



**LIFT CRANE BOOM CAPACITIES
WITH FOLD UNDER LUFFING JIB ATTACHED**

**M-250
SERIES 2**

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

**MEETS
ANSI B30.5
REQUIREMENTS**

CAPACITIES FOR VARIOUS BOOM LENGTHS AND OPERATING RADII ARE FOR FREELY SUSPENDED LOADS AND DO NOT EXCEED 75% OF A STATIC TIPPING LOAD. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM POINT SHEAVES, IS CONSIDERED PART OF MAIN BOOM LOAD. WEIGHT OF LUFFING JIB AND 5,000 LBS. SUSPENDED BENEATH LUFFING JIB POINT SHEAVES HAVE BEEN INCLUDED IN CAPACITY DETERMINATION. BOOM IS NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH GANTRY UP. DURING OPERATION, LUFFING JIB MUST BE MAINTAINED AT PROPER BOOM TO LUFFING JIB ANGLE SHOWN IN TABLE. REFER TO FOLD UNDER LUFFING JIB ASSEMBLY NO. 175501, WIRE ROPE SPECIFICATION CHART NO. 7581-K, LUFFING JIB RAISING PROCEDURE CHART NO. 7711-A AND COUNTERWEIGHT ARRANGEMENT CHART NO. 7692-A. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, TRAVEL, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

MACHINE MAY BE OPERATED WITHIN WIND LIMITS SHOWN IN TABLE PROVIDED CRANE OPERATOR JUDGMENT IS USED TO ALLOW FOR WIND EFFECT ON LIFTED LOAD AND OTHER CONSIDERATIONS NOTED ON CAPACITY CHART ARE FOLLOWED. WIND WILL HAVE A CONSIDERABLE EFFECT ON A LOAD WITH A LARGE 'SAIL AREA' AND MUST BE COMPENSATED FOR ACCORDINGLY BY REDUCING LOAD RATINGS, REDUCING OPERATING SPEEDS OR BY A COMBINATION OF BOTH. RECOMMEND STOPPING OPERATION WHEN WIND IS ABOVE OPERATING CONDITIONS STATED. LOWER BOOM AND LUFFING JIB TO GROUND WHEN WIND IS ABOVE SPEED REFERRED TO IN MAXIMUM ALLOWABLE WIND CONDITIONS CHART NO. 7785-A.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE WITH BOOM WITHIN ANGLE RANGE SHOWN IN CAPACITY CHART AND LUFFING JIB SET AT PROPER BOOM TO LUFFING JIB ANGLE SHOWN IN TABLE. REFER TO MAXIMUM ALLOWABLE TRAVEL SPECIFICATION CHART NO. 7786-A.

OPERATING RADIUS IS HORIZONTAL DISTANCE FROM AXIS OF ROTATION TO CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS ANGLE BETWEEN HORIZONTAL AND CENTERLINE OF BOOM BUTT AND INSERTS, AND IS AN INDICATION OF OPERATING RADIUS. IN ALL CASES, OPERATING RADIUS SHALL GOVERN CAPACITY. BOOM POINT ELEVATION IS VERTICAL DISTANCE FROM GROUND LEVEL TO CENTERLINE OF BOOM POINT SHAFT.

MACHINE EQUIPPED WITH 30'-9" CRAWLERS, 48" TREADS, 2' BOOM HINGE ADAPTOR, 28' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-1/2" BOOM PENDANTS, 10 PART LUFFING JIB HOIST REEVING, TWO 1-1/2" LUFFING JIB PENDANTS AND BACKSTAYS, 207,000 LB. CRANE COUNTERWEIGHT, AND TWO 30,000 LB. CARBODY COUNTERWEIGHTS.

LUFFING JIB POSITION DURING OPERATION	
LUFFING JIB LENGTH - FEET	BOOM TO LUFFING JIB ANGLE
70	145 DEGREES
80 - 90	150 DEGREES
100 - 110	160 DEGREES
120 - 200	168 DEGREES

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

CONSULT CHART NO. 7717-A FOR LUFFING JIB CAPACITIES

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
70' LUFFING JIB NO. 133A
SET AT 145 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
85	22	83.0	93.7	300,000*
	23	82.3	93.5	295,700*
	24	81.6	93.3	293,900*
	25	80.9	93.1	292,200*
	26	80.2	92.9	290,500*
	27	79.5	92.7	289,000*
	28	78.9	92.4	287,400*
	29	78.2	92.1	286,000*
	30	77.5	91.9	284,600*
	32	76.1	91.3	281,900*
	34	74.6	90.6	279,400*
	36	73.2	89.9	257,100
	38	71.8	89.1	234,200
	40	70.3	88.3	214,500
	42	68.8	87.4	197,300
	44	67.4	86.5	182,200
	46	65.8	85.4	168,900
	48	64.3	84.4	157,000
50	62.8	83.2	146,400	
55	58.8	80.0	124,000	
60	54.6	76.3	106,300	
65	50.1	71.9	91,900	
70	45.3	66.7	79,900	
75	39.9	60.6	68,700*	
95	24	82.5	103.5	289,700*
	25	81.9	103.3	288,100*
	26	81.3	103.1	286,700*
	27	80.7	102.9	285,300*
	28	80.1	102.7	284,000*
	29	79.4	102.4	282,700*
	30	78.8	102.2	281,400*
	32	77.6	101.7	279,100*
	34	76.3	101.1	276,900*
	36	75.0	100.5	258,000
	38	73.8	99.8	235,000
	40	72.5	99.1	215,200
	42	71.2	98.3	198,000
	44	69.9	97.4	182,900
	46	68.6	96.6	169,600
	48	67.3	95.6	157,600
	50	65.9	94.6	147,000
	55	62.5	91.9	124,600
60	58.9	88.7	106,800	
65	55.2	85.0	92,300	
70	51.2	80.9	80,300	
75	47.1	76.0	70,200	
80	42.5	70.4	61,500	
85	37.5	63.8	51,800*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	25	82.7	113.5	284,800*
	26	82.1	113.3	283,500*
	27	81.6	113.1	282,300*
	28	81.0	112.9	281,100*
	29	80.5	112.7	280,000*
	30	79.9	112.5	278,900*
	32	78.8	112.0	276,800*
	34	77.7	111.5	274,900*
	36	76.5	110.9	258,700
	38	75.4	110.3	235,600
	40	74.2	109.7	215,800
	42	73.1	109.0	198,600
	44	71.9	108.2	183,500
	46	70.7	107.4	170,100
	48	69.6	106.6	158,200
	50	68.4	105.7	147,500
	55	65.3	103.3	125,000
	60	62.2	100.5	107,200
65	59.0	97.4	92,700	
70	55.7	93.8	80,700	
75	52.2	89.8	70,600	
80	48.5	85.2	61,900	
85	44.5	79.9	54,400	
90	40.2	73.9	46,800*	
95	35.5	66.7	38,700*	
115	26	82.8	123.5	280,700*
	27	82.3	123.3	279,700*
	28	81.8	123.1	278,700*
	29	81.3	122.9	277,700*
	30	80.8	122.7	276,800*
	32	79.8	122.3	275,000*
	34	78.8	121.8	273,400*
	36	77.7	121.3	259,200
	38	76.7	120.7	236,200
	40	75.7	120.1	216,300
	42	74.6	119.5	199,000
	44	73.6	118.8	183,900
	46	72.5	118.1	170,400
	48	71.4	117.4	158,500
	50	70.4	116.6	147,800
	55	67.7	114.4	125,300
	60	64.9	111.9	107,400
	65	62.0	109.1	92,900
70	59.1	106.0	80,800	
75	56.1	102.5	70,700	
80	52.9	98.6	62,000	
85	49.6	94.2	54,500	
90	46.1	89.2	47,900	
95	42.3	83.6	41,700*	
100	38.3	77.2	34,500*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
125	27	82.9	133.4	253,000*
	28	82.5	133.2	251,400*
	29	82.0	133.1	249,900*
	30	81.5	132.9	248,400*
	32	80.6	132.5	245,500*
	34	79.7	132.1	242,800*
	36	78.7	131.6	240,200*
	38	77.8	131.1	236,400*
	40	76.8	130.5	216,500
	42	75.9	130.0	199,200
	44	74.9	129.4	184,100
	46	74.0	128.7	170,600
	48	73.0	128.0	158,700
	50	72.0	127.3	147,900
	55	69.6	125.3	125,400
	60	67.0	123.1	107,600
	65	64.5	120.6	93,000
	70	61.9	117.8	80,900
75	59.2	114.7	70,700	
80	56.4	111.2	62,000	
85	53.5	107.4	54,500	
90	50.5	103.2	48,000	
95	47.3	98.4	42,200	
100	44.0	93.1	37,100	
105	40.4	87.1	30,600*	
110	36.5	80.3	24,700*	
135	28	83.0	143.4	246,900*
	29	82.6	143.2	245,600*
	30	82.2	143.0	244,300*
	32	81.3	142.7	241,900*
	34	80.4	142.3	239,600*
	36	79.6	141.8	237,400*
	38	78.7	141.4	235,400*
	40	77.8	140.9	216,700
	42	77.0	140.4	199,400
	44	76.1	139.8	184,200
	46	75.2	139.2	170,700
	48	74.3	138.6	158,700
	50	73.4	137.9	148,000
	55	71.2	136.1	125,400
	60	68.9	134.1	107,500
	65	66.5	131.8	92,900
	70	64.2	129.2	80,800
	75	61.7	126.4	70,600
80	59.2	123.4	61,900	
85	56.7	120.0	54,400	
90	54.0	116.2	47,800	
95	51.3	112.1	42,000	
100	48.4	107.5	36,800	
105	45.4	102.5	32,200	
110	42.2	96.8	26,500*	
115	38.8	90.5	21,100*	
120	35.0	83.3	16,100*	

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LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
70' LUFFING JIB NO. 133A
SET AT 145 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 4 5	30	82.7	153.2	239,000*
	32	81.9	152.8	237,000*
	34	81.1	152.5	235,200*
	36	80.3	152.1	233,400*
	38	79.5	151.6	231,700*
	40	78.7	151.2	217,000
	42	77.9	150.7	199,700
	44	77.1	150.2	184,500
	46	76.2	149.6	171,000
	48	75.4	149.0	159,000
	50	74.6	148.4	148,300
	55	72.5	146.8	125,700
	60	70.4	144.9	107,800
	65	68.3	142.8	93,200
	70	66.1	140.5	81,100
	75	63.9	137.9	70,900
	80	61.6	135.1	62,200
	85	59.3	132.0	54,600
	90	56.9	128.7	48,100
	95	54.5	125.0	42,300
100	51.9	121.0	37,100	
105	49.3	116.5	32,500	
110	46.5	111.7	28,400	
115	43.6	106.3	23,400*	
120	40.6	100.4	18,500*	
125	37.3	93.7	14,000*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 5 5	32	82.4	163.0	233,700*
	34	81.7	162.6	232,200*
	36	80.9	162.3	230,700*
	38	80.2	161.9	229,400*
	40	79.4	161.4	217,100
	42	78.7	161.0	199,700
	44	77.9	160.5	184,500
	46	77.2	160.0	171,000
	48	76.4	159.4	159,000
	50	75.6	158.9	148,200
	55	73.7	157.3	125,600
	60	71.7	155.6	107,700
	65	69.7	153.6	93,000
	70	67.7	151.5	80,900
	75	65.7	149.1	70,700
	80	63.6	146.6	61,900
	85	61.5	143.8	54,400
	90	59.3	140.7	47,800
	95	57.1	137.4	42,000
	100	54.8	133.7	36,800
105	52.5	129.8	32,200	
110	50.0	125.5	28,100	
115	47.5	120.8	24,300	
120	44.9	115.7	19,500*	
125	42.1	110.1	15,000*	
130	39.1	103.8	10,900*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	202,100*
	34	82.2	172.8	200,000*
	36	81.5	172.4	198,000*
	38	80.8	172.1	196,100*
	40	80.1	171.7	194,300*
	42	79.4	171.2	192,500*
	44	78.7	170.8	184,400
	46	77.9	170.3	170,900
	48	77.2	169.8	158,900
	50	76.5	169.3	148,100
	55	74.7	167.8	125,500
	60	72.9	166.2	107,500
	65	71.0	164.4	92,800
	70	69.2	162.4	80,700
	75	67.3	160.2	70,500
	80	65.4	157.8	61,700
	85	63.4	155.2	54,200
	90	61.4	152.4	47,500
	95	59.4	149.4	41,700
	100	57.3	146.1	36,600
105	55.2	142.5	32,000	
110	53.0	138.6	27,800	
115	50.7	134.4	24,100	
120	48.4	129.9	20,600*	
125	45.9	124.9	16,100*	
130	43.4	119.5	11,900*	

MANITOWOC ENGINEERING CO.

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LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
80' LUFFING JIB NO. 133A
SET AT 150 DEGREE BOOM TO LUFFING JIB ANGLE
167,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
85	22	83.0	93.7	295,000*
	23	82.3	93.5	293,700*
	24	81.6	93.3	292,300*
	25	80.9	93.1	290,800*
	26	80.2	92.9	289,100*
	27	79.5	92.7	287,400*
	28	78.9	92.4	285,800*
	29	78.2	92.1	284,300*
	30	77.5	91.9	282,800*
	32	76.1	91.3	279,900*
	34	74.6	90.6	277,300*
	36	73.2	89.9	254,100
	38	71.8	89.1	231,100
	40	70.3	88.3	211,400
	42	68.8	87.4	194,200
	44	67.4	86.5	179,200
	46	65.8	85.4	165,900
	48	64.3	84.4	154,000
	50	62.8	83.2	143,400
	55	58.8	80.0	121,100
60	54.6	76.3	103,300	
65	50.1	71.9	88,900	
70	45.3	66.7	76,900	
75	39.9	60.6	64,900*	
80	33.8	53.0	49,600*	
95	24	82.5	103.5	288,200*
	25	81.9	103.3	286,700*
	26	81.3	103.1	285,200*
	27	80.7	102.9	283,700*
	28	80.1	102.7	282,300*
	29	79.4	102.4	280,900*
	30	78.8	102.2	279,600*
	32	77.6	101.7	277,100*
	34	76.3	101.1	274,800*
	36	75.0	100.5	255,100
	38	73.8	99.8	232,100
	40	72.5	99.1	212,400
	42	71.2	98.3	195,200
	44	69.9	97.4	180,100
	46	68.6	96.6	166,700
	48	67.3	95.6	154,800
	50	65.9	94.6	144,200
	55	62.5	91.9	121,800
	60	58.9	88.7	104,000
	65	55.2	85.0	89,500
70	51.2	80.9	77,500	
75	47.1	76.0	67,400	
80	42.5	70.4	58,400*	
85	37.5	63.8	48,200*	
90	31.8	55.6	36,000*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	25	82.7	113.5	283,200*
	26	82.1	113.3	281,900*
	27	81.6	113.1	280,600*
	28	81.0	112.9	279,400*
	29	80.5	112.7	278,200*
	30	79.9	112.5	277,000*
	32	78.8	112.0	274,800*
	34	77.7	111.5	272,800*
	36	76.5	110.9	255,900
	38	75.4	110.3	232,900
	40	74.2	109.7	213,100
	42	73.1	109.0	195,900
	44	71.9	108.2	180,800
	46	70.7	107.4	167,400
	48	69.6	106.6	155,500
	50	68.4	105.7	144,800
	55	65.3	103.3	122,400
	60	62.2	100.5	104,600
	65	59.0	97.4	90,100
	70	55.7	93.8	78,100
75	52.2	89.8	67,900	
80	48.5	85.2	59,300	
85	44.5	79.9	51,800	
90	40.2	73.9	43,500*	
95	35.5	66.7	35,400*	
100	30.0	58.1	25,300*	
115	26	82.8	123.5	279,000*
	27	82.3	123.3	278,000*
	28	81.8	123.1	276,900*
	29	81.3	122.9	275,900*
	30	80.8	122.7	274,900*
	32	79.8	122.3	273,000*
	34	78.8	121.8	271,200*
	36	77.7	121.3	256,600
	38	76.7	120.7	233,500
	40	75.7	120.1	213,700
	42	74.6	119.5	196,400
	44	73.6	118.8	181,300
	46	72.5	118.1	167,900
	48	71.4	117.4	155,900
	50	70.4	116.6	145,200
	55	67.7	114.4	122,800
	60	64.9	111.9	104,900
	65	62.0	109.1	90,400
	70	59.1	106.0	78,300
	75	56.1	102.5	68,200
80	52.9	98.6	59,500	
85	49.6	94.2	52,000	
90	46.1	89.2	45,400	
95	42.3	83.6	38,500*	
100	38.3	77.2	31,300*	
105	33.7	69.6	24,700*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
125	27	82.9	133.4	253,200*
	28	82.5	133.2	251,600*
	29	82.0	133.1	249,900*
	30	81.5	132.9	248,400*
	32	80.6	132.5	245,400*
	34	79.7	132.1	242,600*
	36	78.7	131.6	239,900*
	38	77.8	131.1	233,900*
	40	76.8	130.5	214,000
	42	75.9	130.0	196,700
	44	74.9	129.4	181,600
	46	74.0	128.7	168,200
	48	73.0	128.0	156,200
	50	72.0	127.3	145,500
	55	69.6	125.3	123,000
	60	67.0	123.1	105,100
	65	64.5	120.6	90,600
	70	61.9	117.8	78,500
	75	59.2	114.7	68,400
	80	56.4	111.2	59,700
85	53.5	107.4	52,200	
90	50.5	103.2	45,600	
95	47.3	98.4	39,800	
100	44.0	93.1	34,100*	
105	40.4	87.1	27,600*	
110	36.5	80.3	21,600*	
115	32.2	72.3	16,200*	
135	28	83.0	143.4	246,900*
	29	82.6	143.2	245,500*
	30	82.2	143.0	244,200*
	32	81.3	142.7	241,700*
	34	80.4	142.3	239,200*
	36	79.6	141.8	237,000*
	38	78.7	141.4	234,200
	40	77.8	140.9	214,300
	42	77.0	140.4	197,000
	44	76.1	139.8	181,800
	46	75.2	139.2	168,400
	48	74.3	138.6	156,400
	50	73.4	137.9	145,600
	55	71.2	136.1	123,100
	60	68.9	134.1	105,200
	65	66.5	131.8	90,600
	70	64.2	129.2	78,500
	75	61.7	126.4	68,300
	80	59.2	123.4	59,600
	85	56.7	120.0	52,100
90	54.0	116.2	45,500	
95	51.3	112.1	39,700	
100	48.4	107.5	34,600	
105	45.4	102.5	29,400*	
110	42.2	96.8	23,500*	
115	38.8	90.5	18,100*	
120	35.0	83.3	13,200*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
80' LUFFING JIB NO. 133A
SET AT 150 DEGREE BOOM TO LUFFING JIB ANGLE
167,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 4 5	30	82.7	153.2	238,800*
	32	81.9	152.8	236,700*
	34	81.1	152.5	234,700*
	36	80.3	152.1	232,800*
	38	79.5	151.6	231,000*
	40	78.7	151.2	214,700
	42	77.9	150.7	197,300
	44	77.1	150.2	182,100
	46	76.2	149.6	168,700
	48	75.4	149.0	156,700
	50	74.6	148.4	146,000
	55	72.5	146.8	123,500
	60	70.4	144.9	105,500
	65	68.3	142.8	91,000
	70	66.1	140.5	78,900
	75	63.9	137.9	68,700
	80	61.6	135.1	60,000
	85	59.3	132.0	52,500
	90	56.9	128.7	45,900
	95	54.5	125.0	40,100
100	51.9	121.0	35,000	
105	49.3	116.5	30,400	
110	46.5	111.7	25,900*	
115	43.6	106.3	20,500*	
120	40.6	100.4	15,600*	
125	37.3	93.7	11,100*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 5 5	32	82.4	163.0	233,200*
	34	81.7	162.6	231,600*
	36	80.9	162.3	230,100*
	38	80.2	161.9	228,700*
	40	79.4	161.4	214,800
	42	78.7	161.0	197,500
	44	77.9	160.5	182,300
	46	77.2	160.0	168,800
	48	76.4	159.4	156,800
	50	75.6	158.9	146,000
	55	73.7	157.3	123,400
	60	71.7	155.6	105,500
	65	69.7	153.6	90,900
	70	67.7	151.5	78,700
	75	65.7	149.1	68,500
	80	63.6	146.6	59,800
	85	61.5	143.8	52,300
	90	59.3	140.7	45,700
	95	57.1	137.4	39,900
	100	54.8	133.7	34,700
105	52.5	129.8	30,100	
110	50.0	125.5	26,000	
115	47.5	120.8	21,700*	
120	44.9	115.7	16,800*	
125	42.1	110.1	12,300*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	202,800*
	34	82.2	172.8	200,600*
	36	81.5	172.4	198,500*
	38	80.8	172.1	196,500*
	40	80.1	171.7	194,600*
	42	79.4	171.2	192,800*
	44	78.7	170.8	182,200
	46	77.9	170.3	168,700
	48	77.2	169.8	156,700
	50	76.5	169.3	145,900
	55	74.7	167.8	123,300
	60	72.9	166.2	105,400
	65	71.0	164.4	90,700
	70	69.2	162.4	78,600
	75	67.3	160.2	68,400
	80	65.4	157.8	59,600
	85	63.4	155.2	52,100
	90	61.4	152.4	45,500
	95	59.4	149.4	39,700
	100	57.3	146.1	34,500
105	55.2	142.5	29,900	
110	53.0	138.6	25,800	
115	50.7	134.4	22,000	
120	48.4	129.9	17,900*	
125	45.9	124.9	13,400*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
90' LUFFING JIB NO. 133A
SET AT 150 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
85	22	83.0	93.7	289,900*
	23	82.3	93.5	288,500*
	24	81.6	93.3	286,900*
	25	80.9	93.1	285,300*
	26	80.2	92.9	283,600*
	27	79.5	92.7	281,900*
	28	78.9	92.4	280,200*
	29	78.2	92.1	278,600*
	30	77.5	91.9	277,100*
	32	76.1	91.3	274,100*
	34	74.6	90.6	271,400*
	36	73.2	89.9	249,300
	38	71.8	89.1	226,600
	40	70.3	88.3	207,000
	42	68.8	87.4	190,000
	44	67.4	86.5	175,100
	46	65.8	85.4	161,900
	48	64.3	84.4	150,200
	50	62.8	83.2	139,700
	55	58.8	80.0	117,600
60	54.6	76.3	100,000	
65	50.1	71.9	85,800	
70	45.3	66.7	74,000	
75	39.9	60.6	61,200*	
80	33.8	53.0	46,100*	
95	24	82.5	103.5	283,100*
	25	81.9	103.3	281,400*
	26	81.3	103.1	279,900*
	27	80.7	102.9	278,400*
	28	80.1	102.7	276,900*
	29	79.4	102.4	275,500*
	30	78.8	102.2	274,100*
	32	77.6	101.7	271,600*
	34	76.3	101.1	269,200*
	36	75.0	100.5	250,500
	38	73.8	99.8	227,700
	40	72.5	99.1	208,100
	42	71.2	98.3	191,100
	44	69.9	97.4	176,100
	46	68.6	96.6	162,900
	48	67.3	95.6	151,100
	50	65.9	94.6	140,600
	55	62.5	91.9	118,400
	60	58.9	88.7	100,800
	65	55.2	85.0	86,500
70	51.2	80.9	74,600	
75	47.1	76.0	64,600	
80	42.5	70.4	55,000*	
85	37.5	63.8	44,900*	
90	31.8	55.6	32,800*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	25	82.7	113.5	278,100*
	26	82.1	113.3	276,800*
	27	81.6	113.1	275,500*
	28	81.0	112.9	274,200*
	29	80.5	112.7	273,000*
	30	79.9	112.5	271,800*
	32	78.8	112.0	269,500*
	34	77.7	111.5	267,400*
	36	76.5	110.9	251,400
	38	75.4	110.3	228,600
	40	74.2	109.7	208,900
	42	73.1	109.0	191,900
	44	71.9	108.2	176,900
	46	70.7	107.4	163,700
	48	69.6	106.6	151,900
	50	68.4	105.7	141,300
	55	65.3	103.3	119,100
	60	62.2	100.5	101,500
	65	59.0	97.4	87,200
	70	55.7	93.8	75,300
75	52.2	89.8	65,200	
80	48.5	85.2	56,700	
85	44.5	79.9	49,200*	
90	40.2	73.9	40,300*	
95	35.5	66.7	32,300*	
100	30.0	58.1	22,300*	
115	26	82.8	123.5	274,100*
	27	82.3	123.3	273,000*
	28	81.8	123.1	271,900*
	29	81.3	122.9	270,800*
	30	80.8	122.7	269,800*
	32	79.8	122.3	267,900*
	34	78.8	121.8	266,000*
	36	77.7	121.3	252,200
	38	76.7	120.7	229,300
	40	75.7	120.1	209,600
	42	74.6	119.5	192,500
	44	73.6	118.8	177,500
	46	72.5	118.1	164,300
	48	71.4	117.4	152,400
	50	70.4	116.6	141,800
	55	67.7	114.4	119,600
	60	64.9	111.9	101,900
	65	62.0	109.1	87,500
	70	59.1	106.0	75,600
	75	56.1	102.5	65,500
80	52.9	98.6	56,900	
85	49.6	94.2	49,500	
90	46.1	89.2	43,000	
95	42.3	83.6	35,500*	
100	38.3	77.2	28,400*	
105	33.7	69.6	21,800*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
125	27	82.9	133.4	248,300*
	28	82.5	133.2	246,600*
	29	82.0	133.1	245,000*
	30	81.5	132.9	243,400*
	32	80.6	132.5	240,400*
	34	79.7	132.1	237,500*
	36	78.7	131.6	234,800*
	38	77.8	131.1	229,700
	40	76.8	130.5	210,000
	42	75.9	130.0	192,900
	44	74.9	129.4	177,900
	46	74.0	128.7	164,600
	48	73.0	128.0	152,800
	50	72.0	127.3	142,200
	55	69.6	125.3	119,900
60	67.0	123.1	102,200	
65	64.5	120.6	87,800	
70	61.9	117.8	75,800	
75	59.2	114.7	65,800	
80	56.4	111.2	57,200	
85	53.5	107.4	49,700	
90	50.5	103.2	43,300	
95	47.3	98.4	37,600	
100	44.0	93.1	31,100*	
105	40.4	87.1	24,700*	
110	36.5	80.3	18,900*	
115	32.2	72.3	13,500*	
135	28	83.0	143.4	242,100*
	29	82.6	143.2	240,700*
	30	82.2	143.0	239,400*
	32	81.3	142.7	236,800*
	34	80.4	142.3	234,400*
	36	79.6	141.8	232,100*
	38	78.7	141.4	229,900*
	40	77.8	140.9	210,400
	42	77.0	140.4	193,200
	44	76.1	139.8	178,200
	46	75.2	139.2	164,900
	48	74.3	138.6	153,000
	50	73.4	137.9	142,400
	55	71.2	136.1	120,000
	60	68.9	134.1	102,300
65	66.5	131.8	87,800	
70	64.2	129.2	75,900	
75	61.7	126.4	65,800	
80	59.2	123.4	57,200	
85	56.7	120.0	49,700	
90	54.0	116.2	43,200	
95	51.3	112.1	37,500	
100	48.4	107.5	32,400	
105	45.4	102.5	26,600*	
110	42.2	96.8	20,800*	
115	38.8	90.5	15,500*	
120	35.0	83.3	10,600*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
90' LUFFING JIB NO. 133A
SET AT 150 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 4 5	30	82.7	153.2	234,100*
	32	81.9	152.8	232,000*
	34	81.1	152.5	230,000*
	36	80.3	152.1	228,100*
	38	79.5	151.6	226,300*
	40	78.7	151.2	210,800
	42	77.9	150.7	193,600
	44	77.1	150.2	178,600
	46	76.2	149.6	165,300
	48	75.4	149.0	153,400
	50	74.6	148.4	142,800
	55	72.5	146.8	120,400
	60	70.4	144.9	102,700
	65	68.3	142.8	88,300
	70	66.1	140.5	76,300
	75	63.9	137.9	66,200
	80	61.6	135.1	57,600
	85	59.3	132.0	50,100
	90	56.9	128.7	43,600
	95	54.5	125.0	37,900
100	51.9	121.0	32,800	
105	49.3	116.5	28,300	
110	46.5	111.7	23,200*	
115	43.6	106.3	17,900*	
120	40.6	100.4	13,000*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 5 5	32	82.4	163.0	228,700*
	34	81.7	162.6	227,000*
	36	80.9	162.3	225,500*
	38	80.2	161.9	224,100*
	40	79.4	161.4	211,000
	42	78.7	161.0	193,800
	44	77.9	160.5	178,700
	46	77.2	160.0	165,400
	48	76.4	159.4	153,500
	50	75.6	158.9	142,800
	55	73.7	157.3	120,400
	60	71.7	155.6	102,700
	65	69.7	153.6	88,200
	70	67.7	151.5	76,200
	75	65.7	149.1	66,100
	80	63.6	146.6	57,400
	85	61.5	143.8	49,900
	90	59.3	140.7	43,400
	95	57.1	137.4	37,700
	100	54.8	133.7	32,600
105	52.5	129.8	28,000	
110	50.0	125.5	23,900	
115	47.5	120.8	19,100*	
120	44.9	115.7	14,200*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	198,400*
	34	82.2	172.8	196,200*
	36	81.5	172.4	194,100*
	38	80.8	172.1	192,100*
	40	80.1	171.7	190,200*
	42	79.4	171.2	188,400*
	44	78.7	170.8	178,700
	46	77.9	170.3	165,400
	48	77.2	169.8	153,500
	50	76.5	169.3	142,800
	55	74.7	167.8	120,400
	60	72.9	166.2	102,600
	65	71.0	164.4	88,100
	70	69.2	162.4	76,100
	75	67.3	160.2	65,900
	80	65.4	157.8	57,300
	85	63.4	155.2	49,800
	90	61.4	152.4	43,300
	95	59.4	149.4	37,500
	100	57.3	146.1	32,400
105	55.2	142.5	27,900	
110	53.0	138.6	23,800	
115	50.7	134.4	20,100	
120	48.4	129.9	15,400*	
125	45.9	124.9	10,900*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
100' LUFFING JIB NO. 133A
SET AT 160 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
85	22	83.0	93.7	291,700*
	23	82.3	93.5	290,500*
	24	81.6	93.3	289,400*
	25	80.9	93.1	288,300*
	26	80.2	92.9	287,300*
	27	79.5	92.7	286,300*
	28	78.9	92.4	285,300*
	29	78.2	92.1	284,200*
	30	77.5	91.9	283,000*
	32	76.1	91.3	280,000*
	34	74.6	90.6	277,000*
	36	73.2	89.9	250,100
	38	71.8	89.1	227,100
	40	70.3	88.3	207,200
	42	68.8	87.4	190,000
	44	67.4	86.5	174,800
	46	65.8	85.4	161,400
	48	64.3	84.4	149,500
50	62.8	83.2	138,800	
55	58.8	80.0	116,300	
60	54.6	76.3	98,400	
65	50.1	71.9	83,900	
70	45.3	66.7	71,600*	
75	39.9	60.6	58,100*	
80	33.8	53.0	42,700*	
85	26.3	43.0	26,200*	
95	24	82.5	103.5	289,500*
	25	81.9	103.3	287,800*
	26	81.3	103.1	286,100*
	27	80.7	102.9	284,400*
	28	80.1	102.7	282,800*
	29	79.4	102.4	281,300*
	30	78.8	102.2	279,800*
	32	77.6	101.7	277,000*
	34	76.3	101.1	274,400*
	36	75.0	100.5	251,600
	38	73.8	99.8	228,500
	40	72.5	99.1	208,600
	42	71.2	98.3	191,300
	44	69.9	97.4	176,100
	46	68.6	96.6	162,700
	48	67.3	95.6	150,700
	50	65.9	94.6	140,000
	55	62.5	91.9	117,400
60	58.9	88.7	99,500	
65	55.2	85.0	85,000	
70	51.2	80.9	72,900	
75	47.1	76.0	62,700	
80	42.5	70.4	52,100*	
85	37.5	63.8	41,800*	
90	31.8	55.6	29,500*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	25	82.7	113.5	284,100*
	26	82.1	113.3	282,600*
	27	81.6	113.1	281,200*
	28	81.0	112.9	279,800*
	29	80.5	112.7	278,400*
	30	79.9	112.5	277,100*
	32	78.8	112.0	274,600*
	34	77.7	111.5	272,300*
	36	76.5	110.9	252,800
	38	75.4	110.3	229,600
	40	74.2	109.7	209,700
	42	73.1	109.0	192,400
	44	71.9	108.2	177,200
	46	70.7	107.4	163,700
	48	69.6	106.6	151,700
	50	68.4	105.7	141,000
	55	65.3	103.3	118,400
	60	62.2	100.5	100,500
65	59.0	97.4	85,900	
70	55.7	93.8	73,800	
75	52.2	89.8	63,600	
80	48.5	85.2	54,900	
85	44.5	79.9	46,600*	
90	40.2	73.9	37,500*	
95	35.5	66.7	29,300*	
100	30.0	58.1	19,200*	
115	26	82.8	123.5	279,600*
	27	82.3	123.3	278,400*
	28	81.8	123.1	277,200*
	29	81.3	122.9	276,000*
	30	80.8	122.7	274,900*
	32	79.8	122.3	272,800*
	34	78.8	121.8	270,700*
	36	77.7	121.3	253,700
	38	76.7	120.7	230,500
	40	75.7	120.1	210,600
	42	74.6	119.5	193,200
	44	73.6	118.8	178,000
	46	72.5	118.1	164,500
	48	71.4	117.4	152,500
	50	70.4	116.6	141,700
	55	67.7	114.4	119,100
	60	64.9	111.9	101,100
	65	62.0	109.1	86,500
70	59.1	106.0	74,400	
75	56.1	102.5	64,100	
80	52.9	98.6	55,400	
85	49.6	94.2	47,800	
90	46.1	89.2	41,000*	
95	42.3	83.6	32,900*	
100	38.3	77.2	25,600*	
105	33.7	69.6	18,900*	
110	28.5	60.4	10,300*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
125	27	82.9	133.4	257,700*
	28	82.5	133.2	255,900*
	29	82.0	133.1	254,100*
	30	81.5	132.9	252,400*
	32	80.6	132.5	249,200*
	34	79.7	132.1	246,100*
	36	78.7	131.6	243,100*
	38	77.8	131.1	231,100
	40	76.8	130.5	211,100
	42	75.9	130.0	193,700
	44	74.9	129.4	178,500
	46	74.0	128.7	165,000
	48	73.0	128.0	153,000
	50	72.0	127.3	142,200
	55	69.6	125.3	119,600
	60	67.0	123.1	101,600
	65	64.5	120.6	87,000
	70	61.9	117.8	74,800
75	59.2	114.7	64,600	
80	56.4	111.2	55,800	
85	53.5	107.4	48,300	
90	50.5	103.2	41,600	
95	47.3	98.4	35,800	
100	44.0	93.1	28,700*	
105	40.4	87.1	22,200*	
110	36.5	80.3	16,200*	
115	32.2	72.3	10,600*	
135	28	83.0	143.4	250,800*
	29	82.6	143.2	249,300*
	30	82.2	143.0	247,800*
	32	81.3	142.7	245,100*
	34	80.4	142.3	242,400*
	36	79.6	141.8	239,900*
	38	78.7	141.4	231,600
	40	77.8	140.9	211,600
	42	77.0	140.4	194,200
	44	76.1	139.8	178,900
	46	75.2	139.2	165,400
	48	74.3	138.6	153,300
	50	73.4	137.9	142,500
	55	71.2	136.1	119,900
	60	68.9	134.1	101,800
	65	66.5	131.8	87,200
	70	64.2	129.2	75,000
	75	61.7	126.4	64,700
80	59.2	123.4	56,000	
85	56.7	120.0	48,400	
90	54.0	116.2	41,800	
95	51.3	112.1	35,900	
100	48.4	107.5	30,700	
105	45.4	102.5	24,300*	
110	42.2	96.8	18,400*	
115	38.8	90.5	12,900*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
100' LUFFING JIB NO. 133A
SET AT 160 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 4 5	30	82.7	153.2	243,700*
	32	81.9	152.8	241,300*
	34	81.1	152.5	239,100*
	36	80.3	152.1	237,000*
	38	79.5	151.6	232,200
	40	78.7	151.2	212,100
	42	77.9	150.7	194,700
	44	77.1	150.2	179,400
	46	76.2	149.6	165,900
	48	75.4	149.0	153,900
	50	74.6	148.4	143,100
	55	72.5	146.8	120,400
	60	70.4	144.9	102,400
	65	68.3	142.8	87,700
	70	66.1	140.5	75,500
	75	63.9	137.9	65,300
	80	61.6	135.1	56,500
	85	59.3	132.0	48,900
	90	56.9	128.7	42,300
	95	54.5	125.0	36,500
100	51.9	121.0	31,300	
105	49.3	116.5	26,700	
110	46.5	111.7	20,900*	
115	43.6	106.3	15,600*	
120	40.6	100.4	10,600*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 5 5	32	82.4	163.0	236,000*
	34	81.7	162.6	234,200*
	36	80.9	162.3	232,500*
	38	80.2	161.9	230,900*
	40	79.4	161.4	212,500
	42	78.7	161.0	195,000
	44	77.9	160.5	179,700
	46	77.2	160.0	166,100
	48	76.4	159.4	154,100
	50	75.6	158.9	143,200
	55	73.7	157.3	120,500
	60	71.7	155.6	102,400
	65	69.7	153.6	87,800
	70	67.7	151.5	75,600
	75	65.7	149.1	65,300
	80	63.6	146.6	56,500
	85	61.5	143.8	48,900
	90	59.3	140.7	42,300
	95	57.1	137.4	36,400
	100	54.8	133.7	31,200
105	52.5	129.8	26,600	
110	50.0	125.5	22,400*	
115	47.5	120.8	16,900*	
120	44.9	115.7	12,000*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	208,000*
	34	82.2	172.8	205,600*
	36	81.5	172.4	203,300*
	38	80.8	172.1	201,000*
	40	80.1	171.7	198,900*
	42	79.4	171.2	195,100
	44	78.7	170.8	179,800
	46	77.9	170.3	166,200
	48	77.2	169.8	154,100
	50	76.5	169.3	143,300
	55	74.7	167.8	120,500
	60	72.9	166.2	102,500
	65	71.0	164.4	87,800
	70	69.2	162.4	75,500
	75	67.3	160.2	65,300
	80	65.4	157.8	56,500
	85	63.4	155.2	48,900
	90	61.4	152.4	42,200
	95	59.4	149.4	36,400
	100	57.3	146.1	31,200
105	55.2	142.5	26,500	
110	53.0	138.6	22,400	
115	50.7	134.4	18,300*	
120	48.4	129.9	13,300*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
110' LUFFING JIB NO. 133A
SET AT 160 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
85	22	83.0	93.7	287,400*
	23	82.3	93.5	286,200*
	24	81.6	93.3	284,900*
	25	80.9	93.1	283,800*
	26	80.2	92.9	282,700*
	27	79.5	92.7	281,600*
	28	78.9	92.4	280,600*
	29	78.2	92.1	279,500*
	30	77.5	91.9	278,200*
	32	76.1	91.3	275,300*
	34	74.6	90.6	272,200*
	36	73.2	89.9	245,400
	38	71.8	89.1	222,500
	40	70.3	88.3	202,800
	42	68.8	87.4	185,700
	44	67.4	86.5	170,700
	46	65.8	85.4	157,400
	48	64.3	84.4	145,500
	50	62.8	83.2	134,900
	55	58.8	80.0	112,600
60	54.6	76.3	94,900	
65	50.1	71.9	80,500	
70	45.3	66.7	67,400*	
75	39.9	60.6	54,000*	
80	33.8	53.0	38,700*	
85	26.3	43.0	22,400*	
95	24	82.5	103.5	285,400*
	25	81.9	103.3	283,600*
	26	81.3	103.1	281,800*
	27	80.7	102.9	280,100*
	28	80.1	102.7	278,500*
	29	79.4	102.4	276,900*
	30	78.8	102.2	275,400*
	32	77.6	101.7	272,500*
	34	76.3	101.1	269,700*
	36	75.0	100.5	247,100
	38	73.8	99.8	224,100
	40	72.5	99.1	204,400
	42	71.2	98.3	187,200
	44	69.9	97.4	172,100
	46	68.6	96.6	158,800
	48	67.3	95.6	146,900
	50	65.9	94.6	136,300
	55	62.5	91.9	113,900
	60	58.9	88.7	96,200
	65	55.2	85.0	81,700
70	51.2	80.9	69,700	
75	47.1	76.0	59,600	
80	42.5	70.4	48,300*	
85	37.5	63.8	38,100*	
90	31.8	55.6	25,900*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	25	82.7	113.5	280,000*
	26	82.1	113.3	278,500*
	27	81.6	113.1	277,000*
	28	81.0	112.9	275,600*
	29	80.5	112.7	274,200*
	30	79.9	112.5	272,800*
	32	78.8	112.0	270,200*
	34	77.7	111.5	267,800*
	36	76.5	110.9	248,400
	38	75.4	110.3	225,400
	40	74.2	109.7	205,600
	42	73.1	109.0	188,400
	44	71.9	108.2	173,300
	46	70.7	107.4	160,000
	48	69.6	106.6	148,100
	50	68.4	105.7	137,400
	55	65.3	103.3	115,000
	60	62.2	100.5	97,300
	65	59.0	97.4	82,800
	70	55.7	93.8	70,800
75	52.2	89.8	60,700	
80	48.5	85.2	52,000	
85	44.5	79.9	43,000*	
90	40.2	73.9	34,000*	
95	35.5	66.7	25,900*	
100	30.0	58.1	15,800*	
115	26	82.8	123.5	275,700*
	27	82.3	123.3	274,400*
	28	81.8	123.1	273,100*
	29	81.3	122.9	271,900*
	30	80.8	122.7	270,800*
	32	79.8	122.3	268,500*
	34	78.8	121.8	266,400*
	36	77.7	121.3	249,500
	38	76.7	120.7	226,400
	40	75.7	120.1	206,600
	42	74.6	119.5	189,400
	44	73.6	118.8	174,200
	46	72.5	118.1	160,900
	48	71.4	117.4	148,900
	50	70.4	116.6	138,300
	55	67.7	114.4	115,800
	60	64.9	111.9	98,000
	65	62.0	109.1	83,500
	70	59.1	106.0	71,500
	75	56.1	102.5	61,300
80	52.9	98.6	52,600	
85	49.6	94.2	45,100	
90	46.1	89.2	37,600*	
95	42.3	83.6	29,600*	
100	38.3	77.2	22,300*	
105	33.7	69.6	15,800*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
125	27	82.9	133.4	253,900*
	28	82.5	133.2	252,100*
	29	82.0	133.1	250,400*
	30	81.5	132.9	248,600*
	32	80.6	132.5	245,300*
	34	79.7	132.1	242,200*
	36	78.7	131.6	239,200*
	38	77.8	131.1	227,100
	40	76.8	130.5	207,300
	42	75.9	130.0	190,000
	44	74.9	129.4	174,900
	46	74.0	128.7	161,500
	48	73.0	128.0	149,500
	50	72.0	127.3	138,900
	55	69.6	125.3	116,400
	60	67.0	123.1	98,600
	65	64.5	120.6	84,000
	70	61.9	117.8	72,000
	75	59.2	114.7	61,800
	80	56.4	111.2	53,200
85	53.5	107.4	45,700	
90	50.5	103.2	39,100	
95	47.3	98.4	32,700*	
100	44.0	93.1	25,500*	
105	40.4	87.1	19,000*	
110	36.5	80.3	13,100*	
135	28	83.0	143.4	247,100*
	29	82.6	143.2	245,600*
	30	82.2	143.0	244,100*
	32	81.3	142.7	241,300*
	34	80.4	142.3	238,600*
	36	79.6	141.8	236,100*
	38	78.7	141.4	227,700
	40	77.8	140.9	207,800
	42	77.0	140.4	190,500
	44	76.1	139.8	175,400
	46	75.2	139.2	161,900
	48	74.3	138.6	150,000
	50	73.4	137.9	139,300
	55	71.2	136.1	116,800
	60	68.9	134.1	98,900
	65	66.5	131.8	84,300
	70	64.2	129.2	72,300
	75	61.7	126.4	62,100
	80	59.2	123.4	53,400
	85	56.7	120.0	45,900
90	54.0	116.2	39,300	
95	51.3	112.1	33,500	
100	48.4	107.5	27,700*	
105	45.4	102.5	21,300*	
110	42.2	96.8	15,400*	
115	38.8	90.5	10,000*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
110' LUFFING JIB NO. 133A
SET AT 160 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 4 5	30	82.7	153.2	238,500*
	32	81.9	152.8	236,100*
	34	81.1	152.5	233,900*
	36	80.3	152.1	231,700*
	38	79.5	151.6	228,300
	40	78.7	151.2	208,400
	42	77.9	150.7	191,100
	44	77.1	150.2	176,000
	46	76.2	149.6	162,500
	48	75.4	149.0	150,600
	50	74.6	148.4	139,900
	55	72.5	146.8	117,400
	60	70.4	144.9	99,500
	65	68.3	142.8	84,900
	70	66.1	140.5	72,900
	75	63.9	137.9	62,700
	80	61.6	135.1	54,000
	85	59.3	132.0	46,500
90	56.9	128.7	39,900	
95	54.5	125.0	34,100	
100	51.9	121.0	29,000	
105	49.3	116.5	23,900*	
110	46.5	111.7	18,000*	
115	43.6	106.3	12,700*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 5 5	32	82.4	163.0	232,500*
	34	81.7	162.6	230,600*
	36	80.9	162.3	228,900*
	38	80.2	161.9	227,200*
	40	79.4	161.4	208,800
	42	78.7	161.0	191,500
	44	77.9	160.5	176,300
	46	77.2	160.0	162,800
	48	76.4	159.4	150,800
	50	75.6	158.9	140,100
	55	73.7	157.3	117,500
	60	71.7	155.6	99,600
	65	69.7	153.6	85,000
	70	67.7	151.5	72,900
	75	65.7	149.1	62,700
	80	63.6	146.6	54,000
	85	61.5	143.8	46,500
	90	59.3	140.7	39,900
95	57.1	137.4	34,100	
100	54.8	133.7	29,000	
105	52.5	129.8	24,400	
110	50.0	125.5	19,500*	
115	47.5	120.8	14,100*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	204,600*
	34	82.2	172.8	202,200*
	36	81.5	172.4	199,900*
	38	80.8	172.1	197,700*
	40	80.1	171.7	195,600*
	42	79.4	171.2	191,600
	44	78.7	170.8	176,400
	46	77.9	170.3	163,000
	48	77.2	169.8	151,000
	50	76.5	169.3	140,200
	55	74.7	167.8	117,600
	60	72.9	166.2	99,700
	65	71.0	164.4	85,100
	70	69.2	162.4	73,000
	75	67.3	160.2	62,800
	80	65.4	157.8	54,000
	85	63.4	155.2	46,500
	90	61.4	152.4	39,900
95	59.4	149.4	34,100	
100	57.3	146.1	29,000	
105	55.2	142.5	24,400	
110	53.0	138.6	20,200	
115	50.7	134.4	15,500*	
120	48.4	129.9	10,600*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
120' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
85	22	83.0	93.7	290,700*
	23	82.3	93.5	289,300*
	24	81.6	93.3	288,000*
	25	80.9	93.1	286,700*
	26	80.2	92.9	285,500*
	27	79.5	92.7	284,300*
	28	78.9	92.4	283,100*
	29	78.2	92.1	282,000*
	30	77.5	91.9	280,900*
	32	76.1	91.3	279,000*
	34	74.6	90.6	275,000
	36	73.2	89.9	247,600
	38	71.8	89.1	224,200
	40	70.3	88.3	204,100
	42	68.8	87.4	186,600
	44	67.4	86.5	171,300
	46	65.8	85.4	157,700
	48	64.3	84.4	145,600
50	62.8	83.2	134,800	
55	58.8	80.0	112,000	
60	54.6	76.3	93,900	
65	50.1	71.9	79,100	
70	45.3	66.7	65,200*	
75	39.9	60.6	51,400*	
80	33.8	53.0	35,800*	
85	26.3	43.0	19,000*	
95	24	82.5	103.5	290,500*
	25	81.9	103.3	289,200*
	26	81.3	103.1	287,800*
	27	80.7	102.9	286,300*
	28	80.1	102.7	284,700*
	29	79.4	102.4	283,100*
	30	78.8	102.2	281,400*
	32	77.6	101.7	278,300*
	34	76.3	101.1	275,300*
	36	75.0	100.5	249,500
	38	73.8	99.8	226,100
	40	72.5	99.1	206,000
	42	71.2	98.3	188,500
	44	69.9	97.4	173,100
	46	68.6	96.6	159,500
	48	67.3	95.6	147,400
	50	65.9	94.6	136,500
	55	62.5	91.9	113,700
60	58.9	88.7	95,500	
65	55.2	85.0	80,800	
70	51.2	80.9	68,500	
75	47.1	76.0	58,000*	
80	42.5	70.4	46,000*	
85	37.5	63.8	35,500*	
90	31.8	55.6	23,000*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	25	82.7	113.5	286,400*
	26	82.1	113.3	284,700*
	27	81.6	113.1	283,100*
	28	81.0	112.9	281,600*
	29	80.5	112.7	280,100*
	30	79.9	112.5	278,600*
	32	78.8	112.0	275,800*
	34	77.7	111.5	273,200*
	36	76.5	110.9	251,000
	38	75.4	110.3	227,600
	40	74.2	109.7	207,500
	42	73.1	109.0	189,900
	44	71.9	108.2	174,500
	46	70.7	107.4	160,900
	48	69.6	106.6	148,800
	50	68.4	105.7	137,900
	55	65.3	103.3	115,100
	60	62.2	100.5	96,900
65	59.0	97.4	82,100	
70	55.7	93.8	69,900	
75	52.2	89.8	59,500	
80	48.5	85.2	50,600	
85	44.5	79.9	40,900*	
90	40.2	73.9	31,600*	
95	35.5	66.7	23,300*	
100	30.0	58.1	13,000*	
115	26	82.8	123.5	281,700*
	27	82.3	123.3	280,300*
	28	81.8	123.1	279,000*
	29	81.3	122.9	277,600*
	30	80.8	122.7	276,400*
	32	79.8	122.3	274,000*
	34	78.8	121.8	271,700*
	36	77.7	121.3	252,300
	38	76.7	120.7	228,900
	40	75.7	120.1	208,600
	42	74.6	119.5	191,100
	44	73.6	118.8	175,700
	46	72.5	118.1	162,000
	48	71.4	117.4	149,900
	50	70.4	116.6	139,000
	55	67.7	114.4	116,100
	60	64.9	111.9	97,900
	65	62.0	109.1	83,100
70	59.1	106.0	70,800	
75	56.1	102.5	60,400	
80	52.9	98.6	51,500	
85	49.6	94.2	43,800	
90	46.1	89.2	35,700*	
95	42.3	83.6	27,400*	
100	38.3	77.2	20,000*	
105	33.7	69.6	13,200*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
125	27	82.9	133.4	262,800*
	28	82.5	133.2	260,800*
	29	82.0	133.1	258,900*
	30	81.5	132.9	257,100*
	32	80.6	132.5	253,500*
	34	79.7	132.1	250,200*
	36	78.7	131.6	247,000*
	38	77.8	131.1	229,700
	40	76.8	130.5	209,500
	42	75.9	130.0	191,900
	44	74.9	129.4	176,500
	46	74.0	128.7	162,800
	48	73.0	128.0	150,600
	50	72.0	127.3	139,700
	55	69.6	125.3	116,800
	60	67.0	123.1	98,600
	65	64.5	120.6	83,800
	70	61.9	117.8	71,500
75	59.2	114.7	61,100	
80	56.4	111.2	52,300	
85	53.5	107.4	44,600	
90	50.5	103.2	37,900	
95	47.3	98.4	30,900*	
100	44.0	93.1	23,500*	
105	40.4	87.1	16,900*	
110	36.5	80.3	10,800*	
135	28	83.0	143.4	255,400*
	29	82.6	143.2	253,800*
	30	82.2	143.0	252,200*
	32	81.3	142.7	249,200*
	34	80.4	142.3	246,300*
	36	79.6	141.8	243,500*
	38	78.7	141.4	230,500
	40	77.8	140.9	210,200
	42	77.0	140.4	192,600
	44	76.1	139.8	177,100
	46	75.2	139.2	163,400
	48	74.3	138.6	151,200
	50	73.4	137.9	140,300
	55	71.2	136.1	117,400
	60	68.9	134.1	99,100
	65	66.5	131.8	84,300
	70	64.2	129.2	71,900
	75	61.7	126.4	61,600
80	59.2	123.4	52,700	
85	56.7	120.0	45,000	
90	54.0	116.2	38,300	
95	51.3	112.1	32,300	
100	48.4	107.5	26,000*	
105	45.4	102.5	19,400*	
110	42.2	96.8	13,300*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
120' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 4 5	30	82.7	153.2	247,800*
	32	81.9	152.8	245,200*
	34	81.1	152.5	242,800*
	36	80.3	152.1	240,400*
	38	79.5	151.6	231,200
	40	78.7	151.2	210,900
	42	77.9	150.7	193,300
	44	77.1	150.2	177,800
	46	76.2	149.6	164,100
	48	75.4	149.0	152,000
	50	74.6	148.4	141,000
	55	72.5	146.8	118,100
	60	70.4	144.9	99,900
	65	68.3	142.8	85,000
	70	66.1	140.5	72,700
	75	63.9	137.9	62,300
	80	61.6	135.1	53,400
	85	59.3	132.0	45,800
	90	56.9	128.7	39,000
	95	54.5	125.0	33,100
100	51.9	121.0	27,900	
105	49.3	116.5	22,200*	
110	46.5	111.7	16,200*	
115	43.6	106.3	10,800*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 5 5	32	82.4	163.0	239,700*
	34	81.7	162.6	237,600*
	36	80.9	162.3	235,700*
	38	80.2	161.9	231,700
	40	79.4	161.4	211,400
	42	78.7	161.0	193,700
	44	77.9	160.5	178,200
	46	77.2	160.0	164,500
	48	76.4	159.4	152,300
	50	75.6	158.9	141,400
	55	73.7	157.3	118,400
	60	71.7	155.6	100,100
	65	69.7	153.6	85,200
	70	67.7	151.5	72,900
	75	65.7	149.1	62,500
	80	63.6	146.6	53,600
	85	61.5	143.8	45,900
	90	59.3	140.7	39,200
	95	57.1	137.4	33,200
	100	54.8	133.7	28,000
105	52.5	129.8	23,300	
110	50.0	125.5	17,900*	
115	47.5	120.8	12,400*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	215,800*
	34	82.2	172.8	213,100*
	36	81.5	172.4	210,500*
	38	80.8	172.1	208,100*
	40	80.1	171.7	205,700*
	42	79.4	171.2	194,000
	44	78.7	170.8	178,500
	46	77.9	170.3	164,800
	48	77.2	169.8	152,500
	50	76.5	169.3	141,600
	55	74.7	167.8	118,600
	60	72.9	166.2	100,300
	65	71.0	164.4	85,400
	70	69.2	162.4	73,000
	75	67.3	160.2	62,600
	80	65.4	157.8	53,700
	85	63.4	155.2	46,000
	90	61.4	152.4	39,300
	95	59.4	149.4	33,400
	100	57.3	146.1	28,100
105	55.2	142.5	23,400	
110	53.0	138.6	19,200	
115	50.7	134.4	13,900*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
130' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
85	22	83.0	93.7	288,000*
	23	82.3	93.5	286,500*
	24	81.6	93.3	285,100*
	25	80.9	93.1	283,700*
	26	80.2	92.9	282,400*
	27	79.5	92.7	281,100*
	28	78.9	92.4	279,900*
	29	78.2	92.1	278,700*
	30	77.5	91.9	277,600*
	32	76.1	91.3	275,500*
	34	74.6	90.6	271,500
	36	73.2	89.9	244,200
	38	71.8	89.1	220,900
	40	70.3	88.3	200,900
	42	68.8	87.4	183,500
	44	67.4	86.5	168,300
	46	65.8	85.4	154,800
	48	64.3	84.4	142,700
	50	62.8	83.2	131,900
	55	58.8	80.0	109,300
60	54.6	76.3	91,200	
65	50.1	71.9	76,600	
70	45.3	66.7	62,000*	
75	39.9	60.6	48,300*	
80	33.8	53.0	32,700*	
85	26.3	43.0	16,000*	
95	24	82.5	103.5	287,800*
	25	81.9	103.3	286,400*
	26	81.3	103.1	285,000*
	27	80.7	102.9	283,500*
	28	80.1	102.7	281,900*
	29	79.4	102.4	280,200*
	30	78.8	102.2	278,500*
	32	77.6	101.7	275,200*
	34	76.3	101.1	272,100*
	36	75.0	100.5	246,300
	38	73.8	99.8	223,000
	40	72.5	99.1	203,000
	42	71.2	98.3	185,500
	44	69.9	97.4	170,200
	46	68.6	96.6	156,700
	48	67.3	95.6	144,700
	50	65.9	94.6	133,800
	55	62.5	91.9	111,100
	60	58.9	88.7	93,100
	65	55.2	85.0	78,400
70	51.2	80.9	66,200	
75	47.1	76.0	55,000*	
80	42.5	70.4	43,200*	
85	37.5	63.8	32,700*	
90	31.8	55.6	20,300*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	25	82.7	113.5	283,900*
	26	82.1	113.3	282,200*
	27	81.6	113.1	280,500*
	28	81.0	112.9	278,900*
	29	80.5	112.7	277,300*
	30	79.9	112.5	275,800*
	32	78.8	112.0	272,900*
	34	77.7	111.5	270,200*
	36	76.5	110.9	248,000
	38	75.4	110.3	224,600
	40	74.2	109.7	204,600
	42	73.1	109.0	187,100
	44	71.9	108.2	171,800
	46	70.7	107.4	158,300
	48	69.6	106.6	146,200
	50	68.4	105.7	135,400
	55	65.3	103.3	112,600
	60	62.2	100.5	94,600
	65	59.0	97.4	79,900
	70	55.7	93.8	67,700
75	52.2	89.8	57,300	
80	48.5	85.2	48,500	
85	44.5	79.9	38,300*	
90	40.2	73.9	29,000*	
95	35.5	66.7	20,700*	
100	30.0	58.1	10,500*	
115	26	82.8	123.5	279,200*
	27	82.3	123.3	277,800*
	28	81.8	123.1	276,400*
	29	81.3	122.9	275,100*
	30	80.8	122.7	273,700*
	32	79.8	122.3	271,200*
	34	78.8	121.8	268,800*
	36	77.7	121.3	249,400
	38	76.7	120.7	226,000
	40	75.7	120.1	205,900
	42	74.6	119.5	188,400
	44	73.6	118.8	173,100
	46	72.5	118.1	159,500
	48	71.4	117.4	147,400
	50	70.4	116.6	136,500
	55	67.7	114.4	113,800
	60	64.9	111.9	95,600
	65	62.0	109.1	80,900
	70	59.1	106.0	68,700
	75	56.1	102.5	58,400
80	52.9	98.6	49,500	
85	49.6	94.2	41,900	
90	46.1	89.2	33,200*	
95	42.3	83.6	25,000*	
100	38.3	77.2	17,600*	
105	33.7	69.6	10,800*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
125	27	82.9	133.4	260,500*
	28	82.5	133.2	258,500*
	29	82.0	133.1	256,600*
	30	81.5	132.9	254,700*
	32	80.6	132.5	251,100*
	34	79.7	132.1	247,700*
	36	78.7	131.6	244,400*
	38	77.8	131.1	226,900
	40	76.8	130.5	206,800
	42	75.9	130.0	189,300
	44	74.9	129.4	174,000
	46	74.0	128.7	160,400
	48	73.0	128.0	148,300
	50	72.0	127.3	137,400
	55	69.6	125.3	114,600
	60	67.0	123.1	96,500
	65	64.5	120.6	81,700
	70	61.9	117.8	69,500
	75	59.2	114.7	59,200
	80	56.4	111.2	50,400
85	53.5	107.4	42,700	
90	50.5	103.2	36,100	
95	47.3	98.4	28,600*	
100	44.0	93.1	21,200*	
105	40.4	87.1	14,600*	
135	28	83.0	143.4	253,200*
	29	82.6	143.2	251,500*
	30	82.2	143.0	249,900*
	32	81.3	142.7	246,800*
	34	80.4	142.3	243,900*
	36	79.6	141.8	241,100*
	38	78.7	141.4	227,800
	40	77.8	140.9	207,600
	42	77.0	140.4	190,100
	44	76.1	139.8	174,700
	46	75.2	139.2	161,100
	48	74.3	138.6	148,900
	50	73.4	137.9	138,000
	55	71.2	136.1	115,200
	60	68.9	134.1	97,100
	65	66.5	131.8	82,300
	70	64.2	129.2	70,000
	75	61.7	126.4	59,700
	80	59.2	123.4	50,800
	85	56.7	120.0	43,200
90	54.0	116.2	36,500	
95	51.3	112.1	30,600	
100	48.4	107.5	23,800*	
105	45.4	102.5	17,200*	
110	42.2	96.8	11,200*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
130' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 4 5	30	82.7	153.2	245,600*
	32	81.9	152.8	243,000*
	34	81.1	152.5	240,400*
	36	80.3	152.1	238,000*
	38	79.5	151.6	228,600
	40	78.7	151.2	208,400
	42	77.9	150.7	190,900
	44	77.1	150.2	175,500
	46	76.2	149.6	161,800
	48	75.4	149.0	149,700
	50	74.6	148.4	138,800
	55	72.5	146.8	116,000
	60	70.4	144.9	97,900
	65	68.3	142.8	83,100
	70	66.1	140.5	70,800
	75	63.9	137.9	60,500
	80	61.6	135.1	51,700
	85	59.3	132.0	44,000
	90	56.9	128.7	37,300
	95	54.5	125.0	31,500
100	51.9	121.0	26,200	
105	49.3	116.5	20,100*	
110	46.5	111.7	14,200*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 5 5	32	82.4	163.0	237,500*
	34	81.7	162.6	235,400*
	36	80.9	162.3	233,400*
	38	80.2	161.9	229,200
	40	79.4	161.4	209,000
	42	78.7	161.0	191,400
	44	77.9	160.5	175,900
	46	77.2	160.0	162,300
	48	76.4	159.4	150,100
	50	75.6	158.9	139,200
	55	73.7	157.3	116,400
	60	71.7	155.6	98,200
	65	69.7	153.6	83,400
	70	67.7	151.5	71,100
	75	65.7	149.1	60,700
	80	63.6	146.6	51,900
	85	61.5	143.8	44,200
	90	59.3	140.7	37,500
	95	57.1	137.4	31,600
	100	54.8	133.7	26,400
105	52.5	129.8	21,700	
110	50.0	125.5	15,900*	
115	47.5	120.8	10,400*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	213,800*
	34	82.2	172.8	211,100*
	36	81.5	172.4	208,500*
	38	80.8	172.1	206,000*
	40	80.1	171.7	203,600*
	42	79.4	171.2	191,700
	44	78.7	170.8	176,200
	46	77.9	170.3	162,600
	48	77.2	169.8	150,400
	50	76.5	169.3	139,500
	55	74.7	167.8	116,600
	60	72.9	166.2	98,400
	65	71.0	164.4	83,600
	70	69.2	162.4	71,300
	75	67.3	160.2	60,900
	80	65.4	157.8	52,100
	85	63.4	155.2	44,400
	90	61.4	152.4	37,700
	95	59.4	149.4	31,800
	100	57.3	146.1	26,600
105	55.2	142.5	21,900	
110	53.0	138.6	17,500*	
115	50.7	134.4	12,000*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
140' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
85	22	83.0	93.7	283,500*
	23	82.3	93.5	281,900*
	24	81.6	93.3	280,400*
	25	80.9	93.1	278,900*
	26	80.2	92.9	277,500*
	27	79.5	92.7	276,100*
	28	78.9	92.4	274,800*
	29	78.2	92.1	273,500*
	30	77.5	91.9	272,300*
	32	76.1	91.3	269,900*
	34	74.6	90.6	266,900
	36	73.2	89.9	239,700
	38	71.8	89.1	216,500
	40	70.3	88.3	196,600
	42	68.8	87.4	179,300
	44	67.4	86.5	164,100
	46	65.8	85.4	150,700
	48	64.3	84.4	138,700
	50	62.8	83.2	128,000
	55	58.8	80.0	105,400
60	54.6	76.3	87,500	
65	50.1	71.9	72,900	
70	45.3	66.7	57,400*	
75	39.9	60.6	43,700*	
80	33.8	53.0	28,200*	
85	26.3	43.0	11,600*	
95	24	82.5	103.5	283,300*
	25	81.9	103.3	281,900*
	26	81.3	103.1	280,400*
	27	80.7	102.9	278,900*
	28	80.1	102.7	277,300*
	29	79.4	102.4	275,700*
	30	78.8	102.2	273,900*
	32	77.6	101.7	270,500*
	34	76.3	101.1	267,300*
	36	75.0	100.5	242,000
	38	73.8	99.8	218,800
	40	72.5	99.1	198,900
	42	71.2	98.3	181,500
	44	69.9	97.4	166,300
	46	68.6	96.6	152,800
	48	67.3	95.6	140,800
	50	65.9	94.6	130,100
	55	62.5	91.9	107,500
	60	58.9	88.7	89,500
	65	55.2	85.0	74,900
70	51.2	80.9	62,700	
75	47.1	76.0	50,700*	
80	42.5	70.4	38,900*	
85	37.5	63.8	28,400*	
90	31.8	55.6	16,100*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	25	82.7	113.5	279,800*
	26	82.1	113.3	278,000*
	27	81.6	113.1	276,300*
	28	81.0	112.9	274,600*
	29	80.5	112.7	273,000*
	30	79.9	112.5	271,400*
	32	78.8	112.0	268,400*
	34	77.7	111.5	265,500*
	36	76.5	110.9	243,800
	38	75.4	110.3	220,600
	40	74.2	109.7	200,700
	42	73.1	109.0	183,300
	44	71.9	108.2	168,100
	46	70.7	107.4	154,600
	48	69.6	106.6	142,600
	50	68.4	105.7	131,800
	55	65.3	103.3	109,200
	60	62.2	100.5	91,200
	65	59.0	97.4	76,500
	70	55.7	93.8	64,400
75	52.2	89.8	54,100	
80	48.5	85.2	44,500*	
85	44.5	79.9	34,200*	
90	40.2	73.9	25,000*	
95	35.5	66.7	16,800*	
115	26	82.8	123.5	275,200*
	27	82.3	123.3	273,700*
	28	81.8	123.1	272,200*
	29	81.3	122.9	270,800*
	30	80.8	122.7	269,400*
	32	79.8	122.3	266,800*
	34	78.8	121.8	264,300*
	36	77.7	121.3	245,400
	38	76.7	120.7	222,100
	40	75.7	120.1	202,100
	42	74.6	119.5	184,700
	44	73.6	118.8	169,400
	46	72.5	118.1	155,900
	48	71.4	117.4	143,900
	50	70.4	116.6	133,100
	55	67.7	114.4	110,400
	60	64.9	111.9	92,400
	65	62.0	109.1	77,700
	70	59.1	106.0	65,500
	75	56.1	102.5	55,300
80	52.9	98.6	46,500	
85	49.6	94.2	38,500*	
90	46.1	89.2	29,300*	
95	42.3	83.6	21,200*	
100	38.3	77.2	13,800*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
125	27	82.9	133.4	256,800*
	28	82.5	133.2	254,800*
	29	82.0	133.1	252,900*
	30	81.5	132.9	251,000*
	32	80.6	132.5	247,300*
	34	79.7	132.1	243,800*
	36	78.7	131.6	240,500*
	38	77.8	131.1	223,200
	40	76.8	130.5	203,200
	42	75.9	130.0	185,700
	44	74.9	129.4	170,500
	46	74.0	128.7	156,900
	48	73.0	128.0	144,900
	50	72.0	127.3	134,100
	55	69.6	125.3	111,400
	60	67.0	123.1	93,400
	65	64.5	120.6	78,700
	70	61.9	117.8	66,500
	75	59.2	114.7	56,200
	80	56.4	111.2	47,400
85	53.5	107.4	39,900	
90	50.5	103.2	33,100*	
95	47.3	98.4	24,900*	
100	44.0	93.1	17,600*	
105	40.4	87.1	11,000*	
135	28	83.0	143.4	249,600*
	29	82.6	143.2	247,900*
	30	82.2	143.0	246,200*
	32	81.3	142.7	243,100*
	34	80.4	142.3	240,100*
	36	79.6	141.8	237,200*
	38	78.7	141.4	224,100
	40	77.8	140.9	204,100
	42	77.0	140.4	186,600
	44	76.1	139.8	171,300
	46	75.2	139.2	157,700
	48	74.3	138.6	145,600
	50	73.4	137.9	134,800
	55	71.2	136.1	112,100
	60	68.9	134.1	94,000
	65	66.5	131.8	79,300
	70	64.2	129.2	67,100
	75	61.7	126.4	56,800
	80	59.2	123.4	48,000
	85	56.7	120.0	40,400
90	54.0	116.2	33,800	
95	51.3	112.1	27,600*	
100	48.4	107.5	20,300*	
105	45.4	102.5	13,700*	

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

BOOM NO. 44 WITH 5' TOP
140' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 4 5	30	82.7	153.2	242,000*
	32	81.9	152.8	239,300*
	34	81.1	152.5	236,700*
	36	80.3	152.1	234,300*
	38	79.5	151.6	225,000
	40	78.7	151.2	204,900
	42	77.9	150.7	187,500
	44	77.1	150.2	172,200
	46	76.2	149.6	158,600
	48	75.4	149.0	146,500
	50	74.6	148.4	135,700
	55	72.5	146.8	113,000
	60	70.4	144.9	94,900
	65	68.3	142.8	80,200
	70	66.1	140.5	68,000
	75	63.9	137.9	57,700
	80	61.6	135.1	48,900
	85	59.3	132.0	41,300
	90	56.9	128.7	34,700
	95	54.5	125.0	28,800
100	51.9	121.0	23,400*	
105	49.3	116.5	18,800*	
110	46.5	111.7	14,800*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 5 5	32	82.4	163.0	233,900*
	34	81.7	162.6	231,800*
	36	80.9	162.3	229,700*
	38	80.2	161.9	225,700
	40	79.4	161.4	205,600
	42	78.7	161.0	188,100
	44	77.9	160.5	172,700
	46	77.2	160.0	159,100
	48	76.4	159.4	147,000
	50	75.6	158.9	136,200
	55	73.7	157.3	113,400
	60	71.7	155.6	95,300
	65	69.7	153.6	80,600
	70	67.7	151.5	68,300
	75	65.7	149.1	58,000
	80	63.6	146.6	49,200
	85	61.5	143.8	41,600
	90	59.3	140.7	34,900
	95	57.1	137.4	29,100
	100	54.8	133.7	23,900
105	52.5	129.8	18,600*	
110	50.0	125.5	12,600*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	210,500*
	34	82.2	172.8	207,800*
	36	81.5	172.4	205,100*
	38	80.8	172.1	202,600*
	40	80.1	171.7	200,200*
	42	79.4	171.2	188,400
	44	78.7	170.8	173,100
	46	77.9	170.3	159,500
	48	77.2	169.8	147,400
	50	76.5	169.3	136,500
	55	74.7	167.8	113,700
	60	72.9	166.2	95,600
	65	71.0	164.4	80,800
	70	69.2	162.4	68,600
	75	67.3	160.2	58,300
	80	65.4	157.8	49,500
	85	63.4	155.2	41,800
	90	61.4	152.4	35,200
	95	59.4	149.4	29,300
	100	57.3	146.1	24,100
105	55.2	142.5	19,500	
110	53.0	138.6	14,300*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
150' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
85	22	83.0	93.7	279,600*
	23	82.3	93.5	277,900*
	24	81.6	93.3	276,300*
	25	80.9	93.1	274,700*
	26	80.2	92.9	273,200*
	27	79.5	92.7	271,700*
	28	78.9	92.4	270,200*
	29	78.2	92.1	268,900*
	30	77.5	91.9	267,500*
	32	76.1	91.3	265,000*
	34	74.6	90.6	262,200
	36	73.2	89.9	235,100
	38	71.8	89.1	212,100
	40	70.3	88.3	192,300
	42	68.8	87.4	175,100
	44	67.4	86.5	160,000
	46	65.8	85.4	146,600
	48	64.3	84.4	134,700
	50	62.8	83.2	124,000
	55	58.8	80.0	101,600
60	54.6	76.3	83,800	
65	50.1	71.9	68,600*	
70	45.3	66.7	52,900*	
75	39.9	60.6	39,300*	
80	33.8	53.0	23,800*	
95	24	82.5	103.5	279,400*
	25	81.9	103.3	277,900*
	26	81.3	103.1	276,400*
	27	80.7	102.9	274,900*
	28	80.1	102.7	273,300*
	29	79.4	102.4	271,600*
	30	78.8	102.2	269,800*
	32	77.6	101.7	266,300*
	34	76.3	101.1	262,900*
	36	75.0	100.5	237,700
	38	73.8	99.8	214,600
	40	72.5	99.1	194,800
	42	71.2	98.3	177,500
	44	69.9	97.4	162,400
	46	68.6	96.6	149,000
	48	67.3	95.6	137,100
	50	65.9	94.6	126,400
	55	62.5	91.9	103,900
	60	58.9	88.7	86,000
	65	55.2	85.0	71,500
70	51.2	80.9	59,400	
75	47.1	76.0	46,500*	
80	42.5	70.4	34,800*	
85	37.5	63.8	24,400*	
90	31.8	55.6	12,100*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	25	82.7	113.5	276,100*
	26	82.1	113.3	274,300*
	27	81.6	113.1	272,500*
	28	81.0	112.9	270,800*
	29	80.5	112.7	269,100*
	30	79.9	112.5	267,500*
	32	78.8	112.0	264,300*
	34	77.7	111.5	261,300*
	36	76.5	110.9	239,700
	38	75.4	110.3	216,600
	40	74.2	109.7	196,800
	42	73.1	109.0	179,500
	44	71.9	108.2	164,300
	46	70.7	107.4	150,900
	48	69.6	106.6	139,000
	50	68.4	105.7	128,300
	55	65.3	103.3	105,800
	60	62.2	100.5	87,900
	65	59.0	97.4	73,300
	70	55.7	93.8	61,300
75	52.2	89.8	51,100	
80	48.5	85.2	40,600*	
85	44.5	79.9	30,300*	
90	40.2	73.9	21,200*	
95	35.5	66.7	13,000*	
115	26	82.8	123.5	271,600*
	27	82.3	123.3	270,100*
	28	81.8	123.1	268,600*
	29	81.3	122.9	267,100*
	30	80.8	122.7	265,700*
	32	79.8	122.3	262,900*
	34	78.8	121.8	260,300*
	36	77.7	121.3	241,400
	38	76.7	120.7	218,300
	40	75.7	120.1	198,400
	42	74.6	119.5	181,100
	44	73.6	118.8	165,900
	46	72.5	118.1	152,400
	48	71.4	117.4	140,400
	50	70.4	116.6	129,700
	55	67.7	114.4	107,200
	60	64.9	111.9	89,200
	65	62.0	109.1	74,700
	70	59.1	106.0	62,600
	75	56.1	102.5	52,300
80	52.9	98.6	43,600	
85	49.6	94.2	34,800*	
90	46.1	89.2	25,700*	
95	42.3	83.6	17,600*	
100	38.3	77.2	10,300*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
125	27	82.9	133.4	253,600*
	28	82.5	133.2	251,600*
	29	82.0	133.1	249,600*
	30	81.5	132.9	247,700*
	32	80.6	132.5	243,900*
	34	79.7	132.1	240,400*
	36	78.7	131.6	237,000*
	38	77.8	131.1	219,500
	40	76.8	130.5	199,500
	42	75.9	130.0	182,200
	44	74.9	129.4	167,000
	46	74.0	128.7	153,500
	48	73.0	128.0	141,600
	50	72.0	127.3	130,800
	55	69.6	125.3	108,300
	60	67.0	123.1	90,300
	65	64.5	120.6	75,700
	70	61.9	117.8	63,600
	75	59.2	114.7	53,400
	80	56.4	111.2	44,700
85	53.5	107.4	37,100	
90	50.5	103.2	29,600*	
95	47.3	98.4	21,500*	
100	44.0	93.1	14,200*	
135	28	83.0	143.4	246,400*
	29	82.6	143.2	244,700*
	30	82.2	143.0	243,000*
	32	81.3	142.7	239,800*
	34	80.4	142.3	236,700*
	36	79.6	141.8	233,800*
	38	78.7	141.4	220,500
	40	77.8	140.9	200,500
	42	77.0	140.4	183,200
	44	76.1	139.8	167,900
	46	75.2	139.2	154,500
	48	74.3	138.6	142,400
	50	73.4	137.9	131,700
	55	71.2	136.1	109,100
	60	68.9	134.1	91,100
	65	66.5	131.8	76,500
	70	64.2	129.2	64,300
	75	61.7	126.4	54,100
	80	59.2	123.4	45,400
	85	56.7	120.0	37,800
90	54.0	116.2	31,200	
95	51.3	112.1	24,300*	
100	48.4	107.5	17,000*	
105	45.4	102.5	10,500*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
150' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 4 5	30	82.7	153.2	237,200*
	32	81.9	152.8	234,500*
	34	81.1	152.5	231,900*
	36	80.3	152.1	229,400*
	38	79.5	151.6	221,500
	40	78.7	151.2	201,500
	42	77.9	150.7	184,100
	44	77.1	150.2	168,900
	46	76.2	149.6	155,400
	48	75.4	149.0	143,400
	50	74.6	148.4	132,600
	55	72.5	146.8	110,000
	60	70.4	144.9	92,100
	65	68.3	142.8	77,500
	70	66.1	140.5	65,300
	75	63.9	137.9	55,100
	80	61.6	135.1	46,400
	85	59.3	132.0	38,800
90	56.9	128.7	32,200	
95	54.5	125.0	26,400	
100	51.9	121.0	20,200*	
105	49.3	116.5	13,600*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 5 5	32	82.4	163.0	230,800*
	34	81.7	162.6	228,600*
	36	80.9	162.3	226,500*
	38	80.2	161.9	222,200
	40	79.4	161.4	202,200
	42	78.7	161.0	184,800
	44	77.9	160.5	169,600
	46	77.2	160.0	156,000
	48	76.4	159.4	144,000
	50	75.6	158.9	133,200
	55	73.7	157.3	110,600
	60	71.7	155.6	92,500
	65	69.7	153.6	77,900
	70	67.7	151.5	65,700
	75	65.7	149.1	55,500
	80	63.6	146.6	46,700
	85	61.5	143.8	39,200
	90	59.3	140.7	32,500
95	57.1	137.4	26,700	
100	54.8	133.7	21,500	
105	52.5	129.8	15,600*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	205,500*
	34	82.2	172.8	202,800*
	36	81.5	172.4	200,200*
	38	80.8	172.1	197,700*
	40	80.1	171.7	195,300*
	42	79.4	171.2	185,300
	44	78.7	170.8	170,000
	46	77.9	170.3	156,500
	48	77.2	169.8	144,400
	50	76.5	169.3	133,600
	55	74.7	167.8	110,900
	60	72.9	166.2	92,900
	65	71.0	164.4	78,200
	70	69.2	162.4	66,100
	75	67.3	160.2	55,800
	80	65.4	157.8	47,000
	85	63.4	155.2	39,500
	90	61.4	152.4	32,800
95	59.4	149.4	27,000	
100	57.3	146.1	21,800	
105	55.2	142.5	17,200	
110	53.0	138.6	11,400*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
160' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
85	22	83.0	93.7	274,800*
	23	82.3	93.5	273,000*
	24	81.6	93.3	271,200*
	25	80.9	93.1	269,600*
	26	80.2	92.9	267,900*
	27	79.5	92.7	266,300*
	28	78.9	92.4	264,800*
	29	78.2	92.1	263,300*
	30	77.5	91.9	261,800*
	32	76.1	91.3	259,100*
	34	74.6	90.6	256,500*
	36	73.2	89.9	230,300
	38	71.8	89.1	207,400
	40	70.3	88.3	187,700
	42	68.8	87.4	170,600
	44	67.4	86.5	155,500
	46	65.8	85.4	142,200
	48	64.3	84.4	130,400
50	62.8	83.2	119,800	
55	58.8	80.0	97,500	
60	54.6	76.3	79,700	
65	50.1	71.9	63,500*	
70	45.3	66.7	47,900*	
75	39.9	60.6	34,400*	
80	33.8	53.0	19,000*	
95	24	82.5	103.5	274,600*
	25	81.9	103.3	273,100*
	26	81.3	103.1	271,500*
	27	80.7	102.9	269,900*
	28	80.1	102.7	268,300*
	29	79.4	102.4	266,600*
	30	78.8	102.2	264,900*
	32	77.6	101.7	261,200*
	34	76.3	101.1	257,700*
	36	75.0	100.5	233,100
	38	73.8	99.8	210,100
	40	72.5	99.1	190,400
	42	71.2	98.3	173,200
	44	69.9	97.4	158,200
	46	68.6	96.6	144,800
	48	67.3	95.6	133,000
	50	65.9	94.6	122,300
	55	62.5	91.9	100,000
60	58.9	88.7	82,200	
65	55.2	85.0	67,700	
70	51.2	80.9	55,300*	
75	47.1	76.0	41,800*	
80	42.5	70.4	30,200*	
85	37.5	63.8	19,800*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	25	82.7	113.5	271,800*
	26	82.1	113.3	269,900*
	27	81.6	113.1	268,000*
	28	81.0	112.9	266,200*
	29	80.5	112.7	264,500*
	30	79.9	112.5	262,800*
	32	78.8	112.0	259,500*
	34	77.7	111.5	256,400*
	36	76.5	110.9	235,300
	38	75.4	110.3	212,300
	40	74.2	109.7	192,600
	42	73.1	109.0	175,400
	44	71.9	108.2	160,300
	46	70.7	107.4	146,900
	48	69.6	106.6	135,100
	50	68.4	105.7	124,400
	55	65.3	103.3	102,000
	60	62.2	100.5	84,200
65	59.0	97.4	69,800	
70	55.7	93.8	57,800	
75	52.2	89.8	47,600	
80	48.5	85.2	36,200*	
85	44.5	79.9	26,000*	
90	40.2	73.9	17,000*	
115	26	82.8	123.5	266,500*
	27	82.3	123.3	264,900*
	28	81.8	123.1	263,300*
	29	81.3	122.9	261,800*
	30	80.8	122.7	260,300*
	32	79.8	122.3	257,400*
	34	78.8	121.8	254,700*
	36	77.7	121.3	237,100
	38	76.7	120.7	214,100
	40	75.7	120.1	194,300
	42	74.6	119.5	177,100
	44	73.6	118.8	162,000
	46	72.5	118.1	148,600
	48	71.4	117.4	136,700
	50	70.4	116.6	126,000
	55	67.7	114.4	103,600
	60	64.9	111.9	85,800
	65	62.0	109.1	71,300
70	59.1	106.0	59,200	
75	56.1	102.5	49,100	
80	52.9	98.6	40,400	
85	49.6	94.2	30,700*	
90	46.1	89.2	21,600*	
95	42.3	83.6	13,600*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
125	27	82.9	133.4	249,800*
	28	82.5	133.2	247,700*
	29	82.0	133.1	245,700*
	30	81.5	132.9	243,700*
	32	80.6	132.5	239,900*
	34	79.7	132.1	236,200*
	36	78.7	131.6	232,700*
	38	77.8	131.1	215,400
	40	76.8	130.5	195,600
	42	75.9	130.0	178,400
	44	74.9	129.4	163,300
	46	74.0	128.7	149,900
	48	73.0	128.0	137,900
	50	72.0	127.3	127,300
	55	69.6	125.3	104,800
	60	67.0	123.1	87,000
	65	64.5	120.6	72,500
	70	61.9	117.8	60,400
75	59.2	114.7	50,300	
80	56.4	111.2	41,600	
85	53.5	107.4	34,100	
90	50.5	103.2	25,600*	
95	47.3	98.4	17,600*	
100	44.0	93.1	10,300*	
135	28	83.0	143.4	242,600*
	29	82.6	143.2	240,800*
	30	82.2	143.0	239,100*
	32	81.3	142.7	235,800*
	34	80.4	142.3	232,700*
	36	79.6	141.8	229,700*
	38	78.7	141.4	216,600
	40	77.8	140.9	196,700
	42	77.0	140.4	179,500
	44	76.1	139.8	164,300
	46	75.2	139.2	150,900
	48	74.3	138.6	138,900
	50	73.4	137.9	128,200
	55	71.2	136.1	105,700
	60	68.9	134.1	87,900
	65	66.5	131.8	73,300
	70	64.2	129.2	61,200
	75	61.7	126.4	51,100
80	59.2	123.4	42,400	
85	56.7	120.0	34,800	
90	54.0	116.2	28,300	
95	51.3	112.1	20,500*	
100	48.4	107.5	13,300*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
160' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 4 5	30	82.7	153.2	233,500*
	32	81.9	152.8	230,700*
	34	81.1	152.5	228,000*
	36	80.3	152.1	225,400*
	38	79.5	151.6	217,700
	40	78.7	151.2	197,800
	42	77.9	150.7	180,500
	44	77.1	150.2	165,400
	46	76.2	149.6	152,000
	48	75.4	149.0	140,000
	50	74.6	148.4	129,300
	55	72.5	146.8	106,800
	60	70.4	144.9	88,900
	65	68.3	142.8	74,400
	70	66.1	140.5	62,300
	75	63.9	137.9	52,200
	80	61.6	135.1	43,500
	85	59.3	132.0	35,900
90	56.9	128.7	29,400	
95	54.5	125.0	23,600	
100	51.9	121.0	16,600*	
105	49.3	116.5	10,100*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 5 5	32	82.4	163.0	227,000*
	34	81.7	162.6	224,800*
	36	80.9	162.3	222,600*
	38	80.2	161.9	218,500
	40	79.4	161.4	198,600
	42	78.7	161.0	181,300
	44	77.9	160.5	166,100
	46	77.2	160.0	152,700
	48	76.4	159.4	140,700
	50	75.6	158.9	129,900
	55	73.7	157.3	107,400
	60	71.7	155.6	89,500
	65	69.7	153.6	74,900
	70	67.7	151.5	62,800
	75	65.7	149.1	52,600
	80	63.6	146.6	43,900
	85	61.5	143.8	36,400
	90	59.3	140.7	29,800
95	57.1	137.4	24,000	
100	54.8	133.7	18,700*	
105	52.5	129.8	12,100*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	202,200*
	34	82.2	172.8	199,400*
	36	81.5	172.4	196,700*
	38	80.8	172.1	194,200*
	40	80.1	171.7	191,700*
	42	79.4	171.2	181,800
	44	78.7	170.8	166,600
	46	77.9	170.3	153,100
	48	77.2	169.8	141,200
	50	76.5	169.3	130,400
	55	74.7	167.8	107,800
	60	72.9	166.2	89,900
	65	71.0	164.4	75,300
	70	69.2	162.4	63,200
	75	67.3	160.2	53,000
	80	65.4	157.8	44,300
	85	63.4	155.2	36,800
	90	61.4	152.4	30,200
95	59.4	149.4	24,400	
100	57.3	146.1	19,200	
105	55.2	142.5	14,000*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
170' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
85	22	83.0	93.7	271,500*
	23	82.3	93.5	269,700*
	24	81.6	93.3	267,800*
	25	80.9	93.1	266,000*
	26	80.2	92.9	264,300*
	27	79.5	92.7	262,600*
	28	78.9	92.4	261,000*
	29	78.2	92.1	259,400*
	30	77.5	91.9	257,800*
	32	76.1	91.3	254,900*
	34	74.6	90.6	252,100*
	36	73.2	89.9	226,300
	38	71.8	89.1	203,500
	40	70.3	88.3	183,900
	42	68.8	87.4	166,900
	44	67.4	86.5	152,000
	46	65.8	85.4	138,700
	48	64.3	84.4	127,000
50	62.8	83.2	116,400	
55	58.8	80.0	94,200	
60	54.6	76.3	76,600	
65	50.1	71.9	59,700*	
70	45.3	66.7	44,100*	
75	39.9	60.6	30,700*	
80	33.8	53.0	15,400*	
95	24	82.5	103.5	271,300*
	25	81.9	103.3	269,800*
	26	81.3	103.1	268,200*
	27	80.7	102.9	266,500*
	28	80.1	102.7	264,800*
	29	79.4	102.4	263,100*
	30	78.8	102.2	261,400*
	32	77.6	101.7	257,600*
	34	76.3	101.1	253,900*
	36	75.0	100.5	229,300
	38	73.8	99.8	206,500
	40	72.5	99.1	186,800
	42	71.2	98.3	169,800
	44	69.9	97.4	154,800
	46	68.6	96.6	141,500
	48	67.3	95.6	129,700
	50	65.9	94.6	119,200
	55	62.5	91.9	96,900
60	58.9	88.7	79,300	
65	55.2	85.0	64,900	
70	51.2	80.9	51,800*	
75	47.1	76.0	38,400*	
80	42.5	70.4	26,800*	
85	37.5	63.8	16,600*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	25	82.7	113.5	267,700*
	26	82.1	113.3	265,800*
	27	81.6	113.1	263,900*
	28	81.0	112.9	262,000*
	29	80.5	112.7	260,200*
	30	79.9	112.5	258,500*
	32	78.8	112.0	255,100*
	34	77.7	111.5	251,900*
	36	76.5	110.9	231,700
	38	75.4	110.3	208,800
	40	74.2	109.7	189,200
	42	73.1	109.0	172,100
	44	71.9	108.2	157,100
	46	70.7	107.4	143,800
	48	69.6	106.6	132,000
	50	68.4	105.7	121,400
	55	65.3	103.3	99,200
	60	62.2	100.5	81,500
65	59.0	97.4	67,100	
70	55.7	93.8	55,200	
75	52.2	89.8	44,800*	
80	48.5	85.2	33,100*	
85	44.5	79.9	22,900*	
90	40.2	73.9	13,900*	
115	26	82.8	123.5	263,500*
	27	82.3	123.3	261,900*
	28	81.8	123.1	260,300*
	29	81.3	122.9	258,700*
	30	80.8	122.7	257,200*
	32	79.8	122.3	254,200*
	34	78.8	121.8	251,400*
	36	77.7	121.3	233,700
	38	76.7	120.7	210,800
	40	75.7	120.1	191,100
	42	74.6	119.5	173,900
	44	73.6	118.8	158,900
	46	72.5	118.1	145,600
	48	71.4	117.4	133,800
	50	70.4	116.6	123,100
	55	67.7	114.4	100,800
	60	64.9	111.9	83,100
	65	62.0	109.1	68,700
70	59.1	106.0	56,800	
75	56.1	102.5	46,700	
80	52.9	98.6	38,000*	
85	49.6	94.2	27,800*	
90	46.1	89.2	18,700*	
95	42.3	83.6	10,700*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
125	27	82.9	133.4	247,100*
	28	82.5	133.2	245,000*
	29	82.0	133.1	242,900*
	30	81.5	132.9	240,900*
	32	80.6	132.5	237,000*
	34	79.7	132.1	233,300*
	36	78.7	131.6	229,700*
	38	77.8	131.1	212,200
	40	76.8	130.5	192,500
	42	75.9	130.0	175,300
	44	74.9	129.4	160,300
	46	74.0	128.7	147,000
	48	73.0	128.0	135,100
	50	72.0	127.3	124,500
	55	69.6	125.3	102,200
	60	67.0	123.1	84,500
	65	64.5	120.6	70,000
	70	61.9	117.8	58,100
75	59.2	114.7	48,000	
80	56.4	111.2	39,300	
85	53.5	107.4	31,900	
90	50.5	103.2	22,800*	
95	47.3	98.4	14,800*	
135	28	83.0	143.4	238,100*
	29	82.6	143.2	236,400*
	30	82.2	143.0	234,600*
	32	81.3	142.7	231,300*
	34	80.4	142.3	228,200*
	36	79.6	141.8	225,100*
	38	78.7	141.4	213,500
	40	77.8	140.9	193,700
	42	77.0	140.4	176,500
	44	76.1	139.8	161,400
	46	75.2	139.2	148,100
	48	74.3	138.6	136,200
	50	73.4	137.9	125,600
	55	71.2	136.1	103,200
	60	68.9	134.1	85,400
	65	66.5	131.8	71,000
	70	64.2	129.2	59,000
	75	61.7	126.4	48,900
80	59.2	123.4	40,200	
85	56.7	120.0	32,700	
90	54.0	116.2	26,000*	
95	51.3	112.1	17,900*	
100	48.4	107.5	10,700*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
170' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 4 5	30	82.7	153.2	230,900*
	32	81.9	152.8	228,000*
	34	81.1	152.5	225,300*
	36	80.3	152.1	222,700*
	38	79.5	151.6	214,600
	40	78.7	151.2	194,900
	42	77.9	150.7	177,700
	44	77.1	150.2	162,600
	46	76.2	149.6	149,300
	48	75.4	149.0	137,400
	50	74.6	148.4	126,700
	55	72.5	146.8	104,400
	60	70.4	144.9	86,600
	65	68.3	142.8	72,100
	70	66.1	140.5	60,100
	75	63.9	137.9	50,000
	80	61.6	135.1	41,400
85	59.3	132.0	33,900	
90	56.9	128.7	27,400	
95	54.5	125.0	21,300*	
100	51.9	121.0	14,100*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 5 5	32	82.4	163.0	224,400*
	34	81.7	162.6	222,100*
	36	80.9	162.3	219,900*
	38	80.2	161.9	215,500
	40	79.4	161.4	195,700
	42	78.7	161.0	178,500
	44	77.9	160.5	163,400
	46	77.2	160.0	150,000
	48	76.4	159.4	138,100
	50	75.6	158.9	127,400
	55	73.7	157.3	105,000
	60	71.7	155.6	87,200
	65	69.7	153.6	72,700
	70	67.7	151.5	60,700
	75	65.7	149.1	50,600
	80	63.6	146.6	41,900
	85	61.5	143.8	34,400
90	59.3	140.7	27,900	
95	57.1	137.4	22,100	
100	54.8	133.7	16,200*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	199,800*
	34	82.2	172.8	197,000*
	36	81.5	172.4	194,300*
	38	80.8	172.1	191,700*
	40	80.1	171.7	189,300*
	42	79.4	171.2	179,100
	44	78.7	170.8	164,000
	46	77.9	170.3	150,600
	48	77.2	169.8	138,700
	50	76.5	169.3	128,000
	55	74.7	167.8	105,500
	60	72.9	166.2	87,700
	65	71.0	164.4	73,200
	70	69.2	162.4	61,200
	75	67.3	160.2	51,000
	80	65.4	157.8	42,400
	85	63.4	155.2	34,900
90	61.4	152.4	28,300	
95	59.4	149.4	22,600	
100	57.3	146.1	17,400	
105	55.2	142.5	11,700*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
180' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
85	22	83.0	93.7	266,900*
	23	82.3	93.5	265,000*
	24	81.6	93.3	263,000*
	25	80.9	93.1	261,100*
	26	80.2	92.9	259,200*
	27	79.5	92.7	257,400*
	28	78.9	92.4	255,700*
	29	78.2	92.1	254,000*
	30	77.5	91.9	252,300*
	32	76.1	91.3	249,100*
	34	74.6	90.6	246,100*
	36	73.2	89.9	221,200
	38	71.8	89.1	198,500
	40	70.3	88.3	179,000
	42	68.8	87.4	162,100
	44	67.4	86.5	147,300
	46	65.8	85.4	134,100
	48	64.3	84.4	122,400
50	62.8	83.2	111,900	
55	58.8	80.0	89,900	
60	54.6	76.3	72,400	
65	50.1	71.9	54,400*	
70	45.3	66.7	38,900*	
75	39.9	60.6	25,600*	
80	33.8	53.0	10,300*	
95	24	82.5	103.5	266,600*
	25	81.9	103.3	264,800*
	26	81.3	103.1	263,000*
	27	80.7	102.9	261,100*
	28	80.1	102.7	259,200*
	29	79.4	102.4	257,200*
	30	78.8	102.2	255,200*
	32	77.6	101.7	251,200*
	34	76.3	101.1	247,500*
	36	75.0	100.5	224,400
	38	73.8	99.8	201,700
	40	72.5	99.1	182,200
	42	71.2	98.3	165,200
	44	69.9	97.4	150,400
	46	68.6	96.6	137,200
	48	67.3	95.6	125,400
	50	65.9	94.6	114,900
	55	62.5	91.9	92,800
60	58.9	88.7	75,300	
65	55.2	85.0	61,000	
70	51.2	80.9	46,900*	
75	47.1	76.0	33,600*	
80	42.5	70.4	22,000*	
85	37.5	63.8	11,800*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	25	82.7	113.5	263,200*
	26	82.1	113.3	261,200*
	27	81.6	113.1	259,200*
	28	81.0	112.9	257,300*
	29	80.5	112.7	255,400*
	30	79.9	112.5	253,600*
	32	78.8	112.0	250,100*
	34	77.7	111.5	246,700*
	36	76.5	110.9	227,000
	38	75.4	110.3	204,300
	40	74.2	109.7	184,700
	42	73.1	109.0	167,700
	44	71.9	108.2	152,800
	46	70.7	107.4	139,600
	48	69.6	106.6	127,900
	50	68.4	105.7	117,400
	55	65.3	103.3	95,200
	60	62.2	100.5	77,700
65	59.0	97.4	63,400	
70	55.7	93.8	51,500	
75	52.2	89.8	40,100*	
80	48.5	85.2	28,500*	
85	44.5	79.9	18,400*	
115	26	82.8	123.5	259,100*
	27	82.3	123.3	257,400*
	28	81.8	123.1	255,700*
	29	81.3	122.9	254,100*
	30	80.8	122.7	252,500*
	32	79.8	122.3	249,400*
	34	78.8	121.8	246,400*
	36	77.7	121.3	229,200
	38	76.7	120.7	206,400
	40	75.7	120.1	186,800
	42	74.6	119.5	169,800
	44	73.6	118.8	154,800
	46	72.5	118.1	141,600
	48	71.4	117.4	129,800
	50	70.4	116.6	119,300
	55	67.7	114.4	97,100
	60	64.9	111.9	79,500
	65	62.0	109.1	65,200
70	59.1	106.0	53,300	
75	56.1	102.5	43,200	
80	52.9	98.6	33,600*	
85	49.6	94.2	23,400*	
90	46.1	89.2	14,400*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
125	27	82.9	133.4	243,100*
	28	82.5	133.2	240,900*
	29	82.0	133.1	238,800*
	30	81.5	132.9	236,800*
	32	80.6	132.5	232,800*
	34	79.7	132.1	229,000*
	36	78.7	131.6	225,400*
	38	77.8	131.1	208,000
	40	76.8	130.5	188,400
	42	75.9	130.0	171,300
	44	74.9	129.4	156,400
	46	74.0	128.7	143,100
	48	73.0	128.0	131,300
	50	72.0	127.3	120,800
	55	69.6	125.3	98,600
	60	67.0	123.1	81,000
	65	64.5	120.6	66,600
	70	61.9	117.8	54,700
75	59.2	114.7	44,700	
80	56.4	111.2	36,100	
85	53.5	107.4	27,700*	
90	50.5	103.2	18,700*	
95	47.3	98.4	10,700*	
135	28	83.0	143.4	234,200*
	29	82.6	143.2	232,400*
	30	82.2	143.0	230,600*
	32	81.3	142.7	227,300*
	34	80.4	142.3	224,000*
	36	79.6	141.8	220,900*
	38	78.7	141.4	209,400
	40	77.8	140.9	189,700
	42	77.0	140.4	172,600
	44	76.1	139.8	157,600
	46	75.2	139.2	144,400
	48	74.3	138.6	132,600
	50	73.4	137.9	122,000
	55	71.2	136.1	99,700
	60	68.9	134.1	82,000
	65	66.5	131.8	67,700
	70	64.2	129.2	55,700
	75	61.7	126.4	45,700
80	59.2	123.4	37,100	
85	56.7	120.0	29,700	
90	54.0	116.2	22,000*	
95	51.3	112.1	14,000*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
180' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 4 5	30	82.7	153.2	226,900*
	32	81.9	152.8	224,000*
	34	81.1	152.5	221,200*
	36	80.3	152.1	218,500*
	38	79.5	151.6	210,600
	40	78.7	151.2	191,000
	42	77.9	150.7	173,900
	44	77.1	150.2	158,900
	46	76.2	149.6	145,600
	48	75.4	149.0	133,800
	50	74.6	148.4	123,200
	55	72.5	146.8	101,000
	60	70.4	144.9	83,300
	65	68.3	142.8	68,900
	70	66.1	140.5	57,000
	75	63.9	137.9	47,000
	80	61.6	135.1	38,400
	85	59.3	132.0	30,900
90	56.9	128.7	24,500	
95	54.5	125.0	17,500*	
100	51.9	121.0	10,300*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 5 5	32	82.4	163.0	220,500*
	34	81.7	162.6	218,200*
	36	80.9	162.3	215,900*
	38	80.2	161.9	211,600
	40	79.4	161.4	191,900
	42	78.7	161.0	174,800
	44	77.9	160.5	159,800
	46	77.2	160.0	146,500
	48	76.4	159.4	134,600
	50	75.6	158.9	124,000
	55	73.7	157.3	101,700
	60	71.7	155.6	84,000
	65	69.7	153.6	69,600
	70	67.7	151.5	57,700
	75	65.7	149.1	47,600
	80	63.6	146.6	39,000
	85	61.5	143.8	31,500
	90	59.3	140.7	25,000
95	57.1	137.4	19,300	
100	54.8	133.7	12,600*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	196,300*
	34	82.2	172.8	193,500*
	36	81.5	172.4	190,700*
	38	80.8	172.1	188,100*
	40	80.1	171.7	185,600*
	42	79.4	171.2	175,500
	44	78.7	170.8	160,400
	46	77.9	170.3	147,100
	48	77.2	169.8	135,300
	50	76.5	169.3	124,600
	55	74.7	167.8	102,300
	60	72.9	166.2	84,600
	65	71.0	164.4	70,200
	70	69.2	162.4	58,200
	75	67.3	160.2	48,100
	80	65.4	157.8	39,500
	85	63.4	155.2	32,100
	90	61.4	152.4	25,500
95	59.4	149.4	19,800	
100	57.3	146.1	14,700*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
190' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
85	22	83.0	93.7	262,400*
	23	82.3	93.5	260,300*
	24	81.6	93.3	258,200*
	25	80.9	93.1	256,200*
	26	80.2	92.9	254,200*
	27	79.5	92.7	252,300*
	28	78.9	92.4	250,400*
	29	78.2	92.1	248,600*
	30	77.5	91.9	246,800*
	32	76.1	91.3	243,400*
	34	74.6	90.6	240,200*
	36	73.2	89.9	216,100
	38	71.8	89.1	193,700
	40	70.3	88.3	174,300
	42	68.8	87.4	157,500
	44	67.4	86.5	142,700
	46	65.8	85.4	129,700
	48	64.3	84.4	118,000
50	62.8	83.2	107,600	
55	58.8	80.0	85,700	
60	54.6	76.3	67,700*	
65	50.1	71.9	49,400*	
70	45.3	66.7	34,000*	
75	39.9	60.6	20,700*	
95	24	82.5	103.5	262,100*
	25	81.9	103.3	260,200*
	26	81.3	103.1	258,400*
	27	80.7	102.9	256,400*
	28	80.1	102.7	254,500*
	29	79.4	102.4	252,500*
	30	78.8	102.2	250,500*
	32	77.6	101.7	246,400*
	34	76.3	101.1	242,400*
	36	75.0	100.5	219,700
	38	73.8	99.8	197,100
	40	72.5	99.1	177,700
	42	71.2	98.3	160,900
	44	69.9	97.4	146,100
	46	68.6	96.6	133,000
	48	67.3	95.6	121,300
	50	65.9	94.6	110,900
	55	62.5	91.9	88,900
60	58.9	88.7	71,500	
65	55.2	85.0	57,300	
70	51.2	80.9	42,300*	
75	47.1	76.0	29,000*	
80	42.5	70.4	17,500*	
105	25	82.7	113.5	259,100*
	26	82.1	113.3	257,000*
	27	81.6	113.1	254,900*
	28	81.0	112.9	252,900*
	29	80.5	112.7	251,000*
	30	79.9	112.5	249,100*
	32	78.8	112.0	245,400*
	34	77.7	111.5	242,000*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	36	76.5	110.9	222,400
	38	75.4	110.3	199,900
	40	74.2	109.7	180,400
	42	73.1	109.0	163,600
	44	71.9	108.2	148,700
	46	70.7	107.4	135,600
	48	69.6	106.6	124,000
	50	68.4	105.7	113,500
	55	65.3	103.3	91,500
	60	62.2	100.5	74,100
	65	59.0	97.4	59,900
	70	55.7	93.8	48,100
75	52.2	89.8	35,800*	
80	48.5	85.2	24,300*	
85	44.5	79.9	14,200*	
115	26	82.8	123.5	255,000*
	27	82.3	123.3	253,300*
	28	81.8	123.1	251,500*
	29	81.3	122.9	249,800*
	30	80.8	122.7	248,100*
	32	79.8	122.3	244,900*
	34	78.8	121.8	241,800*
	36	77.7	121.3	224,800
	38	76.7	120.7	202,200
	40	75.7	120.1	182,700
	42	74.6	119.5	165,800
	44	73.6	118.8	150,900
46	72.5	118.1	137,800	
48	71.4	117.4	126,100	
50	70.4	116.6	115,600	
55	67.7	114.4	93,500	
60	64.9	111.9	76,000	
65	62.0	109.1	61,800	
70	59.1	106.0	50,000	
75	56.1	102.5	40,000	
80	52.9	98.6	29,500*	
85	49.6	94.2	19,400*	
90	46.1	89.2	10,500*	
125	27	82.9	133.4	237,300*
	28	82.5	133.2	235,100*
	29	82.0	133.1	233,000*
	30	81.5	132.9	231,000*
	32	80.6	132.5	226,900*
	34	79.7	132.1	223,100*
	36	78.7	131.6	219,500*
	38	77.8	131.1	203,900
	40	76.8	130.5	184,400
	42	75.9	130.0	167,500
	44	74.9	129.4	152,600
	46	74.0	128.7	139,400
48	73.0	128.0	127,700	
50	72.0	127.3	117,200	
55	69.6	125.3	95,200	
60	67.0	123.1	77,600	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
125	65	64.5	120.6	63,400
	70	61.9	117.8	51,600
	75	59.2	114.7	41,600
	80	56.4	111.2	33,100
	85	53.5	107.4	23,900*
90	50.5	103.2	15,000*	
135	28	83.0	143.4	230,600*
	29	82.6	143.2	228,800*
	30	82.2	143.0	227,000*
	32	81.3	142.7	223,500*
	34	80.4	142.3	220,200*
	36	79.6	141.8	217,000*
	38	78.7	141.4	205,400
	40	77.8	140.9	185,900
	42	77.0	140.4	168,900
	44	76.1	139.8	154,000
	46	75.2	139.2	140,800
	48	74.3	138.6	129,000
50	73.4	137.9	118,500	
55	71.2	136.1	96,400	
60	68.9	134.1	78,900	
65	66.5	131.8	64,600	
70	64.2	129.2	52,700	
75	61.7	126.4	42,700	
80	59.2	123.4	34,200	
85	56.7	120.0	26,800	
90	54.0	116.2	18,400*	
95	51.3	112.1	10,400*	
145	30	82.7	153.2	223,400*
	32	81.9	152.8	220,400*
	34	81.1	152.5	217,500*
	36	80.3	152.1	214,700*
	38	79.5	151.6	206,700
	40	78.7	151.2	187,200
	42	77.9	150.7	170,200
	44	77.1	150.2	155,300
	46	76.2	149.6	142,200
	48	75.4	149.0	130,400
	50	74.6	148.4	119,900
	55	72.5	146.8	97,800
60	70.4	144.9	80,200	
65	68.3	142.8	65,900	
70	66.1	140.5	54,100	
75	63.9	137.9	44,100	
80	61.6	135.1	35,600	
85	59.3	132.0	28,200	
90	56.9	128.7	21,800	
95	54.5	125.0	14,100*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

**M-250
SERIES 2**

**BOOM NO. 44 WITH 5' TOP
190' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 5 5	32	82.4	163.0	217,000*
	34	81.7	162.6	214,500*
	36	80.9	162.3	212,200*
	38	80.2	161.9	207,900
	40	79.4	161.4	188,300
	42	78.7	161.0	171,300
	44	77.9	160.5	156,300
	46	77.2	160.0	143,100
	48	76.4	159.4	131,300
	50	75.6	158.9	120,800
	55	73.7	157.3	98,600
	60	71.7	155.6	81,000
	65	69.7	153.6	66,700
	70	67.7	151.5	54,800
	75	65.7	149.1	44,800
	80	63.6	146.6	36,300
85	61.5	143.8	28,900	
90	59.3	140.7	22,400	
95	57.1	137.4	16,500*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	193,100*
	34	82.2	172.8	190,200*
	36	81.5	172.4	187,400*
	38	80.8	172.1	184,800*
	40	80.1	171.7	182,200*
	42	79.4	171.2	172,000
	44	78.7	170.8	157,000
	46	77.9	170.3	143,800
	48	77.2	169.8	132,000
	50	76.5	169.3	121,500
	55	74.7	167.8	99,300
	60	72.9	166.2	81,700
	65	71.0	164.4	67,400
	70	69.2	162.4	55,500
	75	67.3	160.2	45,400
	80	65.4	157.8	36,900
85	63.4	155.2	29,500	
90	61.4	152.4	23,000	
95	59.4	149.4	17,300	
100	57.3	146.1	11,500*	

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250 SERIES 2

**BOOM NO. 44 WITH 5' TOP
200' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
8 5	22	83.0	93.7	257,100*
	23	82.3	93.5	254,900*
	24	81.6	93.3	252,700*
	25	80.9	93.1	250,500*
	26	80.2	92.9	248,400*
	27	79.5	92.7	246,400*
	28	78.9	92.4	244,400*
	29	78.2	92.1	242,400*
	30	77.5	91.9	240,500*
	32	76.1	91.3	236,800*
	34	74.6	90.6	233,400*
	36	73.2	89.9	210,700
	38	71.8	89.1	188,300
	40	70.3	88.3	169,100
	42	68.8	87.4	152,400
	44	67.4	86.5	137,700
	46	65.8	85.4	124,700
	48	64.3	84.4	113,200
50	62.8	83.2	102,800	
55	58.8	80.0	81,100	
60	54.6	76.3	62,000*	
65	50.1	71.9	43,800*	
70	45.3	66.7	28,400*	
75	39.9	60.6	15,300*	
9 5	24	82.5	103.5	256,900*
	25	81.9	103.3	254,900*
	26	81.3	103.1	253,000*
	27	80.7	102.9	251,000*
	28	80.1	102.7	249,000*
	29	79.4	102.4	247,000*
	30	78.8	102.2	245,000*
	32	77.6	101.7	240,800*
	34	76.3	101.1	236,700*
	36	75.0	100.5	214,500
	38	73.8	99.8	192,100
	40	72.5	99.1	172,800
	42	71.2	98.3	156,000
	44	69.9	97.4	141,300
	46	68.6	96.6	128,300
	48	67.3	95.6	116,700
	50	65.9	94.6	106,300
	55	62.5	91.9	84,500
60	58.9	88.7	67,200	
65	55.2	85.0	52,500*	
70	51.2	80.9	37,000*	
75	47.1	76.0	23,800*	
80	42.5	70.4	12,400*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 0 5	25	82.7	113.5	254,300*
	26	82.1	113.3	252,100*
	27	81.6	113.1	250,000*
	28	81.0	112.9	247,900*
	29	80.5	112.7	245,900*
	30	79.9	112.5	243,900*
	32	78.8	112.0	240,100*
	34	77.7	111.5	236,500*
	36	76.5	110.9	217,500
	38	75.4	110.3	195,000
	40	74.2	109.7	175,700
	42	73.1	109.0	159,000
	44	71.9	108.2	144,200
	46	70.7	107.4	131,200
	48	69.6	106.6	119,600
	50	68.4	105.7	109,200
	55	65.3	103.3	87,400
	60	62.2	100.5	70,000
65	59.0	97.4	55,900	
70	55.7	93.8	44,200*	
75	52.2	89.8	30,900*	
80	48.5	85.2	19,400*	
1 1 5	26	82.8	123.5	250,300*
	27	82.3	123.3	248,500*
	28	81.8	123.1	246,600*
	29	81.3	122.9	244,900*
	30	80.8	122.7	243,100*
	32	79.8	122.3	239,700*
	34	78.8	121.8	236,500*
	36	77.7	121.3	220,000
	38	76.7	120.7	197,500
	40	75.7	120.1	178,200
	42	74.6	119.5	161,300
	44	73.6	118.8	146,600
	46	72.5	118.1	133,500
	48	71.4	117.4	121,900
	50	70.4	116.6	111,500
	55	67.7	114.4	89,600
	60	64.9	111.9	72,200
	65	62.0	109.1	58,000
70	59.1	106.0	46,300	
75	56.1	102.5	36,400	
80	52.9	98.6	24,900*	
85	49.6	94.2	14,800*	
1 2 5	27	82.9	133.4	233,100*
	28	82.5	133.2	230,900*
	29	82.0	133.1	228,700*
	30	81.5	132.9	226,600*
	32	80.6	132.5	222,500*
	34	79.7	132.1	218,600*
	36	78.7	131.6	214,900*
	38	77.8	131.1	199,400
	40	76.8	130.5	180,000
	42	75.9	130.0	163,200

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 2 5	44	74.9	129.4	148,400
	46	74.0	128.7	135,300
	48	73.0	128.0	123,700
	50	72.0	127.3	113,300
	55	69.6	125.3	91,300
	60	67.0	123.1	73,900
	65	64.5	120.6	59,800
	70	61.9	117.8	48,000
	75	59.2	114.7	38,100
	80	56.4	111.2	29,700
1 3 5	85	53.5	107.4	19,500*
	90	50.5	103.2	10,600*
	28	83.0	143.4	226,500*
	29	82.6	143.2	224,600*
	30	82.2	143.0	222,700*
	32	81.3	142.7	219,200*
	34	80.4	142.3	215,800*
	36	79.6	141.8	212,500*
	38	78.7	141.4	201,000
	40	77.8	140.9	181,600
1 4 5	42	77.0	140.4	164,700
	44	76.1	139.8	149,900
	46	75.2	139.2	136,800
	48	74.3	138.6	125,200
	50	73.4	137.9	114,700
	55	71.2	136.1	92,700
	60	68.9	134.1	75,300
	65	66.5	131.8	61,100
	70	64.2	129.2	49,300
	75	61.7	126.4	39,400
1 4 5	80	59.2	123.4	30,900
	85	56.7	120.0	23,200*
	90	54.0	116.2	14,200*
	30	82.7	153.2	219,200*
	32	81.9	152.8	216,100*
	34	81.1	152.5	213,200*
	36	80.3	152.1	210,300*
	38	79.5	151.6	202,500
	40	78.7	151.2	183,100
	42	77.9	150.7	166,200
1 4 5	44	77.1	150.2	151,400
	46	76.2	149.6	138,300
	48	75.4	149.0	126,600
	50	74.6	148.4	116,200
	55	72.5	146.8	94,200
	60	70.4	144.9	76,800
	65	68.3	142.8	62,600
	70	66.1	140.5	50,800
	75	63.9	137.9	40,900
	80	61.6	135.1	32,400
1 4 5	85	59.3	132.0	25,100
	90	56.9	128.7	18,100*
	95	54.5	125.0	10,000*

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

**M-250
SERIES 2**

**BOOM NO. 44 WITH 5' TOP
200' LUFFING JIB NO. 133A
SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE
207,000 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
360 DEGREE RATING**

**MEETS
ANSI B30.5
REQUIREMENTS**

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 5 5	32	82.4	163.0	212,800*
	34	81.7	162.6	210,300*
	36	80.9	162.3	207,900*
	38	80.2	161.9	203,700
	40	79.4	161.4	184,300
	42	78.7	161.0	167,300
	44	77.9	160.5	152,500
	46	77.2	160.0	139,400
	48	76.4	159.4	127,700
	50	75.6	158.9	117,200
	55	73.7	157.3	95,100
	60	71.7	155.6	77,700
	65	69.7	153.6	63,400
	70	67.7	151.5	51,600
	75	65.7	149.1	41,700
	80	63.6	146.6	33,200
85	61.5	143.8	25,800	
90	59.3	140.7	19,400	
95	57.1	137.4	12,600*	

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	189,400*
	34	82.2	172.8	186,500*
	36	81.5	172.4	183,700*
	38	80.8	172.1	181,000*
	40	80.1	171.7	178,400*
	42	79.4	171.2	168,200
	44	78.7	170.8	153,300
	46	77.9	170.3	140,100
	48	77.2	169.8	128,400
	50	76.5	169.3	117,900
	55	74.7	167.8	95,900
	60	72.9	166.2	78,400
	65	71.0	164.4	64,100
	70	69.2	162.4	52,300
	75	67.3	160.2	42,400
	80	65.4	157.8	33,900
85	63.4	155.2	26,500	
90	61.4	152.4	20,100	
95	59.4	149.4	14,400	