.7	31,900*	53.2	301.8	37,100*	55.9	306.0	40,700*	60.3	310.8	46,600										140
145	46.3	288.0	30,100*	51.3	297.9	34,900*	54.1	302.4	38,200*	58.5	307.8	44,300										145
150	44.2	283.0	28,400*	49.3	293.7	32,800*	52.2	298.6	35,900*	56.7	304.6	41,900*										150
155	41.9	277.6	26,900*	47.3	289.2	31,000*	50.3	294.6	33,800*	54.9	301.1	39,200*										155
160	39.6	271.7	25,500*	45.2	284.3	29,200*	48.2	290.2	31,800*	53.0	297.4	36,900*	57.3	301.9	35,000							160
165	37.2	265.3	24,100*	43.0	279.1	27,600*	46.2	285.5	30,000*	51.1	293.5	34,700*	55.5	298.6	33,400							165
170	34.6	258.3	22,900*	40.7	273.4	26,100*	44.0	280.4	28,400*	49.1	289.2	32,700*	53.7	295.0	31,900							170
175	31.8	250.5	21,700*	38.3	267.3	24,800*	41.8	275.0	26,800*	47.1	284.7	30,800*	51.8	291.1	30,500							175
180	28.7	241.8	20,600*	35.8	260.6	23,500*	39.5	269.1	25,400*	44.9	279.8	29,100*	49.8	287.0	29,200							180
185	25.4	231.9	19,500*	33.1	253.2	22,200*	37.0	262.7	24,100*	42.8	274.5	27,500*	47.8	282.5	28,000	52.3	287.4	25,200				185
190	21.5	220.1	18,500*	30.2	245.0	21,100*	34.4	255.6	22,800*	40.5	268.8	26,000*	45.7	277.8	26,800	50.4	283.3	24,100				190
195	16.9	205.4	17,500*	27.0	235.6	20,000*	31.6	247.8	21,600*	38.1	262.6	24,600*	43.6	272.6	25,700	48.4	279.0	23,100				195
200	10.2	184.1	15,200*	23.4	224.8	19,000*	28.6	239.0	20,500*	35.5	255.8	23,300*	41.3	267.1	24,600	46.3	274.3	22,100				200
205				19.2	211.8	18,000*	25.2	229.0	19,500*	32.8	248.4	22,100*	38.9	261.1	23,600	44.2	269.3	21,200				205
210				13.8	194.5	17,100*	21.3	217.1	18,500*	29.9	240.0	21,000*	36.5	254.5	22,700	41.9	263.8	20,300	46.7	269.4	17,900	210
215				2.8	158.4	14,200*	16.6	202.2	17,600*	26.6	230.6	19,900*	33.8	247.3	21,800	39.6	258.0	19,400	44.6	264.4	17,200	215
220							9.7	180.1	16,700*	23.0	219.6	18,900*	31.0	239.3	20,900	37.2	251.6	18,600	42.4	259.1	16,400	220
225										18.7	206.2	18,000*	27.9	230.3	20,100	34.6	244.6	17,900	40.1	253.3	15,700	225
230										13.0	188.1	17,000*	24.4	219.9	19,300*	31.8	236.8	17,100	37.7	247.0	15,000	230
235													20.3	207.5	18,300*	28.8	228.1	16,400	35.1	240.1	14,400	235
240													15.3	191.6	17,400*	25.4	218.2	15,800	32.3	232.5	13,800	240
245													7.4	165.8	16,500*	21.6	206.4	15,100	29.4	224.0	13,200	245
250																16.9	191.8	14,500	26.1	214.3	12,600	250
255																10.3	170.5	13,800	22.3	203.0	12,000	255
260																			17.9	189.1	11,500	260
265																			11.8	169.7	11,000	265

MANITOWOC CRANES, INC.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

140 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	344.6	61,100*																			65
70	73.8	343.2	59,900*																			70
75	72.3	341.6	58,700*																			75
80	70.7	339.9	57,300*																			80
85	69.2	338.1	55,900*																			85
90	67.7	336.1	53,800*																			90
95	66.1	333.9	51,500*	69.9	337.9	57,000*																95
100	64.5	331.5	49,300*	68.4	335.9	55,000*																100
105	62.9	329.0	47,000*	66.8	333.8	52,900*																105
110	61.3	326.4	44,800*	65.3	331.6	50,700*	67.6	333.7	53,300*													110
115	59.6	323.5	42,700*	63.7	329.2	48,500*	66.0	331.5	51,400*													115
120	58.0	320.4	40,200*	62.1	326.6	46,300*	64.4	329.2	49,300*													120
125	56.2	317.1	37,700*	60.4	323.8	44,200*	62.8	326.6	47,200*													125
130	54.5	313.6	35,400*	58.8	320.8	41,500*	61.2	323.9	45,100*													130
135	52.7	309.9	33,300*	57.1	317.6	38,900*	59.5	321.0	42,900*													135
140	50.9	305.9	31,400*	55.3	314.2	36,500*	57.9	318.0	40,200*	61.9	322.3	45,200*										140
145	49.0	301.6	29,600*	53.6	310.6	34,300*	56.1	314.7	37,600*	60.2	319.5	43,400*										145
150	47.1	297.1	27,900*	51.7	306.7	32,300*	54.4	311.2	35,300*	58.6	316.5	41,300*										150
155	45.1	292.2	26,300*	49.9	302.6	30,400*	52.6	307.4	33,200*	56.9	313.3	38,700*										155
160	43.0	287.0	24,900*	48.0	298.2	28,700*	50.8	303.4	31,300*	55.1	309.9	36,300*										160
165	40.8	281.3	23,600*	46.0	293.5	27,100*	48.9	299.1	29,500*	53.4	306.2	34,100*	57.5	310.6	32,800							165
170	38.6	275.2	22,300*	44.0	288.4	25,600*	46.9	294.6	27,800*	51.5	302.3	32,100*	55.8	307.3	31,300							170
175	36.2	268.6	21,100*	41.8	282.9	24,200*	44.9	289.7	26,300*	49.7	298.2	30,200*	54.0	303.7	29,900							175
180	33.7	261.3	20,000*	39.6	277.1	22,900*	42.9	284.4	24,900*	47.8	293.7	28,500*	52.2	299.9	28,600							180
185	30.9	253.3	19,000*	37.3	270.7	21,700*	40.7	278.7	23,500*	45.8	288.9	26,900*	50.4	295.8	27,400							185
190	28.0	244.3	18,000*	34.9	263.7	20,500*	38.4	272.6	22,300*	43.7	283.8	25,500*	48.5	291.5	26,200	52.7	296.2	23,500				190
195	24.7	234.0	17,000*	32.2	256.1	19,500*	36.0	265.9	21,100*	41.6	278.3	24,100*	46.5	286.9	25,100	50.9	292.2	22,400				195
200	21.0	222.0	16,200*	29.4	247.6	18,500*	33.5	258.6	20,000*	39.4	272.4	22,800*	44.5	281.9	24,100	49.0	287.9	21,500				200
205	16.4	206.9	15,300*	26.3	238.0	17,500*	30.8	250.5	18,900*	37.1	266.0	21,600*	42.4	276.5	23,100	47.1	283.3	20,500				205
210	10.0	184.9	13,200*	22.8	226.9	16,600*	27.8	241.5	18,000*	34.6	259.0	20,400*	40.2	270.8	22,100	45.1	278.5	19,700				210
215				18.7	213.4	15,700*	24.5	231.2	17,000*	31.9	251.2	19,400*	37.9	264.5	21,200	43.0	273.2	18,800	47.4	278.4	16,500	215
220				13.4	195.6	14,900*	20.7	218.9	16,100*	29.1	242.6	18,400*	35.5	257.7	20,400	40.8	267.6	18,000	45.5	273.6	15,800	220
225				2.7	158.6	12,200*	16.1	203.6	15,300*	26.0	232.9	17,400*	32.9	250.3	19,600	38.6	261.5	17,300	43.4	268.4	15,100	225
230							9.5	180.9	14,500*	22.4	221.5	16,500*	30.1	242.0	18,700*	36.2	254.9	16,600	41.2	262.9	14,400	230
235										18.2	207.7	15,700*	27.1	232.7	17,800*	33.7	247.6	15,900	39.0	256.9	13,800	235
240										12.7	189.2	14,800*	23.7	222.0	16,900*	31.0	239.6	15,200	36.7	250.3	13,200	240
245													19.8	209.2	16,000*	28.0	230.6	14,600	34.2	243.2	12,600	245
250													14.9	192.9	15,100*	24.7	220.3	13,900	31.5	235.3	12,000	250
255													7.2	166.4	14,300*	21.0	208.3	13,400	28.6	226.6	11,500	255
260																16.5	193.2	12,800	25.4	216.6	10,900	260
265																10.0	171.3	12,200	21.8	204.9	10,400	265
270																			17.4	190.6	9,900	270
275																			11.5	170.7	9,400	275

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

150 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	64.0	223.9	137,700*b																			45
50	59.3	221.1	129,700*b																			50
55	54.3	217.7	122,400*b	66.9	224.3	139,300*b																55
60	49.0	213.6	110,300*	62.4	221.8	131,600*b																60
65	43.3	208.6	98,500*	57.6	218.8	124,500*b	65.0	222.0	133,900*b													65
70	36.8	202.4	88,800*	52.5	215.2	118,000*b	60.4	219.3	126,700*b													70
75	29.0	194.3	80,700*	47.1	210.8	105,900*	55.5	216.1	120,100*b													75
80	18.3	182.3	73,900*	41.1	205.4	94,900*	50.3	212.1	113,700*													80
85				34.2	198.7	86,100*	44.6	207.4	101,300*	58.4	215.1	98,700b										85
90				25.7	189.6	78,500*	38.3	201.5	91,200*	53.4	211.6	91,600b										90
95				12.5	174.3	71,900*	30.9	193.9	82,700*	48.0	207.3	85,300										95
100							21.2	183.2	75,600*	42.1	202.1	79,800	56.0	209.4	74,500b							100
105										35.4	195.7	74,800	50.9	205.5	69,900							105
110										27.3	187.1	70,300	45.3	200.9	65,700							110
115										15.5	173.6	66,200	39.1	195.2	62,000							115
120													31.8	187.8	58,600	47.8	197.9	54,500				120
125													22.5	177.6	55,400	41.9	192.7	51,600				125
130																35.2	186.2	49,000				130
135																27.0	177.5	46,500	44.0	188.4	43,100	135
140																15.0	163.7	44,200	37.6	182.4	41,000	140
145																			30.1	174.6	39,100	145
150																			20.0	163.4	37,200	150

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

150 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	234.9	132,200*b																			45
50	63.5	232.6	124,700*b																			50
55	59.4	229.7	118,000*b	70.0	235.1	133,600*b																55
60	55.1	226.4	111,600*	66.1	233.0	126,600*b																60
65	50.5	222.5	99,600*	62.1	230.5	120,000*b																65
70	45.6	217.8	89,900*	57.9	227.5	114,000*b	64.4	230.7	123,000*b													70
75	40.3	212.3	81,700*	53.5	223.9	107,100*	60.3	228.0	116,900*b													75
80	34.3	205.5	74,700*	48.8	219.8	95,900*	56.1	224.8	111,000*													80
85	27.0	196.7	68,700*	43.8	214.8	86,900*	51.6	221.0	102,400*	62.7	226.7	98,100b										85
90	17.1	183.8	63,500*	38.3	208.9	79,100*	46.8	216.5	92,000*	58.6	223.8	91,000b										90
95				31.9	201.5	72,500*	41.5	211.2	83,500*	54.2	220.3	84,700										95
100				24.0	191.7	66,800*	35.7	204.7	76,200*	49.6	216.3	79,200										100
105				11.6	175.2	61,800*	28.8	196.5	70,000*	44.7	211.5	74,300	56.5	218.1	69,200							105
110							19.7	184.9	64,600*	39.2	205.7	69,900	52.1	214.4	65,100							110
115										33.0	198.6	65,900	47.3	210.0	61,400							115
120										25.4	189.3	62,300	42.2	204.8	58,000							120
125										14.4	174.8	58,900	36.4	198.5	55,000	49.5	206.8	51,000				125
130													29.6	190.5	52,100	44.5	202.0	48,400				130
135													20.9	179.4	49,500	39.0	196.3	46,000				135
140																32.8	189.1	43,700	46.3	197.6	40,300	140
145																25.2	179.7	41,600	41.0	192.1	38,400	145
150																14.0	164.9	39,600	35.1	185.5	36,700	150
155																			28.0	177.1	35,000	155
160																			18.6	165.0	33,400	160

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFT CRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

150 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	70.1	245.7	127,900*b																			45
50	66.7	243.7	121,000*b																			50
55	63.1	241.2	114,600*b																			55
60	59.5	238.4	108,800*	68.9	243.9	122,800*b																60
65	55.6	235.1	99,900*	65.4	241.7	116,700*b																65
70	51.7	231.3	90,000*	61.8	239.1	111,000*	67.4	241.8	119,300*b													70
75	47.4	226.9	81,700*	58.1	236.1	105,700*	63.9	239.4	113,600*b													75
80	42.9	221.8	74,700*	54.3	232.7	96,200*	60.3	236.7	108,200*													80
85	37.9	215.8	68,800*	50.2	228.7	86,900*	56.5	233.5	102,700*													85
90	32.2	208.4	63,600*	45.8	224.1	79,100*	52.6	229.8	92,300*	62.4	235.3	90,400										90
95	25.4	199.0	59,000*	41.1	218.6	72,700*	48.4	225.6	83,700*	58.7	232.4	84,200										95
100	16.0	185.2	54,900*	35.9	212.2	66,900*	43.9	220.6	76,400*	54.9	229.0	78,700										100
105				30.0	204.2	61,900*	39.0	214.8	70,200*	50.9	225.2	73,900										105
110				22.5	193.7	57,500*	33.5	207.8	64,700*	46.6	220.6	69,500	56.9	226.8	64,600							110
115				10.9	176.1	53,600*	27.0	198.9	60,000*	41.9	215.4	65,500	53.0	223.2	60,900							115
120							18.5	186.5	55,800*	36.8	209.1	62,000	48.9	219.0	57,600							120
125										31.0	201.4	58,700	44.4	214.1	54,500							125
130										23.9	191.4	55,700	39.6	208.4	51,700	50.7	215.7	47,800				130
135										13.5	175.9	52,800	34.2	201.6	49,200	46.4	211.2	45,500				135
140													27.9	193.0	46,800	41.8	205.9	43,300				140
145													19.7	181.2	44,600	36.7	199.6	41,200	48.0	206.6	37,900	145
150																30.8	191.9	39,300	43.5	201.6	36,100	150
155																23.7	181.8	37,500	38.5	195.7	34,500	155
160																13.1	166.0	35,800	33.0	188.5	33,000	160
165																			26.4	179.4	31,500	165
170																			17.5	166.5	30,100	170

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFT CRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

150 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
40	75.2	257.9	130,400*																			40
45	72.2	256.4	123,500*																			45
50	69.1	254.5	117,100*																			50
55	66.0	252.4	111,200*																			55
60	62.8	249.9	105,700*																			60
65	59.5	247.1	99,900*	68.0	252.6	113,200*b																65
70	56.1	243.8	89,900*	64.9	250.4	107,900*																70
75	52.5	240.1	81,600*	61.7	247.8	102,900*	66.7	250.5	109,700*													75
80	48.8	235.9	74,600*	58.3	244.8	96,200*	63.5	248.1	104,900*													80
85	44.8	231.1	68,700*	54.9	241.4	86,900*	60.2	245.3	100,300*													85
90	40.5	225.5	63,400*	51.2	237.6	79,000*	56.9	242.2	92,300*													90
95	35.8	219.0	58,800*	47.4	233.1	72,500*	53.3	238.6	83,600*	62.2	244.0	83,600										95
100	30.5	211.1	54,700*	43.3	228.1	66,800*	49.6	234.5	76,300*	58.9	241.1	78,100										100
105	24.0	201.1	51,100*	38.9	222.2	61,800*	45.7	229.8	70,000*	55.4	237.8	73,300										105
110	15.2	186.5	47,800*	34.0	215.2	57,300*	41.5	224.4	64,600*	51.8	234.0	68,900										110
115				28.3	206.7	53,400*	36.9	218.1	59,800*	48.1	229.7	65,000	57.3	235.5	60,200							115
120				21.3	195.6	49,900*	31.7	210.6	55,700*	44.0	224.7	61,400	53.7	231.9	56,900							120
125				10.3	177.0	46,800*	25.6	201.2	51,900*	39.7	219.0	58,200	50.1	227.9	53,900							125
130							17.5	188.0	48,600*	34.8	212.2	55,200	46.2	223.3	51,100							130
135										29.3	204.0	52,500	42.0	218.0	48,600	51.7	224.6	44,800				135
140										22.6	193.4	49,900	37.4	211.8	46,300	47.9	220.2	42,600				140
145										12.8	177.0	47,300*	32.3	204.5	44,100	43.9	215.3	40,600				145
150													26.4	195.3	42,000	39.5	209.5	38,700				150
155													18.6	182.8	40,100	34.7	202.7	37,000	45.3	210.8	33,800	155
160																29.2	194.5	35,300	41.1	205.4	32,300	160
165																22.4	183.8	33,800	36.4	199.0	30,900	165
170																12.4	167.1	32,300	31.2	191.3	29,600	170
175																			24.9	181.6	28,300	175
180																			16.6	167.9	27,100	180

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

150 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	73.8	266.8	118,000*b																			45
50	71.1	265.2	112,200*b																			50
55	68.3	263.3	106,800*																			55
60	65.5	261.1	101,700*																			60
65	62.5	258.6	97,000*	70.1	263.4	108,600*b																65
70	59.6	255.7	92,700*	67.3	261.4	103,800*																70
75	56.5	252.5	84,100*	64.4	259.1	99,200*																75
80	53.2	248.9	76,700*	61.5	256.4	95,000*	66.1	259.2	102,100*													80
85	49.9	244.8	70,600*	58.5	253.5	89,500*	63.2	256.7	97,800*													85
90	46.4	240.3	65,200*	55.3	250.1	81,400*	60.2	254.0	93,700*													90
95	42.6	235.0	60,400*	52.1	246.4	74,600*	57.2	250.9	86,100*													95
100	38.5	229.1	56,200*	48.7	242.1	68,600*	54.0	247.3	78,500*	62.0	252.7	77,500										100
105	34.1	222.1	52,500*	45.1	237.3	63,400*	50.6	243.4	72,000*	59.0	249.8	72,700										105
110	29.0	213.7	49,100*	41.2	231.9	58,900*	47.2	238.9	66,300*	55.9	246.5	68,400										110
115	22.9	203.1	46,100*	37.0	225.6	54,900*	43.4	233.9	61,400*	52.6	242.8	64,400										115
120	14.4	187.7	42,000*	32.3	218.2	51,300*	39.5	228.1	57,100*	49.2	238.6	60,900	57.5	244.1	56,300							120
125				27.0	209.1	48,000*	35.1	221.3	53,300*	45.7	233.9	57,700	54.3	240.7	53,300							125
130				20.3	197.3	45,100*	30.2	213.3	49,900*	41.8	228.6	54,700	51.0	236.8	50,600							130
135				9.8	177.8	41,100*	24.3	203.3	46,800*	37.7	222.4	52,000	47.6	232.4	48,000							135
140							16.7	189.5	44,000*	33.1	215.2	49,500	43.9	227.4	45,700	52.5	233.4	42,000				140
145										27.9	206.5	47,200	39.9	221.7	43,600	49.1	229.2	40,000				145
150										21.5	195.3	45,000	35.6	215.1	41,600	45.6	224.5	38,100				150
155										12.2	178.1	42,900*	30.8	207.2	39,700	41.7	219.1	36,400				155
160													25.1	197.5	37,900	37.6	212.9	34,800	46.8	219.9	31,700	160
165													17.7	184.3	36,300	33.0	205.7	33,300	43.1	214.8	30,300	165
170																27.8	196.9	31,800	39.1	208.9	29,000	170
175																21.3	185.6	30,500	34.7	202.1	27,800	175
180																11.8	168.0	29,200	29.7	193.9	26,600	180
185																			23.7	183.7	25,500	185
190																			15.8	169.2	24,400	190

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

150 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.2	277.3	113,600*																			45
50	72.7	275.8	108,300*																			50
55	70.2	274.0	103,300*																			55
60	67.6	272.0	98,600*																			60
65	65.0	269.8	94,200*																			65
70	62.3	267.2	90,100*	69.3	272.2	100,500*																70
75	59.6	264.4	83,700*	66.7	270.1	96,300*																75
80	56.8	261.2	76,400*	64.1	267.8	92,300*																80
85	53.8	257.7	70,200*	61.4	265.1	88,600*	65.6	267.9	94,800*													85
90	50.8	253.7	64,800*	58.6	262.1	81,000*	62.9	265.4	91,000*													90
95	47.6	249.3	60,000*	55.7	258.8	74,100*	60.2	262.6	85,700*													95
100	44.3	244.4	55,800*	52.8	255.2	68,100*	57.4	259.5	78,100*													100
105	40.7	238.8	52,000*	49.7	251.1	63,000*	54.5	256.1	71,600*	61.8	261.3	72,100										105
110	36.8	232.4	48,700*	46.4	246.5	58,500*	51.5	252.2	66,000*	59.1	258.4	67,700										110
115	32.5	225.0	45,700*	43.0	241.3	54,400*	48.3	247.9	61,000*	56.2	255.2	63,800										115
120	27.7	216.2	42,900*	39.3	235.5	50,800*	45.0	243.1	56,700*	53.3	251.6	60,300										120
125	21.9	205.0	40,400*	35.4	228.8	47,600*	41.5	237.7	52,900*	50.2	247.5	57,100	57.7	252.8	52,600							125
130	13.8	188.9	36,900*	30.9	220.9	44,700*	37.7	231.5	49,400*	47.0	243.0	54,200	54.8	249.4	49,900							130
135				25.8	211.4	42,100*	33.5	224.3	46,400*	43.6	238.0	51,500	51.8	245.6	47,400							135
140				19.4	199.0	39,600*	28.8	215.9	43,600*	40.0	232.2	49,000	48.7	241.3	45,100							140
145				9.3	178.6	36,300*	23.3	205.4	41,000*	36.0	225.7	46,700	45.4	236.6	43,000							145
150							15.9	190.8	38,700*	31.7	218.1	44,500	41.9	231.2	41,000	50.1	238.1	37,500				150
155										26.7	208.9	42,500*	38.1	225.2	39,100	46.9	233.6	35,800				155
160										20.6	197.1	40,100*	34.0	218.1	37,400	43.5	228.5	34,200				160
165										11.6	179.0	37,800*	29.4	209.8	35,800	39.9	222.8	32,700	48.0	229.0	29,600	165
170													24.0	199.6	34,200	35.9	216.2	31,300	44.7	224.1	28,300	170
175													16.9	185.8	32,800	31.5	208.5	29,900	41.1	218.6	27,100	175
180																26.5	199.3	28,700	37.3	212.3	26,000	180
185																20.4	187.4	27,500	33.1	205.1	24,900	185
190																11.2	169.0	26,300	28.4	196.5	23,800	190
195																			22.7	185.7	22,800	195
200																			15.0	170.5	21,900	200

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

150 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.1	286.2	104,400*																			50
55	71.8	284.6	100,000*																			55
60	69.4	282.8	95,600*																			60
65	67.1	280.8	91,500*																			65
70	64.6	278.5	87,700*	71.0	282.9	97,300*																70
75	62.2	275.9	83,700*	68.6	281.0	93,500*																75
80	59.6	273.1	76,300*	66.2	278.8	89,800*																80
85	57.0	269.9	70,100*	63.8	276.4	86,300*	67.6	278.8	91,800*													85
90	54.3	266.4	64,600*	61.3	273.8	81,000*	65.2	276.6	88,300*													90
95	51.5	262.6	59,900*	58.7	270.8	74,000*	62.7	274.1	84,900*													95
100	48.7	258.3	55,600*	56.1	267.5	68,000*	60.2	271.3	78,000*													100
105	45.6	253.6	51,900*	53.4	263.9	62,900*	57.6	268.2	71,500*													105
110	42.4	248.3	48,500*	50.5	259.9	58,300*	54.9	264.8	65,800*	61.7	270.0	67,400										110
115	39.0	242.3	45,500*	47.6	255.5	54,300*	52.2	261.0	60,900*	59.1	267.1	63,500										115
120	35.3	235.6	42,800*	44.5	250.6	50,700*	49.3	256.9	56,600*	56.5	263.9	60,000										120
125	31.2	227.8	40,300*	41.2	245.1	47,500*	46.3	252.2	52,700*	53.8	260.3	56,800										125
130	26.6	218.5	38,000*	37.7	238.9	44,600*	43.1	247.1	49,300*	51.0	256.4	53,900	57.9	261.5	49,600							130
135	21.0	206.9	35,900*	33.9	231.8	41,900*	39.8	241.3	46,200*	48.1	252.0	51,200	55.2	258.1	47,100							135
140	13.2	190.0	32,800*	29.6	223.6	39,500*	36.1	234.8	43,400*	45.0	247.2	48,700	52.5	254.4	44,800							140
145				24.7	213.6	37,300*	32.2	227.2	40,900*	41.8	241.8	46,400	49.6	250.3	42,700							145
150				18.6	200.6	35,300*	27.7	218.3	38,600*	38.3	235.7	44,300	46.7	245.7	40,700							150
155				8.9	179.3	32,400*	22.3	207.3	36,400*	34.5	228.8	42,300	43.5	240.6	38,900	50.9	247.0	35,500				155
160							15.3	192.1	34,400*	30.4	220.8	39,900*	40.2	234.9	37,200	48.0	242.6	33,900				160
165										25.6	211.1	37,700*	36.6	228.5	35,600	44.9	237.8	32,400				165
170										19.7	198.8	35,600*	32.6	221.1	34,000	41.7	232.3	31,000				170
175										11.1	180.0	33,700*	28.2	212.4	32,600	38.2	226.3	29,700	46.0	233.3	26,800	175
180													23.0	201.6	31,300	34.4	219.3	28,500	42.8	228.1	25,700	180
185													16.2	187.2	30,000	30.3	211.2	27,300	39.4	222.2	24,600	185
190																25.4	201.5	26,200	35.8	215.6	23,600	190
195																19.5	189.1	25,100	31.8	207.9	22,600	195
200																10.8	169.9	24,000	27.2	198.9	21,700	200
205																			21.8	187.6	20,800	205
210																			14.4	171.8	19,900	210

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

150 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.3	296.6	100,400*																			50
55	73.1	295.2	96,300*																			55
60	71.0	293.5	92,400*																			60
65	68.8	291.6	88,500*																			65
70	66.6	289.5	85,000*																			70
75	64.3	287.2	81,600*	70.2	291.7	90,300*																75
80	62.0	284.6	75,900*	68.0	289.7	86,900*																80
85	59.6	281.7	69,600*	65.8	287.5	83,700*																85
90	57.2	278.6	64,100*	63.5	285.1	80,500*	67.1	287.6	85,000*													90
95	54.8	275.1	59,400*	61.2	282.4	73,600*	64.8	285.3	82,100*													95
100	52.2	271.4	55,200*	58.8	279.5	67,600*	62.5	282.8	77,600*													100
105	49.5	267.2	51,400*	56.4	276.2	62,500*	60.2	280.0	71,000*													105
110	46.8	262.6	48,100*	53.9	272.7	57,900*	57.8	276.9	65,400*													110
115	43.9	257.6	45,000*	51.3	268.8	53,800*	55.3	273.5	60,500*	61.6	278.6	62,900										115
120	40.8	252.0	42,300*	48.6	264.5	50,200*	52.8	269.8	56,100*	59.2	275.7	59,400										120
125	37.5	245.8	39,800*	45.7	259.8	47,000*	50.1	265.8	52,300*	56.8	272.6	56,200										125
130	34.0	238.7	37,600*	42.8	254.5	44,100*	47.4	261.3	48,800*	54.3	269.0	53,300										130
135	30.0	230.5	35,500*	39.6	248.7	41,400*	44.5	256.4	45,700*	51.7	265.2	50,600										135
140	25.6	220.8	33,500*	36.3	242.2	39,000*	41.5	250.9	42,900*	49.0	261.0	48,200	55.6	266.8	44,200							140
145	20.2	208.6	31,800*	32.6	234.8	36,800*	38.2	244.8	40,400*	46.2	256.3	45,900	53.1	263.2	42,100							145
150	12.7	191.1	29,100*	28.5	226.1	34,800*	34.8	237.9	38,100*	43.3	251.2	43,800	50.4	259.2	40,100							150
155				23.8	215.7	32,900*	30.9	230.0	36,000*	40.2	245.5	41,800	47.7	254.7	38,300							155
160				17.9	202.2	31,200*	26.6	220.7	34,000*	36.8	239.1	39,400*	44.8	249.9	36,600	51.6	255.8	33,200				160
165				8.6	180.0	28,700*	21.5	209.2	32,200*	33.2	231.8	37,200*	41.8	244.5	35,000	48.9	251.6	31,700				165
170							14.7	193.4	30,500*	29.2	223.4	35,200*	38.6	238.4	33,500	46.1	246.9	30,400				170
175										24.6	213.3	33,300*	35.2	231.7	32,100	43.2	241.7	29,100				175
180										19.0	200.5	31,500*	31.4	223.9	30,700	40.1	236.0	27,800	47.1	242.3	25,000	180
185										10.7	180.9	29,900*	27.1	214.8	29,500	36.8	229.6	26,700	44.2	237.4	24,000	185
190													22.1	203.6	28,300	33.1	222.3	25,600	41.2	231.8	22,900	190
195													15.6	188.5	27,100	29.1	213.8	24,600	37.9	225.7	22,000	195
200																24.5	203.7	23,600	34.4	218.7	21,100	200
205																18.8	190.8	22,600	30.6	210.7	20,200	205
210																10.4	170.8	21,600	26.2	201.2	19,400	210
215																			20.9	189.4	18,600	215
220																			13.9	173.0	17,800	220

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

150 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.3	305.6	91,000*																			55
60	72.3	304.1	88,400*																			60
65	70.3	302.3	85,500*																			65
70	68.2	300.4	82,300*																			70
75	66.1	298.2	79,000*																			75
80	64.0	295.8	75,500*	69.5	300.5	84,200*																80
85	61.9	293.2	70,200*	67.5	298.5	81,200*																85
90	59.7	290.4	64,700*	65.4	296.2	78,400*																90
95	57.4	287.3	59,900*	63.3	293.8	74,300*	66.6	296.3	79,600*													95
100	55.1	283.9	55,600*	61.1	291.1	68,200*	64.5	294.0	77,000*													100
105	52.7	280.1	51,800*	58.9	288.1	63,000*	62.4	291.4	71,700*													105
110	50.3	276.1	48,400*	56.6	284.9	58,400*	60.2	288.6	66,000*													110
115	47.7	271.7	45,400*	54.3	281.4	54,300*	57.9	285.6	61,000*													115
120	45.1	266.8	42,600*	51.9	277.6	50,600*	55.6	282.2	56,600*	61.5	287.3	58,900										120
125	42.3	261.5	40,100*	49.4	273.4	47,300*	53.3	278.6	52,700*	59.2	284.4	55,700										125
130	39.3	255.6	37,800*	46.8	268.9	44,400*	50.8	274.6	49,200*	57.0	281.2	52,800										130
135	36.2	249.0	35,700*	44.1	263.8	41,700*	48.3	270.3	46,100*	54.7	277.8	50,100										135
140	32.8	241.6	33,700*	41.3	258.3	39,300*	45.7	265.5	43,200*	52.3	274.0	47,600										140
145	29.0	233.1	31,900*	38.2	252.2	37,000*	42.9	260.3	40,700*	49.8	269.9	45,400	55.9	275.5	41,500							145
150	24.7	223.0	30,300*	35.0	245.4	35,000*	40.0	254.6	38,300*	47.2	265.4	43,300	53.5	271.9	39,500							150
155	19.5	210.3	28,400*	31.5	237.6	33,100*	36.9	248.1	36,200*	44.5	260.5	41,300	51.1	268.0	37,700							155
160	12.3	192.1	24,900*	27.5	228.6	31,400*	33.5	240.9	34,200*	41.7	255.0	39,500	48.6	263.7	36,000							160
165				23.0	217.7	29,700*	29.8	232.7	32,400*	38.7	249.0	37,400*	46.0	259.0	34,400	52.2	264.6	31,200				165
170				17.3	203.7	28,200*	25.7	223.0	30,700*	35.5	242.3	35,300*	43.2	253.9	32,900	49.7	260.5	29,800				170
175				8.3	180.7	24,700*	20.7	211.0	29,100*	32.1	234.7	33,400*	40.3	248.2	31,500	47.2	256.0	28,500				175
180							14.2	194.6	27,600*	28.2	225.9	31,700*	37.3	241.8	30,200	44.5	251.0	27,300				180
185										23.8	215.4	30,000*	33.9	234.7	29,000	41.6	245.6	26,100				185
190										18.3	202.1	28,500*	30.3	226.6	27,800	38.7	239.5	25,000	45.4	246.5	22,400	190
195										10.3	181.7	27,000*	26.2	217.1	26,700	35.4	232.8	24,000	42.6	241.3	21,400	195
200													21.4	205.5	25,600	32.0	225.2	23,000	39.7	235.5	20,500	200
205													15.1	189.8	24,600	28.1	216.3	22,100	36.6	229.0	19,700	205
210																23.6	205.8	21,200	33.2	221.7	18,900	210
215																18.1	192.3	20,400	29.5	213.3	18,100	215
220																10.0	171.6	19,500	25.2	203.4	17,300	220
225																			20.2	191.2	16,600	225
230																			13.4	174.1	15,900	230

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

150 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.3	316.0	83,400*																			55
60	73.4	314.5	81,400*																			60
65	71.6	312.9	79,100*																			65
70	69.6	311.1	76,600*																			70
75	67.7	309.1	73,900*																			75
80	65.8	306.9	71,000*	70.9	311.1	80,000*																80
85	63.8	304.5	68,100*	69.0	309.3	77,400*																85
90	61.8	301.9	64,800*	67.0	307.2	74,800*																90
95	59.7	299.0	59,900*	65.1	304.9	72,300*																95
100	57.6	295.9	55,500*	63.1	302.5	68,400*	66.2	305.0	73,400*													100
105	55.4	292.6	51,700*	61.0	299.7	63,000*	64.2	302.7	71,100*													105
110	53.2	288.9	48,300*	59.0	296.8	58,300*	62.2	300.1	66,100*													110
115	50.9	285.0	45,200*	56.8	293.6	54,200*	60.2	297.3	61,000*													115
120	48.6	280.6	42,400*	54.7	290.1	50,500*	58.1	294.2	56,500*													120
125	46.1	276.0	39,800*	52.4	286.4	47,200*	55.9	290.9	52,600*	61.4	296.0	55,100										125
130	43.5	270.9	37,500*	50.1	282.3	44,200*	53.7	287.3	49,000*	59.3	293.1	52,200										130
135	40.9	265.2	35,400*	47.7	277.9	41,500*	51.4	283.4	45,900*	57.2	289.9	49,500										135
140	38.0	259.1	33,400*	45.2	273.1	39,000*	49.1	279.2	43,000*	55.0	286.5	47,100										140
145	35.0	252.2	31,600*	42.6	267.8	36,700*	46.7	274.6	40,400*	52.8	282.8	44,800										145
150	31.7	244.5	29,900*	39.9	262.0	34,700*	44.1	269.6	38,000*	50.5	278.8	42,700	56.2	284.2	38,900							150
155	28.0	235.6	28,300*	37.0	255.6	32,800*	41.5	264.1	35,800*	48.1	274.4	40,700	54.0	280.7	37,100							155
160	23.9	225.1	26,900*	33.8	248.4	31,000*	38.7	258.1	33,800*	45.6	269.6	38,900	51.7	276.8	35,400							160
165	18.8	212.0	25,200*	30.4	240.3	29,400*	35.7	251.4	32,000*	43.0	264.4	37,100*	49.4	272.6	33,800							165
170	11.9	193.1	22,100*	26.6	230.9	27,800*	32.4	243.8	30,300*	40.3	258.7	35,000*	46.9	268.1	32,300	52.7	273.4	29,100				170
175				22.2	219.7	26,400*	28.9	235.2	28,700*	37.5	252.4	33,100*	44.4	263.1	31,000	50.4	269.4	27,800				175
180				16.7	205.1	25,100*	24.8	225.2	27,200*	34.4	245.4	31,300*	41.8	257.7	29,600	48.0	265.0	26,600				180
185				8.0	181.4	21,900*	20.0	212.8	25,900*	31.0	237.5	29,600*	39.0	251.7	28,400	45.6	260.2	25,500				185
190							13.7	195.8	24,500*	27.3	228.3	28,100*	36.0	245.1	27,300	43.0	255.0	24,400				190
195										23.0	217.4	26,700*	32.8	237.7	26,200	40.3	249.3	23,400	46.4	255.7	20,800	195
200										17.7	203.6	25,300*	29.3	229.2	25,100	37.4	242.9	22,400	43.9	250.6	19,900	200
205										10.0	182.6	24,100*	25.3	219.3	24,100	34.3	235.9	21,500	41.2	245.1	19,000	205
210													20.7	207.3	23,100	30.9	227.9	20,700	38.4	239.0	18,200	210
215													14.6	191.1	22,200	27.2	218.7	19,800	35.4	232.2	17,500	215
220																22.8	207.8	19,000	32.1	224.6	16,700	220
225																17.5	193.9	18,200	28.5	215.8	16,000	225
230																9.7	172.4	17,400	24.4	205.6	15,300	230
235																			19.5	192.9	14,700	235
240																			12.9	175.2	14,000	240

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

150 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	325.0	75,100*																			60
65	72.7	323.5	73,200*																			65
70	70.9	321.8	71,200*																			70
75	69.1	319.9	69,000*																			75
80	67.3	317.9	66,700*																			80
85	65.4	315.6	64,300*	70.3	320.0	73,900*																85
90	63.6	313.2	61,700*	68.5	318.0	72,300*																90
95	61.7	310.6	59,100*	66.6	315.9	70,100*																95
100	59.7	307.7	55,200*	64.8	313.6	67,900*	67.7	315.9	70,700*													100
105	57.7	304.6	51,400*	62.9	311.1	62,700*	65.8	313.7	68,900*													105
110	55.7	301.3	47,900*	61.0	308.4	58,000*	64.0	311.3	65,800*													110
115	53.6	297.7	44,900*	59.0	305.5	53,900*	62.1	308.7	60,700*													115
120	51.5	293.8	42,000*	57.0	302.3	50,200*	60.1	305.9	56,200*													120
125	49.3	289.6	39,500*	55.0	298.9	46,800*	58.2	302.9	52,300*													125
130	47.0	285.0	37,200*	52.9	295.2	43,900*	56.2	299.6	48,700*	61.3	304.6	51,800										130
135	44.6	280.1	35,000*	50.7	291.2	41,100*	54.1	296.1	45,600*	59.3	301.7	49,200										135
140	42.2	274.7	33,100*	48.5	286.9	38,700*	52.0	292.3	42,700*	57.3	298.6	46,700										140
145	39.6	268.9	31,300*	46.2	282.2	36,400*	49.8	288.1	40,100*	55.3	295.2	44,500										145
150	36.8	262.4	29,600*	43.8	277.1	34,300*	47.5	283.7	37,700*	53.2	291.6	42,400										150
155	33.9	255.2	28,000*	41.3	271.6	32,400*	45.2	278.8	35,500*	51.1	287.6	40,400	56.4	292.9	36,700							155
160	30.7	247.2	26,600*	38.6	265.5	30,700*	42.7	273.6	33,500*	48.9	283.3	38,600	54.3	289.4	35,100							160
165	27.2	238.0	25,200*	35.8	258.8	29,000*	40.2	267.8	31,700*	46.6	278.7	36,800*	52.2	285.6	33,500							165
170	23.1	227.1	24,000*	32.8	251.4	27,500*	37.4	261.5	30,000*	44.2	273.7	34,700*	50.0	281.5	32,000							170
175	18.2	213.6	22,400*	29.5	242.9	26,100*	34.6	254.5	28,400*	41.7	268.3	32,800*	47.8	277.1	30,600							175
180	11.5	194.1	19,600*	25.8	233.2	24,800*	31.4	246.7	26,900*	39.1	262.3	31,000*	45.5	272.3	29,300	51.0	278.2	26,300				180
185				21.5	221.6	23,500*	28.0	237.7	25,500*	36.3	255.7	29,300*	43.0	267.1	28,100	48.8	273.9	25,200				185
190				16.2	206.5	22,400*	24.1	227.3	24,300*	33.3	248.4	27,800*	40.5	261.4	27,000	46.5	269.3	24,100				190
195				7.7	182.0	19,500*	19.4	214.5	23,000*	30.0	240.2	26,400*	37.8	255.2	25,900	44.1	264.3	23,100				195
200							13.3	196.9	21,900*	26.4	230.7	25,000*	34.9	248.2	24,800	41.6	258.8	22,100	47.3	264.7	19,500	200
205										22.3	219.4	23,800*	31.8	240.5	23,800	39.0	252.8	21,200	45.0	259.8	18,700	205
210										17.2	205.1	22,600*	28.4	231.7	22,900	36.2	246.2	20,400	42.5	254.5	17,900	210
215										9.7	183.4	21,500*	24.5	221.5	22,000	33.2	238.9	19,500	39.9	248.7	17,200	215
220													20.0	209.0	21,100	29.9	230.6	18,800	37.2	242.3	16,400	220
225													14.1	192.3	20,300	26.3	221.1	18,000	34.3	235.3	15,700	225
230																22.1	209.7	17,300	31.1	227.4	15,100	230
235																17.0	195.3	16,600	27.6	218.3	14,400	235
240																9.4	173.2	15,800	23.7	207.7	13,800	240
245																			18.9	194.6	13,200	245
250																			12.5	176.3	12,600	250

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

150 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	335.4	69,000*																			60
65	73.7	333.9	67,500*																			65
70	72.0	332.3	65,900*																			70
75	70.3	330.6	64,200*																			75
80	68.6	328.7	62,300*																			80
85	66.9	326.6	60,300*																			85
90	65.1	324.3	58,200*	69.7	328.8	67,400*																90
95	63.4	321.9	56,000*	68.0	326.8	65,900*																95
100	61.6	319.2	53,800*	66.3	324.7	63,600*																100
105	59.7	316.4	50,800*	64.5	322.3	61,400*	67.3	324.7	64,300*													105
110	57.9	313.3	47,400*	62.7	319.8	57,500*	65.5	322.4	62,200*													110
115	56.0	310.0	44,300*	60.9	317.1	53,300*	63.8	320.0	60,200*													115
120	54.0	306.4	41,500*	59.1	314.1	49,600*	62.0	317.4	55,700*													120
125	52.0	302.6	39,000*	57.2	311.0	46,300*	60.1	314.6	51,700*													125
130	49.9	298.5	36,600*	55.3	307.6	43,300*	58.3	311.6	48,200*	63.0	316.0	51,200										130
135	47.8	294.0	34,500*	53.3	303.9	40,600*	56.4	308.3	45,000*	61.2	313.3	48,600										135
140	45.6	289.3	32,500*	51.3	300.0	38,100*	54.4	304.8	42,100*	59.4	310.4	46,100										140
145	43.3	284.1	30,700*	49.2	295.8	35,900*	52.4	301.0	39,500*	57.5	307.3	43,900										145
150	40.9	278.5	29,100*	47.0	291.2	33,800*	50.4	297.0	37,200*	55.6	303.9	41,800										150
155	38.4	272.4	27,500*	44.8	286.3	31,900*	48.3	292.6	35,000*	53.6	300.3	39,900										155
160	35.7	265.6	26,000*	42.5	281.0	30,100*	46.1	287.9	33,000*	51.6	296.4	38,100	56.6	301.6	34,400							160
165	32.9	258.2	24,700*	40.0	275.2	28,500*	43.8	282.9	31,100*	49.5	292.3	36,300*	54.7	298.1	32,900							165
170	29.8	249.9	23,400*	37.5	268.9	27,000*	41.5	277.4	29,400*	47.4	287.8	34,200*	52.7	294.4	31,400							170
175	26.4	240.3	22,200*	34.8	261.9	25,600*	39.0	271.4	27,900*	45.2	282.9	32,200*	50.6	290.4	30,000							175
180	22.4	229.1	21,100*	31.8	254.2	24,300*	36.3	264.8	26,400*	42.9	277.7	30,500*	48.5	286.1	28,700							180
185	17.7	215.1	19,700*	28.6	245.5	23,000*	33.5	257.5	25,000*	40.5	272.0	28,800*	46.4	281.4	27,500	51.5	287.0	24,500				185
190	11.1	195.1	17,200*	25.0	235.4	21,900*	30.5	249.4	23,700*	37.9	265.7	27,300*	44.1	276.4	26,400	49.5	282.8	23,500				190
195				20.9	223.4	20,800*	27.2	240.1	22,500*	35.2	258.9	25,800*	41.7	270.9	25,300	47.3	278.3	22,500				195
200				15.7	207.9	19,700*	23.4	229.4	21,400*	32.3	251.3	24,500*	39.3	265.0	24,300	45.1	273.5	21,500				200
205				7.5	182.7	17,100*	18.9	216.1	20,300*	29.2	242.8	23,200*	36.7	258.5	23,300	42.8	268.2	20,600				205
210							12.9	198.1	19,300*	25.7	232.9	22,100*	33.9	251.3	22,400	40.4	262.5	19,800	45.9	269.0	17,300	210
215										21.6	221.3	21,000*	30.9	243.3	21,500	37.8	256.3	18,900	43.6	263.8	16,500	215
220										16.7	206.6	19,900*	27.6	234.2	20,600	35.1	249.4	18,200	41.2	258.3	15,800	220
225										9.4	184.2	18,900*	23.8	223.6	19,800	32.2	241.8	17,400	38.7	252.2	15,100	225
230													19.4	210.7	19,000	29.1	233.2	16,700	36.1	245.6	14,500	230
235													13.7	193.5	18,200	25.6	223.3	16,000	33.3	238.3	13,800	235
240																21.5	211.6	15,400	30.2	230.1	13,200	240
245																16.5	196.8	14,700	26.8	220.7	12,600	245
250																9.1	174.0	14,100	23.0	209.7	12,100	250
255																			18.4	196.2	11,500	255
260																			12.2	177.3	11,000	260

MANITOWOC CRANES, INC.

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M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

150 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	74.6	344.3	62,300*																			65
70	73.0	342.9	61,000*																			70
75	71.4	341.2	59,500*																			75
80	69.8	339.4	58,000*																			80
85	68.2	337.4	56,400*																			85
90	66.5	335.3	54,700*	70.8	339.4	62,900*																90
95	64.9	333.0	52,800*	69.2	337.6	61,100*																95
100	63.2	330.5	51,000*	67.6	335.6	59,200*																100
105	61.5	327.9	49,100*	65.9	333.4	57,200*																105
110	59.7	325.0	46,900*	64.3	331.0	55,100*	66.9	333.4	57,800*													110
115	58.0	321.9	43,800*	62.6	328.5	52,800*	65.2	331.1	55,900*													115
120	56.2	318.7	41,000*	60.9	325.7	49,100*	63.6	328.7	54,000*													120
125	54.3	315.1	38,400*	59.1	322.8	45,800*	61.9	326.1	51,200*													125
130	52.4	311.4	36,100*	57.3	319.7	42,800*	60.1	323.3	47,700*													130
135	50.5	307.3	34,000*	55.5	316.3	40,100*	58.4	320.2	44,500*	62.9	324.7	48,100										135
140	48.5	303.0	32,000*	53.7	312.7	37,600*	56.6	317.0	41,600*	61.2	322.0	45,600										140
145	46.4	298.4	30,200*	51.8	308.8	35,400*	54.7	313.5	39,000*	59.4	319.1	43,400										145
150	44.3	293.4	28,500*	49.8	304.7	33,300*	52.9	309.8	36,700*	57.6	315.9	41,300										150
155	42.1	288.0	27,000*	47.8	300.2	31,400*	50.9	305.8	34,500*	55.8	312.6	39,400										155
160	39.8	282.1	25,500*	45.7	295.5	29,600*	49.0	301.6	32,500*	54.0	309.1	37,600										160
165	37.3	275.8	24,200*	43.5	290.3	28,000*	46.9	297.0	30,600*	52.1	305.2	35,800*	56.8	310.3	32,300							165
170	34.7	268.8	22,900*	41.3	284.8	26,500*	44.8	292.1	28,900*	50.1	301.1	33,700*	54.9	306.9	30,900							170
175	32.0	261.1	21,700*	38.9	278.8	25,100*	42.6	286.8	27,400*	48.1	296.8	31,700*	53.1	303.2	29,500							175
180	29.0	252.4	20,600*	36.4	272.2	23,800*	40.3	281.0	25,900*	46.0	292.0	29,900*	51.2	299.2	28,200							180
185	25.6	242.6	19,600*	33.8	265.0	22,500*	37.9	274.8	24,500*	43.9	287.0	28,300*	49.2	295.0	27,000							185
190	21.8	231.0	18,600*	30.9	257.0	21,400*	35.3	268.0	23,200*	41.7	281.5	26,800*	47.1	290.5	25,900	52.0	295.8	22,900				190
195	17.2	216.6	17,300*	27.8	248.0	20,300*	32.6	260.4	22,000*	39.3	275.6	25,300*	45.0	285.6	24,800	50.1	291.7	21,900	46.7	278.0	16,000	215
200	10.8	196.0	15,000*	24.4	237.6	19,200*	29.7	252.0	20,900*	36.9	269.1	24,000*	42.8	280.3	23,800	48.1	287.3	21,000	44.6	273.1	15,300	220
205				20.3	225.2	18,300*	26.4	242.5	19,800*	34.2	262.0	22,700*	40.6	274.6	22,800	46.0	282.6	20,100	42.4	267.7	14,600	225
210				15.3	209.2	17,300*	22.7	231.4	18,800*	31.4	254.1	21,600*	38.2	268.5	21,900	43.8	277.5	19,200	40.1	262.0	13,900	230
215				7.3	183.3	14,900*	18.3	217.7	17,900*	28.4	245.3	20,500*	35.6	261.7	21,000	41.6	272.0	18,400	37.7	255.7	13,300	235
220							12.5	199.1	17,000*	25.0	235.1	19,400*	32.9	254.3	20,100	39.3	266.1	17,700	35.1	248.8	12,700	240
225										21.0	223.1	18,400*	30.0	246.0	19,300	36.8	259.6	16,900	32.3	241.2	12,100	245
230										16.2	208.0	17,500*	26.8	236.6	18,600	34.2	252.5	16,200	29.4	232.7	11,600	250
235										9.1	185.0	16,600*	23.2	225.6	17,800	31.3	244.6	15,500	26.1	223.0	11,100	255
240													18.9	212.4	17,100	28.3	235.7	14,900	22.3	211.7	10,500	260
245													13.3	194.6	16,400	24.9	225.5	14,300	17.9	197.7	10,000	265
250																20.9	213.5	13,600	11.8	178.4	9,500	270
255																16.1	198.2	13,100				
260																8.8	174.7	12,500				
265																						
270																						

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

150 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	354.7	57,000*																			65
70	73.9	353.3	56,000*																			70
75	72.4	351.8	54,800*																			75
80	70.8	350.1	53,600*																			80
85	69.3	348.2	52,300*																			85
90	67.8	346.2	50,900*																			90
95	66.2	344.0	49,400*	70.3	348.3	55,100*																95
100	64.6	341.7	47,600*	68.8	346.4	53,200*																100
105	63.0	339.2	45,400*	67.2	344.3	51,300*																105
110	61.4	336.5	43,300*	65.7	342.1	49,300*																110
115	59.8	333.7	41,300*	64.1	339.7	47,200*	66.6	342.1	51,400*													115
120	58.1	330.6	39,400*	62.5	337.1	45,100*	65.0	339.8	49,600*													120
125	56.4	327.4	37,500*	60.8	334.4	43,100*	63.4	337.4	47,600*													125
130	54.6	323.9	36,000*	59.2	331.5	41,100*	61.8	334.7	45,600*													130
135	52.8	320.1	33,800*	57.5	328.3	39,200*	60.1	331.9	43,600*													135
140	51.0	316.2	31,800*	55.8	325.0	37,300*	58.5	328.9	41,600*	62.7	333.3	45,000										140
145	49.1	311.9	30,000*	54.0	321.4	35,200*	56.7	325.7	39,000*	61.1	330.6	42,800										145
150	47.2	307.4	28,300*	52.2	317.6	33,100*	55.0	322.3	36,600*	59.4	327.7	40,700										150
155	45.2	302.5	26,700*	50.3	313.6	31,200*	53.2	318.6	34,300*	57.8	324.6	38,800										155
160	43.1	297.3	25,200*	48.4	309.2	29,400*	51.4	314.7	32,300*	56.0	321.3	37,000										160
165	41.0	291.7	23,900*	46.5	304.6	27,700*	49.5	310.5	30,400*	54.3	317.8	35,300										165
170	38.7	285.6	22,600*	44.5	299.6	26,200*	47.6	306.0	28,700*	52.5	314.0	33,500*	56.9	319.0	30,300							170
175	36.3	279.0	21,400*	42.4	294.2	24,800*	45.6	301.2	27,100*	50.7	310.0	31,500*	55.2	315.6	28,900							175
180	33.8	271.8	20,200*	40.2	288.5	23,400*	43.6	296.1	25,600*	48.8	305.7	29,700*	53.4	311.9	27,600							180
185	31.1	263.9	19,200*	37.9	282.2	22,200*	41.5	290.6	24,200*	46.8	301.1	28,000*	51.6	308.0	26,400							185
190	28.2	255.0	18,200*	35.5	275.4	21,000*	39.2	284.6	22,900*	44.8	296.2	26,500*	49.8	303.9	25,300							190
195	25.0	244.8	17,200*	32.9	267.9	19,900*	36.9	278.1	21,700*	42.7	290.9	25,000*	47.8	299.5	24,200	52.4	304.6	21,300				195
200	21.3	232.9	16,300*	30.1	259.7	18,800*	34.4	271.1	20,500*	40.6	285.2	23,700*	45.9	294.7	23,200	50.6	300.6	20,400				200
205	16.8	218.1	15,100*	27.1	250.4	17,900*	31.8	263.3	19,400*	38.3	279.0	22,400*	43.8	289.6	22,200	48.7	296.3	19,500				205
210	10.6	196.9	13,000*	23.7	239.7	16,900*	28.9	254.6	18,400*	35.9	272.3	21,200*	41.7	284.1	21,300	46.8	291.7	18,600				210
215				19.8	226.9	16,000*	25.7	244.8	17,500*	33.3	265.0	20,100*	39.5	278.2	20,400	44.7	286.7	17,800				215
220				14.9	210.5	15,200*	22.1	233.3	16,600*	30.6	256.9	19,000*	37.2	271.8	19,600	42.7	281.4	17,100	47.4	287.1	14,600	220
225				7.1	183.9	13,000*	17.9	219.3	15,700*	27.6	247.7	18,000*	34.7	264.8	18,800	40.5	275.7	16,300	45.5	282.3	13,900	225
230							12.2	200.2	14,900*	24.3	237.3	17,100*	32.1	257.1	18,000	38.2	269.6	15,600	43.4	277.1	13,300	230
235										20.5	224.9	16,200*	29.2	248.6	17,300	35.8	262.8	15,000	41.2	271.5	12,700	235
240										15.8	209.3	15,400*	26.1	238.9	16,600	33.3	255.5	14,300	39.0	265.5	12,100	240
245										8.9	185.7	14,500*	22.6	227.6	15,900	30.5	247.3	13,700	36.7	259.0	11,500	245
250													18.4	214.0	15,300	27.5	238.2	13,100	34.2	251.9	11,000	250
255													13.0	195.7	14,600	24.2	227.7	12,500	31.5	244.0	10,500	255
260																20.4	215.3	12,000	28.6	235.2	10,000	260
265																15.6	199.5	11,400	25.4	225.2	9,500	265
270																8.6	175.5	10,900	21.8	213.6	9,000	270
275																			17.4	199.2	8,500	275
280																			11.5	179.3	8,100	280

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

160 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	64.3	234.1	135,600*b																			45
50	59.6	231.3	128,000*b																			50
55	54.7	227.9	121,100*b																			55
60	49.4	223.9	111,900*	63.5	232.4	131,000*b																60
65	43.7	219.0	99,800*	58.8	229.5	124,200*b	66.6	232.7	130,000*b													65
70	37.2	212.9	89,900*	53.8	226.0	118,000*b	62.0	230.2	123,000*b													70
75	29.6	205.0	81,600*	48.4	221.8	109,600*	57.2	227.1	116,500*b													75
80	19.3	193.4	74,600*	42.6	216.7	97,900*	52.1	223.4	110,400*b													80
85				36.0	210.4	88,600*	46.6	219.0	104,400	60.9	226.3	97,200b										85
90				28.0	202.1	80,600*	40.6	213.5	95,000*	56.0	223.1	90,200b										90
95				16.7	189.3	73,800*	33.6	206.7	85,900*	50.8	219.3	84,000										95
100							24.9	197.4	78,300*	45.2	214.6	78,500										100
105							10.7	180.8	71,800*	39.0	208.9	73,700	54.4	217.6	68,200b							105
110										31.7	201.5	69,300	49.2	213.6	64,200							110
115										22.4	191.3	65,300	43.4	208.6	60,500							115
120													36.9	202.4	57,200	52.4	210.6	52,700				120
125													29.2	194.4	54,200	47.0	206.2	49,900				125
130													18.6	182.6	51,300	40.9	200.8	47,400				130
135																34.0	194.0	45,000				135
140																25.5	184.9	42,800	44.0	197.0	39,200	140
145																12.1	169.3	40,600	37.6	191.0	37,400	145
150																			30.1	183.3	35,600	150
155																			20.0	172.0	33,900	155

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

160 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	67.7	245.1	131,000*b																			45
50	63.8	242.7	123,900*b																			50
55	59.7	239.9	117,400*b																			55
60	55.4	236.7	111,500*	67.0	243.5	126,900*b																60
65	50.9	232.8	100,300*	63.1	241.0	120,600*b																65
70	46.0	228.2	90,300*	58.9	238.2	114,700*b	65.8	241.4	119,200*b													70
75	40.7	222.7	82,000*	54.6	234.8	109,300*	61.7	238.8	113,200*b													75
80	34.7	216.0	74,900*	50.0	230.8	98,400*	57.6	235.8	107,500*													80
85	27.6	207.4	69,100*	45.1	226.1	89,000*	53.1	232.2	102,200*													85
90	17.9	195.0	63,800*	39.7	220.4	80,900*	48.5	228.0	95,400*	60.7	235.0	89,500b										90
95				33.5	213.4	74,000*	43.4	223.0	86,300*	56.5	231.8	83,400										95
100				26.1	204.4	68,100*	37.8	217.0	78,600*	52.0	228.1	78,000										100
105				15.6	190.6	63,000*	31.3	209.5	72,100*	47.3	223.7	73,100										105
110							23.3	199.4	66,400*	42.1	218.5	68,800	55.2	226.4	63,500							110
115							10.0	181.6	61,400*	36.3	212.2	64,900	50.6	222.5	59,900							115
120										29.6	204.2	61,300	45.7	217.8	56,600							120
125										20.9	193.1	58,000	40.4	212.3	53,600							125
130													34.4	205.6	50,900	48.7	215.2	46,700				130
135													27.2	196.8	48,300	43.7	210.3	44,400				135
140													17.3	184.0	45,900	38.1	204.3	42,200				140
145																31.7	196.9	40,200	46.3	206.2	36,700	145
150																23.8	187.0	38,300	41.0	200.8	35,000	150
155																11.2	170.2	36,500	35.1	194.2	33,400	155
160																			28.0	185.7	31,900	160
165																			18.6	173.6	30,400	165

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

160 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	70.3	255.9	126,600*b																			45
50	66.9	253.8	120,000*b																			50
55	63.4	251.4	114,000*b																			55
60	59.7	248.6	108,400*	69.7	254.3	122,800*b																60
65	55.9	245.4	100,700*	66.3	252.2	117,000*b																65
70	51.9	241.6	90,600*	62.7	249.7	111,500*																70
75	47.7	237.3	82,200*	59.0	246.8	106,400*	65.1	250.1	109,400*b													75
80	43.2	232.2	75,100*	55.2	243.5	98,800*	61.5	247.5	104,200*													80
85	38.2	226.2	69,200*	51.2	239.6	89,000*	57.8	244.5	99,300*													85
90	32.6	219.0	63,900*	46.9	235.2	80,900*	53.9	241.0	94,600*													90
95	25.9	209.7	59,300*	42.3	230.0	74,200*	49.9	237.0	86,500*	60.7	243.6	82,900										95
100	16.9	196.4	55,200*	37.3	223.8	68,300*	45.5	232.3	78,800*	56.9	240.5	77,500										100
105				31.5	216.3	63,100*	40.8	226.8	72,200*	53.0	236.9	72,700										105
110				24.5	206.5	58,600*	35.5	220.2	66,500*	48.8	232.7	68,400										110
115				14.6	191.8	54,500*	29.4	212.1	61,600*	44.4	227.9	64,500	55.7	235.1	59,400							115
120							21.9	201.3	57,200*	39.5	222.1	60,900	51.7	231.3	56,100							120
125							9.4	182.4	53,300*	34.1	215.3	57,700	47.5	226.9	53,200							125
130										27.8	206.6	54,800	43.0	221.8	50,400							130
135										19.6	194.8	52,000	38.0	215.8	47,900	50.1	224.1	43,800				135
140													32.3	208.5	45,600	45.8	219.5	41,700				140
145													25.6	199.1	43,500	41.0	214.1	39,800				145
150													16.3	185.4	41,400	35.8	207.6	37,900	48.0	215.3	34,400	150
155																29.8	199.6	36,200	43.5	210.2	32,900	155
160																22.4	189.0	34,600	38.5	204.3	31,400	160
165																10.5	171.1	33,000	33.0	197.2	30,000	165
170																			26.4	188.1	28,700	170
175																			17.5	175.1	27,400	175

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

160 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	72.4	266.5	122,100*b																			45
50	69.3	264.7	116,000*b																			50
55	66.2	262.5	110,300*																			55
60	63.0	260.1	105,100*																			60
65	59.7	257.3	100,100*	68.8	263.1	113,200*b																65
70	56.3	254.1	90,600*	65.7	260.9	108,100*																70
75	52.8	250.4	82,200*	62.4	258.4	103,400*	67.8	261.1	106,200*b													75
80	49.1	246.2	75,000*	59.1	255.5	98,800*	64.6	258.8	101,500*													80
85	45.1	241.5	69,100*	55.7	252.2	89,000*	61.4	256.2	96,900*													85
90	40.8	236.0	63,800*	52.1	248.5	80,800*	58.1	253.2	92,600*													90
95	36.2	229.5	59,100*	48.4	244.2	74,100*	54.6	249.7	86,400*													95
100	30.9	221.7	55,000*	44.4	239.3	68,100*	50.9	245.8	78,700*	60.6	252.3	76,800										100
105	24.5	211.9	51,300*	40.0	233.6	62,900*	47.1	241.4	72,100*	57.2	249.2	72,000										105
110	16.0	197.8	48,000*	35.3	227.0	58,400*	43.0	236.3	66,400*	53.7	245.7	67,800										110
115				29.8	218.9	54,400*	38.5	230.3	61,400*	50.0	241.6	63,900										115
120				23.2	208.6	50,800*	33.6	223.2	57,100*	46.1	237.0	60,400	56.2	243.8	55,400							120
125				13.8	193.0	47,500*	27.9	214.6	53,200*	42.0	231.7	57,200	52.6	240.1	52,500							125
130							20.7	203.1	49,700*	37.4	225.5	54,300	48.9	235.9	49,800							130
135							8.8	183.1	46,500*	32.3	218.2	51,600	44.9	231.1	47,300							135
140										26.3	209.0	49,100	40.6	225.6	45,000	51.2	233.0	41,000				140
145										18.5	196.4	46,700	35.9	219.1	42,900	47.3	228.6	39,100				145
150													30.6	211.2	40,900	43.3	223.5	37,300				150
155													24.2	201.2	39,100	38.8	217.6	35,600				155
160													15.4	186.8	37,300	33.9	210.6	34,000	45.3	219.5	30,700	160
165																28.2	202.1	32,500	41.1	214.0	29,300	165
170																21.2	190.8	31,100	36.4	207.6	28,100	170
175																9.9	171.9	29,700	31.2	200.0	26,900	175
180																			24.9	190.3	25,700	180
185																			16.6	176.6	24,600	185

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

160 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.0	276.9	116,500*b																			45
50	71.3	275.3	111,000*b																			50
55	68.5	273.4	105,900*																			55
60	65.7	271.2	101,000*																			60
65	62.8	268.8	96,500*	70.8	273.8	108,300*b																65
70	59.8	265.9	92,400*	68.0	271.8	103,800*																70
75	56.7	262.8	84,600*	65.1	269.6	99,500*																75
80	53.5	259.2	77,200*	62.2	267.0	95,400*	67.1	269.8	99,000*													80
85	50.1	255.1	71,000*	59.2	264.2	91,400*	64.2	267.5	94,800*													85
90	46.6	250.6	65,500*	56.1	260.9	83,200*	61.3	264.8	90,700*													90
95	42.9	245.4	60,700*	52.9	257.3	76,200*	58.2	261.8	86,800*													95
100	38.8	239.5	56,500*	49.5	253.1	70,000*	55.1	258.5	81,000*													100
105	34.4	232.6	52,700*	46.0	248.5	64,600*	51.8	254.7	74,100*	60.5	261.0	71,500										105
110	29.4	224.4	49,300*	42.2	243.2	59,900*	48.4	250.4	68,200*	57.5	257.9	67,200										110
115	23.3	214.0	46,300*	38.1	237.1	55,800*	44.8	245.5	63,100*	54.3	254.4	63,300										115
120	15.2	199.1	42,600*	33.5	230.0	52,100*	40.9	240.0	58,600*	51.0	250.5	59,800										120
125				28.4	221.4	48,800*	36.7	233.6	54,600*	47.5	246.1	56,700	56.5	252.5	51,900							125
130				22.1	210.5	45,800*	32.0	226.1	51,000*	43.9	241.1	53,800	53.3	248.9	49,200							130
135				13.2	194.1	43,100*	26.5	216.9	47,800*	39.9	235.4	51,100	50.0	244.8	46,700							135
140							19.7	204.8	44,900*	35.6	228.8	48,600	46.4	240.3	44,500							140
145							8.4	183.8	41,700*	30.7	220.9	46,300	42.7	235.1	42,400	52.0	241.8	38,500				145
150										25.0	211.2	44,200	38.6	229.1	40,400	48.6	237.6	36,700				150
155										17.6	197.9	42,200	34.2	222.1	38,600	45.0	232.8	35,000				155
160													29.1	213.8	36,900	41.1	227.3	33,400				160
165													23.0	203.3	35,300	36.9	221.0	32,000	46.8	228.6	28,700	165
170													14.6	188.0	33,700	32.2	213.5	30,600	43.1	223.5	27,500	170
175																26.9	204.5	29,300	39.1	217.6	26,300	175
180																20.1	192.6	28,000	34.7	210.8	25,200	180
185																9.4	172.7	26,800	29.7	202.6	24,100	185
190																			23.7	192.4	23,100	190
195																			15.8	177.9	22,100	195

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

160 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.4	287.3	112,000*																			45
50	72.9	285.9	107,000*																			50
55	70.4	284.1	102,200*																			55
60	67.8	282.2	97,700*																			60
65	65.2	279.9	93,600*																			65
70	62.5	277.4	89,700*	69.9	282.6	100,200*																70
75	59.8	274.6	84,300*	67.4	280.6	96,300*																75
80	57.0	271.4	76,900*	64.7	278.3	92,600*																80
85	54.0	267.9	70,600*	62.0	275.7	88,900*	66.5	278.5	91,600*													85
90	51.0	264.0	65,100*	59.3	272.8	82,900*	63.9	276.2	87,900*													90
95	47.8	259.6	60,300*	56.4	269.6	75,700*	61.2	273.5	84,400*													95
100	44.5	254.7	56,100*	53.5	266.0	69,500*	58.4	270.5	80,600*													100
105	40.9	249.2	52,300*	50.5	262.0	64,200*	55.5	267.2	73,700*													105
110	37.1	242.9	48,900*	47.3	257.6	59,500*	52.5	263.5	67,800*	60.5	269.6	66,500										110
115	32.9	235.6	45,900*	43.9	252.6	55,400*	49.4	259.3	62,700*	57.7	266.6	62,700										115
120	28.1	226.8	43,100*	40.3	246.9	51,700*	46.2	254.7	58,200*	54.8	263.1	59,200										120
125	22.3	215.9	40,600*	36.4	240.4	48,400*	42.7	249.5	54,200*	51.8	259.3	56,100										125
130	14.5	200.3	37,500*	32.0	232.9	45,400*	39.0	243.6	50,600*	48.7	255.1	53,200	56.8	261.2	48,500							130
135				27.1	223.9	42,700*	35.0	236.8	47,400*	45.4	250.3	50,500	53.9	257.6	46,100							135
140				21.1	212.4	40,200*	30.5	228.9	44,500*	41.9	245.0	48,100	50.9	253.7	43,800							140
145				12.6	195.2	37,900*	25.3	219.2	41,900*	38.1	238.9	45,800	47.7	249.3	41,700							145
150							18.8	206.4	39,500*	34.0	231.8	43,700	44.3	244.4	39,800	52.7	250.6	36,000				150
155							8.0	184.4	36,800*	29.4	223.5	41,800	40.7	238.8	38,000	49.6	246.5	34,300				155
160										23.9	213.3	39,900	36.9	232.4	36,300	46.4	241.9	32,800				160
165										16.9	199.4	38,200	32.6	225.1	34,700	42.9	236.7	31,300				165
170													27.8	216.3	33,300	39.3	230.9	30,000	48.0	237.6	26,800	170
175													22.0	205.2	31,800	35.3	224.2	28,700	44.7	232.8	25,600	175
180													14.0	189.2	30,500	30.8	216.3	27,500	41.1	227.3	24,500	180
185																25.7	206.7	26,300	37.3	221.0	23,500	185
190																19.2	194.3	25,200	33.1	213.8	22,500	190
195																9.0	173.4	24,100	28.4	205.1	21,500	195
200																			22.7	194.4	20,600	200
205																			15.0	179.2	19,700	205

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

160 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.3	296.3	103,100*																			50
55	72.0	294.7	98,800*																			55
60	69.6	292.9	94,700*																			60
65	67.2	290.9	90,800*																			65
70	64.8	288.6	87,100*																			70
75	62.3	286.1	83,600*	69.2	291.4	93,200*																75
80	59.8	283.3	76,800*	66.8	289.3	89,800*																80
85	57.2	280.1	70,400*	64.4	287.0	86,500*																85
90	54.5	276.7	64,900*	61.9	284.4	82,800*	66.0	287.2	85,200*													90
95	51.7	272.8	60,200*	59.3	281.5	75,600*	63.6	284.8	82,000*													95
100	48.9	268.6	55,900*	56.7	278.3	69,400*	61.1	282.1	78,800*													100
105	45.8	263.9	52,100*	54.0	274.8	64,100*	58.5	279.2	73,600*													105
110	42.6	258.7	48,800*	51.2	270.9	59,400*	55.9	275.9	67,700*	63.0	281.0	66,200										110
115	39.2	252.8	45,700*	48.3	266.6	55,200*	53.1	272.2	62,600*	60.5	278.3	62,400										115
120	35.6	246.1	43,000*	45.3	261.8	51,500*	50.3	268.2	58,000*	57.9	275.2	58,900										120
125	31.5	238.4	40,500*	42.0	256.4	48,200*	47.4	263.7	54,000*	55.2	271.9	55,800										125
130	26.9	229.2	38,200*	38.6	250.4	45,200*	44.3	258.8	50,500*	52.5	268.1	52,900										130
135	21.4	217.8	36,100*	34.9	243.6	42,500*	41.0	253.2	47,200*	49.6	264.0	50,300	57.1	269.9	45,800							135
140	13.9	201.5	33,300*	30.7	235.6	40,100*	37.4	247.0	44,400*	46.6	259.4	47,800	54.4	266.4	43,500							140
145				26.0	226.2	37,800*	33.6	239.8	41,700*	43.5	254.3	45,600	51.6	262.5	41,500							145
150				20.3	214.1	35,700*	29.3	231.5	39,300*	40.1	248.6	43,500	48.7	258.3	39,500							150
155				12.1	196.2	33,800*	24.3	221.3	37,100*	36.5	242.2	41,500	45.7	253.6	37,700							155
160							18.0	208.0	35,100*	32.6	234.8	39,700	42.5	248.3	36,100	50.5	255.4	32,500				160
165							7.7	185.0	32,900*	28.2	226.0	38,000	39.1	242.4	34,500	47.5	251.0	31,100				165
170										22.9	215.3	36,400	35.4	235.6	33,000	44.4	246.0	29,700				170
175										16.2	200.8	34,700*	31.3	227.9	31,700	41.2	240.5	28,400				175
180													26.7	218.6	30,300	37.6	234.3	27,200	46.0	241.9	24,200	180
185													21.1	207.0	29,100	33.8	227.2	26,100	42.8	236.7	23,200	185
190													13.4	190.3	27,900	29.6	218.9	25,000	39.4	230.9	22,200	190
195																24.6	208.9	24,000	35.8	224.2	21,300	195
200																18.5	195.9	23,000	31.8	216.6	20,400	200
205																8.6	174.2	22,000	27.2	207.5	19,600	205
210																			21.8	196.3	18,800	210
215																			14.4	180.4	18,000	215

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

160 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.4	306.7	97,000*																			50
55	73.3	305.3	94,200*																			55
60	71.1	303.6	91,100*																			60
65	68.9	301.7	87,700*																			65
70	66.7	299.6	84,100*																			70
75	64.5	297.3	80,200*	70.7	302.1	89,900*																75
80	62.2	294.7	76,200*	68.5	300.1	86,700*																80
85	59.8	291.9	70,000*	66.3	298.0	83,700*																85
90	57.4	288.8	64,500*	64.1	295.6	80,800*	67.8	298.2	82,100*													90
95	54.9	285.4	59,700*	61.7	293.0	75,200*	65.6	296.0	79,200*													95
100	52.4	281.6	55,500*	59.4	290.1	69,000*	63.3	293.5	76,400*													100
105	49.7	277.5	51,700*	57.0	287.0	63,700*	61.0	290.8	73,200*													105
110	47.0	273.0	48,300*	54.5	283.5	58,900*	58.6	287.8	67,300*													110
115	44.1	268.0	45,300*	51.9	279.7	54,800*	56.2	284.6	62,100*	62.8	289.7	61,800										115
120	41.0	262.4	42,500*	49.2	275.5	51,100*	53.7	281.0	57,600*	60.4	286.9	58,300										120
125	37.7	256.2	40,000*	46.4	270.9	47,800*	51.1	277.1	53,600*	58.0	283.9	55,200										125
130	34.2	249.2	37,700*	43.5	265.8	44,800*	48.3	272.7	50,000*	55.6	280.6	52,300										130
135	30.3	241.1	35,600*	40.4	260.1	42,100*	45.5	268.0	46,800*	53.0	276.9	49,700										135
140	25.9	231.5	33,700*	37.1	253.8	39,600*	42.5	262.7	43,900*	50.4	272.9	47,300										140
145	20.6	219.6	31,900*	33.5	246.6	37,300*	39.4	256.8	41,300*	47.7	268.5	45,000	57.3	278.5	42,900							145
150	13.4	202.7	29,500*	29.6	238.3	35,300*	36.0	250.3	38,900*	44.8	263.6	42,900	54.8	275.1	40,800							150
155				25.0	228.4	33,400*	32.3	242.7	36,700*	41.8	258.2	41,000	52.2	271.3	38,900							155
160				19.5	215.8	31,600*	28.2	234.0	34,700*	38.6	252.2	39,200	49.6	267.2	37,100							160
165				11.6	197.2	29,900*	23.4	223.4	32,800*	35.1	245.4	37,500	46.8	262.6	35,500							165
170							17.4	209.5	31,100*	31.4	237.6	35,900	43.9	257.6	33,900	51.2	264.2	30,400				170
175							7.4	185.6	29,200*	27.1	228.4	34,200*	40.8	252.0	32,400	48.5	259.9	29,000				175
180										22.1	217.2	32,400*	37.6	245.8	31,100	45.7	255.2	27,800				180
185										15.6	202.1	30,700*	34.0	238.7	29,800	42.7	250.0	26,600				185
190													30.1	230.6	28,600	39.6	244.1	25,500	47.1	251.0	22,500	190
195													25.7	220.9	27,400	36.2	237.6	24,400	44.2	246.0	21,500	195
200													20.3	208.8	26,300	32.5	230.1	23,400	41.2	240.5	20,600	200
205													12.9	191.4	25,200	28.4	221.5	22,500	37.9	234.3	19,800	205
210																23.7	211.0	21,600	34.4	227.4	18,900	210
215																17.8	197.4	20,700	30.6	219.3	18,200	215
220																8.3	174.8	19,800	26.2	209.9	17,400	220
225																			20.9	198.1	16,700	225
																			13.9	181.6	15,900	

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

160 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.4	315.7	86,900*																			55
60	72.4	314.2	84,400*																			60
65	70.4	312.4	81,600*																			65
70	68.4	310.5	78,700*																			70
75	66.3	308.4	75,600*																			75
80	64.2	306.0	72,300*	70.0	310.9	82,700*																80
85	62.0	303.4	68,900*	68.0	308.9	80,000*																85
90	59.8	300.6	65,500*	65.9	306.7	77,300*																90
95	57.6	297.5	60,700*	63.8	304.3	74,700*	67.3	306.9	77,000*													95
100	55.3	294.1	56,300*	61.6	301.7	70,400*	65.2	304.7	74,400*													100
105	52.9	290.4	52,500*	59.4	298.8	64,800*	63.1	302.2	71,900*													105
110	50.5	286.4	49,000*	57.2	295.7	59,900*	60.9	299.5	68,600*													110
115	47.9	282.0	45,900*	54.9	292.2	55,700*	58.7	296.5	63,200*													115
120	45.3	277.2	43,100*	52.5	288.5	51,900*	56.4	293.3	58,600*	62.6	298.4	57,700										120
125	42.5	271.9	40,500*	50.0	284.4	48,500*	54.1	289.7	54,400*	60.4	295.6	54,600										125
130	39.5	266.0	38,200*	47.4	279.9	45,400*	51.7	285.9	50,800*	58.2	292.6	51,700										130
135	36.4	259.5	36,000*	44.8	275.0	42,600*	49.2	281.7	47,500*	55.9	289.3	49,100										135
140	33.0	252.2	34,100*	42.0	269.7	40,100*	46.6	277.1	44,500*	53.5	285.7	46,700										140
145	29.3	243.7	32,200*	39.0	263.7	37,800*	43.9	272.0	41,800*	51.1	281.7	44,500	57.5	287.2	40,200							145
150	25.0	233.7	30,500*	35.8	257.0	35,700*	41.0	266.5	39,400*	48.6	277.4	42,400	55.2	283.8	38,300							150
155	19.9	221.3	28,800*	32.4	249.5	33,700*	38.0	260.3	37,100*	46.0	272.7	40,500	52.8	280.1	36,500							155
160	12.9	203.8	25,400*	28.5	240.8	31,900*	34.7	253.4	35,100*	43.2	267.6	38,700	50.3	276.1	34,900							160
165				24.1	230.5	30,300*	31.2	245.5	33,200*	40.3	261.9	37,000	47.8	271.7	33,300							165
170				18.8	217.5	28,700*	27.2	236.4	31,400*	37.2	255.5	35,400	45.1	266.8	31,900	51.8	273.0	28,400				170
175				11.2	198.1	26,000*	22.6	225.4	29,800*	33.9	248.4	34,000	42.3	261.5	30,500	49.3	268.9	27,200				175
180							16.7	211.0	28,300*	30.3	240.3	32,600	39.4	255.6	29,300	46.7	264.3	26,000				180
185							7.1	186.2	25,300*	26.1	230.8	31,000*	36.2	249.1	28,000	44.0	259.3	24,900				185
190										21.3	219.1	29,400*	32.8	241.7	26,900	41.2	253.7	23,900				190
195										15.0	203.4	27,900*	29.1	233.2	25,800	38.2	247.6	22,900	45.4	255.2	20,000	195
200													24.8	223.1	24,800	34.9	240.7	21,900	42.6	249.9	19,200	200
205													19.6	210.5	23,800	31.4	232.9	21,000	39.7	244.1	18,400	205
210													12.4	192.5	22,800	27.4	223.9	20,200	36.6	237.6	17,600	210
215																22.9	213.0	19,400	33.2	230.3	16,900	215
220																17.1	198.9	18,600	29.5	222.0	16,100	220
225																8.0	175.5	17,800	25.2	212.1	15,500	225
230																			20.2	199.9	14,800	230
235																			13.4	182.8	14,100	235

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

160 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.4	326.1	79,900*																			55
60	73.6	324.6	78,000*																			60
65	71.7	323.0	75,800*																			65
70	69.8	321.2	73,400*																			70
75	67.9	319.3	70,900*																			75
80	65.9	317.1	68,200*																			80
85	63.9	314.7	65,300*	69.4	319.7	77,100*																85
90	61.9	312.1	62,400*	67.5	317.7	74,700*																90
95	59.8	309.2	59,500*	65.5	315.4	72,300*																95
100	57.7	306.2	55,800*	63.6	313.0	69,800*	66.9	315.6	71,600*													100
105	55.6	302.8	51,900*	61.5	310.4	64,300*	64.9	313.4	69,300*													105
110	53.4	299.2	48,400*	59.5	307.5	59,400*	62.9	310.9	67,000*													110
115	51.1	295.2	45,400*	57.4	304.3	55,200*	60.9	308.1	62,700*													115
120	48.7	291.0	42,500*	55.2	300.9	51,300*	58.8	305.2	58,000*													120
125	46.3	286.3	40,000*	53.0	297.3	47,900*	56.7	302.0	53,900*	62.4	307.0	54,000										125
130	43.7	281.2	37,600*	50.7	293.3	44,900*	54.5	298.5	50,200*	60.4	304.3	51,100										130
135	41.1	275.7	35,500*	48.3	288.9	42,100*	52.2	294.7	46,900*	58.3	301.2	48,500										135
140	38.2	269.5	33,500*	45.8	284.2	39,600*	49.9	290.6	44,000*	56.1	298.0	46,100										140
145	35.2	262.7	31,700*	43.3	279.0	37,300*	47.5	286.1	41,300*	53.9	294.4	43,900										145
150	31.9	255.0	30,000*	40.6	273.4	35,200*	45.0	281.3	38,800*	51.7	290.5	41,800	57.6	295.9	37,700							150
155	28.3	246.2	28,400*	37.7	267.1	33,200*	42.4	275.9	36,600*	49.3	286.4	39,900	55.5	292.5	35,900							155
160	24.2	235.9	27,000*	34.6	260.2	31,400*	39.7	270.1	34,500*	46.9	281.8	38,100	53.3	288.9	34,300							160
165	19.2	223.0	25,500*	31.3	252.3	29,700*	36.7	263.6	32,600*	44.4	276.8	36,400	51.0	284.9	32,700							165
170	12.5	204.8	22,400*	27.6	243.3	28,200*	33.6	256.4	30,900*	41.8	271.4	34,900	48.6	280.6	31,300							170
175				23.4	232.6	26,800*	30.1	248.2	29,200*	39.0	265.4	33,400	46.2	276.0	29,900	52.4	281.8	26,500				175
180				18.2	219.1	25,400*	26.3	238.7	27,700*	36.0	258.8	32,000	43.6	270.9	28,700	50.1	277.8	25,400				180
185				10.8	199.1	23,000*	21.8	227.3	26,300*	32.8	251.4	30,500*	40.9	265.3	27,500	47.7	273.3	24,300				185
190							16.2	212.4	25,000*	29.3	242.9	28,900*	38.1	259.1	26,300	45.2	268.5	23,200				190
195							6.8	186.8	22,400*	25.3	233.0	27,400*	35.0	252.2	25,200	42.6	263.2	22,300				195
200										20.6	220.9	26,000*	31.7	244.5	24,200	39.8	257.4	21,300	46.4	264.3	18,500	200
205										14.5	204.7	24,700*	28.1	235.7	23,300	36.9	251.0	20,400	43.9	259.3	17,700	205
210													23.9	225.2	22,300	33.8	243.8	19,600	41.2	253.7	16,900	210
215													18.9	212.2	21,400	30.4	235.7	18,800	38.4	247.6	16,200	215
220													12.0	193.5	20,500	26.5	226.3	18,000	35.4	240.8	15,500	220
225																22.1	214.9	17,300	32.1	233.2	14,800	225
230																16.6	200.3	16,500	28.5	224.5	14,200	230
235																7.7	176.2	15,800	24.4	214.3	13,600	235
240																			19.5	201.6	13,000	240
245																			12.9	183.9	12,400	245

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

160 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	74.6	335.1	72,000*																			60
65	72.8	333.6	70,300*																			65
70	71.0	331.9	68,400*																			70
75	69.2	330.0	66,300*																			75
80	67.4	328.0	64,100*																			80
85	65.6	325.8	61,800*	70.7	330.3	73,300*																85
90	63.7	323.4	59,300*	68.9	328.5	71,800*																90
95	61.8	320.7	56,800*	67.1	326.4	70,000*																95
100	59.8	317.9	54,300*	65.2	324.1	67,900*																100
105	57.9	314.8	51,600*	63.4	321.7	64,000*	66.5	324.4	66,800*													105
110	55.8	311.5	48,100*	61.4	319.0	59,100*	64.6	322.0	64,800*													110
115	53.8	307.9	45,000*	59.5	316.1	54,900*	62.7	319.5	62,400*													115
120	51.6	304.1	42,200*	57.5	313.0	51,000*	60.8	316.8	57,700*													120
125	49.4	299.9	39,700*	55.5	309.7	47,600*	58.9	313.8	53,600*													125
130	47.2	295.4	37,300*	53.4	306.0	44,600*	56.9	310.6	49,900*	62.3	315.7	50,800										130
135	44.8	290.4	35,200*	51.3	302.1	41,800*	54.8	307.2	46,600*	60.4	312.9	48,200										135
140	42.4	285.1	33,200*	49.0	297.9	39,300*	52.7	303.5	43,600*	58.4	309.9	45,800										140
145	39.8	279.3	31,400*	46.8	293.3	36,900*	50.6	299.4	41,000*	56.4	306.7	43,600										145
150	37.0	272.9	29,700*	44.4	288.3	34,800*	48.3	295.1	38,500*	54.3	303.1	41,500										150
155	34.1	265.8	28,100*	41.9	282.9	32,900*	46.0	290.4	36,300*	52.2	299.3	39,600	57.8	304.6	35,600							155
160	30.9	257.8	26,700*	39.3	277.0	31,100*	43.6	285.3	34,200*	50.0	295.3	37,800	55.7	301.2	33,900							160
165	27.4	248.7	25,300*	36.5	270.4	29,400*	41.1	279.7	32,300*	47.8	290.8	36,100	53.7	297.6	32,400							165
170	23.4	237.9	24,000*	33.5	263.2	27,900*	38.4	273.6	30,600*	45.4	286.0	34,600	51.5	293.8	31,000							170
175	18.6	224.6	22,600*	30.3	255.0	26,400*	35.6	266.9	28,900*	43.0	280.8	33,100	49.3	289.6	29,600							175
180	12.1	205.9	19,900*	26.7	245.7	25,100*	32.5	259.3	27,400*	40.4	275.1	31,700	47.1	285.0	28,300	52.8	290.6	25,000				180
185				22.6	234.6	23,800*	29.2	250.8	26,000*	37.7	268.9	30,200*	44.7	280.1	27,100	50.7	286.6	23,900				185
190				17.6	220.6	22,700*	25.5	241.0	24,700*	34.9	261.9	28,600*	42.2	274.7	26,000	48.5	282.3	22,900				190
195				10.5	199.9	20,500*	21.2	229.1	23,500*	31.8	254.2	27,100*	39.6	268.9	25,000	46.1	277.6	21,900				195
200							15.7	213.7	22,300*	28.4	245.4	25,700*	36.9	262.4	23,900	43.7	272.5	21,000				200
205							6.6	187.3	19,900*	24.5	235.2	24,400*	33.9	255.3	23,000	41.2	267.0	20,100	47.3	273.4	17,400	205
210										20.0	222.7	23,200*	30.8	247.3	22,100	38.6	260.9	19,300	45.0	268.5	16,600	210
215										14.1	205.9	22,000*	27.2	238.1	21,200	35.8	254.2	18,500	42.5	263.2	15,900	215
220													23.2	227.3	20,300	32.7	246.7	17,700	39.9	257.4	15,200	220
225													18.4	213.8	19,500	29.4	238.3	17,000	37.2	251.0	14,500	225
230													11.7	194.5	18,700	25.7	228.5	16,300	34.3	243.9	13,900	230
235																21.4	216.8	15,600	31.1	236.0	13,300	235
240																16.1	201.7	15,000	27.6	227.0	12,700	240
245																7.5	176.8	14,300	23.7	216.3	12,100	245
250																			18.9	203.2	11,600	250
255																			12.5	185.0	11,000	255

MANITOWOC CRANES, INC.

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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 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

160 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	345.4	66,300*																			60
65	73.8	344.0	64,900*																			65
70	72.1	342.5	63,400*																			70
75	70.4	340.7	61,700*																			75
80	68.7	338.8	59,900*																			80
85	67.0	336.7	58,000*																			85
90	65.3	334.5	56,000*	70.1	339.2	66,900*																90
95	63.5	332.0	53,900*	68.4	337.2	65,500*																95
100	61.7	329.4	51,800*	66.7	335.1	63,700*																100
105	59.9	326.6	49,600*	64.9	332.8	61,600*	67.9	335.2	64,000*													105
110	58.0	323.5	47,400*	63.2	330.4	58,600*	66.1	333.1	62,300*													110
115	56.1	320.2	44,500*	61.4	327.7	54,300*	64.4	330.7	60,400*													115
120	54.1	316.7	41,700*	59.5	324.8	50,500*	62.6	328.2	57,200*													120
125	52.1	312.9	39,100*	57.7	321.7	47,100*	60.8	325.4	53,100*													125
130	50.1	308.8	36,800*	55.7	318.4	44,000*	58.9	322.5	49,400*													130
135	48.0	304.4	34,600*	53.8	314.8	41,200*	57.0	319.3	46,100*	62.2	324.4	47,600										135
140	45.8	299.6	32,700*	51.8	310.9	38,700*	55.1	315.9	43,100*	60.3	321.6	45,200										140
145	43.5	294.5	30,800*	49.7	306.8	36,400*	53.1	312.2	40,400*	58.5	318.6	43,000										145
150	41.1	288.9	29,200*	47.6	302.3	34,300*	51.1	308.3	38,000*	56.6	315.3	40,900										150
155	38.6	282.8	27,600*	45.4	297.5	32,400*	49.0	304.0	35,700*	54.6	311.9	39,000										155
160	35.9	276.1	26,100*	43.1	292.3	30,600*	46.9	299.5	33,700*	52.7	308.1	37,200	57.9	313.2	33,300							160
165	33.1	268.7	24,800*	40.7	286.6	28,900*	44.6	294.5	31,800*	50.6	304.1	35,600	56.0	309.9	31,800							165
170	30.0	260.5	23,500*	38.1	280.4	27,400*	42.3	289.2	30,000*	48.5	299.8	34,000	54.0	306.4	30,300							170
175	26.6	251.0	22,300*	35.4	273.6	25,900*	39.9	283.3	28,400*	46.3	295.1	32,600	52.0	302.6	29,000							175
180	22.7	239.9	21,200*	32.6	266.1	24,600*	37.3	277.0	26,900*	44.1	290.1	31,200	50.0	298.5	27,700							180
185	18.1	226.2	19,900*	29.4	257.6	23,300*	34.5	270.0	25,500*	41.7	284.6	29,600*	47.8	294.0	26,500							185
190	11.7	206.9	17,500*	26.0	248.0	22,100*	31.6	262.2	24,200*	39.2	278.7	28,000*	45.6	289.3	25,400	51.2	295.5	22,300				190
195				22.0	236.5	21,000*	28.4	253.4	22,900*	36.6	272.2	26,600*	43.4	284.1	24,400	49.1	291.2	21,300				195
200				17.1	222.1	20,000*	24.7	243.2	21,800*	33.8	265.0	25,200*	41.0	278.5	23,400	47.0	286.7	20,400				200
205				10.2	200.8	18,000*	20.5	230.9	20,700*	30.8	257.0	23,900*	38.5	272.4	22,400	44.8	281.8	19,500				205
210							15.2	215.1	19,600*	27.5	247.9	22,700*	35.8	265.7	21,500	42.4	276.4	18,700				210
215							6.4	187.9	17,500*	23.8	237.3	21,500*	32.9	258.3	20,600	40.0	270.6	17,900	45.9	277.6	15,200	215
220										19.4	224.4	20,400*	29.9	249.9	19,800	37.4	264.3	17,100	43.6	272.5	14,500	220
225										13.7	207.0	19,400*	26.4	240.4	19,000	34.7	257.3	16,400	41.2	267.0	13,900	225
230													22.5	229.2	18,300	31.8	249.6	15,700	38.7	260.9	13,300	230
235													17.8	215.3	17,500	28.6	240.8	15,100	36.1	254.3	12,700	235
240													11.3	195.5	16,800	25.0	230.7	14,400	33.3	246.9	12,100	240
245																20.8	218.7	13,800	30.2	238.7	11,500	245
250																15.6	203.1	13,200	26.8	229.3	11,000	250
255																7.3	177.4	12,600	23.0	218.4	10,500	255
260																			18.4	204.8	10,000	260
265																			12.2	186.0	9,500	265

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

160 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	354.4	59,800*																			65
70	73.1	353.0	58,500*																			70
75	71.5	351.3	57,200*																			75
80	69.9	349.5	55,700*																			80
85	68.3	347.6	54,100*																			85
90	66.6	345.5	52,500*																			90
95	65.0	343.2	50,800*	69.6	348.0	59,500*																95
100	63.3	340.7	49,000*	68.0	346.0	57,700*																100
105	61.6	338.1	47,200*	66.3	343.8	55,700*																105
110	59.9	335.2	45,400*	64.7	341.5	53,700*	67.5	344.0	56,400*													110
115	58.1	332.2	43,500*	63.0	339.0	51,700*	65.8	341.8	54,600*													115
120	56.3	328.9	41,700*	61.3	336.3	49,600*	64.1	339.4	52,800*													120
125	54.5	325.4	39,100*	59.5	333.5	47,300*	62.5	336.9	50,900*													125
130	52.6	321.6	36,700*	57.8	330.4	44,100*	60.7	334.1	49,700*													130
135	50.6	317.6	34,500*	56.0	327.1	41,300*	59.0	331.2	46,300*													135
140	48.6	313.3	32,500*	54.1	323.5	38,700*	57.2	328.0	43,200*	62.0	333.0	44,600										140
145	46.6	308.7	30,700*	52.2	319.7	36,400*	55.4	324.6	40,500*	60.3	330.2	42,400										145
150	44.5	303.7	29,000*	50.3	315.6	34,200*	53.5	321.0	38,000*	58.6	327.2	40,400										150
155	42.3	298.3	27,400*	48.3	311.3	32,200*	51.6	317.1	35,700*	56.8	324.0	38,500										155
160	39.9	292.5	25,900*	46.2	306.6	30,400*	49.6	312.9	33,600*	54.9	320.6	36,700										160
165	37.5	286.2	24,500*	44.1	301.6	28,700*	47.6	308.5	31,600*	53.1	316.9	35,100	58.0	321.9	31,200							165
170	34.9	279.3	23,200*	41.8	296.1	27,100*	45.5	303.7	29,800*	51.1	313.0	33,500	56.2	318.6	29,800							170
175	32.2	271.6	22,000*	39.5	290.2	25,700*	43.4	298.5	28,200*	49.2	308.7	32,100	54.4	315.1	28,500							175
180	29.2	263.1	20,900*	37.1	283.8	24,300*	41.1	292.9	26,700*	47.1	304.2	30,700	52.5	311.3	27,200							180
185	25.9	253.3	19,800*	34.5	276.7	23,000*	38.7	286.9	25,200*	45.0	299.3	29,400	50.5	307.3	26,000							185
190	22.1	241.9	18,800*	31.7	268.9	21,800*	36.2	280.3	23,900*	42.8	294.0	27,800*	48.5	303.0	24,900							190
195	17.6	227.7	17,600*	28.6	260.2	20,700*	33.6	273.0	22,600*	40.5	288.3	26,300*	46.5	298.4	23,900	51.7	304.3	20,700				195
200	11.4	207.8	15,300*	25.2	250.2	19,600*	30.7	264.9	21,500*	38.1	282.2	24,900*	44.4	293.4	22,900	49.8	300.1	19,800				200
205				21.4	238.4	18,600*	27.6	255.8	20,400*	35.6	275.4	23,600*	42.1	288.0	21,900	47.7	295.7	19,000				205
210				16.7	223.5	17,700*	24.1	245.3	19,300*	32.9	268.0	22,400*	39.8	282.1	21,000	45.7	290.9	18,100				210
215				9.9	201.7	15,900*	20.0	232.7	18,300*	30.0	259.6	21,200*	37.4	275.8	20,100	43.5	285.8	17,400				215
220							14.8	216.3	17,400*	26.8	250.2	20,100*	34.8	268.8	19,300	41.2	280.2	16,600	46.7	286.7	14,000	220
225							6.2	188.4	15,400*	23.1	239.3	19,100*	32.0	261.1	18,500	38.9	274.2	15,900	44.6	281.7	13,300	225
230										18.9	226.0	18,100*	29.0	252.5	17,800	36.4	267.6	15,200	42.4	276.4	12,700	230
235										13.3	208.2	17,200*	25.7	242.7	17,100	33.7	260.4	14,600	40.1	270.6	12,100	235
240													21.9	231.2	16,400	30.9	252.3	13,900	37.7	264.3	11,600	240
245													17.3	216.8	15,700	27.8	243.3	13,300	35.1	257.4	11,000	245
250													11.0	196.4	15,000	24.3	232.9	12,800	32.3	249.8	10,500	250
255																20.2	220.4	12,200	29.4	241.3	10,000	255
260																15.2	204.4	11,600	26.1	231.7	9,500	260
265																7.1	178.0	11,100	22.3	220.3	9,000	265
270																			17.9	206.4	8,600	270
275																			11.8	187.0	8,100	275

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

160 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	364.8	55,000*																			65
70	74.0	363.4	54,000*																			70
75	72.5	361.9	52,900*																			75
80	70.9	360.2	51,700*																			80
85	69.4	358.3	50,500*																			85
90	67.9	356.3	49,100*																			90
95	66.3	354.2	47,700*	70.7	358.6	55,000*																95
100	64.7	351.9	46,200*	69.1	356.8	53,300*																100
105	63.1	349.4	44,700*	67.6	354.7	51,400*																105
110	61.5	346.7	43,100*	66.0	352.6	49,500*																110
115	59.9	343.9	41,400*	64.5	350.2	47,600*	67.1	352.7	50,300*													115
120	58.2	340.8	39,500*	62.9	347.7	45,500*	65.5	350.5	48,600*													120
125	56.5	337.6	37,700*	61.2	345.0	43,600*	63.9	348.1	46,700*													125
130	54.7	334.1	35,800*	59.6	342.1	41,600*	62.3	345.5	44,800*													130
135	53.0	330.4	34,000*	57.9	339.0	39,700*	60.7	342.8	45,700*													135
140	51.1	326.5	32,000*	56.2	335.7	37,800*	59.0	339.8	42,700*													140
145	49.3	322.2	30,100*	54.4	332.2	35,800*	57.3	336.7	39,900*	61.9	341.7	41,800										145
150	47.3	317.7	28,400*	52.6	328.5	33,600*	55.6	333.3	37,400*	60.3	338.9	39,800										150
155	45.3	312.9	26,800*	50.8	324.5	31,600*	53.9	329.7	35,100*	58.6	335.9	37,900										155
160	43.3	307.7	25,300*	48.9	320.2	29,800*	52.1	325.9	33,000*	56.9	332.7	36,100										160
165	41.1	302.1	24,000*	47.0	315.7	28,100*	50.2	321.8	31,100*	55.2	329.3	34,500										165
170	38.9	296.1	22,700*	45.0	310.8	26,600*	48.3	317.5	29,300*	53.4	325.7	32,900										170
175	36.5	289.5	21,500*	42.9	305.5	25,100*	46.3	312.8	27,600*	51.6	321.8	31,500	56.4	327.3	27,800							175
180	34.0	282.4	20,300*	40.7	299.8	23,700*	44.3	307.8	26,100*	49.7	317.6	30,100	54.7	323.8	26,600							180
185	31.3	274.4	19,300*	38.5	293.7	22,500*	42.2	302.4	24,700*	47.8	313.2	28,900	52.9	320.1	25,400							185
190	28.4	265.6	18,300*	36.1	287.1	21,300*	40.0	296.6	23,300*	45.9	308.4	27,300*	51.0	316.2	24,300							190
195	25.2	255.6	17,300*	33.5	279.8	20,200*	37.7	290.3	22,100*	43.8	303.3	25,800*	49.2	311.9	23,300							195
200	21.5	243.8	16,400*	30.8	271.7	19,100*	35.3	283.5	20,900*	41.7	297.9	24,400*	47.2	307.4	22,300	52.2	313.1	19,200				200
205	17.1	229.2	15,300*	27.9	262.7	18,100*	32.7	275.9	19,800*	39.5	291.9	23,000*	45.2	302.5	21,300	50.3	309.0	18,300				205
210	11.1	208.8	13,200*	24.6	252.4	17,200*	29.9	267.6	18,800*	37.1	285.5	21,800*	43.2	297.3	20,400	48.4	304.7	17,500				210
215				20.8	240.2	16,300*	26.9	258.2	17,800*	34.7	278.5	20,700*	41.0	291.7	19,600	46.5	300.0	16,700				215
220				16.2	224.9	15,400*	23.4	247.4	16,900*	32.0	270.8	19,600*	38.8	285.7	18,800	44.4	295.0	16,000				220
225				9.6	202.5	13,800*	19.5	234.4	16,000*	29.2	262.3	18,600*	36.4	279.1	18,000	42.3	289.7	15,300	47.4	295.7	12,700	225
230							14.4	217.6	15,100*	26.1	252.6	17,600*	33.9	271.9	17,200	40.1	283.9	14,600	45.5	290.9	12,100	230
235							6.1	188.9	13,400*	22.5	241.3	16,700*	31.2	263.9	16,500	37.8	277.6	14,000	43.4	285.7	11,500	235
240										18.4	227.6	15,800*	28.3	255.0	15,800	35.4	270.8	13,400	41.2	280.2	10,900	240
245										12.9	209.3	15,000*	25.0	244.9	15,200	32.8	263.3	12,800	39.0	274.2	10,400	245
250													21.3	233.0	14,600	30.1	255.0	12,200	36.7	267.6	9,900	250
255													16.9	218.3	13,900	27.0	245.7	11,600	34.2	260.5	9,400	255
260													10.7	197.4	13,300	23.6	235.0	11,100	31.5	252.7	8,900	260
265																19.7	222.2	10,600	28.6	243.9	8,400	265
270																14.8	205.7	10,100	25.4	233.9	8,000	270
275																6.9	178.5	9,500	21.8	222.2	7,600	275
280																			17.4	207.9	7,100	280
285																			11.5	188.0	6,700	285

MANITOWOC CRANES, INC.

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LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
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M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

170 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	64.6	244.2	134,400*b																			45
50	60.0	241.5	127,200*b																			50
55	55.1	238.2	120,600*b																			55
60	49.8	234.2	112,800*	64.6	242.9	129,100*b																60
65	44.1	229.3	100,600*	59.9	240.2	121,900*b																65
70	37.7	223.4	90,500*	55.0	236.9	115,200*b	63.6	241.0	119,000*b													70
75	30.2	215.6	82,200*	49.8	232.9	109,000*	58.9	238.1	112,700*b													75
80	20.2	204.5	75,100*	44.1	228.0	100,600*	53.9	234.6	106,800*b													80
85				37.7	222.0	90,500*	48.6	230.5	101,300*													85
90				30.1	214.3	82,200*	42.8	225.4	95,700	58.5	234.5	88,300b										90
95				20.1	203.1	75,300*	36.2	219.1	88,900*	53.5	231.0	82,300b										95
100							28.2	210.8	80,800*	48.2	226.8	76,900										100
105							17.1	198.2	73,900*	42.3	221.6	72,200	57.9	229.4	66,200b							105
110										35.7	215.2	67,900	52.8	225.8	62,200b							110
115										27.6	206.8	64,000	47.4	221.5	58,700							115
120										16.0	193.6	60,400	41.4	216.2	55,500							120
125													34.6	209.6	52,500	51.6	219.0	47,800				125
130													26.3	200.7	49,800	46.1	214.5	45,400				130
135													13.6	186.1	47,200	39.9	208.9	43,100				135
140																32.9	201.9	41,000				140
145																24.0	192.2	39,000	44.0	205.7	35,200	145
150																8.0	173.5	37,000	37.6	199.7	33,600	150
155																			30.1	191.9	32,000	155
160																			20.0	180.7	30,500	160

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

170 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	68.0	255.2	129,700*b																			45
50	64.1	252.9	122,900*b																			50
55	60.0	250.2	116,700*b																			55
60	55.7	246.9	111,100*	68.0	253.9	124,700*b																60
65	51.2	243.1	101,100*	64.0	251.6	118,100*b																65
70	46.3	238.5	91,000*	59.9	248.8	111,900*b	67.1	252.1	115,100*b													70
75	41.1	233.1	82,500*	55.7	245.6	106,100*	63.2	249.6	109,300*b													75
80	35.1	226.5	75,400*	51.2	241.7	100,700*	59.0	246.8	103,900*b													80
85	28.1	218.1	69,500*	46.3	237.2	91,000*	54.7	243.4	98,800*													85
90	18.8	206.1	64,200*	41.0	231.8	82,500*	50.1	239.4	94,100*	62.9	246.1	87,700b										90
95				35.1	225.2	75,600*	45.2	234.7	88,700	58.7	243.2	81,700b										95
100				28.1	216.8	69,500*	39.8	229.1	81,100*	54.4	239.8	76,300										100
105				18.7	204.7	64,200*	33.7	222.2	74,200*	49.8	235.7	71,600										105
110							26.3	213.2	68,300*	44.8	231.0	67,400										110
115							15.9	199.6	63,100*	39.4	225.3	63,500	53.8	234.6	58,000							115
120										33.2	218.2	60,000	49.1	230.5	54,900							120
125										25.7	209.0	56,800	44.1	225.6	51,900							125
130										14.9	194.8	53,800	38.6	219.7	49,300	52.7	227.9	44,700				130
135													32.3	212.5	46,800	48.0	223.6	42,400				135
140													24.5	202.8	44,500	42.9	218.5	40,400				140
145													12.7	187.1	42,300	37.2	212.3	38,400				145
150																30.6	204.6	36,600	46.3	214.9	32,900	150
155																22.3	194.2	34,900	41.0	209.5	31,400	155
160																7.4	174.1	33,200	35.1	202.9	30,000	160
165																			28.0	194.4	28,600	165
170																			18.6	182.3	27,300	170

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

170 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	70.6	266.0	125,100*b																			45
50	67.1	264.0	119,000*b																			50
55	63.6	261.6	113,100*b																			55
60	60.0	258.8	107,800*	70.6	264.7	120,300*b																60
65	56.2	255.6	101,500*	67.1	262.7	114,300*b																65
70	52.2	251.9	91,300*	63.6	260.3	108,600*b																70
75	48.0	247.6	82,800*	60.0	257.5	103,300*	66.4	260.8	105,500*b													75
80	43.5	242.6	75,600*	56.2	254.3	98,300*	62.8	258.3	100,600*b													80
85	38.6	236.7	69,600*	52.2	250.6	91,300*	59.1	255.4	95,900*													85
90	33.0	229.5	64,300*	48.0	246.3	82,800*	55.3	252.1	91,500*													90
95	26.4	220.5	59,600*	43.5	241.2	75,800*	51.3	248.3	87,300*	62.6	254.7	81,100										95
100	17.6	207.6	55,400*	38.6	235.3	69,600*	47.0	243.8	81,300*	58.9	251.9	75,800										100
105				33.0	228.2	64,300*	42.5	238.6	74,400*	55.0	248.5	71,100										105
110				26.4	219.1	59,600*	37.4	232.5	68,400*	51.0	244.6	66,900										110
115				17.6	206.2	55,500*	31.7	225.0	63,200*	46.7	240.1	63,100										115
120							24.7	215.3	58,700*	42.1	234.9	59,600	54.5	243.4	54,300							120
125							15.0	200.9	54,600*	37.0	228.6	56,500	50.4	239.4	51,400							125
130										31.2	221.0	53,600	46.1	234.8	48,800							130
135										24.2	211.2	50,900	41.4	229.4	46,400							135
140										14.0	196.0	48,400	36.3	223.0	44,100	49.4	232.5	39,800				140
145													30.3	215.2	42,000	45.1	227.8	37,900				145
150													23.0	204.9	40,100	40.3	222.2	36,200				150
155													11.9	188.1	38,200	35.0	215.5	34,500	48.0	223.9	30,800	155
160																28.8	207.2	33,000	43.5	218.9	29,400	160
165																21.0	196.0	31,500	38.5	213.0	28,100	165
170																6.9	174.6	30,000	33.0	205.8	26,900	170
175																			26.4	196.7	25,700	175
180																			17.5	183.8	24,600	180

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

170 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	72.6	276.6	120,500*b																			45
50	69.5	274.8	114,800*b																			50
55	66.4	272.7	109,300*b																			55
60	63.3	270.3	104,400*																			60
65	60.0	267.5	99,700*	69.5	273.5	110,200*b																65
70	56.6	264.3	91,200*	66.4	271.4	105,100*																70
75	53.0	260.7	82,700*	63.2	268.9	100,200*																75
80	49.3	256.5	75,500*	60.0	266.2	95,500*	65.7	269.5	97,800*													80
85	45.4	251.8	69,500*	56.6	263.0	91,100*	62.5	267.0	93,500*													85
90	41.1	246.4	64,100*	53.0	259.4	82,700*	59.2	264.1	89,400*													90
95	36.5	240.0	59,400*	49.3	255.2	75,500*	55.8	260.8	85,500*													95
100	31.3	232.3	55,300*	45.4	250.5	69,300*	52.2	257.1	81,200*	62.3	263.4	75,200										100
105	25.0	222.7	51,600*	41.1	245.0	64,100*	48.5	252.8	74,300*	59.0	260.5	70,500										105
110	16.7	209.0	48,300*	36.5	238.6	59,400*	44.5	248.0	68,300*	55.6	257.2	66,300										110
115				31.2	231.0	55,300*	40.1	242.3	63,100*	52.0	253.4	62,500										115
120				25.0	221.3	51,600*	35.4	235.7	58,500*	48.2	249.1	59,100										120
125				16.6	207.6	48,300*	30.0	227.7	54,500*	44.2	244.2	55,900	55.1	252.1	50,700							125
130							23.4	217.4	50,900*	39.8	238.5	53,100	51.4	248.2	48,100							130
135							14.2	202.1	47,600*	35.0	231.8	50,400	47.6	243.9	45,700							135
140										29.5	223.7	48,000	43.6	238.8	43,500							140
145										22.9	213.2	45,700	39.2	233.0	41,500	50.6	241.4	37,200				145
150										13.3	197.2	43,600	34.3	226.1	39,500	46.7	236.9	35,500				150
155													28.7	217.7	37,700	42.6	231.7	33,900				155
160													21.8	206.8	36,100	38.1	225.7	32,400				160
165													11.2	189.1	34,400	33.1	218.5	30,900	45.3	228.2	27,400	165
170																27.2	209.6	29,600	41.1	222.7	26,200	170
175																19.9	197.7	28,300	36.4	216.3	25,100	175
180																6.5	175.1	27,000	31.2	208.6	24,000	180
185																			24.9	198.9	23,000	185
190																			16.6	185.2	22,000	190

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

170 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.2	287.0	114,900*																			45
50	71.5	285.4	109,700*																			50
55	68.7	283.6	104,800*																			55
60	65.9	281.4	100,200*																			60
65	63.0	278.9	95,900*																			65
70	60.0	276.1	91,900*	68.7	282.3	102,200*																70
75	56.9	273.0	85,200*	65.8	280.1	97,700*																75
80	53.7	269.4	77,700*	62.9	277.6	93,400*																80
85	50.4	265.4	71,400*	60.0	274.8	89,200*	65.2	278.2	91,300*													85
90	46.9	260.9	65,900*	56.9	271.7	85,200*	62.3	275.6	87,500*													90
95	43.1	255.8	61,000*	53.7	268.1	77,700*	59.3	272.8	83,800*													95
100	39.1	249.9	56,800*	50.4	264.1	71,300*	56.2	269.5	80,200*													100
105	34.7	243.1	53,000*	46.8	259.6	65,900*	53.0	265.9	76,400*	62.1	272.1	69,900										105
110	29.7	235.0	49,600*	43.1	254.5	61,000*	49.6	261.8	70,200*	59.1	269.2	65,700										110
115	23.8	224.8	46,500*	39.1	248.6	56,800*	46.0	257.1	64,800*	56.0	265.9	61,900										115
120	15.9	210.4	43,300*	34.7	241.8	53,000*	42.3	251.9	60,100*	52.7	262.2	58,500										120
125				29.7	233.6	49,600*	38.2	245.8	55,900*	49.4	258.1	55,400										125
130				23.8	223.4	46,500*	33.7	238.7	52,200*	45.8	253.4	52,500	55.5	260.8	47,500							130
135				15.8	209.0	43,700*	28.5	230.2	48,900*	42.0	248.1	49,900	52.3	257.1	45,100							135
140							22.3	219.4	45,900*	37.9	242.0	47,500	48.9	252.8	42,900							140
145							13.5	203.2	43,200*	33.3	234.8	45,300	45.3	248.1	40,900							145
150										28.1	226.2	43,200	41.4	242.7	39,000	51.5	250.3	34,900				150
155										21.8	215.1	41,200	37.3	236.4	37,200	48.0	245.9	33,300				155
160										12.6	198.2	39,400	32.6	229.1	35,600	44.4	241.0	31,800				160
165													27.3	220.2	34,000	40.5	235.4	30,400				165
170													20.7	208.6	32,500	36.2	229.0	29,000	46.8	237.3	25,600	170
175													10.7	190.0	31,100	31.5	221.3	27,800	43.1	232.1	24,500	175
180																25.9	211.9	26,600	39.1	226.3	23,400	180
185																18.9	199.4	25,500	34.7	219.4	22,400	185
190																6.2	175.6	24,300	29.7	211.3	21,500	190
195																			23.7	201.0	20,600	195
200																			15.8	186.6	19,700	200

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

170 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.6	297.4	110,200*																			45
50	73.1	296.0	105,500*																			50
55	70.6	294.3	101,100*																			55
60	68.0	292.3	96,900*																			60
65	65.4	290.1	92,800*																			65
70	62.7	287.6	89,100*	70.5	293.0	98,500*																70
75	60.0	284.8	84,600*	68.0	291.0	94,300*																75
80	57.2	281.7	77,300*	65.4	288.8	90,400*																80
85	54.3	278.2	70,900*	62.7	286.3	86,600*	67.4	289.1	88,200*													85
90	51.2	274.3	65,400*	60.0	283.5	83,000*	64.8	286.9	84,700*													90
95	48.1	269.9	60,600*	57.1	280.4	77,300*	62.1	284.3	81,300*													95
100	44.7	265.1	56,300*	54.2	276.9	70,900*	59.4	281.4	78,000*													100
105	41.2	259.6	52,500*	51.2	273.0	65,500*	56.5	278.2	74,900*													105
110	37.4	253.3	49,100*	48.0	268.6	60,600*	53.6	274.6	69,800*	61.9	280.7	65,000										110
115	33.2	246.1	46,100*	44.7	263.8	56,300*	50.5	270.7	64,400*	59.2	277.8	61,300										115
120	28.4	237.5	43,300*	41.2	258.3	52,500*	47.3	266.2	59,700*	56.3	274.6	57,900										120
125	22.8	226.8	40,800*	37.3	252.0	49,100*	44.0	261.2	55,500*	53.4	271.0	54,800										125
130	15.2	211.7	38,100*	33.1	244.8	46,100*	40.4	255.6	51,800*	50.3	267.0	51,900										130
135				28.4	236.2	43,300*	36.5	249.1	48,500*	47.1	262.5	49,300	55.9	269.5	44,500							135
140				22.7	225.4	40,800*	32.2	241.6	45,500*	43.7	257.5	46,900	52.9	265.8	42,300							140
145				15.1	210.3	38,500*	27.2	232.6	42,800*	40.1	251.8	44,700	49.9	261.8	40,200							145
150							21.3	221.2	40,300*	36.2	245.3	42,700	46.6	257.2	38,400							150
155							12.9	204.3	38,000*	31.8	237.7	40,700	43.2	252.1	36,600	52.2	259.1	32,600				155
160										26.9	228.6	38,900	39.6	246.3	35,000	49.1	254.9	31,100				160
165										20.8	216.9	37,200	35.6	239.6	33,500	45.9	250.2	29,700				165
170										12.0	199.2	35,600	31.2	231.9	32,000	42.4	244.9	28,400				170
175													26.1	222.5	30,600	38.7	239.0	27,200	48.0	246.3	23,800	175
180													19.8	210.3	29,300	34.6	232.1	26,000	44.7	241.4	22,700	180
185													10.2	190.8	28,100	30.1	224.0	24,900	41.1	235.9	21,700	185
190																24.8	214.1	23,900	37.3	229.7	20,800	190
195																18.0	200.9	22,800	33.1	222.4	19,900	195
200																5.9	176.1	21,800	28.4	213.8	19,100	200
205																			22.7	203.0	18,200	205
210																			15.0	187.9	17,400	210

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

170 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.4	306.4	100,200*																			50
55	72.1	304.9	96,900*																			55
60	69.8	303.1	93,300*																			60
65	67.4	301.1	89,300*																			65
70	65.0	298.8	85,100*																			70
75	62.5	296.3	80,800*	69.8	301.8	91,100*																75
80	60.0	293.5	76,400*	67.4	299.8	87,500*																80
85	57.4	290.3	70,800*	65.0	297.5	84,000*																85
90	54.7	286.9	65,300*	62.5	295.0	80,700*	66.9	297.9	82,000*													90
95	51.9	283.1	60,400*	60.0	292.1	77,300*	64.4	295.6	78,900*													95
100	49.1	278.9	56,100*	57.4	289.0	70,800*	61.9	293.0	75,900*													100
105	46.0	274.2	52,300*	54.7	285.6	65,400*	59.4	290.1	73,000*													105
110	42.9	269.0	48,900*	51.9	281.8	60,500*	56.8	286.9	69,700*													110
115	39.5	263.2	45,900*	49.0	277.6	56,200*	54.1	283.4	64,300*	61.8	289.4	61,000										115
120	35.8	256.6	43,100*	46.0	272.9	52,400*	51.3	279.5	59,500*	59.2	286.5	57,600										120
125	31.8	249.0	40,600*	42.9	267.7	49,000*	48.4	275.2	55,400*	56.6	283.3	54,500										125
130	27.3	239.9	38,300*	39.5	261.9	45,900*	45.4	270.4	51,600*	53.9	279.8	51,700										130
135	21.8	228.7	36,200*	35.8	255.3	43,200*	42.1	265.1	48,300*	51.1	275.8	49,100										135
140	14.5	212.9	33,800*	31.8	247.6	40,600*	38.7	259.1	45,300*	48.2	271.5	46,700	56.2	278.2	42,000							140
145				27.2	238.6	38,300*	35.0	252.3	42,600*	45.1	266.7	44,500	53.5	274.6	39,900							145
150				21.8	227.3	36,200*	30.8	244.4	40,100*	41.9	261.3	42,400	50.7	270.6	38,100							150
155				14.5	211.5	34,300*	26.1	234.9	37,900*	38.4	255.3	40,500	47.8	266.2	36,300							155
160							20.4	223.0	35,800*	34.7	248.4	38,700	44.7	261.3	34,700	52.9	267.9	30,800				160
165							12.3	205.3	33,900*	30.5	240.4	37,100	41.4	255.9	33,200	50.0	263.8	29,400				165
170										25.8	230.8	35,500	37.9	249.7	31,800	47.1	259.3	28,100				170
175										20.0	218.6	34,000	34.1	242.7	30,400	43.9	254.3	26,900				175
180										11.5	200.2	32,600	29.9	234.5	29,200	40.6	248.7	25,800				180
185													25.0	224.7	28,000	37.1	242.3	24,700	46.0	250.6	21,500	185
190													19.0	212.0	26,800	33.2	235.1	23,600	42.8	245.4	20,500	190
195													9.8	191.6	25,700	28.8	226.6	22,700	39.4	239.5	19,700	195
200																23.8	216.2	21,700	35.8	232.9	18,800	200
205																17.3	202.4	20,800	31.8	225.3	18,000	205
210																5.7	176.5	19,900	27.2	216.2	17,300	210
215																			21.8	204.9	16,500	215
220																			14.4	189.1	15,800	220

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

170 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.6	316.8	92,300*																			50
55	73.4	315.4	89,700*																			55
60	71.3	313.7	86,800*																			60
65	69.1	311.9	83,600*																			65
70	66.9	309.8	80,200*																			70
75	64.6	307.5	76,500*																			75
80	62.3	304.9	72,800*	69.1	310.6	84,300*																80
85	60.0	302.1	69,100*	66.9	308.5	81,100*																85
90	57.6	299.0	64,800*	64.6	306.2	78,100*																90
95	55.1	295.6	60,000*	62.3	303.6	75,100*	66.4	306.6	76,200*													95
100	52.5	291.9	55,700*	60.0	300.8	70,400*	64.1	304.2	73,500*													100
105	49.9	287.8	51,900*	57.6	297.7	64,800*	61.8	301.6	70,800*													105
110	47.2	283.3	48,500*	55.1	294.3	60,000*	59.4	298.7	68,200*													110
115	44.3	278.3	45,400*	52.5	290.6	55,800*	57.0	295.6	63,800*													115
120	41.2	272.8	42,600*	49.9	286.5	51,900*	54.5	292.1	59,100*	61.6	298.1	56,900										120
125	38.0	266.7	40,100*	47.1	282.0	48,500*	52.0	288.3	54,900*	59.3	295.2	53,900										125
130	34.5	259.7	37,800*	44.2	277.0	45,500*	49.3	284.1	51,200*	56.9	292.0	51,000										130
135	30.6	251.7	35,700*	41.2	271.5	42,700*	46.5	279.5	47,900*	54.4	288.5	48,500										135
140	26.2	242.3	33,800*	38.0	265.3	40,200*	43.6	274.5	44,900*	51.8	284.7	46,100										140
145	21.0	230.5	32,000*	34.4	258.4	37,900*	40.5	268.8	42,100*	49.1	280.5	43,900	56.5	286.9	39,300							145
150	14.0	214.1	29,900*	30.6	250.4	35,800*	37.2	262.5	39,700*	46.3	275.8	41,900	54.0	283.4	37,400							150
155				26.2	240.9	33,800*	33.6	255.3	37,400*	43.4	270.7	40,000	51.4	279.5	35,700							155
160				21.0	229.2	32,000*	29.7	247.0	35,300*	40.3	265.0	38,200	48.7	275.2	34,100							160
165				13.9	212.7	30,300*	25.2	237.2	33,400*	37.0	258.6	36,500	45.9	270.5	32,600							165
170							19.7	224.7	31,700*	33.4	251.4	35,000	43.0	265.3	31,200	50.8	272.7	27,400				170
175							11.9	206.4	30,000*	29.4	243.0	33,500	39.8	259.5	29,800	48.1	268.3	26,200				175
180										24.8	233.0	32,200	36.5	253.0	28,600	45.2	263.5	25,100				180
185										19.2	220.3	30,800	32.8	245.7	27,400	42.3	258.2	24,000				185
190										11.1	201.2	29,500	28.8	237.1	26,300	39.1	252.2	23,000	47.1	259.6	19,800	190
195													24.1	226.8	25,200	35.7	245.6	22,100	44.2	254.7	19,000	195
200													18.3	213.6	24,200	31.9	237.9	21,100	41.2	249.2	18,200	200
205													9.4	192.4	23,200	27.8	229.0	20,300	37.9	243.0	17,400	205
210																22.9	218.2	19,400	34.4	236.0	16,600	210
215																16.7	203.9	18,600	30.6	228.0	15,900	215
220																5.4	176.9	17,800	26.2	218.5	15,200	220
225																			20.9	206.8	14,600	225
230																			13.9	190.3	13,900	230

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

170 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.6	325.8	82,900*																			55
60	72.6	324.3	80,600*																			60
65	70.6	322.6	78,000*																			65
70	68.5	320.6	75,200*																			70
75	66.4	318.5	72,300*																			75
80	64.3	316.2	69,100*	70.5	321.2	81,800*																80
85	62.2	313.6	65,900*	68.5	319.3	78,900*																85
90	60.0	310.8	62,700*	66.4	317.2	76,100*																90
95	57.7	307.7	59,400*	64.3	314.9	73,400*																95
100	55.4	304.3	56,200*	62.2	312.3	70,700*	66.0	315.3	71,600*													100
105	53.1	300.7	52,700*	60.0	309.5	66,100*	63.8	312.9	69,100*													105
110	50.6	296.7	49,200*	57.7	306.4	61,100*	61.7	310.3	66,700*													110
115	48.1	292.3	46,100*	55.4	303.0	56,700*	59.5	307.4	64,400*													115
120	45.4	287.5	43,200*	53.1	299.4	52,800*	57.2	304.3	60,100*													120
125	42.7	282.3	40,600*	50.6	295.4	49,300*	54.9	300.8	55,800*	61.5	306.7	53,300										125
130	39.7	276.5	38,300*	48.1	291.0	46,100*	52.5	297.1	52,000*	59.3	303.8	50,500										130
135	36.6	270.0	36,100*	45.4	286.2	43,300*	50.1	293.0	48,600*	57.1	300.7	47,900										135
140	33.2	262.7	34,200*	42.7	280.9	40,700*	47.5	288.6	45,500*	54.7	297.2	45,500										140
145	29.5	254.3	32,300*	39.7	275.1	38,300*	44.8	283.7	42,700*	52.4	293.5	43,300										145
150	25.3	244.5	30,600*	36.6	268.7	36,200*	42.0	278.3	40,200*	49.9	289.4	41,300	56.7	295.6	36,800							150
155	20.3	232.3	29,000*	33.2	261.4	34,200*	39.1	272.4	37,900*	47.3	284.9	39,400	54.4	292.1	35,100							155
160	13.5	215.3	25,800*	29.5	253.0	32,400*	35.9	265.7	35,800*	44.6	280.0	37,700	52.0	288.3	33,500							160
165				25.3	243.1	30,700*	32.4	258.2	33,800*	41.8	274.6	36,000	49.5	284.1	32,000							165
170				20.2	230.9	29,100*	28.6	249.6	32,000*	38.8	268.6	34,500	47.0	279.6	30,600							170
175				13.5	213.9	27,100*	24.3	239.3	30,300*	35.7	261.9	33,000	44.3	274.6	29,300	51.4	281.5	25,600				175
180							19.0	226.4	28,800*	32.2	254.3	31,700	41.4	269.1	28,000	48.9	277.2	24,500				180
185							11.4	207.3	27,000*	28.3	245.6	30,400	38.4	263.0	26,900	46.3	272.6	23,400				185
190										23.9	235.1	29,200	35.2	256.2	25,800	43.6	267.5	22,400				190
195										18.5	221.9	28,000	31.7	248.5	24,700	40.7	261.9	21,500				195
200										10.7	202.1	26,800	27.8	239.6	23,700	37.7	255.7	20,600	45.4	263.9	17,600	200
205													23.2	228.9	22,800	34.4	248.7	19,700	42.6	258.6	16,800	205
210													17.6	215.1	21,800	30.8	240.7	18,900	39.7	252.8	16,100	210
215													9.1	193.2	20,900	26.8	231.4	18,100	36.6	246.3	15,400	215
220																22.1	220.1	17,400	33.2	239.0	14,700	220
225																16.1	205.3	16,600	29.5	230.6	14,000	225
230																5.2	177.3	15,900	25.2	220.8	13,400	230
235																			20.2	208.5	12,800	235
240																			13.4	191.4	12,200	240

MANITOWOC CRANES, INC.

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LIFTCRANE LUFFING JIB CAPACITIES

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M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

170 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.6	336.2	76,500*																			55
60	73.7	334.7	74,600*																			60
65	71.8	333.1	72,500*																			65
70	69.9	331.4	70,300*																			70
75	68.0	329.4	67,800*																			75
80	66.0	327.2	65,300*																			80
85	64.1	324.9	62,600*	69.9	330.1	75,800*																85
90	62.0	322.3	59,800*	68.0	328.1	73,300*																90
95	60.0	319.4	57,000*	66.0	325.9	70,800*																95
100	57.9	316.4	54,200*	64.0	323.5	68,400*	67.6	326.2	68,800*													100
105	55.7	313.0	51,500*	62.0	320.9	65,600*	65.6	324.0	66,600*													105
110	53.5	309.4	48,700*	60.0	318.1	60,500*	63.6	321.6	64,500*													110
115	51.2	305.5	45,500*	57.9	315.1	56,200*	61.6	318.9	62,300*													115
120	48.9	301.3	42,700*	55.7	311.7	52,200*	59.5	316.1	59,600*													120
125	46.5	296.6	40,100*	53.5	308.1	48,700*	57.4	312.9	55,300*													125
130	43.9	291.6	37,800*	51.2	304.2	45,600*	55.2	309.6	51,500*	61.4	315.4	49,800										130
135	41.2	286.1	35,600*	48.9	299.9	42,700*	53.0	305.9	48,000*	59.4	312.5	47,300										135
140	38.4	280.0	33,600*	46.4	295.3	40,200*	50.7	301.9	45,000*	57.3	309.4	44,900										140
145	35.4	273.2	31,800*	43.9	290.3	37,800*	48.4	297.6	42,200*	55.1	305.9	42,700										145
150	32.1	265.6	30,100*	41.2	284.7	35,700*	45.9	292.8	39,600*	52.9	302.2	40,700										150
155	28.6	256.9	28,500*	38.4	278.6	33,700*	43.3	287.7	37,300*	50.6	298.2	38,800	57.0	304.3	34,400							155
160	24.5	246.7	27,100*	35.4	271.9	31,800*	40.6	282.0	35,200*	48.2	293.9	37,100	54.8	300.8	32,900							160
165	19.6	234.0	25,700*	32.1	264.2	30,100*	37.8	275.8	33,300*	45.7	289.1	35,500	52.5	297.1	31,400							165
170	13.1	216.4	22,800*	28.5	255.5	28,600*	34.7	268.9	31,500*	43.1	283.9	33,900	50.2	293.0	30,000							170
175				24.5	245.3	27,100*	31.4	261.0	29,800*	40.4	278.3	32,500	47.8	288.6	28,700							175
180				19.6	232.6	25,700*	27.7	252.0	28,300*	37.6	272.0	31,100	45.4	283.8	27,400	52.0	290.3	23,800				180
185				13.0	215.0	24,000*	23.5	241.4	26,800*	34.5	265.0	29,900	42.8	278.5	26,300	49.7	286.2	22,800				185
190							18.3	228.0	25,400*	31.1	257.1	28,600	40.0	272.8	25,200	47.3	281.7	21,800				190
195							11.1	208.3	24,000*	27.4	248.0	27,500	37.1	266.4	24,100	44.8	276.8	20,800				195
200										23.1	237.2	26,400	34.0	259.3	23,100	42.1	271.4	19,900				200
205										17.9	223.5	25,300	30.6	251.3	22,200	39.4	265.5	19,100	46.4	273.0	16,100	205
210										10.3	202.9	24,100*	26.9	242.0	21,300	36.4	259.0	18,300	43.9	267.9	15,400	210
215													22.5	230.8	20,400	33.3	251.7	17,500	41.2	262.4	14,700	215
220													17.1	216.6	19,600	29.8	243.4	16,800	38.4	256.3	14,000	220
225													8.8	193.9	18,800	25.9	233.7	16,100	35.4	249.5	13,400	225
230																21.3	222.0	15,400	32.1	241.9	12,800	230
235																15.5	206.6	14,700	28.5	233.2	12,200	235
240																5.0	177.7	14,000	24.4	222.9	11,600	240
245																			19.5	210.2	11,100	245
250																			12.9	192.5	10,500	250

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

170 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	345.2	69,100*																			60
65	72.9	343.7	67,400*																			65
70	71.1	342.0	65,500*																			70
75	69.4	340.2	63,600*																			75
80	67.5	338.1	61,400*																			80
85	65.7	335.9	59,200*																			85
90	63.8	333.5	56,900*	69.3	338.9	70,400*																90
95	61.9	330.9	54,500*	67.5	336.8	68,300*																95
100	60.0	328.1	52,100*	65.7	334.6	66,100*																100
105	58.0	325.0	49,700*	63.8	332.2	63,900*	67.1	335.0	64,200*													105
110	56.0	321.7	47,300*	61.9	329.6	60,200*	65.3	332.7	62,300*													110
115	53.9	318.2	44,900*	60.0	326.8	55,800*	63.4	330.3	60,400*													115
120	51.8	314.3	42,400*	58.0	323.7	51,900*	61.5	327.6	58,500*													120
125	49.6	310.2	39,800*	56.0	320.4	48,400*	59.5	324.7	55,000*													125
130	47.3	305.7	37,400*	53.9	316.9	45,300*	57.6	321.6	51,200*													130
135	45.0	300.8	35,300*	51.8	313.0	42,400*	55.5	318.3	47,700*	61.4	324.0	46,900										135
140	42.5	295.5	33,300*	49.6	308.9	39,900*	53.5	314.6	44,600*	59.4	321.2	44,600										140
145	39.9	289.7	31,500*	47.3	304.4	37,500*	51.3	310.7	41,900*	57.4	318.0	42,400										145
150	37.2	283.3	29,800*	45.0	299.5	35,300*	49.1	306.5	39,300*	55.4	314.7	40,400										150
155	34.3	276.3	28,200*	42.5	294.2	33,400*	46.8	301.9	37,000*	53.3	311.0	38,500										155
160	31.2	268.4	26,800*	39.9	288.4	31,500*	44.4	297.0	34,900*	51.2	307.1	36,800	57.1	312.9	32,500							160
165	27.7	259.3	25,400*	37.2	282.0	29,800*	42.0	291.5	33,000*	48.9	302.8	35,100	55.1	309.5	31,000							165
170	23.7	248.7	24,100*	34.3	274.9	28,300*	39.4	285.6	31,200*	46.7	298.2	33,600	53.0	305.8	29,600							170
175	19.0	235.7	22,900*	31.1	267.0	26,800*	36.6	279.1	29,500*	44.3	293.2	32,200	50.8	301.9	28,300							175
180	12.7	217.5	20,300*	27.7	258.0	25,400*	33.6	271.9	27,900*	41.8	287.8	30,800	48.6	297.6	27,100							180
185				23.7	247.4	24,100*	30.4	263.8	26,500*	39.2	281.8	29,600	46.3	292.9	26,000	52.5	299.1	22,400				185
190				19.0	234.3	22,900*	26.8	254.4	25,100*	36.4	275.3	28,400	43.9	287.9	24,900	50.3	295.0	21,400				190
195				12.6	216.1	21,400*	22.7	243.4	23,900*	33.4	268.0	27,200	41.4	282.3	23,800	48.1	290.7	20,500				195
200							17.8	229.5	22,700*	30.2	259.8	26,100	38.8	276.3	22,900	45.8	285.9	19,600				200
205							10.7	209.2	21,400*	26.6	250.3	25,100*	36.0	269.7	21,900	43.4	280.8	18,800				205
210										22.4	239.1	23,800*	33.0	262.3	21,000	40.8	275.1	18,000	47.3	282.0	15,000	210
215										17.4	225.0	22,600*	29.7	253.9	20,200	38.1	269.0	17,200	45.0	277.1	14,400	215
220										10.0	203.8	21,500*	26.0	244.3	19,400	35.3	262.2	16,500	42.5	271.8	13,700	220
225													21.8	232.7	18,600	32.2	254.6	15,800	39.9	266.0	13,100	225
230													16.5	218.0	17,800	28.9	245.9	15,100	37.2	259.7	12,500	230
235													8.5	194.6	17,100	25.1	235.9	14,500	34.3	252.6	11,900	235
240																20.7	223.8	13,900	31.1	244.7	11,400	240
245																15.1	207.9	13,300	27.6	235.6	10,800	245
250																4.9	178.1	12,600	23.7	225.0	10,300	250
255																			18.9	211.9	9,800	255
260																			12.5	193.6	9,300	260

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

170 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
60	75.6	355.5	63,700*																			60
65	73.9	354.1	62,400*																			65
70	72.2	352.6	60,900*																			70
75	70.5	350.8	59,200*																			75
80	68.8	348.9	57,500*																			80
85	67.1	346.9	55,700*																			85
90	65.4	344.6	53,700*	70.5	349.5	66,000*																90
95	63.6	342.2	51,700*	68.8	347.6	65,000*																95
100	61.8	339.6	49,700*	67.1	345.6	63,500*																100
105	60.0	336.8	47,600*	65.4	343.3	61,500*																105
110	58.1	333.7	45,500*	63.6	340.9	59,600*	66.7	343.7	59,700*													110
115	56.2	330.4	43,400*	61.8	338.3	55,300*	65.0	341.4	58,000*													115
120	54.3	326.9	41,400*	60.0	335.4	51,400*	63.2	338.9	56,300*													120
125	52.3	323.1	39,300*	58.1	332.4	47,900*	61.4	336.3	54,400*													125
130	50.2	319.1	36,900*	56.2	329.1	44,700*	59.6	333.4	50,600*													130
135	48.1	314.7	34,800*	54.3	325.6	41,900*	57.7	330.3	47,200*													135
140	45.9	309.9	32,800*	52.3	321.8	39,300*	55.8	327.0	44,100*	61.3	332.7	44,000										140
145	43.6	304.8	30,900*	50.2	317.7	37,000*	53.8	323.4	41,300*	59.4	329.8	41,800										145
150	41.3	299.3	29,300*	48.1	313.3	34,800*	51.8	319.5	38,800*	57.6	326.7	39,800										150
155	38.8	293.2	27,700*	45.9	308.6	32,800*	49.8	315.4	36,500*	55.7	323.4	37,900										155
160	36.1	286.6	26,200*	43.6	303.5	31,000*	47.6	310.9	34,400*	53.7	319.8	36,200										160
165	33.3	279.3	24,900*	41.2	298.0	29,300*	45.4	306.1	32,400*	51.7	315.9	34,600	57.3	321.6	30,400							165
170	30.2	271.1	23,600*	38.8	291.9	27,700*	43.1	300.9	30,600*	49.6	311.7	33,000	55.4	318.2	29,000							170
175	26.9	261.7	22,400*	36.1	285.3	26,300*	40.7	295.3	29,000*	47.5	307.2	31,600	53.4	314.6	27,700							175
180	23.0	250.8	21,200*	33.3	277.9	24,900*	38.2	289.1	27,400*	45.3	302.4	30,300	51.4	310.7	26,500							180
185	18.5	237.3	20,200*	30.2	269.7	23,600*	35.5	282.3	26,000*	43.0	297.2	29,000	49.3	306.5	25,300							185
190	12.3	218.6	17,800*	26.8	260.4	22,400*	32.6	274.8	24,600*	40.5	291.5	27,800	47.2	302.0	24,300	52.9	307.9	20,800				190
195				23.0	249.4	21,300*	29.5	266.4	23,400*	38.0	285.3	26,700	44.9	297.1	23,200	50.9	303.9	19,900				195
200				18.4	235.9	20,200*	26.1	256.7	22,200*	35.3	278.5	25,600	42.6	291.8	22,300	48.8	299.6	19,000				200
205				12.2	217.1	18,900*	22.1	245.3	21,100*	32.4	270.9	24,500*	40.2	286.0	21,300	46.7	295.0	18,100				205
210							17.3	231.0	20,000*	29.3	262.4	23,300*	37.6	279.7	20,500	44.4	290.0	17,400				210
215							10.4	210.1	18,900*	25.8	252.6	22,100*	34.9	272.8	19,600	42.1	284.6	16,600				215
220										21.8	241.1	21,000*	32.0	265.1	18,800	39.6	278.8	15,900	45.9	286.3	13,000	220
225										16.9	226.5	19,900*	28.8	256.5	18,100	37.0	272.3	15,200	43.6	281.2	12,400	225
230										9.7	204.6	18,900*	25.3	246.5	17,300	34.3	265.3	14,500	41.2	275.6	11,800	230
235													21.2	234.6	16,600	31.3	257.4	13,900	38.7	269.6	11,300	235
240													16.1	219.4	15,900	28.0	248.4	13,300	36.1	262.9	10,700	240
245													8.2	195.3	15,200	24.4	238.1	12,700	33.3	255.6	10,200	245
250																20.1	225.6	12,100	30.2	247.4	9,700	250
255																14.6	209.2	11,600	26.8	238.0	9,200	255
260																4.7	178.5	11,000	23.0	227.0	8,800	260
265																			18.4	213.5	8,300	265
270																			12.2	194.7	7,800	270

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

170 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	364.5	57,500*																			65
70	73.2	363.1	56,200*																			70
75	71.6	361.4	55,000*																			75
80	70.0	359.7	53,600*																			80
85	68.4	357.7	52,100*																			85
90	66.8	355.6	50,500*																			90
95	65.1	353.3	48,900*																			95
100	63.4	350.9	47,100*	70.0	358.3	59,300*																100
105	61.7	348.2	45,400*	68.4	356.4	57,600*																105
110	60.0	345.4	43,600*	66.8	354.3	55,800*																110
				65.1	352.0	54,000*	68.0	354.6	56,400*													
115	58.2	342.4	41,800*	63.4	349.6	52,000*	66.4	352.4	54,800*													115
120	56.4	339.1	40,000*	61.7	346.9	50,000*	64.7	350.1	53,200*													120
125	54.6	335.6	38,200*	60.0	344.1	48,100*	63.0	347.6	51,300*													125
130	52.7	331.9	36,500*	58.2	341.1	44,900*	61.3	344.9	49,500*													130
135	50.8	327.9	34,700*	56.4	337.8	42,000*	59.6	342.1	47,400*													135
140	48.8	323.6	32,600*	54.6	334.3	39,300*	57.8	339.0	44,300*	62.9	344.1	43,400										140
145	46.7	319.0	30,800*	52.7	330.6	36,900*	56.0	335.7	41,400*	61.2	341.4	41,300										145
150	44.6	314.1	29,100*	50.8	326.6	34,700*	54.2	332.1	38,800*	59.5	338.5	39,300										150
155	42.4	308.7	27,500*	48.8	322.3	32,700*	52.3	328.3	36,400*	57.7	335.4	37,400										155
160	40.1	302.9	26,000*	46.7	317.7	30,800*	50.3	324.3	34,300*	55.9	332.1	35,700										160
165	37.7	296.7	24,600*	44.6	312.7	29,100*	48.3	319.9	32,300*	54.0	328.5	34,100										165
170	35.1	289.8	23,300*	42.4	307.4	27,500*	46.3	315.2	30,500*	52.1	324.7	32,500	57.4	330.3	28,400							170
175	32.4	282.2	22,100*	40.1	301.6	26,000*	44.1	310.2	28,800*	50.2	320.6	31,100	55.6	326.9	27,200							175
180	29.4	273.7	20,900*	37.7	295.3	24,600*	41.9	304.8	27,200*	48.2	316.2	29,800	53.8	323.3	25,900							180
185	26.1	264.0	19,900*	35.1	288.4	23,300*	39.6	298.9	25,700*	46.1	311.5	28,500	51.9	319.5	24,800							185
190	22.4	252.7	18,800*	32.4	280.8	22,100*	37.1	292.5	24,300*	44.0	306.5	27,300	49.9	315.4	23,700							190
195	17.9	238.8	17,800*	29.4	272.4	21,000*	34.5	285.5	23,100*	41.7	301.0	26,200	47.9	311.0	22,700							195
200	11.9	219.6	15,600*	26.1	262.7	19,900*	31.7	277.7	21,900*	39.4	295.1	25,100	45.8	306.2	21,700	51.4	312.7	18,400				200
205				22.4	251.4	18,900*	28.7	269.0	20,700*	36.9	288.6	24,100	43.7	301.1	20,800	49.5	308.5	17,600				205
210				17.9	237.5	17,900*	25.3	259.0	19,700*	34.3	281.6	23,000*	41.4	295.6	19,900	47.4	304.0	16,800				210
215				11.9	218.2	16,600*	21.5	247.2	18,700*	31.5	273.7	21,800*	39.1	289.6	19,100	45.3	299.2	16,100				215
220							16.8	232.5	17,700*	28.5	264.9	20,700*	36.6	283.1	18,300	43.2	294.0	15,300				220
225							10.1	210.9	16,700*	25.1	254.9	19,600*	33.9	275.9	17,600	40.9	288.4	14,700	46.7	295.4	11,900	225
230										21.2	242.9	18,600*	31.1	267.9	16,800	38.5	282.3	14,000	44.6	290.4	11,300	230
235										16.4	227.9	17,700*	28.0	259.0	16,100	36.0	275.6	13,400	42.4	285.1	10,700	235
240										9.5	205.4	16,800*	24.6	248.7	15,500	33.3	268.2	12,800	40.1	279.3	10,200	240
245													20.6	236.4	14,800	30.4	260.1	12,200	37.7	273.0	9,700	245
250													15.6	220.7	14,200	27.3	250.9	11,700	35.1	266.1	9,200	250
255													8.0	196.0	13,600	23.7	240.2	11,100	32.3	258.5	8,700	255
260																19.5	227.3	10,600	29.4	250.0	8,300	260
265																14.2	210.4	10,100	26.1	240.3	7,800	265
270																4.6	178.9	9,500	22.3	229.0	7,400	270
275																			17.9	215.1	7,000	275
280																			11.8	195.7	6,500	280

MANITOWOC CRANES, INC.

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M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

170 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
65	75.6	374.9	53,000*																			65
70	74.1	373.5	52,000*																			70
75	72.6	372.0	51,000*																			75
80	71.1	370.3	49,800*																			80
85	69.5	368.5	48,600*																			85
90	68.0	366.5	47,300*																			90
95	66.4	364.3	45,900*																			95
100	64.9	362.0	44,500*	69.5	367.2	53,200*																100
105	63.3	359.6	43,000*	68.0	365.2	51,500*																105
110	61.6	356.9	41,500*	66.4	363.0	49,700*																110
115	60.0	354.1	39,900*	64.8	360.7	47,900*	67.6	363.3	50,400*													115
120	58.3	351.0	38,400*	63.2	358.3	45,900*	66.1	361.1	48,800*													120
125	56.6	347.8	36,800*	61.6	355.6	44,000*	64.5	358.8	47,100*													125
130	54.9	344.4	35,300*	60.0	352.8	42,100*	62.9	356.3	45,300*													130
135	53.1	340.7	33,800*	58.3	349.7	40,200*	61.3	353.6	43,500*													135
140	51.3	336.7	32,100*	56.6	346.5	38,400*	59.6	350.7	41,700*													140
145	49.4	332.5	30,200*	54.9	343.0	36,300*	57.9	347.6	39,800*	62.8	352.7	40,700										145
150	47.5	328.0	28,500*	53.1	339.4	34,100*	56.2	344.4	38,200*	61.2	350.0	38,700										150
155	45.5	323.2	26,900*	51.3	335.4	32,100*	54.5	340.9	35,900*	59.5	347.1	36,800										155
160	43.4	318.1	25,400*	49.4	331.2	30,200*	52.7	337.1	33,700*	57.8	344.1	35,100										160
165	41.3	312.5	24,000*	47.5	326.7	28,500*	50.8	333.1	31,700*	56.1	340.8	33,500										165
170	39.0	306.5	22,700*	45.5	321.9	26,900*	49.0	328.9	29,900*	54.3	337.2	32,000										170
175	36.7	300.0	21,500*	43.4	316.7	25,500*	47.0	324.3	28,200*	52.6	333.5	30,500	57.6	339.0	26,500							175
180	34.2	292.9	20,400*	41.3	311.2	24,100*	45.0	319.4	26,600*	50.7	329.5	29,200	55.9	335.6	25,300							180
185	31.5	285.0	19,300*	39.0	305.2	22,800*	42.9	314.2	25,200*	48.8	325.2	28,000	54.1	332.1	24,200							185
190	28.6	276.3	18,300*	36.7	298.7	21,600*	40.8	308.5	23,800*	46.9	320.6	26,800	52.3	328.3	23,100							190
195	25.4	266.3	17,300*	34.2	291.5	20,400*	38.5	302.4	22,500*	44.9	315.7	25,700	50.5	324.2	22,100							195
200	21.8	254.7	16,400*	31.5	283.7	19,300*	36.1	295.8	21,300*	42.8	310.4	24,600	48.6	319.9	21,100							200
205	17.5	240.4	15,500*	28.6	274.9	18,300*	33.6	288.5	20,200*	40.6	304.7	23,600	46.6	315.3	20,200	51.9	321.5	16,900				205
210	11.6	220.6	13,500*	25.4	264.9	17,400*	30.9	280.4	19,100*	38.4	298.6	22,400*	44.6	310.3	19,400	50.0	317.4	16,200				210
215				21.8	253.3	16,500*	28.0	271.4	18,100*	36.0	291.9	21,300*	42.5	305.0	18,500	48.1	313.0	15,400				215
220				17.4	239.0	15,600*	24.7	261.2	17,200*	33.4	284.6	20,100*	40.3	299.3	17,700	46.1	308.3	14,700				220
225				11.6	219.1	14,500*	20.9	249.1	16,300*	30.7	276.5	19,100*	38.0	293.0	17,000	44.1	303.3	14,000				225
230							16.3	233.9	15,400*	27.7	267.4	18,100*	35.6	286.3	16,300	42.0	297.9	13,400	47.4	304.4	10,600	230
235							9.8	211.8	14,500*	24.4	257.0	17,100*	33.1	278.9	15,600	39.8	292.0	12,800	45.5	299.6	10,100	235
240										20.6	244.7	16,200*	30.3	270.6	14,900	37.5	285.7	12,200	43.4	294.4	9,500	240
245										16.0	229.3	15,400*	27.3	261.4	14,300	35.0	278.8	11,600	41.2	288.8	9,000	245
250										9.2	206.2	14,600*	23.9	250.8	13,700	32.4	271.2	11,100	39.0	282.8	8,500	250
255													20.0	238.2	13,100	29.6	262.7	10,500	36.7	276.3	8,100	255
260													15.2	222.1	12,500	26.5	253.2	10,000	34.2	269.2	7,600	260
265													7.8	196.6	11,900	23.1	242.2	9,500	31.5	261.3	7,200	265
270																19.0	229.0	9,100	28.6	252.5	6,800	270
275																13.8	211.6	8,600	25.4	242.6	6,400	275
280																4.5	179.2	8,100	21.8	230.9	6,000	280
285																			17.4	216.6	5,600	285
290																			11.5	196.7	5,200	290

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

180 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	65.0	254.4	133,000*b																			45
50	60.3	251.7	126,000*b																			50
55	55.4	248.4	119,700*b																			55
60	50.2	244.5	113,800*b	65.7	253.4	124,800*b																60
65	44.5	239.7	101,300*	61.1	250.8	117,900*b																65
70	38.2	233.8	91,200*	56.2	247.7	111,400*b	65.2	251.7	114,600*b													70
75	30.8	226.2	82,700*	51.1	243.8	105,400*b	60.6	249.0	108,600*b													75
80	21.0	215.4	75,500*	45.5	239.2	99,900*	55.7	245.8	103,000*b													80
85				39.3	233.5	92,800*	50.5	241.9	97,800*b													85
90				32.1	226.3	84,100*	44.8	237.1	92,900*	61.0	245.7	86,800b										90
95				22.9	216.3	77,000*	38.6	231.3	88,300	56.2	242.6	80,800b										95
100				3.1	192.7	67,500*	31.2	223.9	82,600	51.0	238.7	75,600b										100
105							21.6	213.3	76,200*	45.4	234.1	70,900										105
110										39.2	228.4	66,700	56.3	237.8	60,500b							110
115										32.0	221.1	62,900	51.2	234.0	57,100							115
120										22.8	211.0	59,400	45.6	229.3	53,900							120
125													39.4	223.7	51,100							125
130													32.2	216.5	48,400	50.8	227.5	43,600				130
135													23.1	206.5	46,000	45.2	222.8	41,400				135
140													4.1	183.9	43,500	38.9	217.0	39,400				140
145																31.6	209.7	37,500				145
150																22.3	199.4	35,700	44.0	214.3	31,800	150
155																			37.6	208.3	30,300	155
160																			30.1	200.6	28,900	160
165																			20.0	189.3	27,600	165

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

180 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	68.3	265.4	128,100*b																			45
50	64.3	263.1	121,700*b																			50
55	60.3	260.4	115,800*b																			55
60	56.0	257.1	110,300*	68.9	264.4	120,400*b																60
65	51.5	253.3	101,900*	65.0	262.1	114,100*b																65
70	46.7	248.9	91,600*	61.0	259.5	108,100*b																70
75	41.5	243.5	83,100*	56.7	256.3	102,600*	64.6	260.4	105,300*b													75
80	35.6	237.0	75,900*	52.3	252.7	97,400*	60.5	257.7	100,100*b													80
85	28.7	228.8	69,700*	47.5	248.3	92,500*	56.2	254.5	95,200*													85
90	19.6	217.1	64,300*	42.4	243.1	84,500*	51.8	250.7	90,600*													90
95				36.6	236.9	77,300*	47.0	246.3	86,300*	60.9	254.4	80,200b										95
100				29.9	229.0	70,900*	41.8	241.0	82,200	56.7	251.3	75,000										100
105				21.4	218.1	65,400*	35.9	234.6	76,500*	52.2	247.6	70,300										105
110				2.8	192.8	58,200*	29.1	226.5	70,300*	47.5	243.2	66,100										110
115							20.2	215.1	64,800*	42.3	238.0	62,400	56.8	246.5	56,400							115
120										36.5	231.7	58,900	52.3	242.8	53,300							120
125										29.8	223.8	55,800	47.6	238.4	50,500							125
130										21.2	212.9	52,900	42.4	233.3	47,900							130
135													36.7	227.0	45,500	52.0	236.3	40,700				135
140													30.0	219.1	43,200	47.2	231.9	38,700				140
145													21.5	208.3	41,200	42.1	226.7	36,800				145
150													3.7	184.2	39,100	36.3	220.3	35,100				150
155																29.5	212.3	33,500	46.3	223.5	29,600	155
160																20.7	201.2	32,000	41.0	218.1	28,200	160
165																			35.1	211.5	27,000	165
170																			28.0	203.1	25,800	170
175																			18.6	190.9	24,600	175

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

180 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	70.8	276.1	123,500*b																			45
50	67.4	274.1	117,500*b																			50
55	63.9	271.8	112,000*b																			55
60	60.2	269.0	106,900*																			60
65	56.5	265.8	102,100*	68.0	273.1	110,300*b																65
70	52.5	262.2	91,900*	64.5	270.8	104,900*b																70
75	48.3	257.9	83,300*	60.9	268.1	99,700*	67.6	271.4	101,500*b													75
80	43.8	252.9	76,100*	57.1	265.0	94,900*	64.1	269.1	96,800*b													80
85	38.9	247.1	69,900*	53.2	261.4	90,400*	60.4	266.3	92,300*													85
90	33.4	240.1	64,500*	49.0	257.3	84,700*	56.7	263.2	88,100*													90
95	27.0	231.2	59,800*	44.6	252.5	77,300*	52.7	259.5	84,100*													95
100	18.4	218.7	55,600*	39.8	246.8	70,900*	48.6	255.3	80,300*	60.8	263.1	74,400										100
105				34.4	240.0	65,500*	44.1	250.4	76,700*	57.0	260.0	69,800										105
110				28.1	231.5	60,700*	39.2	244.6	70,400*	53.1	256.4	65,600										110
115				20.1	219.9	56,400*	33.8	237.6	65,000*	49.0	252.2	61,900										115
120				2.6	193.0	50,700*	27.3	228.9	60,200*	44.6	247.4	58,500	57.1	255.1	52,700							120
125							19.0	216.7	56,000*	39.7	241.7	55,400	53.2	251.6	49,900							125
130										34.3	234.8	52,600	49.1	247.4	47,300							130
135										28.0	226.3	50,000	44.7	242.6	45,000							135
140										19.9	214.6	47,500	39.9	236.9	42,800	52.9	245.1	38,100				140
145													34.5	230.1	40,800	48.8	240.9	36,300				145
150													28.2	221.7	38,900	44.3	236.0	34,600				150
155													20.2	210.1	37,100	39.5	230.3	33,000				155
160													3.5	184.4	35,300	34.1	223.4	31,500	48.0	232.6	27,700	160
165																27.7	214.8	30,100	43.5	227.6	26,400	165
170																19.5	202.9	28,800	38.5	221.6	25,300	170
175																			33.0	214.5	24,200	175
180																			26.4	205.4	23,100	180
185																			17.5	192.4	22,100	185

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

180 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	72.8	286.7	118,600*b																			45
50	69.8	284.9	113,200*b																			50
55	66.7	282.8	108,100*b																			55
60	63.5	280.4	103,300*																			60
65	60.2	277.7	98,900*	70.3	283.9	106,300*b																65
70	56.8	274.5	91,900*	67.2	281.8	101,300*b																70
75	53.3	270.9	83,300*	64.0	279.5	96,600*																75
80	49.6	266.8	76,000*	60.8	276.8	92,200*	66.8	280.1	94,000*b													80
85	45.7	262.2	69,700*	57.4	273.7	87,900*	63.7	277.7	89,900*													85
90	41.5	256.8	64,300*	53.9	270.2	84,000*	60.4	275.0	85,900*													90
95	36.8	250.5	59,600*	50.2	266.2	77,200*	57.0	271.9	82,200*													95
100	31.6	242.9	55,400*	46.3	261.6	70,800*	53.5	268.3	78,600*													100
105	25.5	233.4	51,700*	42.2	256.4	65,400*	49.8	264.2	75,300*	60.7	271.7	69,100										105
110	17.4	220.2	48,400*	37.6	250.2	60,500*	45.9	259.6	70,300*	57.3	268.6	65,000										110
115				32.6	242.9	56,300*	41.7	254.2	64,800*	53.8	265.1	61,300										115
120				26.6	233.8	52,500*	37.1	248.0	60,000*	50.2	261.1	57,900										120
125				19.0	221.5	49,100*	31.9	240.5	55,800*	46.3	256.5	54,800	57.4	263.8	49,200							125
130				2.4	193.1	44,500*	25.9	231.2	52,100*	42.1	251.2	52,000	53.9	260.3	46,700							130
135							17.9	218.3	48,700*	37.6	245.1	49,400	50.3	256.3	44,300							135
140										32.5	237.8	47,000	46.4	251.8	42,200							140
145										26.5	228.7	44,800	42.2	246.5	40,200							145
150										18.9	216.3	42,700	37.7	240.4	38,300	50.0	249.8	33,900				150
155													32.6	233.1	36,600	46.1	245.2	32,300				155
160													26.7	224.0	34,900	41.9	239.9	30,900				160
165													19.1	211.8	33,400	37.4	233.7	29,500				165
170													3.2	184.6	31,800	32.2	226.3	28,200	45.3	236.8	24,600	170
175																26.2	217.1	27,000	41.1	231.4	23,500	175
180																18.4	204.5	25,800	36.4	225.0	22,500	180
185																			31.2	217.3	21,500	185
190																			24.9	207.6	20,500	190
195																			16.6	193.9	19,600	195

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

180 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.4	297.1	113,000*																			45
50	71.7	295.5	108,100*																			50
55	68.9	293.7	103,500*																			55
60	66.1	291.5	99,200*																			60
65	63.2	289.1	95,000*																			65
70	60.2	286.3	89,900*	69.4	292.7	98,500*																70
75	57.1	283.2	84,400*	66.5	290.6	94,100*																75
80	53.9	279.7	78,200*	63.7	288.2	90,000*																80
85	50.6	275.7	71,700*	60.7	285.5	86,000*	66.2	288.8	87,600*													85
90	47.1	271.3	66,100*	57.6	282.4	82,300*	63.3	286.4	84,000*													90
95	43.4	266.2	61,200*	54.5	278.9	78,700*	60.4	283.6	80,400*													95
100	39.4	260.4	56,900*	51.2	275.1	72,800*	57.3	280.5	77,100*													100
105	35.0	253.6	53,100*	47.7	270.7	67,200*	54.1	277.0	73,900*													105
110	30.1	245.6	49,700*	44.0	265.7	62,200*	50.8	273.1	70,800*	60.6	280.4	64,400										110
115	24.3	235.6	46,600*	40.1	260.0	57,800*	47.3	268.7	66,600*	57.6	277.3	60,700										115
120	16.6	221.6	43,800*	35.8	253.5	53,900*	43.6	263.6	61,600*	54.4	273.9	57,300										120
125				31.0	245.7	50,400*	39.6	257.9	57,300*	51.1	270.0	54,300										125
130				25.3	236.1	47,200*	35.3	251.2	53,500*	47.7	265.6	51,500	57.7	272.5	46,000							130
135				18.1	223.1	44,400*	30.4	243.2	50,000*	44.0	260.6	48,900	54.5	269.1	43,700							135
140				2.2	193.2	38,000*	24.6	233.3	46,900*	40.0	254.9	46,500	51.2	265.2	41,600							140
145							17.1	219.7	44,100*	35.7	248.3	44,300	47.8	260.8	39,600							145
150										30.9	240.5	42,300	44.1	255.8	37,700							150
155										25.2	230.9	40,400	40.1	250.2	36,000	51.0	258.7	31,700				155
160										18.0	217.8	38,600	35.9	243.6	34,400	47.5	254.3	30,300				160
165													31.0	235.9	32,900	43.8	249.3	28,900				165
170													25.4	226.3	31,500	39.9	243.6	27,700				170
175													18.2	213.3	30,100	35.5	236.9	26,500	46.8	245.9	22,900	175
180													3.0	184.8	28,700	30.7	229.1	25,300	43.1	240.8	21,800	180
185																25.0	219.3	24,200	39.1	234.9	20,900	185
190																17.6	206.0	23,200	34.7	228.1	20,000	190
195																			29.7	219.9	19,100	195
200																			23.7	209.7	18,300	200
205																			15.8	195.2	17,500	205

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

180 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.7	307.5	106,000*																			45
50	73.3	306.1	102,700*																			50
55	70.7	304.4	98,900*																			55
60	68.2	302.5	94,700*																			60
65	65.6	300.3	90,200*																			65
70	62.9	297.8	85,500*																			70
75	60.2	295.0	80,800*	68.6	301.4	90,800*																75
80	57.4	291.9	76,100*	66.0	299.3	87,000*																80
85	54.5	288.4	71,300*	63.4	296.8	83,400*																85
90	51.4	284.6	65,700*	60.6	294.1	79,900*	65.7	297.5	81,200*													90
95	48.3	280.3	60,800*	57.8	291.1	76,600*	63.0	295.1	78,000*													95
100	45.0	275.4	56,500*	55.0	287.7	72,400*	60.3	292.3	74,900*													100
105	41.4	270.0	52,700*	52.0	283.9	66,700*	57.5	289.2	71,900*													105
110	37.6	263.8	49,300*	48.8	279.7	61,700*	54.6	285.8	69,100*													110
115	33.5	256.6	46,200*	45.5	274.9	57,300*	51.6	281.9	66,200*	60.6	289.0	60,000										115
120	28.8	248.2	43,400*	42.1	269.6	53,400*	48.5	277.7	61,200*	57.8	286.0	56,700										120
125	23.2	237.6	40,900*	38.3	263.5	49,900*	45.2	272.9	56,900*	54.9	282.6	53,600										125
130	15.8	223.0	38,500*	34.2	256.6	46,800*	41.6	267.5	53,000*	51.9	278.8	50,900										130
135				29.6	248.3	44,000*	37.9	261.3	49,600*	48.8	274.5	48,300	57.9	281.2	43,000							135
140				24.2	238.2	41,400*	33.7	254.2	46,500*	45.5	269.8	46,000	55.0	277.8	40,900							140
145				17.3	224.6	39,000*	29.0	245.8	43,700*	42.0	264.5	43,800	52.0	274.0	38,900							145
150				2.1	193.3	33,600*	23.5	235.4	41,100*	38.2	258.4	41,800	48.9	269.8	37,100							150
155							16.3	221.1	38,800*	34.1	251.4	39,900	45.6	265.0	35,400							155
160										29.5	243.2	38,100	42.1	259.7	33,800	51.8	267.5	29,600				160
165										24.1	233.0	36,400	38.3	253.7	32,300	48.6	263.3	28,200				165
170										17.2	219.3	34,900	34.3	246.7	30,900	45.3	258.5	27,000				170
175													29.7	238.5	29,600	41.8	253.1	25,800				175
180													24.3	228.4	28,300	38.1	247.0	24,700	48.0	255.0	21,100	180
185													17.4	214.8	27,100	33.9	240.0	23,600	44.7	250.1	20,200	185
190													2.9	185.0	25,900	29.3	231.7	22,600	41.1	244.6	19,300	190
195																23.9	221.4	21,700	37.3	238.3	18,500	195
200																16.8	207.4	20,700	33.1	231.1	17,700	200
205																			28.4	222.5	16,900	205
210																			22.7	211.7	16,100	210
215																			15.0	196.5	15,400	215

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

180 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.6	316.5	95,100*																			50
55	72.3	315.0	92,100*																			55
60	69.9	313.2	88,700*																			60
65	67.6	311.2	85,000*																			65
70	65.1	309.0	81,100*																			70
75	62.7	306.4	77,100*	70.3	312.2	87,600*																75
80	60.2	303.7	73,000*	68.0	310.2	84,200*																80
85	57.6	300.6	68,900*	65.6	308.0	80,800*																85
90	54.9	297.1	64,900*	63.1	305.5	77,700*	67.7	308.5	78,600*													90
95	52.1	293.4	60,700*	60.6	302.8	74,600*	65.3	306.2	75,700*													95
100	49.3	289.2	56,400*	58.0	299.7	71,600*	62.8	303.7	72,800*													100
105	46.3	284.6	52,600*	55.4	296.4	66,600*	60.3	301.0	70,100*													105
110	43.1	279.4	49,100*	52.6	292.7	61,500*	57.7	297.9	67,400*													110
115	39.7	273.6	46,100*	49.8	288.6	57,200*	55.0	294.5	64,800*													115
120	36.1	267.1	43,300*	46.8	284.0	53,300*	52.3	290.7	61,100*	60.5	297.7	56,400										120
125	32.1	259.5	40,700*	43.6	279.0	49,800*	49.4	286.6	56,800*	58.0	294.7	53,300										125
130	27.6	250.6	38,400*	40.3	273.3	46,700*	46.4	282.0	52,900*	55.3	291.3	50,600										130
135	22.3	239.6	36,300*	36.7	266.9	43,800*	43.3	276.9	49,400*	52.6	287.6	48,000										135
140	15.2	224.3	34,300*	32.8	259.5	41,200*	39.9	271.1	46,300*	49.7	283.5	45,700	58.0	289.9	40,600							140
145				28.4	250.9	38,900*	36.3	264.6	43,500*	46.7	278.9	43,500	55.4	286.5	38,600							145
150				23.2	240.3	36,700*	32.3	257.1	41,000*	43.6	273.8	41,500	52.6	282.8	36,800							150
155				16.6	226.0	34,700*	27.9	248.3	38,700*	40.3	268.2	39,600	49.8	278.7	35,100							155
160				2.0	193.4	30,000*	22.6	237.4	36,500*	36.7	261.7	37,900	46.8	274.1	33,500							160
165							15.6	222.5	34,500*	32.7	254.4	36,300	43.7	269.1	32,000	52.4	276.3	27,900				165
170										28.3	245.7	34,700	40.3	263.4	30,700	49.6	272.2	26,700				170
175										23.1	235.1	33,300	36.8	257.0	29,400	46.6	267.6	25,500				175
180										16.5	220.7	31,900	32.8	249.7	28,100	43.4	262.5	24,400				180
185													28.5	241.0	27,000	40.1	256.8	23,400				185
190													23.3	230.5	25,900	36.5	250.3	22,400	46.0	259.2	19,000	190
195													16.7	216.3	24,800	32.6	242.9	21,500	42.8	254.0	18,200	195
200													2.7	185.1	23,700	28.1	234.2	20,600	39.4	248.2	17,400	200
205																22.9	223.4	19,700	35.8	241.6	16,600	205
210																16.1	208.8	18,900	31.8	233.9	15,900	210
215																			27.2	224.9	15,200	215
220																			21.8	213.6	14,600	220
225																			14.4	197.8	13,900	225

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

180 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.7	326.9	87,700*																			50
55	73.6	325.5	85,300*																			55
60	71.4	323.8	82,600*																			60
65	69.3	322.0	79,600*																			65
70	67.0	319.9	76,400*																			70
75	64.8	317.6	73,100*																			75
80	62.5	315.1	69,600*	69.6	321.0	81,600*																80
85	60.1	312.3	66,100*	67.4	318.9	78,600*																85
90	57.7	309.2	62,600*	65.2	316.7	75,700*																90
95	55.3	305.9	59,100*	62.9	314.2	72,800*	67.2	317.2	73,500*													95
100	52.7	302.2	55,700*	60.5	311.4	70,000*	64.9	314.9	70,900*													100
105	50.1	298.1	52,400*	58.2	308.4	66,800*	62.6	312.4	68,300*													105
110	47.3	293.6	49,100*	55.7	305.1	61,700*	60.3	309.6	65,900*													110
115	44.5	288.7	45,900*	53.2	301.4	57,200*	57.9	306.6	63,400*													115
120	41.4	283.2	43,100*	50.5	297.4	53,300*	55.4	303.2	61,100*	62.8	309.1	55,700										120
125	38.2	277.1	40,500*	47.8	293.0	49,700*	52.9	299.5	56,800*	60.5	306.4	52,700										125
130	34.7	270.2	38,200*	45.0	288.2	46,500*	50.2	295.5	52,900*	58.1	303.3	49,900										130
135	30.9	262.3	36,100*	42.0	282.8	43,700*	47.5	291.0	49,400*	55.7	300.0	47,400										135
140	26.6	253.0	34,000*	38.8	276.8	41,000*	44.6	286.1	46,200*	53.1	296.4	45,100										140
145	21.4	241.4	32,000*	35.3	270.1	38,700*	41.6	280.7	43,400*	50.5	292.3	42,900										145
150	14.6	225.6	30,300*	31.6	262.3	36,500*	38.4	274.6	40,800*	47.8	287.9	40,900	55.7	295.2	36,100							150
155				27.3	253.3	34,500*	34.9	267.8	38,400*	44.9	283.1	39,100	53.2	291.6	34,400							155
160				22.4	242.2	32,600*	31.1	259.9	36,300*	41.9	277.7	37,300	50.6	287.6	32,900							160
165				15.9	227.4	30,900*	26.8	250.7	34,300*	38.7	271.7	35,700	47.8	283.2	31,400							165
170				1.9	193.5	26,700*	21.7	239.3	32,400*	35.3	264.9	34,200	45.0	278.3	30,000	53.0	285.1	26,000				170
175							15.0	223.8	30,700*	31.5	257.2	32,800	42.0	273.0	28,700	50.4	281.1	24,800				175
180										27.3	248.1	31,400	38.8	267.0	27,500	47.6	276.6	23,700				180
185										22.3	237.0	30,100	35.4	260.2	26,400	44.8	271.8	22,700				185
190										15.8	222.1	28,900	31.6	252.5	25,300	41.8	266.4	21,700				190
195													27.4	243.5	24,300	38.6	260.3	20,800	47.1	268.3	17,500	195
200													22.4	232.4	23,300	35.1	253.5	19,900	44.2	263.3	16,700	200
205													16.0	217.7	22,300	31.3	245.7	19,100	41.2	257.8	16,000	205
210													2.6	185.3	21,300	27.1	236.6	18,300	37.9	251.6	15,300	210
215																22.0	225.4	17,500	34.4	244.7	14,600	215
220																15.5	210.2	16,800	30.6	236.7	13,900	220
225																			26.2	227.2	13,300	225
230																			20.9	215.4	12,700	230
235																			13.9	198.9	12,100	235

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

180 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.7	335.9	79,000*																			55
60	72.7	334.4	76,900*																			60
65	70.7	332.7	74,400*																			65
70	68.7	330.8	71,800*																			70
75	66.6	328.7	69,000*																			75
80	64.5	326.3	66,100*	71.0	331.6	78,600*																80
85	62.3	323.8	63,100*	69.0	329.7	75,800*																85
90	60.1	321.0	60,000*	66.9	327.7	73,100*																90
95	57.9	317.9	57,000*	64.8	325.4	70,500*																95
100	55.6	314.6	54,000*	62.7	322.9	68,000*	66.7	325.9	68,500*													100
105	53.2	310.9	51,100*	60.5	320.1	65,500*	64.6	323.6	66,200*													105
110	50.8	307.0	48,200*	58.3	317.1	62,200*	62.4	321.1	63,900*													110
115	48.3	302.6	45,400*	56.0	313.8	57,700*	60.3	318.3	61,700*													115
120	45.6	297.9	42,800*	53.6	310.2	53,600*	58.0	315.2	59,500*													120
125	42.9	292.6	40,300*	51.2	306.3	50,100*	55.7	311.9	57,300*	62.7	317.8	52,100										125
130	40.0	286.9	38,000*	48.7	302.0	46,900*	53.4	308.3	53,300*	60.5	315.0	49,400										130
135	36.8	280.5	35,800*	46.1	297.3	43,900*	50.9	304.3	49,700*	58.2	312.0	46,800										135
140	33.5	273.2	33,700*	43.3	292.2	41,300*	48.4	300.0	46,500*	56.0	308.7	44,500										140
145	29.8	265.0	31,800*	40.5	286.5	38,900*	45.8	295.3	43,600*	53.6	305.1	42,400										145
150	25.6	255.2	30,000*	37.4	280.2	36,700*	43.0	290.1	41,000*	51.2	301.2	40,400										150
155	20.7	243.3	28,400*	34.1	273.1	34,700*	40.1	284.4	38,600*	48.7	296.9	38,500	56.0	303.9	33,800							155
160	14.1	226.8	26,200*	30.4	265.1	32,800*	37.0	278.0	36,500*	46.0	292.2	36,800	53.7	300.3	32,300							160
165				26.4	255.6	31,100*	33.7	270.8	34,500*	43.3	287.1	35,200	51.2	296.4	30,800							165
170				21.6	244.1	29,500*	30.0	262.6	32,600*	40.4	281.4	33,700	48.7	292.1	29,500							170
175				15.4	228.7	28,000*	25.9	253.0	30,900*	37.3	275.1	32,300	46.1	287.5	28,200							175
180				1.8	193.6	22,900*	21.0	241.1	29,300*	34.0	268.0	30,900	43.4	282.3	27,000	51.1	289.9	23,100				180
185							14.5	225.0	27,800*	30.4	259.9	29,600	40.5	276.7	25,800	48.5	285.6	22,100				185
190										26.3	250.4	28,400	37.4	270.4	24,800	45.9	280.9	21,100				190
195										21.5	238.9	27,300	34.1	263.3	23,700	43.2	275.7	20,200				195
200										15.3	223.4	26,200	30.5	255.2	22,800	40.3	270.0	19,400				200
205													26.4	245.8	21,800	37.2	263.7	18,600	45.4	272.5	15,400	205
210													21.6	234.3	21,000	33.9	256.6	17,800	42.6	267.3	14,700	210
215													15.5	219.0	20,100	30.2	248.4	17,000	39.7	261.4	14,000	215
220													2.5	185.5	19,200	26.1	238.9	16,300	36.6	255.0	13,400	220
225																21.2	227.2	15,600	33.2	247.7	12,800	225
230																14.9	211.4	14,900	29.5	239.3	12,200	230
235																			25.2	229.4	11,600	235
240																			20.2	217.2	11,100	240
245																			13.4	200.1	10,500	245

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

180 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.7	346.2	73,000*																			55
60	73.8	344.8	71,300*																			60
65	71.9	343.3	69,300*																			65
70	70.0	341.5	67,200*																			70
75	68.1	339.5	64,900*																			75
80	66.2	337.4	62,400*																			80
85	64.2	335.0	59,900*	70.4	340.4	72,800*																85
90	62.2	332.4	57,300*	68.5	338.5	70,400*																90
95	60.1	329.6	54,700*	66.5	336.4	67,900*																95
100	58.0	326.6	52,000*	64.5	334.1	65,600*																100
105	55.9	323.3	49,400*	62.5	331.5	63,400*	66.3	334.7	63,700*													105
110	53.7	319.7	46,900*	60.5	328.8	61,200*	64.3	332.3	61,700*													110
115	51.4	315.8	44,400*	58.4	325.8	57,100*	62.3	329.7	59,700*													115
120	49.1	311.6	42,000*	56.2	322.5	53,100*	60.2	326.9	57,700*													120
125	46.6	307.0	39,600*	54.1	318.9	49,600*	58.1	323.9	55,700*													125
130	44.1	301.9	37,400*	51.8	315.1	46,300*	56.0	320.6	52,700*	62.5	326.5	48,700										130
135	41.4	296.4	35,300*	49.5	310.9	43,400*	53.8	317.0	49,200*	60.4	323.7	46,200										135
140	38.6	290.4	33,400*	47.0	306.4	40,800*	51.5	313.2	46,000*	58.4	320.7	43,900										140
145	35.6	283.7	31,500*	44.5	301.5	38,400*	49.2	309.0	43,100*	56.2	317.4	41,700										145
150	32.4	276.1	29,800*	41.9	296.0	36,200*	46.8	304.4	40,500*	54.0	313.9	39,800										150
155	28.8	267.5	28,200*	39.1	290.1	34,100*	44.2	299.4	38,100*	51.8	310.0	37,900										155
160	24.8	257.4	26,700*	36.1	283.5	32,300*	41.6	293.9	35,900*	49.4	305.8	36,200	56.3	312.6	31,600							160
165	20.0	245.0	25,300*	32.9	276.1	30,500*	38.8	287.9	33,900*	47.0	301.3	34,600	54.1	309.1	30,200							165
170	13.6	227.9	23,100*	29.4	267.7	28,900*	35.8	281.2	32,100*	44.5	296.3	33,100	51.8	305.2	28,800							170
175				25.5	257.9	27,500*	32.6	273.7	30,400*	41.9	290.9	31,700	49.5	301.1	27,500							175
180				20.9	246.0	26,100*	29.0	265.2	28,800*	39.1	285.0	30,400	47.1	296.5	26,300							180
185				14.9	230.0	24,700*	25.0	255.2	27,300*	36.1	278.4	29,100	44.6	291.6	25,200	51.7	298.7	21,400				185
190				1.7	193.7	20,200*	20.3	242.9	25,900*	32.9	271.0	27,900	41.9	286.2	24,100	49.3	294.6	20,500				190
195							14.0	226.2	24,600*	29.4	262.5	26,800	39.1	280.2	23,100	46.9	290.0	19,600				195
200										25.4	252.7	25,700	36.2	273.6	22,200	44.4	285.0	18,700				200
205										20.8	240.7	24,700	33.0	266.3	21,300	41.7	279.6	17,900				205
210										14.8	224.7	23,700	29.5	257.9	20,400	38.9	273.6	17,100	46.4	281.6	14,000	210
215													25.5	248.1	19,600	36.0	267.0	16,400	43.9	276.6	13,300	215
220													20.9	236.2	18,800	32.7	259.5	15,700	41.2	271.0	12,700	220
225													15.0	220.3	18,000	29.2	251.0	15,000	38.4	264.9	12,100	225
230													2.4	185.6	17,100	25.2	241.1	14,400	35.4	258.2	11,500	230
235																20.6	229.0	13,700	32.1	250.5	11,000	235
240																14.4	212.7	13,100	28.5	241.8	10,400	240
245																			24.4	231.6	9,900	245
250																			19.5	218.9	9,400	250
255																			12.9	201.2	8,900	255

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

180 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	355.3	66,100*																			60
65	73.0	353.8	64,500*																			65
70	71.3	352.1	62,700*																			70
75	69.5	350.3	60,900*																			75
80	67.7	348.3	58,900*																			80
85	65.8	346.1	56,700*																			85
90	64.0	343.7	54,500*	69.8	349.2	67,600*																90
95	62.1	341.1	52,300*	68.0	347.3	65,600*																95
100	60.1	338.3	50,000*	66.1	345.1	63,400*																100
105	58.1	335.3	47,700*	64.3	342.8	61,400*	67.8	345.6	61,500*													105
110	56.1	332.0	45,400*	62.4	340.2	59,400*	65.9	343.4	59,600*													110
115	54.1	328.4	43,200*	60.4	337.4	56,800*	64.1	341.0	57,700*													115
120	51.9	324.6	41,000*	58.5	334.4	52,800*	62.2	338.4	55,900*													120
125	49.8	320.5	38,900*	56.5	331.2	49,300*	60.2	335.6	54,100*													125
130	47.5	316.0	36,800*	54.4	327.7	46,000*	58.3	332.6	52,400*													130
135	45.2	311.1	34,900*	52.3	323.9	43,100*	56.2	329.3	48,900*	62.3	335.1	45,800										135
140	42.7	305.9	33,000*	50.1	319.8	40,500*	54.2	325.8	45,700*	60.4	332.3	43,500										140
145	40.1	300.1	31,200*	47.9	315.4	38,100*	52.1	322.0	42,800*	58.5	329.3	41,400										145
150	37.4	293.8	29,600*	45.6	310.6	35,800*	49.9	317.9	40,200*	56.4	326.1	39,400										150
155	34.5	286.8	28,000*	43.1	305.4	33,800*	47.6	313.4	37,800*	54.4	322.6	37,600										155
160	31.4	279.0	26,500*	40.6	299.8	32,000*	45.3	308.6	35,600*	52.3	318.8	35,900										160
165	27.9	270.0	25,100*	37.9	293.5	30,200*	42.8	303.3	33,600*	50.1	314.7	34,300	56.5	321.3	29,800							165
170	24.0	259.5	23,900*	35.0	286.7	28,600*	40.3	297.6	31,800*	47.8	310.3	32,800	54.4	317.8	28,500							170
175	19.4	246.7	22,700*	31.9	279.0	27,100*	37.6	291.3	30,100*	45.5	305.5	31,400	52.3	314.0	27,200							175
180	13.2	229.1	20,600*	28.5	270.2	25,800*	34.7	284.3	28,500*	43.1	300.3	30,100	50.2	309.9	26,000							180
185				24.7	260.1	24,400*	31.6	276.6	27,000*	40.5	294.6	28,800	47.9	305.5	24,900							185
190				20.2	247.7	23,200*	28.1	267.7	25,600*	37.8	288.4	27,600	45.6	300.8	23,800							190
195				14.4	231.3	22,100*	24.2	257.3	24,300*	35.0	281.5	26,500	43.1	295.6	22,800	52.2	307.5	20,100				195
200				1.7	193.8	18,000*	19.6	244.6	23,100*	31.9	273.8	25,500	40.6	289.9	21,900	50.0	303.4	19,200	47.3	290.7	13,000	200
205							13.6	227.4	22,000*	28.5	265.1	24,400	37.9	283.7	21,000	45.4	294.2	17,600	42.5	280.5	11,800	205
210										24.7	254.9	23,500	35.0	276.8	20,100	43.0	289.0	16,800	39.9	274.7	11,200	210
215										20.1	242.5	22,600	32.0	269.1	19,300	40.4	283.3	16,100	37.7	277.0	15,400	215
220										14.3	225.9	21,700	28.6	260.4	18,500	37.7	277.0	15,400	34.8	270.1	14,700	220
225													24.8	250.3	17,800	34.8	270.1	14,700	31.7	262.4	14,100	225
230													20.3	237.9	17,000	31.7	262.4	14,100	28.3	253.6	13,500	230
235													14.5	221.5	16,300	28.3	253.6	13,500	24.5	243.3	12,900	235
240													2.3	185.8	15,600	24.5	243.3	12,900	19.9	230.8	12,300	240
245																19.9	230.8	12,300	17.6	224.3	11,700	245
250																14.0	213.9	11,700	23.7	233.7	8,700	250
255																			18.9	220.5	8,200	255
260																			12.5	202.3	7,800	260
265																						265

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M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

180 FT. BOOM, 180 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	365.6	61,100*																			60
65	74.0	364.2	59,800*																			65
70	72.4	362.7	58,300*																			70
75	70.7	361.0	56,800*																			75
80	69.0	359.1	55,100*																			80
85	67.2	357.0	53,400*																			85
90	65.5	354.8	51,600*	71.0	359.9	63,100*																90
95	63.7	352.4	49,700*	69.3	358.0	62,500*																95
100	61.9	349.8	47,700*	67.5	356.0	60,900*																100
105	60.1	347.0	45,700*	65.8	353.8	59,100*																105
110	58.3	343.9	43,700*	64.0	351.4	57,200*	67.3	354.3	57,200*													110
115	56.4	340.7	41,700*	62.2	348.9	55,400*	65.6	352.1	55,500*													115
120	54.4	337.2	39,800*	60.4	346.1	52,300*	63.8	349.7	53,900*													120
125	52.4	333.4	37,900*	58.6	343.1	48,700*	62.0	347.1	52,200*													125
130	50.4	329.3	36,000*	56.7	339.9	45,400*	60.2	344.3	50,600*													130
135	48.3	325.0	34,200*	54.7	336.4	42,600*	58.4	341.2	48,300*													135
140	46.1	320.3	32,500*	52.8	332.7	39,900*	56.5	338.0	45,100*	62.2	343.8	42,900										140
145	43.8	315.2	30,800*	50.7	328.7	37,500*	54.5	334.5	42,300*	60.4	341.0	40,800										145
150	41.4	309.7	29,200*	48.6	324.4	35,300*	52.5	330.8	39,600*	58.5	338.0	38,800										150
155	38.9	303.7	27,700*	46.4	319.7	33,300*	50.5	326.7	37,300*	56.6	334.8	37,000										155
160	36.3	297.1	26,300*	44.2	314.7	31,400*	48.4	322.4	35,100*	54.7	331.3	35,300										160
165	33.5	289.8	24,900*	41.8	309.3	29,700*	46.2	317.7	33,100*	52.7	327.6	33,700										165
170	30.5	281.7	23,700*	39.4	303.4	28,100*	43.9	312.6	31,200*	50.7	323.6	32,200	56.7	330.0	27,800							170
175	27.1	272.4	22,500*	36.8	296.9	26,600*	41.6	307.1	29,500*	48.6	319.3	30,800	54.8	326.5	26,600							175
180	23.3	261.6	21,300*	34.0	289.7	25,200*	39.1	301.2	27,900*	46.4	314.6	29,500	52.8	322.8	25,400							180
185	18.8	248.3	20,300*	31.0	281.8	23,900*	36.5	294.6	26,500*	44.2	309.6	28,200	50.7	318.8	24,300							185
190	12.8	230.2	18,100*	27.7	272.7	22,700*	33.7	287.4	25,100*	41.8	304.2	27,100	48.6	314.5	23,200							190
195				24.0	262.2	21,600*	30.6	279.3	23,800*	39.3	298.2	26,000	46.5	309.9	22,200	52.6	316.3	18,600				195
200				19.6	249.4	20,500*	27.3	270.1	22,600*	36.7	291.7	24,900	44.2	304.8	21,300	50.6	312.3	17,700				200
205				14.0	232.5	19,400*	23.5	259.4	21,400*	33.9	284.6	23,900	41.9	299.4	20,400	48.5	308.0	16,900				205
210				1.6	193.9	15,700*	19.1	246.3	20,400*	30.9	276.6	23,000	39.4	293.5	19,500	46.3	303.3	16,200				210
215							13.2	228.5	19,300*	27.7	267.5	22,100	36.8	287.0	18,700	44.1	298.3	15,400				215
220										23.9	257.0	21,200	34.0	279.9	17,900	41.7	292.8	14,800				220
225										19.6	244.2	20,300	31.0	271.9	17,200	39.2	286.9	14,100	45.9	294.9	11,100	225
230										13.9	227.1	19,500*	27.7	262.9	16,500	36.6	280.3	13,500	43.6	289.8	10,500	230
235													24.0	252.4	15,800	33.8	273.2	12,900	41.2	284.3	10,000	235
240													19.7	239.7	15,100	30.8	265.1	12,300	38.7	278.2	9,500	240
245													14.1	222.7	14,500	27.5	256.0	11,700	36.1	271.6	9,000	245
250													2.2	186.0	13,800	23.8	245.4	11,200	33.3	264.2	8,500	250
255																19.3	232.4	10,600	30.2	256.0	8,100	255
260																13.6	215.1	10,100	26.8	246.7	7,600	260
265																			23.0	235.7	7,200	265
270																			18.4	222.2	6,800	270
275																			12.2	203.3	6,400	275

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

180 FT. BOOM, 190 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	374.6	55,200*																			65
70	73.3	373.2	54,000*																			70
75	71.7	371.5	52,800*																			75
80	70.1	369.8	51,500*																			80
85	68.5	367.9	50,000*																			85
90	66.9	365.8	48,500*																			90
95	65.2	363.5	46,900*	70.4	368.7	57,400*																95
100	63.5	361.1	45,300*	68.8	366.8	56,900*																100
105	61.8	358.4	43,600*	67.2	364.8	55,700*																105
110	60.1	355.6	41,900*	65.5	362.5	54,000*																110
115	58.3	352.6	40,200*	63.8	360.1	52,200*	67.0	363.0	53,900*													115
120	56.6	349.4	38,500*	62.1	357.5	50,300*	65.3	360.8	52,400*													120
125	54.7	345.9	36,800*	60.4	354.7	48,400*	63.6	358.4	50,900*													125
130	52.8	342.2	35,100*	58.6	351.8	45,600*	61.9	355.7	49,500*													130
135	50.9	338.2	33,500*	56.9	348.5	42,600*	60.2	352.9	48,000*													135
140	48.9	333.9	31,900*	55.0	345.1	39,900*	58.4	349.9	45,300*													140
145	46.9	329.3	30,300*	53.2	341.4	37,500*	56.6	346.7	42,400*	62.1	352.4	40,200										145
150	44.8	324.4	28,900*	51.2	337.5	35,200*	54.8	343.2	39,700*	60.4	349.7	38,300										150
155	42.6	319.1	27,400*	49.3	333.3	33,200*	52.9	339.5	37,200*	58.6	346.7	36,500										155
160	40.3	313.4	26,100*	47.2	328.8	31,300*	51.0	335.6	35,000*	56.8	343.5	34,800										160
165	37.9	307.1	24,700*	45.1	323.9	29,500*	49.0	331.3	33,000*	55.0	340.0	33,200										165
170	35.3	300.3	23,400*	42.9	318.7	27,900*	47.0	326.8	31,100*	53.1	336.4	31,700										170
175	32.6	292.7	22,200*	40.7	313.0	26,400*	44.9	321.8	29,300*	51.2	332.4	30,300	56.9	338.7	26,000							175
180	29.6	284.3	21,000*	38.3	306.8	25,000*	42.7	316.6	27,700*	49.2	328.2	29,000	55.0	335.2	24,800							180
185	26.4	274.8	19,900*	35.7	300.1	23,600*	40.4	310.8	26,200*	47.2	323.7	27,700	53.2	331.6	23,700							185
190	22.7	263.6	18,900*	33.0	292.7	22,400*	38.0	304.6	24,800*	45.1	318.8	26,600	51.3	327.6	22,700							190
195	18.3	249.9	17,900*	30.1	284.4	21,200*	35.4	297.8	23,500*	42.9	313.5	25,500	49.3	323.4	21,700							195
200	12.5	231.2	15,900*	26.9	275.1	20,200*	32.7	290.3	22,300*	40.6	307.9	24,400	47.3	318.9	20,700							200
205				23.3	264.3	19,100*	29.8	282.0	21,100*	38.2	301.7	23,400	45.1	314.0	19,900	51.1	321.1	16,400				205
210				19.1	251.1	18,200*	26.6	272.5	20,000*	35.7	295.0	22,500	43.0	308.8	19,000	49.1	316.9	15,600				210
215				13.6	233.6	17,200*	22.9	261.4	19,000*	33.0	287.5	21,600	40.7	303.1	18,200	47.1	312.4	14,900				215
220				1.5	194.0	13,800*	18.6	247.9	18,100*	30.1	279.3	20,700	38.3	297.0	17,400	45.0	307.5	14,200				220
225							12.8	229.6	17,100*	26.9	269.9	19,900	35.8	290.3	16,700	42.8	302.2	13,600				225
230										23.3	259.0	19,100	33.1	282.9	16,000	40.5	296.5	12,900	46.7	304.0	10,000	230
235										19.0	245.9	18,200*	30.2	274.6	15,300	38.1	290.3	12,300	44.6	299.1	9,400	235
240										13.5	228.3	17,200*	27.0	265.3	14,700	35.6	283.6	11,800	42.4	293.7	8,900	240
245													23.4	254.5	14,000	32.9	276.1	11,200	40.1	287.9	8,500	245
250													19.1	241.3	13,400	30.0	267.8	10,700	37.7	281.6	8,000	250
255													13.7	223.9	12,800	26.7	258.4	10,200	35.1	274.8	7,500	255
260													2.2	186.1	12,200	23.1	247.4	9,700	32.3	267.2	7,100	260
265																18.8	234.1	9,200	29.4	258.7	6,700	265
270																13.2	216.2	8,700	26.1	249.0	6,300	270
275																			22.3	237.7	5,900	275
280																			17.9	223.7	5,500	280
285																			11.8	204.3	5,100	285

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

180 FT. BOOM, 200 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	385.0	51,000*																			65
70	74.2	383.6	50,000*																			70
75	72.7	382.1	49,000*																			75
80	71.2	380.4	47,900*																			80
85	69.6	378.6	46,700*																			85
90	68.1	376.6	45,500*																			90
95	66.5	374.5	44,200*																			95
100	65.0	372.2	42,800*	69.9	377.5	52,300*																100
105	63.4	369.7	41,400*	68.4	375.6	51,400*																105
110	61.7	367.1	39,900*	66.8	373.5	49,800*																110
115	60.1	364.3	38,400*	65.2	371.2	48,100*																115
120	58.4	361.3	36,900*	63.6	368.8	46,300*	66.6	371.8	48,900*													120
125	56.7	358.0	35,400*	62.0	366.2	44,400*	65.0	369.5	47,400*													125
130	55.0	354.6	34,000*	60.4	363.4	42,500*	63.5	367.0	45,800*													130
135	53.2	350.9	32,500*	58.7	360.4	40,700*	61.8	364.4	44,000*													135
140	51.4	347.0	31,000*	57.0	357.2	38,800*	60.2	361.6	42,200*													140
145	49.5	342.8	29,600*	55.3	353.8	36,900*	58.5	358.6	40,500*													145
150	47.6	338.4	28,300*	53.5	350.2	34,600*	56.8	355.4	38,700*	62.0	361.1	37,700										150
155	45.6	333.6	27,000*	51.7	346.3	32,600*	55.1	351.9	36,700*	60.4	358.3	35,800										155
160	43.6	328.4	25,500*	49.8	342.2	30,700*	53.3	348.3	34,400*	58.7	355.3	34,100										160
165	41.4	322.9	24,100*	47.9	337.8	28,900*	51.5	344.4	32,400*	57.0	352.1	32,600										165
170	39.2	316.9	22,800*	46.0	333.0	27,300*	49.6	340.2	30,500*	55.3	348.7	31,100										170
175	36.9	310.5	21,600*	43.9	328.0	25,800*	47.7	335.8	28,800*	53.5	345.1	29,700										175
180	34.4	303.4	20,500*	41.8	322.5	24,400*	45.7	331.0	27,200*	51.7	341.2	28,400	57.0	347.3	24,200							180
185	31.7	295.6	19,400*	39.6	316.6	23,100*	43.7	325.9	25,700*	49.8	337.1	27,200	55.3	343.9	23,100							185
190	28.8	286.9	18,400*	37.3	310.2	21,800*	41.5	320.4	24,300*	47.9	332.7	26,000	53.5	340.3	22,000							190
195	25.7	277.0	17,400*	34.8	303.3	20,700*	39.3	314.4	22,900*	45.9	327.9	24,900	51.7	336.4	21,100							195
200	22.1	265.5	16,500*	32.2	295.6	19,600*	37.0	308.0	21,700*	43.9	322.8	23,900	49.9	332.3	20,100							200
205	17.8	251.5	15,600*	29.3	287.1	18,600*	34.5	300.9	20,600*	41.8	317.4	22,900	48.0	327.9	19,200							205
210	12.1	232.3	13,700*	26.2	277.4	17,600*	31.9	293.2	19,500*	39.5	311.5	21,900	46.0	323.2	18,400	51.6	330.0	14,900				210
215				22.7	266.3	16,700*	29.0	284.5	18,500*	37.2	305.1	21,100	43.9	318.1	17,600	49.7	325.8	14,200				215
220				18.6	252.7	15,800*	25.9	274.8	17,500*	34.8	298.1	20,200	41.8	312.6	16,800	47.8	321.4	13,600				220
225				13.3	234.8	15,000*	22.3	263.4	16,600*	32.1	290.4	19,400	39.6	306.7	16,100	45.8	316.6	12,900				225
230							18.1	249.5	15,700*	29.3	281.9	18,600*	37.3	300.4	15,400	43.8	311.5	12,300				230
235				1.5	194.1	11,800*	12.5	230.7	14,900*	26.2	272.2	17,600*	34.8	293.4	14,700	41.7	306.0	11,700	47.4	313.1	8,800	235
240										22.7	261.0	16,700*	32.2	285.7	14,100	39.4	300.1	11,100	45.5	308.2	8,300	240
245										18.5	247.5	15,800*	29.4	277.2	13,500	37.1	293.7	10,600	43.4	303.1	7,800	245
250										13.2	229.4	15,000*	26.3	267.6	12,900	34.6	286.7	10,100	41.2	297.5	7,300	250
255													22.8	256.5	12,300	32.0	279.0	9,600	39.0	291.5	6,900	255
260													18.6	243.0	11,800	29.2	270.4	9,100	36.7	285.0	6,500	260
265													13.3	225.1	11,200	26.0	260.7	8,600	34.2	277.8	6,100	265
270													2.1	186.3	10,600	22.5	249.4	8,200	31.5	270.0	5,700	270
275																18.3	235.7	7,700	28.6	261.2	5,300	275
280																12.9	217.3	7,300	25.4	251.2	4,900	280
285																			21.8	239.6	4,500	285
290																			17.4	225.2	4,200	290

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

190 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	65.3	264.6	120,100*b																			45
50	60.6	261.9	113,900*b																			50
55	55.8	258.7	108,100*b																			55
60	50.6	254.8	102,900*b																			60
65	44.9	250.1	98,200*	62.2	261.4	111,700*b																65
70	38.7	244.3	91,800*	57.5	258.4	106,000*b																70
75	31.3	236.8	83,300*	52.4	254.8	100,500*b	62.2	259.8	103,700*b													75
80	21.8	226.4	76,000*	46.9	250.3	95,500*	57.4	256.8	98,600*b													80
85				40.9	245.0	90,800*	52.3	253.2	93,700*b													85
90				34.0	238.2	86,100*	46.9	248.7	89,100*													90
95				25.5	229.0	78,400*	40.8	243.3	84,900*	58.7	253.9	80,000b										95
100				12.0	213.3	71,800*	33.9	236.5	80,900*	53.7	250.5	74,800b										100
105							25.4	227.4	76,900	48.4	246.3	70,100										105
110							11.7	211.5	72,000*	42.5	241.2	66,000										110
115										35.9	234.8	62,200	54.7	246.0	56,100b							115
120										27.9	226.4	58,800	49.4	242.0	53,100							120
125										16.6	213.5	55,600	43.7	237.1	50,200							125
130													37.3	231.0	47,700							130
135													29.6	223.1	45,300	49.9	235.9	40,400				135
140													19.3	211.6	43,000	44.2	231.0	38,400				140
145																37.9	225.1	36,600				145
150																30.4	217.4	34,900				150
155																20.4	206.4	33,200	44.0	223.0	29,300	155
160																			37.6	217.0	28,000	160
165																			30.1	209.2	26,700	165
170																			20.0	198.0	25,500	170

MANITOWOC CRANES, INC.

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LIFTCRANE LUFFING JIB CAPACITIES

DESIGNED AND TESTED
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M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

190 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	68.5	275.5	116,000*b																			45
50	64.6	273.3	110,200*b																			50
55	60.5	270.6	104,800*b																			55
60	56.3	267.4	99,800*b																			60
65	51.8	263.6	95,300*	66.0	272.6	108,000*b																65
70	47.0	259.2	91,000*	62.0	270.1	102,700*b																70
75	41.8	253.9	83,600*	57.8	267.1	97,700*b	65.9	271.1	100,300*b													75
80	36.0	247.5	76,300*	53.4	263.5	93,000*	61.9	268.5	95,600*b													80
85	29.2	239.4	70,100*	48.7	259.4	88,600*	57.7	265.5	91,100*b													85
90	20.3	228.1	64,700*	43.7	254.4	84,400*	53.3	261.9	86,800*													90
95				38.1	248.4	78,700*	48.7	257.8	82,800*	63.0	265.5	79,300b										95
100				31.7	241.0	72,200*	43.6	252.8	79,100*	58.9	262.6	74,100b										100
105				23.7	231.1	66,700*	38.0	246.8	75,500*	54.5	259.2	69,500										105
110				11.1	214.3	61,700*	31.6	239.4	72,000	50.0	255.2	65,400										110
115							23.6	229.4	66,600*	45.0	250.5	61,700										115
120							10.9	212.4	61,600*	39.6	244.8	58,300	55.4	254.8	52,400							120
125										33.5	237.8	55,200	50.9	250.9	49,600							125
130										26.0	228.7	52,300	46.0	246.3	47,000							130
135										15.4	214.9	49,700	40.7	240.8	44,700							135
140													34.7	234.1	42,500							140
145													27.6	225.6	40,500	51.3	244.7	37,700				145
150													18.0	213.1	38,500	46.5	240.2	35,900				150
155																41.2	234.8	34,200				155
160																35.3	228.3	32,700				160
165																28.3	219.9	31,200	46.3	232.2	27,300	160
170																19.0	208.0	29,800	41.0	226.8	26,000	165
175																			35.1	220.2	24,900	170
180																			28.0	211.7	23,800	175
																			18.6	199.6	22,700	180

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

190 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	71.0	286.2	110,700*b																			45
50	67.6	284.3	105,500*b																			50
55	64.1	281.9	100,500*b																			55
60	60.5	279.2	96,000*																			60
65	56.7	276.1	91,700*	68.8	283.5	104,300*b																65
70	52.8	272.4	87,700*	65.3	281.3	99,800*b																70
75	48.6	268.2	83,900*	61.7	278.8	95,500*b																75
80	44.2	263.3	77,000*	58.0	275.8	91,100*	65.3	279.8	93,300*b													80
85	39.3	257.5	70,700*	54.2	272.3	86,900*	61.7	277.2	89,100*													85
90	33.9	250.6	65,200*	50.1	268.3	82,900*	58.0	274.2	85,100*													90
95	27.5	241.9	60,400*	45.7	263.6	79,200*	54.1	270.7	81,300*													95
100	19.1	229.8	56,100*	41.0	258.2	72,800*	50.0	266.7	77,700*	62.7	274.2	73,500b										100
105				35.8	251.7	67,200*	45.7	262.0	74,300*	59.0	271.3	69,000										105
110				29.8	243.7	62,200*	41.0	256.6	71,000*	55.2	267.9	64,900										110
115				22.3	233.1	57,700*	35.7	250.1	67,200*	51.2	264.1	61,200										115
120				10.4	215.1	53,700*	29.7	242.0	62,100*	46.9	259.6	57,800										120
125							22.2	231.4	57,700*	42.3	254.4	54,800	55.9	263.5	49,000							125
130							10.2	213.2	53,700*	37.2	248.2	52,000	51.9	259.7	46,500							130
135										31.4	240.6	49,400	47.7	255.4	44,200							135
140										24.5	230.9	47,000	43.2	250.3	42,000							140
145										14.5	216.1	44,700	38.2	244.3	40,000	52.3	253.5	35,300				145
150													32.6	237.1	38,200	48.1	249.3	33,700				150
155													25.9	227.9	36,400	43.6	244.3	32,200				155
160													16.9	214.6	34,800	38.7	238.4	30,700				160
165																33.2	231.3	29,400				165
170																26.6	222.3	28,100	48.0	241.3	25,500	170
175																17.9	209.5	26,800	43.5	236.2	24,300	175
180																			38.5	230.3	23,300	180
185																			33.0	223.1	22,300	185
190																			26.4	214.1	21,300	190
																			17.5	201.1	20,300	190

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

190 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	73.0	296.8	106,600*b																			45
50	70.0	295.0	101,900*b																			50
55	66.9	293.0	97,300*b																			55
60	63.7	290.6	93,000*																			60
65	60.4	287.9	88,900*	71.0	294.2	100,700*b																65
70	57.1	284.7	85,200*	67.9	292.3	96,700*b																70
75	53.5	281.2	80,800*	64.8	290.0	92,400*																75
80	49.9	277.1	75,600*	61.6	287.4	88,300*	67.9	290.7	90,100*b													80
85	45.9	272.5	70,600*	58.2	284.4	84,400*	64.8	288.4	86,200*													85
90	41.8	267.2	65,000*	54.8	281.0	80,700*	61.5	285.8	82,500*													90
95	37.2	260.9	60,200*	51.1	277.2	77,200*	58.2	282.8	79,000*													95
100	32.0	253.5	56,000*	47.3	272.7	72,700*	54.7	279.4	75,600*													100
105	26.0	244.2	52,200*	43.2	267.6	66,900*	51.1	275.6	72,400*	62.4	282.8	68,300										105
110	18.1	231.4	48,800*	38.8	261.7	61,900*	47.3	271.1	69,400*	59.1	279.9	64,200										110
115				33.9	254.8	57,500*	43.2	266.0	66,500*	55.7	276.7	60,500										115
120				28.2	246.2	53,600*	38.7	260.1	62,000*	52.1	272.9	57,200										120
125				21.1	234.9	50,100*	33.8	253.1	57,500*	48.3	268.6	54,200										125
130				9.8	215.9	46,900*	28.1	244.5	53,600*	44.3	263.7	51,400	56.3	272.2	45,800							130
135							21.0	233.2	50,100*	40.0	258.1	48,800	52.8	268.5	43,500							135
140							9.6	214.0	46,900*	35.2	251.4	46,500	49.1	264.3	41,400							140
145										29.8	243.3	44,300	45.1	259.6	39,400							145
150										23.2	232.9	42,200	40.8	254.1	37,600							150
155										13.7	217.3	40,300	36.2	247.6	35,900	49.4	258.2	31,400				155
160													30.9	239.8	34,300	45.5	253.5	30,000				160
165													24.6	230.0	32,800	41.2	248.1	28,700				165
170													16.0	215.9	31,300	36.6	241.7	27,400				170
175																31.4	234.1	26,200	45.3	245.5	22,500	175
180																25.2	224.5	25,100	41.1	240.0	21,600	180
185																16.9	211.0	24,000	36.4	233.6	20,600	185
190																			31.2	225.9	19,700	190
195																			24.9	216.3	18,900	195
200																			16.6	202.5	18,000	200

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

190 FT. BOOM, 110 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	74.6	307.2	102,800*																			45
50	71.9	305.7	98,400*																			50
55	69.1	303.8	94,200*																			55
60	66.3	301.7	90,200*																			60
65	63.4	299.3	86,500*																			65
70	60.4	296.5	82,400*	70.0	303.1	93,500*																70
75	57.3	293.4	77,600*	67.2	301.0	89,500*																75
80	54.2	289.9	72,900*	64.4	298.7	85,700*																80
85	50.8	286.0	68,400*	61.4	296.1	82,100*	67.2	299.4	83,500*													85
90	47.4	281.6	64,000*	58.4	293.1	78,600*	64.3	297.1	80,100*													90
95	43.7	276.5	59,900*	55.3	289.7	75,300*	61.4	294.5	76,800*													95
100	39.7	270.8	55,900*	52.0	286.0	72,200*	58.4	291.5	73,600*													100
105	35.4	264.1	52,300*	48.6	281.7	68,400*	55.2	288.2	70,600*													105
110	30.5	256.2	49,000*	45.0	276.9	63,200*	52.0	284.4	67,800*	62.2	291.5	63,600										110
115	24.7	246.4	45,900*	41.1	271.4	58,800*	48.5	280.1	65,100*	59.2	288.6	59,900										115
120	17.2	232.8	43,200*	36.9	265.1	54,800*	44.9	275.3	62,400*	56.1	285.4	56,600										120
125				32.2	257.7	51,200*	41.1	269.8	58,800*	52.9	281.7	53,600										125
130				26.8	248.6	48,000*	36.8	263.5	54,700*	49.5	277.6	50,800										130
135				20.1	236.7	45,100*	32.2	256.0	51,200*	45.9	272.9	48,300	56.7	280.9	42,800							135
140				9.4	216.7	41,500*	26.8	246.9	47,900*	42.1	267.6	45,900	53.5	277.3	40,700							140
145							20.0	235.0	45,000*	38.0	261.5	43,800	50.1	273.2	38,800							145
150							9.2	214.8	42,400*	33.5	254.4	41,800	46.6	268.7	37,000							150
155										28.3	245.8	39,900	42.9	263.5	35,300							155
160										22.0	234.9	38,100	38.8	257.6	33,700	50.4	267.1	29,400				160
165										13.0	218.4	36,400	34.4	250.7	32,200	46.9	262.6	28,100				165
170													29.4	242.5	30,900	43.2	257.5	26,800				170
175													23.4	232.1	29,500	39.2	251.7	25,700				175
180													15.2	217.2	28,200	34.8	244.9	24,600	46.8	254.6	20,900	180
185																29.9	236.8	23,500	43.1	249.5	20,000	185
190																24.0	226.6	22,500	39.1	243.6	19,100	190
195																16.1	212.4	21,600	34.7	236.8	18,300	195
200																			29.7	228.6	17,500	200
205																			23.7	218.3	16,800	205
210																			15.8	203.9	16,000	210

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

190 FT. BOOM, 120 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	75.9	317.6	96,100*																			45
50	73.4	316.2	93,200*																			50
55	70.9	314.5	89,900*																			55
60	68.4	312.6	86,200*																			60
65	65.8	310.4	82,400*																			65
70	63.1	308.0	78,300*																			70
75	60.4	305.2	74,200*	69.2	311.8	86,300*																75
80	57.6	302.1	70,100*	66.7	309.8	82,800*																80
85	54.7	298.7	66,000*	64.0	307.4	79,400*																85
90	51.7	294.8	62,100*	61.3	304.7	76,200*	66.6	308.2	77,300*													90
95	48.5	290.6	58,300*	58.5	301.8	73,200*	64.0	305.8	74,300*													95
100	45.2	285.8	54,700*	55.7	298.5	70,200*	61.3	303.2	71,400*													100
105	41.7	280.4	51,200*	52.7	294.8	67,400*	58.5	300.2	68,600*													105
110	37.9	274.3	48,000*	49.6	290.7	62,800*	55.6	296.9	65,900*													110
115	33.8	267.2	45,000*	46.4	286.0	58,400*	52.7	293.2	63,400*	62.0	300.2	59,200										115
120	29.1	258.8	42,300*	42.9	280.9	54,400*	49.6	289.0	60,900*	59.3	297.3	55,900										120
125	23.6	248.4	39,800*	39.2	275.0	50,800*	46.3	284.4	58,300*	56.4	294.0	52,900										125
130	16.4	234.3	37,500*	35.2	268.3	47,500*	42.9	279.3	54,300*	53.5	290.5	50,200										130
135				30.8	260.4	44,600*	39.2	273.4	50,700*	50.4	286.5	47,700										135
140				25.6	250.8	42,000*	35.2	266.7	47,500*	47.2	282.0	45,300	57.0	289.5	40,000							140
145				19.2	238.3	39,600*	30.7	258.8	44,600*	43.8	277.0	43,200	54.1	286.0	38,100							145
150				8.9	217.4	36,700*	25.6	249.2	42,000*	40.2	271.3	41,200	51.0	282.1	36,300							150
155							19.1	236.6	39,600*	36.3	264.8	39,300	47.8	277.7	34,600							155
160							8.7	215.5	37,300*	32.0	257.3	37,600	44.5	272.8	33,100							160
165										27.1	248.2	36,000	40.9	267.3	31,600	51.3	276.0	27,400				165
170										21.1	236.7	34,400	37.1	261.0	30,200	48.1	271.6	26,100				170
175										12.5	219.4	32,900	32.9	253.7	29,000	44.8	266.8	25,000				175
180													28.1	245.0	27,700	41.3	261.3	23,900				180
185													22.3	234.0	26,600	37.5	255.1	22,900	48.0	263.6	19,300	185
190													14.5	218.5	25,400	33.3	247.9	21,900	44.7	258.7	18,400	190
195																28.5	239.3	21,000	41.1	253.2	17,600	195
200																22.9	228.6	20,100	37.3	247.0	16,800	200
205																15.4	213.7	19,200	33.1	239.7	16,100	205
210																			28.4	231.1	15,400	210
215																			22.7	220.3	14,700	215
220																			15.0	205.2	14,000	220

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

190 FT. BOOM, 130 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	74.7	326.6	86,500*																			50
55	72.4	325.1	83,800*																			55
60	70.1	323.3	80,900*																			60
65	67.7	321.3	77,700*																			65
70	65.3	319.1	74,300*																			70
75	62.9	316.6	70,800*	70.9	322.5	82,800*																75
80	60.3	313.9	67,200*	68.5	320.6	80,000*																80
85	57.8	310.8	63,600*	66.1	318.5	77,300*																85
90	55.1	307.4	60,100*	63.7	316.1	74,700*																90
95	52.3	303.6	56,700*	61.2	313.4	71,800*	66.1	316.9	72,500*													95
100	49.5	299.5	53,400*	58.6	310.4	69,000*	63.7	314.5	69,900*													100
105	46.5	294.9	50,200*	56.0	307.2	66,300*	61.2	311.8	67,200*													105
110	43.3	289.8	47,200*	53.3	303.5	63,300*	58.6	308.8	64,700*													110
115	40.0	284.0	44,400*	50.5	299.5	58,700*	56.0	305.6	62,300*													115
120	36.4	277.6	41,700*	47.5	295.1	54,600*	53.3	301.9	60,000*	61.9	308.8	55,600										120
125	32.4	270.1	39,200*	44.4	290.2	51,000*	50.4	297.9	57,700*	59.3	305.9	52,600										125
130	27.9	261.3	37,000*	41.1	284.7	47,700*	47.5	293.5	54,600*	56.7	302.7	49,900										130
135	22.7	250.4	34,900*	37.6	278.4	44,800*	44.4	288.6	51,000*	54.0	299.2	47,400										135
140	15.8	235.6	33,000*	33.8	271.3	42,100*	41.1	283.0	47,700*	51.2	295.3	45,100										140
145				29.5	263.0	39,700*	37.6	276.8	44,800*	48.3	291.0	42,900	57.2	298.2	37,800							145
150				24.6	253.0	37,500*	33.8	269.7	42,100*	45.2	286.2	40,900	54.5	294.8	36,000							150
155				18.4	239.9	35,400*	29.5	261.4	39,700*	42.0	280.8	39,100	51.8	290.9	34,300							155
160				8.6	218.1	32,900*	24.5	251.3	37,500*	38.6	274.8	37,400	48.9	286.7	32,800							160
165							18.3	238.2	35,400*	34.8	268.0	35,700	45.8	282.0	31,300							165
170							8.4	216.2	33,500*	30.7	260.0	34,200	42.6	276.8	30,000	52.0	284.8	25,800				170
175										26.0	250.5	32,800	39.2	270.9	28,700	49.1	280.6	24,700				175
180										20.2	238.5	31,400	35.6	264.2	27,500	46.1	275.9	23,600				180
185										11.9	220.4	30,100	31.5	256.5	26,400	42.9	270.7	22,600				185
190													26.9	247.4	25,300	39.6	264.9	21,700				190
195													21.4	235.9	24,200	35.9	258.3	20,700	46.0	267.9	17,300	195
200													13.9	219.7	23,200	31.9	250.7	19,900	42.8	262.7	16,600	200
205																27.4	241.7	19,000	39.4	256.9	15,800	205
210																22.0	230.6	18,200	35.8	250.2	15,100	210
215																14.8	215.0	17,500	31.8	242.6	14,500	215
220																			27.2	233.5	13,800	220
225																			21.8	222.2	13,200	225
230																			14.4	206.4	12,600	230

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

190 FT. BOOM, 140 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
50	75.9	337.0	80,100*																			50
55	73.7	335.6	78,000*																			55
60	71.6	333.9	75,600*																			60
65	69.4	332.1	72,900*																			65
70	67.2	330.1	70,100*																			70
75	64.9	327.8	67,100*																			75
80	62.7	325.3	64,100*	70.2	331.3	77,200*																80
85	60.3	322.5	61,000*	68.0	329.4	74,700*																85
90	57.9	319.5	57,800*	65.7	327.2	72,100*																90
95	55.5	316.1	54,800*	63.4	324.7	69,400*	67.9	327.8	69,900*													95
100	52.9	312.4	51,800*	61.1	322.1	66,800*	65.7	325.6	67,400*													100
105	50.3	308.4	48,900*	58.7	319.1	64,300*	63.4	323.2	65,000*													105
110	47.5	303.9	46,200*	56.3	315.9	62,000*	61.1	320.5	62,700*													110
115	44.7	299.0	43,500*	53.8	312.3	58,200*	58.7	317.5	60,400*													115
120	41.7	293.6	41,000*	51.2	308.4	54,100*	56.3	314.3	58,300*													120
125	38.4	287.6	38,600*	48.5	304.1	50,500*	53.8	310.7	56,200*	61.7	317.5	52,000										125
130	35.0	280.7	36,400*	45.7	299.3	47,300*	51.2	306.8	54,200*	59.4	314.6	49,200										130
135	31.2	272.9	34,300*	42.7	294.1	44,300*	48.5	302.5	50,500*	56.9	311.4	46,700										135
140	26.9	263.7	32,400*	39.6	288.3	41,700*	45.6	297.7	47,300*	54.4	307.9	44,400										140
145	21.8	252.3	30,700*	36.2	281.7	39,200*	42.7	292.5	44,300*	51.9	304.1	42,300										145
150	15.2	236.9	29,100*	32.5	274.3	37,000*	39.5	286.6	41,600*	49.2	299.9	40,300	57.4	306.9	35,300							150
155				28.4	265.6	35,000*	36.2	280.1	39,200*	46.4	295.3	38,500	54.9	303.5	33,700							155
160				23.7	255.1	33,100*	32.5	272.6	37,000*	43.5	290.2	36,800	52.4	299.7	32,100							160
165				17.7	241.5	31,300*	28.4	263.9	35,000*	40.4	284.5	35,200	49.7	295.6	30,700							165
170				8.2	218.8	29,100*	23.6	253.4	33,100*	37.1	278.2	33,700	47.0	291.1	29,300							170
175							17.6	239.7	31,300*	33.5	271.0	32,300	44.1	286.1	28,100	52.6	293.6	24,000				175
180							8.0	216.9	29,700*	29.5	262.7	30,900	41.0	280.5	26,900	50.0	289.5	22,900				180
185										25.0	252.7	29,700	37.7	274.3	25,800	47.2	285.0	21,900				185
190										19.4	240.2	28,500	34.2	267.3	24,700	44.3	280.0	21,000				190
195										11.5	221.4	27,300	30.3	259.2	23,700	41.3	274.5	20,100				195
200													25.9	249.6	22,700	38.0	268.4	19,200	47.1	277.0	15,800	200
205													20.6	237.7	21,800	34.5	261.4	18,400	44.2	272.0	15,100	205
210													13.4	220.8	20,900	30.7	253.5	17,600	41.2	266.5	14,400	210
215																26.3	244.1	16,900	37.9	260.3	13,800	215
220																21.1	232.4	16,200	34.4	253.3	13,200	220
225																14.2	216.2	15,500	30.6	245.3	12,600	225
230																			26.2	235.8	12,000	230
235																			20.9	224.1	11,400	235
240																			13.9	207.6	10,900	240

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

190 FT. BOOM, 150 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	74.8	346.0	72,400*																			55
60	72.9	344.5	70,500*																			60
65	70.8	342.8	68,300*																			65
70	68.8	340.9	66,000*																			70
75	66.7	338.8	63,500*																			75
80	64.6	336.5	60,900*																			80
85	62.5	334.0	58,200*	69.5	340.1	72,100*																85
90	60.3	331.2	55,500*	67.4	338.1	69,600*																90
95	58.1	328.1	52,800*	65.3	335.9	67,200*																95
100	55.8	324.8	50,100*	63.2	333.4	64,800*	67.4	336.5	65,100*													100
105	53.4	321.2	47,500*	61.0	330.7	62,500*	65.3	334.3	62,900*													105
110	51.0	317.2	45,000*	58.8	327.8	60,200*	63.2	331.8	60,800*													110
115	48.4	312.9	42,600*	56.6	324.5	58,100*	61.0	329.1	58,700*													115
120	45.8	308.2	40,200*	54.2	321.0	54,600*	58.8	326.2	56,700*													120
125	43.1	303.0	38,000*	51.8	317.2	50,900*	56.5	323.0	54,700*													125
130	40.2	297.3	35,900*	49.3	313.0	47,600*	54.2	319.4	52,800*	61.6	326.1	48,600										130
135	37.1	290.9	33,900*	46.7	308.4	44,600*	51.8	315.6	50,900*	59.4	323.3	46,100										135
140	33.7	283.8	32,000*	44.0	303.4	41,900*	49.3	311.4	47,600*	57.1	320.1	43,900										140
145	30.1	275.6	30,300*	41.2	297.9	39,500*	46.7	306.8	44,600*	54.8	316.7	41,700										145
150	25.9	266.0	28,700*	38.2	291.8	37,200*	44.0	301.8	41,900*	52.4	312.9	39,800										150
155	21.0	254.2	27,200*	34.9	284.9	35,200*	41.1	296.3	39,500*	50.0	308.8	37,900	57.6	315.6	33,000							155
160	14.6	238.2	25,900*	31.4	277.1	33,200*	38.1	290.1	37,200*	47.4	304.4	36,200	55.3	312.2	31,500							160
165				27.4	268.0	31,500*	34.9	283.2	35,100*	44.7	299.5	34,600	52.9	308.5	30,100							165
170				22.8	257.1	29,800*	31.3	275.4	33,200*	41.9	294.1	33,200	50.5	304.5	28,800							170
175				17.1	243.0	28,300*	27.4	266.3	31,500*	39.0	288.1	31,800	47.9	300.1	27,500							175
180				7.9	219.5	25,100*	22.8	255.4	29,800*	35.8	281.4	30,400	45.3	295.3	26,300							180
185							17.0	241.2	28,300*	32.3	273.9	29,200	42.5	290.0	25,200	50.7	298.3	21,300				185
190							7.8	217.5	25,800*	28.5	265.2	28,000	39.5	284.1	24,100	48.1	294.0	20,400				190
195										24.1	254.9	26,900	36.4	277.6	23,100	45.5	289.2	19,500				195
200										18.8	241.8	25,800	33.0	270.3	22,200	42.7	284.0	18,600				200
205										11.1	222.3	24,700	29.3	261.8	21,300	39.8	278.2	17,800				205
210													25.0	251.9	20,400	36.7	271.7	17,100	45.4	281.2	13,800	210
215													19.9	239.5	19,600	33.3	264.4	16,400	42.6	275.9	13,200	215
220													12.9	221.9	18,800	29.6	256.1	15,700	39.7	270.1	12,600	220
225																25.4	246.3	15,000	36.6	263.6	12,000	225
230																20.4	234.2	14,300	33.2	256.3	11,400	230
235																13.7	217.4	13,700	29.5	248.0	10,900	235
240																			25.2	238.1	10,400	240
245																			20.2	225.8	9,900	245
250																			13.4	208.8	9,300	250

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

190 FT. BOOM, 160 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
55	75.8	356.3	67,100*																			55
60	74.0	354.9	65,500*																			60
65	72.1	353.4	63,700*																			65
70	70.2	351.6	61,800*																			70
75	68.3	349.7	59,700*																			75
80	66.3	347.5	57,600*																			80
85	64.3	345.2	55,300*	70.8	350.8	69,000*																85
90	62.3	342.6	53,000*	68.9	348.9	66,900*																90
95	60.3	339.8	50,600*	67.0	346.9	64,700*																95
100	58.2	336.8	48,300*	65.0	344.6	62,500*																100
105	56.0	333.5	45,900*	63.0	342.1	60,300*	67.0	345.3	60,500*													105
110	53.8	329.9	43,700*	61.0	339.4	58,300*	65.0	343.0	58,600*													110
115	51.6	326.1	41,400*	58.9	336.4	56,300*	63.0	340.5	56,700*													115
120	49.2	321.9	39,300*	56.8	333.2	54,100*	61.0	337.8	54,800*													120
125	46.8	317.3	37,200*	54.6	329.8	50,400*	58.9	334.8	53,000*													125
130	44.3	312.3	35,200*	52.4	326.0	47,000*	56.8	331.6	51,200*													130
135	41.6	306.8	33,400*	50.0	321.9	44,100*	54.6	328.2	49,500*	61.5	334.8	45,500										135
140	38.8	300.8	31,600*	47.6	317.5	41,400*	52.3	324.4	47,100*	59.4	331.9	43,200										140
145	35.8	294.2	29,900*	45.2	312.6	38,900*	50.0	320.3	44,100*	57.3	328.8	41,100										145
150	32.6	286.7	28,300*	42.5	307.3	36,700*	47.6	315.9	41,400*	55.2	325.4	39,100										150
155	29.1	278.2	26,800*	39.8	301.5	34,600*	45.1	311.0	38,900*	52.9	321.7	37,300										155
160	25.1	268.2	25,500*	36.9	295.1	32,700*	42.5	305.7	36,700*	50.6	317.7	35,600	57.7	324.3	30,800							160
165	20.4	256.0	24,200*	33.8	287.9	31,000*	39.8	299.9	34,600*	48.3	313.3	34,000	55.6	320.9	29,400							165
170	14.2	239.4	23,100*	30.3	279.8	29,300*	36.9	293.5	32,700*	45.8	308.6	32,600	53.4	317.3	28,100							170
175				26.5	270.4	27,800*	33.7	286.3	30,900*	43.2	303.5	31,200	51.1	313.3	26,800							175
180				22.1	259.1	26,400*	30.3	278.1	29,300*	40.5	297.8	29,900	48.7	309.1	25,700							180
185				16.5	244.4	25,100*	26.5	268.7	27,800*	37.7	291.5	28,600	46.3	304.4	24,600							185
190				7.7	220.1	22,200*	22.0	257.4	26,400*	34.6	284.6	27,400	43.7	299.3	23,500	51.3	307.2	19,700				190
195							16.5	242.7	25,100*	31.3	276.7	26,300	41.1	293.8	22,500	49.0	302.9	18,800				195
200							7.5	218.1	22,900*	27.6	267.7	25,300	38.2	287.6	21,600	46.5	298.3	18,000				200
205										23.3	256.9	24,300	35.2	280.8	20,700	44.0	293.3	17,200				205
210										18.1	243.4	23,300	31.9	273.1	19,800	41.3	287.8	16,400				210
215										10.7	223.3	22,300	28.3	264.3	19,000	38.5	281.7	15,700	46.4	290.3	12,500	215
220													24.2	254.0	18,200	35.5	274.9	15,000	43.9	285.2	11,900	220
225													19.2	241.1	17,500	32.2	267.3	14,400	41.2	279.7	11,300	225
230													12.5	223.0	16,700	28.6	258.7	13,700	38.4	273.6	10,800	230
235																24.6	248.5	13,100	35.4	266.8	10,200	235
240																19.7	235.9	12,500	32.1	259.2	9,700	240
245																13.2	218.5	11,900	28.5	250.5	9,200	245
250																			24.4	240.2	8,800	250
255																			19.5	227.6	8,300	255
260																			12.9	209.9	7,800	260

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP

177,600 LB. COUNTERWEIGHT

360 DEGREE RATING ON SPREAD OUTRIGGERS

190 FT. BOOM, 170 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB 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	365.3	60,900*																			60
65	73.2	363.9	59,500*																			65
70	71.4	362.2	57,900*																			70
75	69.6	360.4	56,200*																			75
80	67.8	358.4	54,300*																			80
85	66.0	356.2	52,400*																			85
90	64.1	353.9	50,400*	70.2	359.6	63,100*																90
95	62.2	351.3	48,400*	68.4	357.7	62,300*																95
100	60.3	348.5	46,400*	66.6	355.6	60,400*																100
105	58.3	345.5	44,300*	64.7	353.3	58,400*																105
110	56.3	342.2	42,300*	62.8	350.8	56,500*	66.6	354.0	56,600*													110
115	54.2	338.7	40,300*	60.9	348.0	54,700*	64.7	351.7	54,800*													115
120	52.1	334.9	38,300*	59.0	345.1	52,900*	62.8	349.2	53,100*													120
125	49.9	330.8	36,400*	57.0	341.9	50,100*	60.9	346.5	51,400*													125
130	47.7	326.3	34,600*	54.9	338.5	46,700*	58.9	343.5	49,800*													130
135	45.3	321.5	32,800*	52.8	334.8	43,800*	56.9	340.3	48,200*													135
140	42.9	316.3	31,100*	50.7	330.8	41,100*	54.9	336.9	46,600*	61.4	343.5	42,900										140
145	40.3	310.5	29,500*	48.4	326.4	38,600*	52.8	333.2	43,800*	59.5	340.6	40,800										145
150	37.6	304.3	28,000*	46.1	321.8	36,400*	50.6	329.2	41,100*	57.5	337.5	38,800										150
155	34.7	297.3	26,600*	43.7	316.7	34,300*	48.4	324.8	38,600*	55.5	334.1	37,000										155
160	31.6	289.5	25,200*	41.2	311.1	32,400*	46.1	320.1	36,400*	53.4	330.5	35,300										160
165	28.2	280.7	24,000*	38.6	305.0	30,600*	43.7	315.0	34,300*	51.2	326.5	33,700	57.9	332.9	29,100							165
170	24.3	270.3	22,800*	35.7	298.3	29,000*	41.2	309.5	32,400*	49.0	322.3	32,200	55.9	329.6	27,700							170
175	19.7	257.7	21,700*	32.7	290.9	27,500*	38.5	303.4	30,600*	46.7	317.7	30,900	53.8	326.0	26,500							175
180	13.7	240.6	20,700*	29.4	282.4	26,100*	35.7	296.7	29,000*	44.4	312.7	29,600	51.6	322.2	25,300							180
185				25.7	272.6	24,800*	32.7	289.2	27,500*	41.9	307.3	28,300	49.5	318.0	24,200							185
190				21.4	260.9	23,500*	29.4	280.8	26,100*	39.3	301.4	27,200	47.2	313.5	23,200							190
195				16.0	245.8	22,300*	25.7	271.0	24,800*	36.5	294.8	26,100	44.8	308.6	22,200	51.8	316.0	18,500				195
200				7.4	220.7	19,800*	21.4	259.2	23,500*	33.5	287.6	25,000	42.4	303.2	21,300	49.7	311.8	17,600				200
205							16.0	244.0	22,300*	30.3	279.4	24,000	39.8	297.4	20,400	47.4	307.4	16,800				205
210							7.3	218.7	20,400*	26.7	270.0	23,100	37.0	291.0	19,500	45.0	302.5	16,100				210
215										22.6	258.9	22,200	34.1	283.9	18,700	42.6	297.2	15,400				215
220										17.6	244.9	21,300	30.9	275.9	18,000	40.0	291.4	14,700	47.3	299.3	11,600	220
225										10.4	224.1	20,400	27.4	266.8	17,200	37.3	285.1	14,100	45.0	294.5	11,000	225
230													23.4	256.1	16,500	34.4	278.0	13,400	42.5	289.2	10,400	230
235													18.6	242.8	15,800	31.2	270.1	12,800	39.9	283.4	9,900	235
240													12.1	224.0	15,200	27.8	261.1	12,300	37.2	277.0	9,400	240
245																23.8	250.6	11,700	34.3	269.9	8,900	245
250																19.1	237.6	11,200	31.1	262.0	8,500	250
255																12.8	219.6	10,600	27.6	252.9	8,000	255
260																			23.7	242.3	7,600	260
265																			18.9	229.2	7,200	265
270																			12.5	210.9	6,700	270

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS

200 FT. BOOM, 70 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	65.6	274.7	116,800*b																			45
50	61.0	272.1	111,100*b																			50
55	56.1	268.9	105,700*b																			55
60	50.9	265.1	100,800*b																			60
65	45.4	260.4	96,400*	63.4	272.0	108,200*b																65
70	39.1	254.7	92,300*	58.6	269.1	102,600*b																70
75	31.9	247.4	84,400*	53.7	265.6	97,400*b	63.8	270.6	99,900*b													75
80	22.6	237.3	77,000*	48.3	261.4	92,500*	59.1	267.8	95,000*b													80
85				42.4	256.3	88,000*	54.1	264.4	90,300*b													85
90				35.8	249.9	83,800*	48.8	260.2	85,900*													90
95				27.8	241.5	79,800*	43.0	255.2	81,800*	61.2	265.2	78,400b										95
100				16.4	228.5	73,800*	36.5	248.9	78,000*	56.3	262.0	73,300b										100
105							28.6	240.8	74,400*	51.2	258.2	68,800b										105
110							17.7	228.5	70,900*	45.6	253.6	64,700										110
115										39.5	247.9	61,000										115
120										32.3	240.8	57,600	53.1	254.2	51,400b							120
125										23.2	230.8	54,500	47.7	249.9	48,700							125
130										4.8	209.0	51,500	41.8	244.7	46,200							130
135													35.0	238.1	43,900							135
140													26.8	229.4	41,700	49.1	244.2	36,700				140
145													14.6	215.4	39,600	43.3	239.3	34,900				145
150																36.8	233.1	33,300				150
155																29.1	225.0	31,800				155
160																18.4	213.1	30,300	44.0	231.7	26,200	160
165																			37.6	225.7	25,000	165
170																			30.1	217.9	23,900	170
175																			20.0	206.7	22,800	175

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

200 FT. BOOM, 80 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	68.8	285.6	112,700*b																			45
50	64.9	283.4	107,300*b																			50
55	60.8	280.8	102,300*b																			55
60	56.6	277.6	97,700*b																			60
65	52.1	273.9	93,400*	66.9	283.1	104,500*b																65
70	47.4	269.5	89,300*	63.0	280.7	99,400*b																70
75	42.2	264.3	83,200*	58.8	277.8	94,500*b	67.3	281.7	96,600*b													75
80	36.5	258.0	77,300*	54.5	274.4	90,000*	63.3	279.3	92,000*b													80
85	29.7	250.1	70,900*	49.9	270.4	85,700*	59.2	276.4	87,700*b													85
90	21.1	239.1	65,400*	45.0	265.6	81,700*	54.9	273.1	83,600*													90
95				39.5	259.9	78,000*	50.3	269.1	79,700*													95
100				33.4	252.9	74,200*	45.4	264.5	76,100*	61.0	273.8	72,600b										100
105				25.9	243.8	68,200*	40.1	258.9	72,700*	56.8	270.7	68,100										105
110				15.2	229.8	63,000*	34.0	252.0	69,500*	52.4	267.0	64,100										110
115							26.7	243.1	66,500*	47.6	262.7	60,400										115
120							16.5	229.9	63,400	42.5	257.5	57,100										120
125										36.8	251.3	54,100	54.0	263.0	48,000							125
130										30.1	243.4	51,300	49.4	258.9	45,500							130
135										21.6	232.7	48,700	44.4	254.1	43,200							135
140										4.4	209.3	46,100	38.9	248.3	41,100							140
145													32.6	241.1	39,200	50.6	253.1	34,200				145
150													25.0	231.6	37,300	45.7	248.5	32,600				150
155													13.6	216.5	35,500	40.3	243.0	31,100				155
160																34.3	236.2	29,700				160
165																27.1	227.4	28,400				165
170																17.2	214.6	27,100	46.3	240.9	24,300	170
175																			35.1	228.8	22,200	175
180																			28.0	220.4	21,200	180
185																			18.6	208.3	20,200	185

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

200 FT. BOOM, 90 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	71.3	296.3	108,600*b																			45
50	67.9	294.4	103,700*b																			50
55	64.4	292.1	99,100*b																			55
60	60.7	289.4	94,700*																			60
65	57.0	286.3	90,600*	69.6	293.9	100,900*b																65
70	53.1	282.7	85,800*	66.2	291.8	96,200*b																70
75	48.9	278.5	80,200*	62.6	289.3	91,700*b																75
80	44.5	273.7	74,900*	58.9	286.5	87,500*	66.5	290.4	89,000*b													80
85	39.7	268.0	69,800*	55.1	283.1	83,500*	63.0	288.0	85,100*b													85
90	34.3	261.1	65,100*	51.1	279.2	79,700*	59.3	285.1	81,300*													90
95	27.9	252.6	60,700*	46.8	274.8	76,200*	55.5	281.8	77,700*													95
100	19.8	240.8	56,400*	42.2	269.5	72,900*	51.5	278.0	74,300*													100
105				37.1	263.3	68,400*	47.2	273.6	71,100*	60.9	282.5	67,500										105
110				31.4	255.7	63,200*	42.7	268.4	68,100*	57.2	279.4	63,500										110
115				24.3	245.9	58,600*	37.6	262.3	65,200*	53.3	275.8	59,900										115
120				14.3	231.0	54,500*	31.9	254.9	62,500*	49.1	271.7	56,600										120
125							25.1	245.4	59,200*	44.7	266.9	53,600										125
130							15.5	231.2	55,100*	39.9	261.2	50,900	54.7	271.7	45,000							130
135										34.5	254.4	48,300	50.6	267.8	42,700							135
140										28.3	246.0	46,000	46.3	263.3	40,600							140
145										20.3	234.4	43,800	41.7	257.9	38,700							145
150										4.1	209.5	41,600	36.5	251.6	36,900	51.7	262.0	32,000				150
155													30.7	243.8	35,200	47.4	257.6	30,600				155
160													23.5	233.7	33,600	42.9	252.5	29,200				160
165													12.7	217.6	32,100	37.9	246.4	27,900				165
170																32.2	239.1	26,700	48.0	249.9	22,600	170
175																25.5	229.7	25,500	43.5	244.9	21,600	175
180																16.1	215.9	24,300	38.5	239.0	20,700	180
185																			33.0	231.8	19,800	185
190																			26.4	222.7	18,900	190
195																			17.5	209.8	18,000	195

MANITOWOC CRANES, INC.

Manitowoc, Wisconsin 54220 U.S.A.



LIFTCRANE LUFFING JIB CAPACITIES

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

M-250 T

**LUFFING JIB NO. 133 OR NO. 133A ON
BOOM NO. 44A WITH HEAVY LIFT TOP
177,600 LB. COUNTERWEIGHT
360 DEGREE RATING ON SPREAD OUTRIGGERS**

200 FT. BOOM, 100 FT. JIB

JIB OPER. RAD. FEET	88 DEGREE BOOM ANGLE			83 DEGREE BOOM ANGLE			80 DEGREE BOOM ANGLE			75 DEGREE BOOM ANGLE			70 DEGREE BOOM ANGLE			65 DEGREE BOOM ANGLE			60 DEGREE BOOM ANGLE			JIB OPER. RAD. FEET
	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	JIB ANG. DEG.	JIB POINT ELEV. FEET	LUFFING JIB CAPACITY POUNDS	
45	73.2	306.9	104,500*																			45
50	70.2	305.2	100,000*																			50
55	67.1	303.1	95,700*																			55
60	63.9	300.8	91,600*																			60
65	60.7	298.1	87,100*																			65
70	57.3	295.0	82,100*	68.7	302.7	92,800*																70
75	53.8	291.4	77,100*	65.6	300.5	88,700*																75
80	50.1	287.4	72,300*	62.4	298.0	84,800*																80
85	46.2	282.8	67,700*	59.1	295.1	81,100*	65.9	299.1	82,300*													85
90	42.1	277.6	63,200*	55.6	291.8	77,500*	62.7	296.6	78,800*													90
95	37.5	271.4	59,100*	52.0	288.1	74,200*	59.4	293.8	75,500*													95
100	32.4	264.0	55,200*	48.3	283.8	71,000*	55.9	290.5	72,300*													100
105	26.4	254.9	51,700*	44.3	278.9	68,000*	52.4	286.8	69,300*													105
110	18.7	242.4	48,500*	39.9	273.2	63,000*	48.6	282.6	66,400*	60.8	291.1	62,800										110
115				35.1	266.5	58,500*	44.6	277.7	63,700*	57.5	288.1	59,200										115
120				29.7	258.4	54,400*	40.3	272.1	61,100*	54.0	284.6	56,000										120
125				23.0	248.0	50,900*	35.6	265.5	58,600*	50.3	280.6	53,000										125
130				13.5	232.2	47,600*	30.2	257.6	54,900*	46.4	276.0	50,300										130
135							23.7	247.4	51,300*	42.3	270.8	47,800	55.2	280.5	42,000							135
140							14.7	232.5	48,000*	37.7	264.6	45,400	51.6	276.6	39,900							140
145										32.7	257.4	43,300	47.8	272.3	38,000							145
150										26.8	248.3	41,300	43.8	267.3	36,300							150
155										19.2	236.1	39,400	39.4	261.5	34,600	52.6	270.8	29,800				155
160										3.8	209.8	37,500	34.6	254.7	33,100	48.8	266.6	28,500				160
165													29.0	246.4	31,600	44.8	261.8	27,200				165
170													22.2	235.6	30,200	40.6	256.2	26,000				170
175													12.0	218.6	28,900	35.8	249.7	24,900				175
180																30.5	241.8	23,800	45.3	254.1	19,900	180
185																24.1	231.8	22,700	41.1	248.7	19,000	185
190																15.3	217.2	21,700	36.4	242.3	18,200	190
195																			31.2	234.6	17,400	195
200																			24.9	224.9	16,600	200
205																			16.6	211.2	15,900	205