

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**

NEW YORK CITY CODE

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 FOR BOOM AND LUFFING JIB LENGTH COMBINATIONS THRU 245' AND NEW YORK CITY CRITERIA OF 1.4 FACTOR APPLIED TO TOTAL MACHINE MOMENT FOR BOOM AND LUFFING JIB LENGTH COMBINATIONS 255' ON UP. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

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. 7743-A FOR LUFFING JIB CAPACITIES

MANITOWOC ENGINEERING CO.

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LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

**M-250
SERIES 2**

NEW YORK CITY CODE

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
8 5	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
9 5	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*
	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
1 0 5	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
1 1 5	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*
	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
1 2 5	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
1 3 5	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*
	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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LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

**M-250
SERIES 2**

NEW YORK CITY CODE

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*

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LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

**M-250
SERIES 2**

NEW YORK CITY CODE

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
8 5	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
9 5	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*
	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
1 0 5	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
1 1 5	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*
	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
1 2 5	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
1 3 5	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*
	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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

**M-250
SERIES 2**

NEW YORK CITY CODE

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

**M-250
SERIES 2**

NEW YORK CITY CODE

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
8 5	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
9 5	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*
	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
1 0 5	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
1 1 5	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*
	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
1 2 5	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
1 3 5	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*
	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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

**M-250
SERIES 2**

NEW YORK CITY CODE

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	180,000
	42	79.4	171.2	163,700
	44	78.7	170.8	149,300
	46	77.9	170.3	136,600
	48	77.2	169.8	125,300
	50	76.5	169.3	115,200
	55	74.7	167.8	93,900
	60	72.9	166.2	77,000
	65	71.0	164.4	63,300
	70	69.2	162.4	51,900
	75	67.3	160.2	42,300
	80	65.4	157.8	34,100
	85	63.4	155.2	27,000
	90	61.4	152.4	20,800
	95	59.4	149.4	15,300
	100	57.3	146.1	10,500

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**

NEW YORK CITY CODE

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
8 5	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
9 5	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*
	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
1 0 5	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
1 1 5	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*
	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
1 2 5	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
1 3 5	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*
	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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

**M-250
SERIES 2**

NEW YORK CITY CODE

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	223,200
	38	80.2	161.9	201,000
	40	79.4	161.4	181,800
	42	78.7	161.0	165,200
	44	77.9	160.5	150,600
	46	77.2	160.0	137,600
	48	76.4	159.4	126,100
	50	75.6	158.9	115,800
	55	73.7	157.3	94,100
	60	71.7	155.6	76,900
	65	69.7	153.6	62,900
	70	67.7	151.5	51,200
	75	65.7	149.1	41,400
	80	63.6	146.6	33,000
	85	61.5	143.8	25,800
	90	59.3	140.7	19,400
	95	57.1	137.4	13,800

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	181,900
	42	79.4	171.2	165,200
	44	78.7	170.8	150,600
	46	77.9	170.3	137,700
	48	77.2	169.8	126,100
	50	76.5	169.3	115,800
	55	74.7	167.8	94,100
	60	72.9	166.2	76,800
	65	71.0	164.4	62,800
	70	69.2	162.4	51,200
	75	67.3	160.2	41,300
	80	65.4	157.8	32,900
	85	63.4	155.2	25,700
	90	61.4	152.4	19,300
	95	59.4	149.4	13,800

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**

NEW YORK CITY CODE

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
8 5	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
9 5	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*
	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
1 0 5	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
1 1 5	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*
	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
1 2 5	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
1 3 5	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*
	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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

**M-250
SERIES 2**

NEW YORK CITY CODE

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	217,600
	38	79.5	151.6	195,700
	40	78.7	151.2	176,700
	42	77.9	150.7	160,300
	44	77.1	150.2	145,900
	46	76.2	149.6	133,100
	48	75.4	149.0	121,700
	50	74.6	148.4	111,500
	55	72.5	146.8	90,100
	60	70.4	144.9	73,100
	65	68.3	142.8	59,200
	70	66.1	140.5	47,700
	75	63.9	137.9	38,100
	80	61.6	135.1	29,800
	85	59.3	132.0	22,600
	90	56.9	128.7	16,400
	95	54.5	125.0	10,900

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	218,200
	38	80.2	161.9	196,100
	40	79.4	161.4	177,100
	42	78.7	161.0	160,600
	44	77.9	160.5	146,200
	46	77.2	160.0	133,400
	48	76.4	159.4	121,900
	50	75.6	158.9	111,700
	55	73.7	157.3	90,200
	60	71.7	155.6	73,200
	65	69.7	153.6	59,300
	70	67.7	151.5	47,800
	75	65.7	149.1	38,100
	80	63.6	146.6	29,800
	85	61.5	143.8	22,600
	90	59.3	140.7	16,300
	95	57.1	137.4	10,800

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	196,300
	40	80.1	171.7	177,300
	42	79.4	171.2	160,800
	44	78.7	170.8	146,300
	46	77.9	170.3	133,500
	48	77.2	169.8	122,000
	50	76.5	169.3	111,800
	55	74.7	167.8	90,300
	60	72.9	166.2	73,200
	65	71.0	164.4	59,300
	70	69.2	162.4	47,800
	75	67.3	160.2	38,100
	80	65.4	157.8	29,800
	85	63.4	155.2	22,600
	90	61.4	152.4	16,300
	95	59.4	149.4	10,800

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**

NEW YORK CITY CODE

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
8 5	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
9 5	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*
	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
1 0 5	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
1 1 5	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*
	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
1 2 5	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
1 3 5	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*
	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	220,900
	38	78.7	141.4	198,400
	40	77.8	140.9	179,000
	42	77.0	140.4	162,100
	44	76.1	139.8	147,300
	46	75.2	139.2	134,200
	48	74.3	138.6	122,500
	50	73.4	137.9	112,000
	55	71.2	136.1	90,100
	60	68.9	134.1	72,600
	65	66.5	131.8	58,300
	70	64.2	129.2	46,500
	75	61.7	126.4	36,600
	80	59.2	123.4	28,000
	85	56.7	120.0	20,600
	90	54.0	116.2	14,200

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**

NEW YORK CITY CODE

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	221,800
	38	79.5	151.6	199,200
	40	78.7	151.2	179,900
	42	77.9	150.7	163,000
	44	77.1	150.2	148,200
	46	76.2	149.6	135,100
	48	75.4	149.0	123,400
	50	74.6	148.4	113,000
	55	72.5	146.8	91,000
	60	70.4	144.9	73,500
	65	68.3	142.8	59,300
	70	66.1	140.5	47,500
	75	63.9	137.9	37,500
	80	61.6	135.1	29,000
	85	59.3	132.0	21,600
	90	56.9	128.7	15,200

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 5 5	32	82.4	163.0	239,700*
	34	81.7	162.6	237,600*
	36	80.9	162.3	222,400
	38	80.2	161.9	199,800
	40	79.4	161.4	180,400
	42	78.7	161.0	163,500
	44	77.9	160.5	148,600
	46	77.2	160.0	135,500
	48	76.4	159.4	123,800
	50	75.6	158.9	113,300
	55	73.7	157.3	91,300
	60	71.7	155.6	73,800
	65	69.7	153.6	59,500
	70	67.7	151.5	47,700
	75	65.7	149.1	37,700
	80	63.6	146.6	29,200
	85	61.5	143.8	21,800
	90	59.3	140.7	15,300

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	215,800*
	34	82.2	172.8	213,100*
	36	81.5	172.4	210,500*
	38	80.8	172.1	200,100
	40	80.1	171.7	180,600
	42	79.4	171.2	163,700
	44	78.7	170.8	148,900
	46	77.9	170.3	135,700
	48	77.2	169.8	124,000
	50	76.5	169.3	113,500
	55	74.7	167.8	91,500
	60	72.9	166.2	73,900
	65	71.0	164.4	59,700
	70	69.2	162.4	47,800
	75	67.3	160.2	37,900
	80	65.4	157.8	29,300
	85	63.4	155.2	21,900
	90	61.4	152.4	15,500

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**

NEW YORK CITY CODE

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
8 5	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
9 5	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*
	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
1 0 5	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
1 1 5	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*
	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

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 1 5	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*
1 2 5	105	33.7	69.6	10,800*
	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	242,600
	36	78.7	131.6	216,300
	38	77.8	131.1	194,000
	40	76.8	130.5	174,700
	42	75.9	130.0	158,000
	44	74.9	129.4	143,300
	46	74.0	128.7	130,300
	48	73.0	128.0	118,700
	50	72.0	127.3	108,400
	55	69.6	125.3	86,600
	60	67.0	123.1	69,200
	65	64.5	120.6	55,100
	70	61.9	117.8	43,400
	75	59.2	114.7	33,500
	80	56.4	111.2	25,000
1 3 5	85	53.5	107.4	17,700
	90	50.5	103.2	11,300
	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	243,700
	36	79.6	141.8	217,300
	38	78.7	141.4	194,900
	40	77.8	140.9	175,600
	42	77.0	140.4	158,900
	44	76.1	139.8	144,100
	46	75.2	139.2	131,100
	48	74.3	138.6	119,500
	50	73.4	137.9	109,100
	55	71.2	136.1	87,300
	60	68.9	134.1	69,900
	65	66.5	131.8	55,700
	70	64.2	129.2	44,000
	75	61.7	126.4	34,100
	80	59.2	123.4	25,600
	85	56.7	120.0	18,300
	90	54.0	116.2	11,900

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**

NEW YORK CITY CODE

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	218,300
	38	79.5	151.6	195,900
	40	78.7	151.2	176,600
	42	77.9	150.7	159,900
	44	77.1	150.2	145,100
	46	76.2	149.6	132,100
	48	75.4	149.0	120,500
	50	74.6	148.4	110,100
	55	72.5	146.8	88,300
	60	70.4	144.9	70,900
	65	68.3	142.8	56,800
	70	66.1	140.5	45,100
	75	63.9	137.9	35,200
	80	61.6	135.1	26,700
	85	59.3	132.0	19,400
	90	56.9	128.7	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	237,500*
	34	81.7	162.6	235,400*
	36	80.9	162.3	219,000
	38	80.2	161.9	196,600
	40	79.4	161.4	177,200
	42	78.7	161.0	160,400
	44	77.9	160.5	145,700
	46	77.2	160.0	132,600
	48	76.4	159.4	121,000
	50	75.6	158.9	110,600
	55	73.7	157.3	88,700
	60	71.7	155.6	71,300
	65	69.7	153.6	57,100
	70	67.7	151.5	45,300
	75	65.7	149.1	35,400
	80	63.6	146.6	26,900
	85	61.5	143.8	19,600
	90	59.3	140.7	13,200

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	213,800*
	34	82.2	172.8	211,100*
	36	81.5	172.4	208,500*
	38	80.8	172.1	196,900
	40	80.1	171.7	177,600
	42	79.4	171.2	160,700
	44	78.7	170.8	146,000
	46	77.9	170.3	132,900
	48	77.2	169.8	121,300
	50	76.5	169.3	110,800
	55	74.7	167.8	88,900
	60	72.9	166.2	71,500
	65	71.0	164.4	57,300
	70	69.2	162.4	45,500
	75	67.3	160.2	35,600
	80	65.4	157.8	27,100
	85	63.4	155.2	19,800
	90	61.4	152.4	13,400

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**

NEW YORK CITY CODE

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
8 5	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
9 5	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*
	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

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
9 5	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*
1 0 5	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*
1 1 5	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	236,200
	36	77.7	121.3	210,100
	38	76.7	120.7	187,900
	40	75.7	120.1	168,700
	42	74.6	119.5	152,100
	44	73.6	118.8	137,500
	46	72.5	118.1	124,600
	48	71.4	117.4	113,100
	50	70.4	116.6	102,800
	55	67.7	114.4	81,100

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 1 5	60	64.9	111.9	63,900
	65	62.0	109.1	49,900
	70	59.1	106.0	38,200
	75	56.1	102.5	28,400
	80	52.9	98.6	20,000
	85	49.6	94.2	12,700
1 2 5	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	237,500
	36	78.7	131.6	211,400
	38	77.8	131.1	189,200
	40	76.8	130.5	170,000
	42	75.9	130.0	153,400
	44	74.9	129.4	138,800
	46	74.0	128.7	125,900
	48	73.0	128.0	114,300
	50	72.0	127.3	104,000
	55	69.6	125.3	82,300
	60	67.0	123.1	65,100
	65	64.5	120.6	51,100
	70	61.9	117.8	39,400
	75	59.2	114.7	29,600
	80	56.4	111.2	21,200
	85	53.5	107.4	13,900
1 3 5	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	238,700
	36	79.6	141.8	212,500
	38	78.7	141.4	190,200
	40	77.8	140.9	171,100
	42	77.0	140.4	154,400
	44	76.1	139.8	139,700
	46	75.2	139.2	126,800
	48	74.3	138.6	115,200
	50	73.4	137.9	104,900
	55	71.2	136.1	83,200
	60	68.9	134.1	65,900
	65	66.5	131.8	51,800
	70	64.2	129.2	40,200
	75	61.7	126.4	30,300
	80	59.2	123.4	21,900
	85	56.7	120.0	14,600

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**

NEW YORK CITY CODE

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	213,600
	38	79.5	151.6	191,300
	40	78.7	151.2	172,200
	42	77.9	150.7	155,500
	44	77.1	150.2	140,800
	46	76.2	149.6	127,900
	48	75.4	149.0	116,400
	50	74.6	148.4	106,000
	55	72.5	146.8	84,300
	60	70.4	144.9	67,100
	65	68.3	142.8	53,000
	70	66.1	140.5	41,300
	75	63.9	137.9	31,500
	80	61.6	135.1	23,100
	85	59.3	132.0	15,800

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	214,400
	38	80.2	161.9	192,100
	40	79.4	161.4	172,900
	42	78.7	161.0	156,100
	44	77.9	160.5	141,500
	46	77.2	160.0	128,500
	48	76.4	159.4	116,900
	50	75.6	158.9	106,600
	55	73.7	157.3	84,800
	60	71.7	155.6	67,500
	65	69.7	153.6	53,400
	70	67.7	151.5	41,700
	75	65.7	149.1	31,900
	80	63.6	146.6	23,400
	85	61.5	143.8	16,100

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 6 5	32	82.9	173.1	210,500*
	34	82.2	172.8	207,800*
	36	81.5	172.4	205,100*
	38	80.8	172.1	192,500
	40	80.1	171.7	173,300
	42	79.4	171.2	156,500
	44	78.7	170.8	141,900
	46	77.9	170.3	128,900
	48	77.2	169.8	117,300
	50	76.5	169.3	106,900
	55	74.7	167.8	85,100
	60	72.9	166.2	67,800
	65	71.0	164.4	53,700
	70	69.2	162.4	42,000
	75	67.3	160.2	32,200
	80	65.4	157.8	23,700
	85	63.4	155.2	16,400
	90	61.4	152.4	10,100

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**

NEW YORK CITY CODE

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
8 5	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
9 5	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*
	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
1 0 5	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
1 0 5	46	70.7	107.4	118,200
	48	69.6	106.6	106,800
	50	68.4	105.7	96,600
	55	65.3	103.3	75,200
	60	62.2	100.5	58,100
	65	59.0	97.4	44,200
1 1 5	70	55.7	93.8	32,700
	75	52.2	89.8	22,900
	80	48.5	85.2	14,600
	26	82.8	123.5	271,600*
	27	82.3	123.3	270,100*
	28	81.8	123.1	268,600*
1 1 5	29	81.3	122.9	267,100*
	30	80.8	122.7	265,700*
	32	79.8	122.3	261,900
	34	78.8	121.8	230,900
	36	77.7	121.3	205,000
	38	76.7	120.7	182,900
	40	75.7	120.1	163,900
	42	74.6	119.5	147,400
	44	73.6	118.8	132,900
	46	72.5	118.1	120,100
1 2 5	48	71.4	117.4	108,600
	50	70.4	116.6	98,400
	55	67.7	114.4	76,900
	60	64.9	111.9	59,800
	65	62.0	109.1	45,900
	70	59.1	106.0	34,300
	75	56.1	102.5	24,600
	80	52.9	98.6	16,200
	27	82.9	133.4	253,600*
	28	82.5	133.2	251,600*
1 2 5	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	232,400
	36	78.7	131.6	206,400
	38	77.8	131.1	184,400
	40	76.8	130.5	165,300
	42	75.9	130.0	148,800
	44	74.9	129.4	134,300
	46	74.0	128.7	121,500
1 3 5	48	73.0	128.0	110,000
	50	72.0	127.3	99,800
	55	69.6	125.3	78,300
	60	67.0	123.1	61,200
	65	64.5	120.6	47,200
	70	61.9	117.8	35,700
	75	59.2	114.7	25,900
	80	56.4	111.2	17,600
	85	53.5	107.4	10,400
	28	83.0	143.4	246,400*
1 3 5	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	233,800
	36	79.6	141.8	207,700
	38	78.7	141.4	185,600
	40	77.8	140.9	166,500
	42	77.0	140.4	150,000
	44	76.1	139.8	135,400
	46	75.2	139.2	122,500

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 3 5	48	74.3	138.6	111,100
	50	73.4	137.9	100,800
	55	71.2	136.1	79,200
	60	68.9	134.1	62,100
	65	66.5	131.8	48,100
	70	64.2	129.2	36,500
1 4 5	75	61.7	126.4	26,800
	80	59.2	123.4	18,400
	85	56.7	120.0	11,200
	30	82.7	153.2	237,200*
	32	81.9	152.8	234,500*
	34	81.1	152.5	231,900*
1 4 5	36	80.3	152.1	208,900
	38	79.5	151.6	186,800
	40	78.7	151.2	167,700
	42	77.9	150.7	151,200
	44	77.1	150.2	136,600
	46	76.2	149.6	123,800
	48	75.4	149.0	112,300
	50	74.6	148.4	102,100
	55	72.5	146.8	80,500
	60	70.4	144.9	63,300
1 5 5	65	68.3	142.8	49,400
	70	66.1	140.5	37,800
	75	63.9	137.9	28,100
	80	61.6	135.1	19,700
	85	59.3	132.0	12,500
	32	82.4	163.0	230,800*
	34	81.7	162.6	228,600*
	36	80.9	162.3	209,800
	38	80.2	161.9	187,600
	40	79.4	161.4	168,500
1 5 5	42	78.7	161.0	151,900
	44	77.9	160.5	137,400
	46	77.2	160.0	124,500
	48	76.4	159.4	113,000
	50	75.6	158.9	102,700
	55	73.7	157.3	81,100
	60	71.7	155.6	63,900
	65	69.7	153.6	49,900
	70	67.7	151.5	38,300
	75	65.7	149.1	28,500
1 6 5	80	63.6	146.6	20,100
	85	61.5	143.8	12,900
	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	188,200
	40	80.1	171.7	169,100
	42	79.4	171.2	152,400
	44	78.7	170.8	137,900
	46	77.9	170.3	124,900
1 6 5	48	77.2	169.8	113,500
	50	76.5	169.3	103,100
	55	74.7	167.8	81,500
	60	72.9	166.2	64,300
	65	71.0	164.4	50,300
	70	69.2	162.4	38,700
	75	67.3	160.2	28,900
	80	65.4	157.8	20,500
	85	63.4	155.2	13,300

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**

NEW YORK CITY CODE

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
8 5	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
9 5	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*
	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	251,000
	34	76.3	101.1	220,300
	36	75.0	100.5	194,500
1 0 5	38	73.8	99.8	172,700
	40	72.5	99.1	153,900
	42	71.2	98.3	137,500
	44	69.9	97.4	123,100
	46	68.6	96.6	110,400
	48	67.3	95.6	99,100
	50	65.9	94.6	89,000
	55	62.5	91.9	67,700
	60	58.9	88.7	50,700
	65	55.2	85.0	36,900
	70	51.2	80.9	25,500
	75	47.1	76.0	15,800
	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	253,700
	34	77.7	111.5	223,000
	36	76.5	110.9	197,200
	38	75.4	110.3	175,400
	40	74.2	109.7	156,500
	42	73.1	109.0	140,200
	44	71.9	108.2	125,800
	46	70.7	107.4	113,100
	48	69.6	106.6	101,800
	50	68.4	105.7	91,600

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 0 5	55	65.3	103.3	70,300
	60	62.2	100.5	53,300
	65	59.0	97.4	39,500
	70	55.7	93.8	28,100
	75	52.2	89.8	18,400
1 1 5	80	48.5	85.2	10,200
	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	256,100
	34	78.8	121.8	225,300
	36	77.7	121.3	199,500
	38	76.7	120.7	177,600
	40	75.7	120.1	158,700
	42	74.6	119.5	142,300
	44	73.6	118.8	127,900
	46	72.5	118.1	115,100
	48	71.4	117.4	103,800
	50	70.4	116.6	93,600
1 2 5	55	67.7	114.4	72,200
	60	64.9	111.9	55,200
	65	62.0	109.1	41,400
	70	59.1	106.0	29,900
	75	56.1	102.5	20,200
	80	52.9	98.6	12,000
	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	226,900
	36	78.7	131.6	201,100
	38	77.8	131.1	179,200
	40	76.8	130.5	160,300
	42	75.9	130.0	143,900
1 3 5	44	74.9	129.4	129,400
	46	74.0	128.7	116,700
	48	73.0	128.0	105,300
	50	72.0	127.3	95,100
	55	69.6	125.3	73,800
	60	67.0	123.1	56,800
	65	64.5	120.6	42,900
	70	61.9	117.8	31,500
	75	59.2	114.7	21,800
	80	56.4	111.2	13,500
	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	228,400
	36	79.6	141.8	202,500
	38	78.7	141.4	180,500
	40	77.8	140.9	161,600
	42	77.0	140.4	145,100
	44	76.1	139.8	130,700
	46	75.2	139.2	117,900
	48	74.3	138.6	106,500
	50	73.4	137.9	96,300

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 3 5	55	71.2	136.1	74,900
	60	68.9	134.1	57,800
	65	66.5	131.8	44,000
	70	64.2	129.2	32,500
	75	61.7	126.4	22,800
1 4 5	80	59.2	123.4	14,500
	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	203,900
	38	79.5	151.6	181,900
	40	78.7	151.2	162,900
	42	77.9	150.7	146,500
	44	77.1	150.2	132,000
	46	76.2	149.6	119,300
	48	75.4	149.0	107,900
	50	74.6	148.4	97,700
	55	72.5	146.8	76,300
	60	70.4	144.9	59,200
	65	68.3	142.8	45,400
	70	66.1	140.5	33,900
1 5 5	75	63.9	137.9	24,200
	80	61.6	135.1	15,900
	32	82.4	163.0	227,000*
	34	81.7	162.6	224,800*
	36	80.9	162.3	204,900
	38	80.2	161.9	182,800
	40	79.4	161.4	163,900
	42	78.7	161.0	147,400
	44	77.9	160.5	132,900
	46	77.2	160.0	120,100
	48	76.4	159.4	108,700
	50	75.6	158.9	98,400
	55	73.7	157.3	76,900
	60	71.7	155.6	59,900
	65	69.7	153.6	46,000
	70	67.7	151.5	34,500
1 6 5	75	65.7	149.1	24,700
	80	63.6	146.6	16,400
	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	183,500
	40	80.1	171.7	164,500
	42	79.4	171.2	148,000
	44	78.7	170.8	133,500
	46	77.9	170.3	120,600
	48	77.2	169.8	109,200
	50	76.5	169.3	99,000
	55	74.7	167.8	77,500
	60	72.9	166.2	60,400
	65	71.0	164.4	46,500
	70	69.2	162.4	35,000
	75	67.3	160.2	25,200
	80	65.4	157.8	16,900

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**

NEW YORK CITY CODE

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	241,900
	34	74.6	90.6	211,500
	36	73.2	89.9	186,000
	38	71.8	89.1	164,300
	40	70.3	88.3	145,700
	42	68.8	87.4	129,500
	44	67.4	86.5	115,200
	46	65.8	85.4	102,700
	48	64.3	84.4	91,400
	50	62.8	83.2	81,400
	55	58.8	80.0	60,300
95	60	54.6	76.3	43,500
	65	50.1	71.9	29,900
	70	45.3	66.7	18,600
	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	245,700
	34	76.3	101.1	215,200
	36	75.0	100.5	189,700
	38	73.8	99.8	168,000
	40	72.5	99.1	149,300
	42	71.2	98.3	133,100
	44	69.9	97.4	118,800
	46	68.6	96.6	106,200
	48	67.3	95.6	95,000
	50	65.9	94.6	84,900
	55	62.5	91.9	63,700
	60	58.9	88.7	46,900
	65	55.2	85.0	33,200
	70	51.2	80.9	21,900
	75	47.1	76.0	12,300
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	248,700
	34	77.7	111.5	218,200
	36	76.5	110.9	192,600
	38	75.4	110.3	170,900
	40	74.2	109.7	152,200
	42	73.1	109.0	135,900
	44	71.9	108.2	121,700
	46	70.7	107.4	109,000

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	48	69.6	106.6	97,800
	50	68.4	105.7	87,700
	55	65.3	103.3	66,600
	60	62.2	100.5	49,700
	65	59.0	97.4	36,000
	70	55.7	93.8	24,700
115	75	52.2	89.8	15,100
	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	251,300
	34	78.8	121.8	220,700
	36	77.7	121.3	195,000
	38	76.7	120.7	173,200
	40	75.7	120.1	154,500
	42	74.6	119.5	138,200
	44	73.6	118.8	123,900
	46	72.5	118.1	111,300
	48	71.4	117.4	100,000
	50	70.4	116.6	89,900
	55	67.7	114.4	68,700
	60	64.9	111.9	51,800
	65	62.0	109.1	38,100
	70	59.1	106.0	26,700
	75	56.1	102.5	17,100
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	222,500
	36	78.7	131.6	196,800
	38	77.8	131.1	175,000
	40	76.8	130.5	156,300
	42	75.9	130.0	139,900
	44	74.9	129.4	125,600
	46	74.0	128.7	113,000
	48	73.0	128.0	101,700
	50	72.0	127.3	91,600
	55	69.6	125.3	70,400
135	60	67.0	123.1	53,500
	65	64.5	120.6	39,800
	70	61.9	117.8	28,400
	75	59.2	114.7	18,800
	80	56.4	111.2	10,600
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	224,100
	36	79.6	141.8	198,400
	38	78.7	141.4	176,500
	40	77.8	140.9	157,700
	42	77.0	140.4	141,400
	44	76.1	139.8	127,000
	46	75.2	139.2	114,300

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
135	48	74.3	138.6	103,000
	50	73.4	137.9	92,900
	55	71.2	136.1	71,600
	60	68.9	134.1	54,700
	65	66.5	131.8	40,900
	70	64.2	129.2	29,500
145	75	61.7	126.4	19,900
	80	59.2	123.4	11,600
	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	199,800
	38	79.5	151.6	177,900
	40	78.7	151.2	159,200
	42	77.9	150.7	142,800
	44	77.1	150.2	128,500
155	46	76.2	149.6	115,800
	48	75.4	149.0	104,500
	50	74.6	148.4	94,400
	55	72.5	146.8	73,100
	60	70.4	144.9	56,200
	65	68.3	142.8	42,400
	70	66.1	140.5	31,000
	75	63.9	137.9	21,400
	80	61.6	135.1	13,200
	32	82.4	163.0	224,400*
155	34	81.7	162.6	222,100*
	36	80.9	162.3	200,900
	38	80.2	161.9	179,000
	40	79.4	161.4	160,200
	42	78.7	161.0	143,800
	44	77.9	160.5	129,400
	46	77.2	160.0	116,700
	48	76.4	159.4	105,400
	50	75.6	158.9	95,200
	55	73.7	157.3	73,900
165	60	71.7	155.6	56,900
	65	69.7	153.6	43,100
	70	67.7	151.5	31,700
	75	65.7	149.1	22,100
	80	63.6	146.6	13,800
	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	179,700
	40	80.1	171.7	160,900
165	42	79.4	171.2	144,500
	44	78.7	170.8	130,100
	46	77.9	170.3	117,300
	48	77.2	169.8	106,000
	50	76.5	169.3	95,800
	55	74.7	167.8	74,500
	60	72.9	166.2	57,500
	65	71.0	164.4	43,700
	70	69.2	162.4	32,300
	75	67.3	160.2	22,600
	80	65.4	157.8	14,400

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**

NEW YORK CITY CODE

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	235,000
	34	74.6	90.6	204,700
	36	73.2	89.9	179,400
	38	71.8	89.1	157,900
	40	70.3	88.3	139,400
	42	68.8	87.4	123,300
	44	67.4	86.5	109,200
	46	65.8	85.4	96,700
	48	64.3	84.4	85,500
	50	62.8	83.2	75,600
	55	58.8	80.0	54,600
95	60	54.6	76.3	38,000
	65	50.1	71.9	24,400
	70	45.3	66.7	13,200
	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	257,400*
	30	78.8	102.2	255,700*
	32	77.6	101.7	239,100
	34	76.3	101.1	208,800
	36	75.0	100.5	183,500
	38	73.8	99.8	161,900
	40	72.5	99.1	143,300
	42	71.2	98.3	127,200
	44	69.9	97.4	113,000
	46	68.6	96.6	100,500
	48	67.3	95.6	89,400
	50	65.9	94.6	79,400
	55	62.5	91.9	58,400
	60	58.9	88.7	41,700
	65	55.2	85.0	28,100
	70	51.2	80.9	16,900
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	242,400
	34	77.7	111.5	212,000
	36	76.5	110.9	186,600
	38	75.4	110.3	165,000
	40	74.2	109.7	146,500
	42	73.1	109.0	130,300
	44	71.9	108.2	116,200
	46	70.7	107.4	103,600
	48	69.6	106.6	92,500

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	50	68.4	105.7	82,500
	55	65.3	103.3	61,400
	60	62.2	100.5	44,800
	65	59.0	97.4	31,200
	70	55.7	93.8	19,900
	75	52.2	89.8	10,400
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	245,100
	34	78.8	121.8	214,700
	36	77.7	121.3	189,300
	38	76.7	120.7	167,600
	40	75.7	120.1	149,000
	42	74.6	119.5	132,800
	44	73.6	118.8	118,600
	46	72.5	118.1	106,100
	48	71.4	117.4	94,900
	50	70.4	116.6	84,800
	55	67.7	114.4	63,800
	60	64.9	111.9	47,000
	65	62.0	109.1	33,400
	70	59.1	106.0	22,100
	75	56.1	102.5	12,600
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	216,700
	36	78.7	131.6	191,200
	38	77.8	131.1	169,600
	40	76.8	130.5	150,900
	42	75.9	130.0	134,700
	44	74.9	129.4	120,500
	46	74.0	128.7	108,000
	48	73.0	128.0	96,800
	50	72.0	127.3	86,700
	55	69.6	125.3	65,600
	60	67.0	123.1	48,900
	65	64.5	120.6	35,300
	70	61.9	117.8	24,000
	75	59.2	114.7	14,400
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	218,500
	36	79.6	141.8	192,900
	38	78.7	141.4	171,200
	40	77.8	140.9	152,500
	42	77.0	140.4	136,300
	44	76.1	139.8	122,100
	46	75.2	139.2	109,500
	48	74.3	138.6	98,200

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
135	50	73.4	137.9	88,200
	55	71.2	136.1	67,000
	60	68.9	134.1	50,200
	65	66.5	131.8	36,600
	70	64.2	129.2	25,300
	75	61.7	126.4	15,700
145	30	82.7	153.2	226,900*
	32	81.9	152.8	224,000*
	34	81.1	152.5	220,000
	36	80.3	152.1	194,500
	38	79.5	151.6	172,800
	40	78.7	151.2	154,100
	42	77.9	150.7	137,900
	44	77.1	150.2	123,700
	46	76.2	149.6	111,100
	48	75.4	149.0	99,800
155	50	74.6	148.4	89,800
	55	72.5	146.8	68,700
	60	70.4	144.9	51,900
	65	68.3	142.8	38,200
	70	66.1	140.5	26,900
	75	63.9	137.9	17,400
155	32	82.4	163.0	220,500*
	34	81.7	162.6	218,200*
	36	80.9	162.3	195,700
	38	80.2	161.9	174,000
	40	79.4	161.4	155,300
	42	78.7	161.0	139,000
	44	77.9	160.5	124,700
	46	77.2	160.0	112,100
	48	76.4	159.4	100,800
	50	75.6	158.9	90,700
165	55	73.7	157.3	69,600
	60	71.7	155.6	52,700
	65	69.7	153.6	39,100
	70	67.7	151.5	27,700
	75	65.7	149.1	18,100
165	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	174,800
	40	80.1	171.7	156,100
	42	79.4	171.2	139,800
	44	78.7	170.8	125,500
	46	77.9	170.3	112,800
	48	77.2	169.8	101,600
	50	76.5	169.3	91,500
165	55	74.7	167.8	70,300
	60	72.9	166.2	53,400
	65	71.0	164.4	39,700
	70	69.2	162.4	28,400
	75	67.3	160.2	18,800
	80	65.4	157.8	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**

NEW YORK CITY CODE

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	228,100
	34	74.6	90.6	198,100
	36	73.2	89.9	173,000
	38	71.8	89.1	151,700
	40	70.3	88.3	133,300
	42	68.8	87.4	117,300
	44	67.4	86.5	103,300
	46	65.8	85.4	90,900
	48	64.3	84.4	79,900
95	50	62.8	83.2	70,000
	55	58.8	80.0	49,200
	60	54.6	76.3	32,700
	65	50.1	71.9	19,300
	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	232,600
	34	76.3	101.1	202,500
	36	75.0	100.5	177,400
	38	73.8	99.8	156,000
	40	72.5	99.1	137,500
	42	71.2	98.3	121,500
	44	69.9	97.4	107,500
105	46	68.6	96.6	95,100
	48	67.3	95.6	84,000
	50	65.9	94.6	74,100
	55	62.5	91.9	53,300
	60	58.9	88.7	36,700
	65	55.2	85.0	23,300
	70	51.2	80.9	12,100
	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	236,100
	34	77.7	111.5	206,000
	36	76.5	110.9	180,800
	38	75.4	110.3	159,400
	40	74.2	109.7	141,000
	42	73.1	109.0	124,900
	44	71.9	108.2	110,900
	46	70.7	107.4	98,400

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	48	69.6	106.6	87,400
	50	68.4	105.7	77,400
	55	65.3	103.3	56,600
	60	62.2	100.5	40,000
	65	59.0	97.4	26,600
	70	55.7	93.8	15,400
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	239,100
	34	78.8	121.8	208,900
	36	77.7	121.3	183,700
	38	76.7	120.7	162,200
	40	75.7	120.1	143,700
	42	74.6	119.5	127,600
	44	73.6	118.8	113,600
	46	72.5	118.1	101,100
	48	71.4	117.4	90,000
	50	70.4	116.6	80,000
	55	67.7	114.4	59,100
	60	64.9	111.9	42,500
	65	62.0	109.1	29,000
125	70	59.1	106.0	17,800
	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	211,100
	36	78.7	131.6	185,800
	38	77.8	131.1	164,300
	40	76.8	130.5	145,800
	42	75.9	130.0	129,700
	44	74.9	129.4	115,600
	46	74.0	128.7	103,200
	48	73.0	128.0	92,100
	50	72.0	127.3	82,100
	55	69.6	125.3	61,200
	60	67.0	123.1	44,600
	65	64.5	120.6	31,100
135	70	61.9	117.8	19,900
	75	59.2	114.7	10,400
	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	213,000
	36	79.6	141.8	187,700
	38	78.7	141.4	166,100
	40	77.8	140.9	147,600
	42	77.0	140.4	131,500
	44	76.1	139.8	117,300
	46	75.2	139.2	104,800
	48	74.3	138.6	93,700

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
135	50	73.4	137.9	83,700
	55	71.2	136.1	62,700
	60	68.9	134.1	46,100
	65	66.5	131.8	32,500
	70	64.2	129.2	21,300
	75	61.7	126.4	11,800
145	30	82.7	153.2	223,400*
	32	81.9	152.8	220,400*
	34	81.1	152.5	214,700
	36	80.3	152.1	189,400
	38	79.5	151.6	167,800
	40	78.7	151.2	149,300
	42	77.9	150.7	133,200
	44	77.1	150.2	119,100
	46	76.2	149.6	106,600
	48	75.4	149.0	95,400
	50	74.6	148.4	85,400
	55	72.5	146.8	64,500
	60	70.4	144.9	47,900
	65	68.3	142.8	34,300
	70	66.1	140.5	23,100
	75	63.9	137.9	13,600
155	32	82.4	163.0	217,000*
	34	81.7	162.6	214,500*
	36	80.9	162.3	190,700
	38	80.2	161.9	169,100
	40	79.4	161.4	150,500
	42	78.7	161.0	134,400
	44	77.9	160.5	120,200
	46	77.2	160.0	107,700
	48	76.4	159.4	96,500
	50	75.6	158.9	86,500
	55	73.7	157.3	65,500
	60	71.7	155.6	48,800
	65	69.7	153.6	35,300
	70	67.7	151.5	24,000
	75	65.7	149.1	14,500
165	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	170,000
	40	80.1	171.7	151,400
	42	79.4	171.2	135,300
	44	78.7	170.8	121,100
	46	77.9	170.3	108,600
	48	77.2	169.8	97,400
	50	76.5	169.3	87,400
	55	74.7	167.8	66,300
	60	72.9	166.2	49,600
	65	71.0	164.4	36,000
	70	69.2	162.4	24,800
	75	67.3	160.2	15,300

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**

NEW YORK CITY CODE

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
85	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	220,700
	34	74.6	90.6	191,000
	36	73.2	89.9	166,000
	38	71.8	89.1	144,800
	40	70.3	88.3	126,600
	42	68.8	87.4	110,700
	44	67.4	86.5	96,800
95	46	65.8	85.4	84,500
	48	64.3	84.4	73,600
	50	62.8	83.2	63,700
	55	58.8	80.0	43,100
	60	54.6	76.3	26,800
	65	50.1	71.9	13,500
	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	225,600
	34	76.3	101.1	195,700
	36	75.0	100.5	170,700
105	38	73.8	99.8	149,500
	40	72.5	99.1	131,200
	42	71.2	98.3	115,300
	44	69.9	97.4	101,400
	46	68.6	96.6	89,000
	48	67.3	95.6	78,100
	50	65.9	94.6	68,200
	55	62.5	91.9	47,600
	60	58.9	88.7	31,200
	65	55.2	85.0	17,800
	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	229,300
	34	77.7	111.5	199,500
	36	76.5	110.9	174,400
	38	75.4	110.3	153,200
	40	74.2	109.7	134,900
	42	73.1	109.0	119,000
	44	71.9	108.2	105,000
	46	70.7	107.4	92,700

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
105	48	69.6	106.6	81,700
	50	68.4	105.7	71,900
	55	65.3	103.3	51,200
	60	62.2	100.5	34,800
	65	59.0	97.4	21,400
	70	55.7	93.8	10,300
115	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	232,500
	34	78.8	121.8	202,600
	36	77.7	121.3	177,500
	38	76.7	120.7	156,200
	40	75.7	120.1	137,900
	42	74.6	119.5	121,900
	44	73.6	118.8	107,900
	46	72.5	118.1	95,600
	48	71.4	117.4	84,600
	50	70.4	116.6	74,700
	55	67.7	114.4	53,900
125	60	64.9	111.9	37,500
	65	62.0	109.1	24,100
	70	59.1	106.0	13,000
	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	205,000
	36	78.7	131.6	179,900
	38	77.8	131.1	158,500
	40	76.8	130.5	140,200
	42	75.9	130.0	124,200
	44	74.9	129.4	110,200
	46	74.0	128.7	97,900
	48	73.0	128.0	86,800
	50	72.0	127.3	76,900
	55	69.6	125.3	56,200
135	60	67.0	123.1	39,700
	65	64.5	120.6	26,300
	70	61.9	117.8	15,200
	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	207,000
	36	79.6	141.8	181,900
	38	78.7	141.4	160,500
	40	77.8	140.9	142,100
	42	77.0	140.4	126,100
	44	76.1	139.8	112,100
	46	75.2	139.2	99,700

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
135	48	74.3	138.6	88,600
	50	73.4	137.9	78,700
	55	71.2	136.1	57,900
	60	68.9	134.1	41,400
	65	66.5	131.8	28,000
	70	64.2	129.2	16,800
145	30	82.7	153.2	219,200*
	32	81.9	152.8	216,100*
	34	81.1	152.5	208,900
	36	80.3	152.1	183,700
	38	79.5	151.6	162,300
	40	78.7	151.2	144,000
	42	77.9	150.7	128,000
	44	77.1	150.2	114,000
	46	76.2	149.6	101,600
	48	75.4	149.0	90,500
	50	74.6	148.4	80,600
	55	72.5	146.8	59,800
	60	70.4	144.9	43,300
	65	68.3	142.8	29,900
	70	66.1	140.5	18,700
155	32	82.4	163.0	212,800*
	34	81.7	162.6	210,300*
	36	80.9	162.3	185,200
	38	80.2	161.9	163,800
	40	79.4	161.4	145,300
	42	78.7	161.0	129,300
	44	77.9	160.5	115,200
	46	77.2	160.0	102,800
	48	76.4	159.4	91,700
	50	75.6	158.9	81,800
	55	73.7	157.3	61,000
	60	71.7	155.6	44,400
	65	69.7	153.6	30,900
	70	67.7	151.5	19,800
	75	65.7	149.1	10,400
165	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	164,800
	40	80.1	171.7	146,300
	42	79.4	171.2	130,300
	44	78.7	170.8	116,200
	46	77.9	170.3	103,800
	48	77.2	169.8	92,700
	50	76.5	169.3	82,800
	55	74.7	167.8	61,900
	60	72.9	166.2	45,300
	65	71.0	164.4	31,800
	70	69.2	162.4	20,700
	75	67.3	160.2	11,200