

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

LUFFING JIB NO. 133 OR 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 250' AND NEW YORK CITY CRITERIA OF 1.4 FACTOR APPLIED TO TOTAL MACHINE MOMENT FOR BOOM AND LUFFING JIB LENGTH COMBINATIONS 260' ON UP. CAPACITIES BASED ON STRUCTURAL COMPETENCE ARE DENOTED BY AN ASTERISK (*).

200' BOOM LENGTH REQUIRES ONLY THE MIDDLE 3 SHEAVES TO BE USED ON LOWER BOOM POINT. ALL OTHER SHEAVES MUST BE REMOVED FROM LOWER BOOM POINT.

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM 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 LUFFING JIB ASSEMBLY NO. 172894 OR NO. 174308, WIRE ROPE SPECIFICATION CHART NO. 7581-E, LUFFING JIB RAISING PROCEDURE CHART NO. 7604-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 AND LOWERING BOOM AND LUFFING JIB TO GROUND WHEN WIND IS ABOVE 50 MPH. REFER TO MAXIMUM ALLOWABLE WIND CONDITIONS CHART NO. 7656-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. 7678-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, 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 FEET	LUFFING JIB LENGTH FEET	BOOM LENGTH FEET	LUFFING JIB LENGTH FEET	BOOM LENGTH FEET	LUFFING JIB LENGTH FEET
80 - 100	70 - 200	110 - 120	190 - 200	170 - 180	190 - 200
110 - 120	70 - 180	130 - 140	170 - 200	190	160 - 200
130 - 140	70 - 160	150 - 160	160 - 200	200	160 - 170
150 - 160	70 - 150	170 - 180	150 - 180		
170 - 180	70 - 140	190 - 200	120 - 150		
190 - 200	70 - 110				

CONSULT CHART NO. 7741-A FOR LUFFING JIB CAPACITIES

MANITOWOC ENGINEERING CO.

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LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

70' LUFFING JIB NO. 133 OR 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
80	20	82.4	86.9	473,900*
	21	81.7	86.7	470,300*
	22	80.9	86.5	466,900*
	23	80.2	86.3	463,700*
	24	79.5	86.1	452,600*
	25	78.7	85.9	434,200*
	26	78.0	85.6	417,200*
	27	77.3	85.4	401,300*
	28	76.5	85.1	386,400*
	29	75.8	84.8	372,500*
	30	75.0	84.5	358,700
	32	73.5	83.9	319,600
	34	72.0	83.2	287,400
	36	70.5	82.4	260,400
	38	68.9	81.6	237,500
	40	67.3	80.7	217,800
	42	65.8	79.8	200,600
	44	64.2	78.7	185,600
90	46	62.5	77.6	172,200
	48	60.9	76.5	160,400
	50	59.2	75.2	149,700
	21	82.6	96.9	452,600*
	22	81.9	96.7	449,100*
	23	81.3	96.5	445,600*
	24	80.6	96.3	442,400*
	25	80.0	96.1	434,300*
	26	79.3	95.9	417,200*
	27	78.7	95.7	401,300*
	28	78.0	95.4	386,500*
	29	77.4	95.2	372,600*
	30	76.7	94.9	359,600*
	32	75.4	94.4	320,800
	34	74.1	93.7	288,500
	36	72.7	93.1	261,500
	38	71.4	92.4	238,500
	40	70.0	91.6	218,700
100	42	68.6	90.8	201,500
	44	67.2	89.9	186,500
	46	65.8	88.9	173,100
	48	64.4	87.9	161,200
	50	63.0	86.8	150,600
	55	59.3	83.9	128,200
	22	82.8	106.8	430,200*
	23	82.2	106.7	426,800*
	24	81.6	106.5	423,500*
	25	81.0	106.3	419,000*
	26	80.4	106.1	414,100*
	27	79.8	105.9	401,000*
	28	79.3	105.7	386,200*
	29	78.7	105.5	372,300*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
100	30	78.1	105.2	359,300*
	32	76.9	104.7	321,600
	34	75.7	104.2	289,200
	36	74.5	103.6	262,100
	38	73.3	103.0	239,100
	40	72.1	102.3	219,300
	42	70.9	101.5	202,100
	44	69.7	100.8	187,000
	46	68.4	99.9	173,600
	48	67.2	99.0	161,700
110	50	65.9	98.1	151,000
	55	62.7	95.5	128,600
	60	59.3	92.5	110,800
	65	55.9	89.2	96,300
	23	82.9	116.8	336,000*
	24	82.4	116.6	333,400*
	25	81.8	116.5	330,900*
	26	81.3	116.3	328,500*
	27	80.8	116.1	326,200*
	28	80.3	115.9	323,900*
120	29	79.7	115.7	321,700*
	30	79.2	115.5	319,600*
	32	78.1	115.0	315,600*
	34	77.0	114.6	289,800
	36	76.0	114.0	262,700
	38	74.9	113.4	239,600
	40	73.8	112.8	219,800
	42	72.7	112.2	202,500
	44	71.6	111.5	187,400
	46	70.5	110.7	174,000
130	48	69.4	109.9	162,100
	50	68.2	109.1	151,400
	55	65.4	106.8	128,900
	60	62.4	104.2	111,100
	65	59.4	101.2	96,600
	70	56.3	97.9	84,500
	24	83.0	126.8	314,400*
	25	82.5	126.6	312,200*
	26	82.0	126.4	310,100*
	27	81.6	126.3	308,100*
140	28	81.1	126.1	306,200*
	29	80.6	125.9	304,300*
	30	80.1	125.7	302,500*
	32	79.1	125.3	299,000*
	34	78.1	124.8	290,200
	36	77.2	124.4	263,000
	38	76.2	123.8	239,900
	40	75.2	123.3	220,000
	42	74.2	122.7	202,800
	44	73.2	122.0	187,600

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
120	46	72.2	121.4	174,200
	48	71.2	120.6	162,200
	50	70.1	119.9	151,500
	55	67.6	117.8	129,000
	60	64.9	115.5	111,100
	65	62.2	112.8	96,600
130	70	59.5	109.9	84,500
	75	56.6	106.6	74,300
	26	82.7	136.6	311,800*
	27	82.2	136.4	309,900*
	28	81.8	136.2	308,000*
	29	81.3	136.1	306,200*
	30	80.9	135.9	304,400*
	32	80.0	135.5	301,000*
	34	79.1	135.1	290,700
	36	78.2	134.6	263,500
	38	77.3	134.2	240,400
	40	76.4	133.6	220,500
	42	75.4	133.1	203,300
	44	74.5	132.5	188,100
	46	73.6	131.9	174,700
	48	72.7	131.2	162,700
	50	71.7	130.5	152,000
	55	69.4	128.7	129,500
140	60	67.0	126.5	111,600
	65	64.5	124.1	97,100
	70	62.1	121.5	85,000
	75	59.5	118.5	74,800
	80	56.9	115.3	66,100
	27	82.8	146.5	302,400*
	28	82.4	146.4	300,700*
	29	81.9	146.2	299,000*
	30	81.5	146.0	297,400*
	32	80.7	145.7	294,300*
	34	79.9	145.3	286,300*
	36	79.0	144.9	263,800
	38	78.2	144.4	240,600
	40	77.4	144.0	220,700
	42	76.5	143.5	203,400
	44	75.7	142.9	188,100
	46	74.8	142.3	174,700
	48	74.0	141.7	162,700
	50	73.1	141.1	152,000
150	55	70.9	139.4	129,400
	60	68.7	137.4	111,500
	65	66.5	135.2	96,900
	70	64.2	132.8	84,800
	75	61.9	130.1	74,600
	80	59.5	127.2	65,900
	85	57.1	124.0	58,400

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70' LUFFING JIB NO. 133 OR 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
150	28	82.9	156.5	261,700*
	29	82.5	156.3	260,000*
	30	82.1	156.2	258,300*
	32	81.3	155.8	255,000*
	34	80.6	155.5	250,200*
	36	79.8	155.1	243,000*
	38	79.0	154.7	236,100*
	40	78.2	154.2	220,700
	42	77.4	153.8	203,400
	44	76.6	153.3	188,100
	46	75.8	152.7	174,700
	48	75.1	152.2	162,700
	50	74.3	151.6	151,900
	55	72.3	150.0	129,300
	60	70.2	148.2	111,400
	65	68.2	146.2	96,800
	70	66.1	143.9	84,700
	75	63.9	141.5	74,500
160	80	61.8	138.8	65,800
	85	59.6	135.9	58,200
	90	57.3	132.6	51,600
	29	83.0	166.4	252,600*
	30	82.6	166.3	251,200*
	32	81.9	166.0	246,400*
	34	81.1	165.7	238,900*
	36	80.4	165.3	231,800*
	38	79.7	164.9	225,000*
	40	79.0	164.5	218,500*
	42	78.2	164.0	203,300
	44	77.5	163.6	188,100
170	46	76.8	163.1	174,600
	48	76.0	162.6	162,600
	50	75.3	162.0	151,800
	55	73.4	160.5	129,200
	60	71.5	158.8	111,200
	65	69.6	157.0	96,600
	70	67.7	154.9	84,400
	75	65.7	152.6	74,200
	80	63.7	150.2	65,400
	85	61.7	147.5	57,900
	90	59.6	144.5	51,300
	95	57.5	141.3	45,500
180	30	83.0	176.4	243,400*
	32	82.4	176.1	235,800*
	34	81.7	175.8	228,500*
	36	81.0	175.5	221,500*
	38	80.3	175.1	214,900*
	40	79.6	174.7	208,500*
	42	78.9	174.3	202,400*
	44	78.2	173.8	188,100
	46	77.5	173.4	174,600
	48	76.9	172.9	162,600
	50	76.2	172.4	151,800
	55	74.4	171.0	129,200

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
170	60	72.6	169.4	111,200
	65	70.9	167.6	96,600
	70	69.1	165.7	84,500
	75	67.2	163.6	74,200
	80	65.4	161.3	65,500
	85	63.5	158.8	57,900
180	90	61.6	156.1	51,300
	95	59.6	153.2	45,500
	100	57.6	150.0	40,400
	32	82.8	186.2	223,500*
	34	82.1	185.9	216,500*
	36	81.5	185.6	209,800*
190	38	80.9	185.3	203,400*
	40	80.2	184.9	197,200*
	42	79.6	184.5	191,300*
	44	78.9	184.1	185,700*
	46	78.3	183.6	174,500
	48	77.6	183.2	162,400
200	50	76.9	182.7	151,600
	55	75.3	181.4	129,000
	60	73.6	179.9	111,000
	65	72.0	178.3	96,300
	70	70.3	176.5	84,100
	75	68.6	174.5	73,900
210	80	66.8	172.3	65,100
	85	65.1	170.0	57,600
	90	63.3	167.5	50,900
	95	61.5	164.8	45,100
	100	59.6	161.8	40,000
	105	57.8	158.7	35,300
220	34	82.6	196.0	192,800*
	36	81.9	195.7	188,200*
	38	81.3	195.4	183,700*
	40	80.7	195.1	179,400*
	42	80.1	194.7	175,000*
	44	79.5	194.3	161,100
230	46	78.9	193.9	148,200
	48	78.3	193.4	136,700
	50	77.6	193.0	126,400
	55	76.1	191.7	104,800
	60	74.5	190.3	87,600
	65	72.9	188.8	73,600
240	70	71.4	187.1	62,000
	75	69.7	185.3	52,300
	80	68.1	183.2	43,900
	85	66.5	181.1	36,700
	90	64.8	178.7	30,400
	95	63.1	176.2	24,800
250	100	61.4	173.4	19,900
	105	59.7	170.5	15,500
	110	57.9	167.4	11,500

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
200	34	82.9	206.1	180,000*
	36	82.4	205.8	176,900*
	38	81.8	205.5	172,600*
	40	81.2	205.2	168,400*
	42	80.6	204.8	164,200*
	44	80.0	204.5	160,100*
	46	79.4	204.1	147,900
	48	78.9	203.7	136,300
	50	78.3	203.2	126,000
	55	76.8	202.1	104,400
	60	75.3	200.7	87,100
	65	73.8	199.3	73,100
210	70	72.3	197.7	61,500
	75	70.8	195.9	51,700
	80	69.3	194.0	43,300
	85	67.7	192.0	36,100
	90	66.2	189.8	29,800
	95	64.6	187.4	24,200
	100	63.0	184.8	19,200
	105	61.3	182.1	14,800
	110	59.7	179.2	10,900

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NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

80' LUFFING JIB NO. 133 OR 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
80	20	82.4	86.9	472,900*
	21	81.7	86.7	469,200*
	22	80.9	86.5	465,700*
	23	80.2	86.3	462,200*
	24	79.5	86.1	450,500*
	25	78.7	85.9	432,100*
	26	78.0	85.6	415,000*
	27	77.3	85.4	399,000*
	28	76.5	85.1	384,200*
	29	75.8	84.8	370,300*
	30	75.0	84.5	355,500
	32	73.5	83.9	316,500
	34	72.0	83.2	284,300
	36	70.5	82.4	257,300
	38	68.9	81.6	234,400
	40	67.3	80.7	214,700
	42	65.8	79.8	197,600
	44	64.2	78.7	182,500
90	46	62.5	77.6	169,200
	48	60.9	76.5	157,400
	50	59.2	75.2	146,800
	55	54.8	71.7	124,500
	21	82.6	96.9	451,900*
	22	81.9	96.7	448,300*
	23	81.3	96.5	444,700*
	24	80.6	96.3	441,300*
	25	80.0	96.1	432,200*
	26	79.3	95.9	415,100*
	27	78.7	95.7	399,200*
	28	78.0	95.4	384,400*
	29	77.4	95.2	370,500*
	30	76.7	94.9	356,900
	32	75.4	94.4	317,800
	34	74.1	93.7	285,600
	36	72.7	93.1	258,600
	38	71.4	92.4	235,600
100	40	70.0	91.6	215,900
	42	68.6	90.8	198,700
	44	67.2	89.9	183,700
	46	65.8	88.9	170,300
	48	64.4	87.9	158,500
	50	63.0	86.8	147,800
	55	59.3	83.9	125,500
	60	55.4	80.4	107,700
	65	51.3	76.5	93,300
	22	82.8	106.8	429,800*
	23	82.2	106.7	426,300*
	24	81.6	106.5	422,900*
	25	81.0	106.3	419,600*
	26	80.4	106.1	414,900*
	27	79.8	105.9	399,000*
	28	79.3	105.7	384,200*
	29	78.7	105.5	370,300*
	30	78.1	105.2	357,300*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
100	32	76.9	104.7	318,800
	34	75.7	104.2	286,500
	36	74.5	103.6	259,400
	38	73.3	103.0	236,400
	40	72.1	102.3	216,600
	42	70.9	101.5	199,400
	44	69.7	100.8	184,300
	46	68.4	99.9	171,000
	48	67.2	99.0	159,100
	50	65.9	98.1	148,400
110	55	62.7	95.5	126,000
	60	59.3	92.5	108,200
	65	55.9	89.2	93,700
	70	52.3	85.3	81,700
	23	82.9	116.8	335,000*
	24	82.4	116.6	332,400*
	25	81.8	116.5	329,800*
	26	81.3	116.3	327,400*
	27	80.8	116.1	325,000*
	28	80.3	115.9	322,700*
120	29	79.7	115.7	320,400*
	30	79.2	115.5	318,300*
	32	78.1	115.0	314,100*
	34	77.0	114.6	287,200
	36	76.0	114.0	260,100
	38	74.9	113.4	237,100
	40	73.8	112.8	217,300
	42	72.7	112.2	200,000
	44	71.6	111.5	184,900
	46	70.5	110.7	171,500
130	48	69.4	109.9	159,600
	50	68.2	109.1	148,900
	55	65.4	106.8	126,500
	60	62.4	104.2	108,700
	65	59.4	101.2	94,200
	70	56.3	97.9	82,100
	75	53.0	94.1	72,000
	24	83.0	126.8	313,500*
	25	82.5	126.6	311,300*
	26	82.0	126.4	309,200*
140	27	81.6	126.3	307,100*
	28	81.1	126.1	305,100*
	29	80.6	125.9	303,200*
	30	80.1	125.7	301,300*
	32	79.1	125.3	297,700*
	34	78.1	124.8	287,700
	36	77.2	124.4	260,600
	38	76.2	123.8	237,500
	40	75.2	123.3	217,600
	42	74.2	122.7	200,400
150	44	73.2	122.0	185,200
	46	72.2	121.4	171,800
	48	71.2	120.6	159,900
	50	70.1	119.9	149,200
	26	82.0	126.4	309,200*
	27	81.6	126.3	307,100*
	28	81.1	126.1	305,100*
	29	80.6	125.9	303,200*
	30	80.1	125.7	301,300*
	32	79.1	125.3	297,700*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
120	55	67.6	117.8	126,700
	60	64.9	115.5	108,800
	65	62.2	112.8	94,300
	70	59.5	109.9	82,200
	75	56.6	106.6	72,100
	80	53.6	102.9	63,400
130	26	82.7	136.6	310,900*
	27	82.2	136.4	308,900*
	28	81.8	136.2	307,000*
	29	81.3	136.1	305,100*
	30	80.9	135.9	303,300*
	32	80.0	135.5	299,800*
	34	79.1	135.1	288,300
	36	78.2	134.6	261,200
	38	77.3	134.2	238,100
	40	76.4	133.6	218,200
	42	75.4	133.1	201,000
	44	74.5	132.5	185,800
140	46	73.6	131.9	172,400
	48	72.7	131.2	160,500
	50	71.7	130.5	149,700
	55	69.4	128.7	127,300
	60	67.0	126.5	109,400
	65	64.5	124.1	94,900
	70	62.1	121.5	82,800
	75	59.5	118.5	72,600
	80	56.9	115.3	64,000
	85	54.2	111.7	56,400
	90	51.3	107.7	49,900
	27	82.8	146.5	301,600*
150	28	82.4	146.4	299,800*
	29	81.9	146.2	298,100*
	30	81.5	146.0	296,400*
	32	80.7	145.7	293,300*
	34	79.9	145.3	285,100*
	36	79.0	144.9	261,500
	38	78.2	144.4	238,300
	40	77.4	144.0	218,400
	42	76.5	143.5	201,100
	44	75.7	142.9	185,900
	46	74.8	142.3	172,500
	48	74.0	141.7	160,500
160	50	73.1	141.1	149,800
	55	70.9	139.4	127,300
	60	68.7	137.4	109,400
	65	66.5	135.2	94,800
	70	64.2	132.8	82,700
	75	61.9	130.1	72,500
170	80	59.5	127.2	63,800
	85	57.1	124.0	56,300
180	90	54.6	120.4	49,700
	95	52.0	116.5	43,900

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

80' LUFFING JIB NO. 133 OR 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
150	28	82.9	156.5	261,300*
	29	82.5	156.3	259,500*
	30	82.1	156.2	257,800*
	32	81.3	155.8	254,300*
	34	80.6	155.5	249,100*
	36	79.8	155.1	241,800*
	38	79.0	154.7	234,900*
	40	78.2	154.2	218,500
	42	77.4	153.8	201,200
	44	76.6	153.3	186,000
	46	75.8	152.7	172,600
	48	75.1	152.2	160,600
	50	74.3	151.6	149,800
	55	72.3	150.0	127,300
	60	70.2	148.2	109,300
	65	68.2	146.2	94,800
	70	66.1	143.9	82,700
	75	63.9	141.5	72,500
	80	61.8	138.8	63,700
	85	59.6	135.9	56,200
160	90	57.3	132.6	49,600
	95	55.0	129.1	43,800
	100	52.6	125.3	38,700
	29	83.0	166.4	252,200*
	30	82.6	166.3	250,700*
	32	81.9	166.0	245,700*
	34	81.1	165.7	238,100*
	36	80.4	165.3	230,800*
	38	79.7	164.9	223,900*
	40	79.0	164.5	217,300*
	42	78.2	164.0	201,200
	44	77.5	163.6	186,000
	46	76.8	163.1	172,500
	48	76.0	162.6	160,500
	50	75.3	162.0	149,700
	55	73.4	160.5	127,100
	60	71.5	158.8	109,200
	65	69.6	157.0	94,600
	70	67.7	154.9	82,500
	75	65.7	152.6	72,200
170	80	63.7	150.2	63,500
	85	61.7	147.5	55,900
	90	59.6	144.5	49,300
	95	57.5	141.3	43,500
	100	55.3	137.9	38,400
	105	53.1	134.1	33,800
	30	83.0	176.4	243,000*
	32	82.4	176.1	235,200*
	34	81.7	175.8	227,800*
	36	81.0	175.5	220,800*
180	38	80.3	175.1	214,000*
	40	79.6	174.7	207,600*
	42	78.9	174.3	201,300
	44	78.2	173.8	186,100

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
170	46	77.5	173.4	172,600
	48	76.9	172.9	160,600
	50	76.2	172.4	149,800
	55	74.4	171.0	127,200
	60	72.6	169.4	109,300
	65	70.9	167.6	94,700
	70	69.1	165.7	82,500
	75	67.2	163.6	72,300
	80	65.4	161.3	63,600
	85	63.5	158.8	56,000
180	90	61.6	156.1	49,400
	95	59.6	153.2	43,600
	100	57.6	150.0	38,500
	105	55.6	146.6	33,900
	110	53.5	142.9	29,700
	115	51.3	138.9	26,000
190	32	82.8	186.2	223,200*
	34	82.1	185.9	216,100*
	36	81.5	185.6	209,300*
	38	80.9	185.3	202,700*
	40	80.2	184.9	190,000
	42	79.6	184.5	173,400
	44	78.9	184.1	158,900
	46	78.3	183.6	146,000
	48	77.6	183.2	134,600
	50	76.9	182.7	124,300
200	55	75.3	181.4	102,700
	60	73.6	179.9	85,600
	65	72.0	178.3	71,600
	70	70.3	176.5	60,100
	75	68.6	174.5	50,300
	80	66.8	172.3	42,000
	85	65.1	170.0	34,800
	90	63.3	167.5	28,500
	95	61.5	164.8	22,900
	100	59.6	161.8	18,000
210	105	57.8	158.7	13,600
	34	82.6	196.0	192,300*
	36	81.9	195.7	187,700*
	38	81.3	195.4	183,100*
	40	80.7	195.1	178,700*
	42	80.1	194.7	173,100
	44	79.5	194.3	158,600
	46	78.9	193.9	145,700
	48	78.3	193.4	134,200
	50	77.6	193.0	123,900
220	55	76.1	191.7	102,300
	60	74.5	190.3	85,200
	65	72.9	188.8	71,200
	70	71.4	187.1	59,600
	75	69.7	185.3	49,900

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
190	80	68.1	183.2	41,500
	85	66.5	181.1	34,300
	90	64.8	178.7	28,000
	95	63.1	176.2	22,500
	100	61.4	173.4	17,500
	105	59.7	170.5	13,100
200	34	82.9	206.1	180,000*
	36	82.4	205.8	176,600*
	38	81.8	205.5	172,200*
	40	81.2	205.2	167,900*
	42	80.6	204.8	163,700*
	44	80.0	204.5	158,300
	46	79.4	204.1	145,400
	48	78.9	203.7	133,900
	50	78.3	203.2	123,600
	55	76.8	202.1	102,000
	60	75.3	200.7	84,800
	65	73.8	199.3	70,800
	70	72.3	197.7	59,100
	75	70.8	195.9	49,400
210	80	69.3	194.0	41,000
	85	67.7	192.0	33,800
	90	66.2	189.8	27,400
	95	64.6	187.4	21,900
	100	63.0	184.8	16,900
220	105	61.3	182.1	12,500

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

90' LUFFING JIB NO. 133 OR 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
80	20	82.4	86.9	464,200*
	21	81.7	86.7	460,500*
	22	80.9	86.5	456,900*
	23	80.2	86.3	453,400*
	24	79.5	86.1	446,400*
	25	78.7	85.9	428,100*
	26	78.0	85.6	411,100*
	27	77.3	85.4	395,200*
	28	76.5	85.1	380,400*
	29	75.8	84.8	366,600*
	30	75.0	84.5	349,800
	32	73.5	83.9	311,100
	34	72.0	83.2	279,200
	36	70.5	82.4	252,500
	38	68.9	81.6	229,800
	40	67.3	80.7	210,300
	42	65.8	79.8	193,300
	44	64.2	78.7	178,400
90	46	62.5	77.6	165,300
	48	60.9	76.5	153,500
	50	59.2	75.2	143,000
	55	54.8	71.7	120,900
	21	82.6	96.9	443,900*
	22	81.9	96.7	440,200*
	23	81.3	96.5	436,600*
	24	80.6	96.3	433,200*
	25	80.0	96.1	428,300*
	26	79.3	95.9	411,300*
	27	78.7	95.7	395,500*
	28	78.0	95.4	380,700*
	29	77.4	95.2	366,900*
	30	76.7	94.9	351,300
	32	75.4	94.4	312,500
	34	74.1	93.7	280,600
	36	72.7	93.1	253,900
	38	71.4	92.4	231,100
100	40	70.0	91.6	211,600
	42	68.6	90.8	194,600
	44	67.2	89.9	179,700
	46	65.8	88.9	166,500
	48	64.4	87.9	154,700
	50	63.0	86.8	144,200
	55	59.3	83.9	122,100
	60	55.4	80.4	104,500
	65	51.3	76.5	90,200
	22	82.8	106.8	422,300*
	23	82.2	106.7	418,800*
	24	81.6	106.5	415,300*
	25	81.0	106.3	412,000*
	26	80.4	106.1	408,800*
	27	79.8	105.9	395,300*
	28	79.3	105.7	380,600*
	29	78.7	105.5	366,700*
	30	78.1	105.2	352,500

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
100	32	76.9	104.7	313,700
	34	75.7	104.2	281,700
	36	74.5	103.6	254,800
	38	73.3	103.0	232,100
	40	72.1	102.3	212,400
	42	70.9	101.5	195,400
	44	69.7	100.8	180,400
	46	68.4	99.9	167,200
	48	67.2	99.0	155,400
	50	65.9	98.1	144,900
110	55	62.7	95.5	122,700
	60	59.3	92.5	105,100
	65	55.9	89.2	90,700
	70	52.3	85.3	78,800
	23	82.9	116.8	330,400*
	24	82.4	116.6	327,700*
	25	81.8	116.5	325,200*
	26	81.3	116.3	322,700*
	27	80.8	116.1	320,300*
	28	80.3	115.9	318,000*
120	29	79.7	115.7	315,800*
	30	79.2	115.5	313,600*
	32	78.1	115.0	309,500*
	34	77.0	114.6	282,500
	36	76.0	114.0	255,600
	38	74.9	113.4	232,800
	40	73.8	112.8	213,200
	42	72.7	112.2	196,100
	44	71.6	111.5	181,100
	46	70.5	110.7	167,900
130	48	69.4	109.9	156,100
	50	68.2	109.1	145,500
	55	65.4	106.8	123,300
	60	62.4	104.2	105,600
	65	59.4	101.2	91,300
	70	56.3	97.9	79,400
	75	53.0	94.1	69,300
	24	83.0	126.8	309,200*
	25	82.5	126.6	307,000*
	26	82.0	126.4	304,800*
140	27	81.6	126.3	302,800*
	28	81.1	126.1	300,800*
	29	80.6	125.9	298,800*
	30	80.1	125.7	297,000*
	32	79.1	125.3	293,400*
	34	78.1	124.8	283,100
	36	77.2	124.4	256,200
	38	76.2	123.8	233,300
	40	75.2	123.3	213,600
	42	74.2	122.7	196,500
150	44	73.2	122.0	181,500
	46	72.2	121.4	168,200
	48	71.2	120.6	156,400
	50	70.1	119.9	145,800
	27	82.8	146.5	297,300*
	28	82.4	146.4	295,600*
	29	81.9	146.2	293,900*
	30	81.5	146.0	292,200*
	32	80.7	145.7	289,100*
	34	79.9	145.3	280,000*
160	36	79.0	144.9	257,200
	38	78.2	144.4	234,300
	40	77.4	144.0	214,600
	42	76.5	143.5	197,400
	44	75.7	142.9	182,400
	46	74.8	142.3	169,100
	48	74.0	141.7	157,200
	50	73.1	141.1	146,600
	55	70.9	139.4	124,200
	60	68.7	137.4	106,500
170	65	66.5	135.2	92,100
	70	64.2	132.8	80,100
	75	61.9	130.1	70,000
	80	59.5	127.2	61,400
	85	57.1	124.0	53,900
	90	54.6	120.4	47,400
	95	52.0	116.5	41,700
	27	82.8	146.5	297,300*
	28	82.4	146.4	295,600*
	29	81.9	146.2	293,900*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
120	55	67.6	117.8	123,500
	60	64.9	115.5	105,800
	65	62.2	112.8	91,400
	70	59.5	109.9	79,500
	75	56.6	106.6	69,400
	80	53.6	102.9	60,800
130	26	82.7	136.6	306,600*
	27	82.2	136.4	304,600*
	28	81.8	136.2	302,700*
	29	81.3	136.1	300,800*
	30	80.9	135.9	299,000*
	32	80.0	135.5	295,500*
	34	79.1	135.1	283,800
	36	78.2	134.6	256,900
	38	77.3	134.2	234,000
	40	76.4	133.6	214,300
	42	75.4	133.1	197,200
	44	74.5	132.5	182,200
	46	73.6	131.9	168,900
	48	72.7	131.2	157,000
140	50	71.7	130.5	146,400
	55	69.4	128.7	124,200
	60	67.0	126.5	106,500
	65	64.5	124.1	92,100
	70	62.1	121.5	80,100
	75	59.5	118.5	70,100
	80	56.9	115.3	61,500
	85	54.2	111.7	54,000
	90	51.3	107.7	47,600
	27	82.8	146.5	297,300*
	28	82.4	146.4	295,600*
	29	81.9	146.2	293,900*
	30	81.5	146.0	292,200*
	32	80.7	145.7	289,100*
150	34	79.9	145.3	280,000*
	36	79.0	144.9	257,200
	38	78.2	144.4	234,300
	40	77.4	144.0	214,600
	42	76.5	143.5	197,400
	44	75.7	142.9	182,400
	46	74.8	142.3	169,100
	48	74.0	141.7	157,200
	50	73.1	141.1	146,600
	55	70.9	139.4	124,200
	60	68.7	137.4	106,500
	65	66.5	135.2	92,100
	70	64.2	132.8	80,100
	75	61.9	130.1	70,000
160	80	59.5	127.2	61,400
	85	57.1	124.0	53,900
	90	54.6	120.4	47,400
	95	52.0	116.5	41,700

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

90' LUFFING JIB NO. 133 OR 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
150	28	82.9	156.5	257,100*
	29	82.5	156.3	255,300*
	30	82.1	156.2	253,500*
	32	81.3	155.8	250,200*
	34	80.6	155.5	244,800*
	36	79.8	155.1	237,500*
	38	79.0	154.7	230,600*
	40	78.2	154.2	214,700
	42	77.4	153.8	197,600
	44	76.6	153.3	182,500
	46	75.8	152.7	169,200
	48	75.1	152.2	157,300
	50	74.3	151.6	146,600
	55	72.3	150.0	124,300
	60	70.2	148.2	106,500
	65	68.2	146.2	92,100
	70	66.1	143.9	80,100
	75	63.9	141.5	70,000
	80	61.8	138.8	61,300
	85	59.6	135.9	53,900
160	90	57.3	132.6	47,400
	95	55.0	129.1	41,600
	100	52.6	125.3	36,500
	29	83.0	166.4	248,100*
	30	82.6	166.3	246,600*
	32	81.9	166.0	241,100*
	34	81.1	165.7	233,600*
	36	80.4	165.3	226,400*
	38	79.7	164.9	219,600*
	40	79.0	164.5	213,100*
	42	78.2	164.0	197,600
	44	77.5	163.6	182,500
	46	76.8	163.1	169,200
	48	76.0	162.6	157,300
	50	75.3	162.0	146,600
	55	73.4	160.5	124,200
	60	71.5	158.8	106,400
	65	69.6	157.0	91,900
	70	67.7	154.9	79,900
	75	65.7	152.6	69,800
170	80	63.7	150.2	61,100
	85	61.7	147.5	53,700
	90	59.6	144.5	47,100
	95	57.5	141.3	41,400
	100	55.3	137.9	36,300
	105	53.1	134.1	31,700
	30	83.0	176.4	238,100*
	32	82.4	176.1	230,500*
	34	81.7	175.8	223,200*
	36	81.0	175.5	216,200*
180	38	80.3	175.1	204,000
	40	79.6	174.7	185,300
	42	78.9	174.3	168,900
	44	78.2	173.8	154,600

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
170	46	77.5	173.4	141,900
	48	76.9	172.9	130,600
	50	76.2	172.4	120,500
	55	74.4	171.0	99,200
	60	72.6	169.4	82,300
	65	70.9	167.6	68,600
	70	69.1	165.7	57,200
	75	67.2	163.6	47,600
	80	65.4	161.3	39,400
	85	63.5	158.8	32,300
180	90	61.6	156.1	26,100
	95	59.6	153.2	20,600
	100	57.6	150.0	15,800
	105	55.6	146.6	11,400
	32	82.8	186.2	218,400*
	34	82.1	185.9	211,400*
	36	81.5	185.6	204,700*
	38	80.9	185.3	198,200*
	40	80.2	184.9	185,200
	42	79.6	184.5	168,800
180	44	78.9	184.1	154,500
	46	78.3	183.6	141,800
	48	77.6	183.2	130,400
	50	76.9	182.7	120,300
	55	75.3	181.4	99,000
	60	73.6	179.9	82,000
	65	72.0	178.3	68,200
	70	70.3	176.5	56,800
	75	68.6	174.5	47,200
	80	66.8	172.3	38,900
190	85	65.1	170.0	31,800
	90	63.3	167.5	25,600
	95	61.5	164.8	20,100
	100	59.6	161.8	15,300
	105	57.8	158.7	10,900
	34	82.6	196.0	188,100*
	36	81.9	195.7	183,500*
	38	81.3	195.4	179,100*
	40	80.7	195.1	174,600*
	42	80.1	194.7	168,600
190	44	79.5	194.3	154,200
	46	78.9	193.9	141,500
	48	78.3	193.4	130,100
	50	77.6	193.0	120,000
	55	76.1	191.7	98,600
	60	74.5	190.3	81,700
	65	72.9	188.8	67,900
	70	71.4	187.1	56,400
	75	69.7	185.3	46,800

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
190	80	68.1	183.2	38,500
	85	66.5	181.1	31,400
	90	64.8	178.7	25,200
	95	63.1	176.2	19,700
	100	61.4	173.4	14,800
	105	59.7	170.5	10,500
200	34	82.9	206.1	176,800*
	36	82.4	205.8	172,400*
	38	81.8	205.5	168,000*
	40	81.2	205.2	163,800*
	42	80.6	204.8	159,600*
	44	80.0	204.5	154,000
	46	79.4	204.1	141,200
	48	78.9	203.7	129,900
	50	78.3	203.2	119,700
	55	76.8	202.1	98,300
	60	75.3	200.7	81,300
	65	73.8	199.3	67,400
	70	72.3	197.7	56,000
	75	70.8	195.9	46,300
	80	69.3	194.0	38,000
	85	67.7	192.0	30,900
	90	66.2	189.8	24,600
	95	64.6	187.4	19,200
	100	63.0	184.8	14,300

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

100' LUFFING JIB NO. 133 OR 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
80	20	82.4	86.9	477,100*
	21	81.7	86.7	473,100*
	22	80.9	86.5	469,100*
	23	80.2	86.3	465,400*
	24	79.5	86.1	448,300*
	25	78.7	85.9	429,700*
	26	78.0	85.6	412,500*
	27	77.3	85.4	396,500*
	28	76.5	85.1	381,500*
	29	75.8	84.8	367,500*
	30	75.0	84.5	351,800
	32	73.5	83.9	312,500
	34	72.0	83.2	280,200
	36	70.5	82.4	253,100
	38	68.9	81.6	230,100
	40	67.3	80.7	210,300
	42	65.8	79.8	193,000
	44	64.2	78.7	177,900
	46	62.5	77.6	164,500
	48	60.9	76.5	152,600
90	50	59.2	75.2	141,900
	55	54.8	71.7	119,500
	60	50.2	67.6	101,600
	65	45.1	62.7	87,100
	21	82.6	96.9	456,500*
	22	81.9	96.7	452,400*
	23	81.3	96.5	448,600*
	24	80.6	96.3	444,900*
	25	80.0	96.1	430,100*
	26	79.3	95.9	412,900*
	27	78.7	95.7	396,900*
	28	78.0	95.4	382,000*
	29	77.4	95.2	368,000*
	30	76.7	94.9	353,700
	32	75.4	94.4	314,400
	34	74.1	93.7	282,000
	36	72.7	93.1	254,800
	38	71.4	92.4	231,800
	40	70.0	91.6	211,900
	42	68.6	90.8	194,700
	44	67.2	89.9	179,500
	46	65.8	88.9	166,100
	48	64.4	87.9	154,200
	50	63.0	86.8	143,500
	55	59.3	83.9	121,000
	60	55.4	80.4	103,100
	65	51.3	76.5	88,600
	70	47.0	71.8	76,500
	75	42.3	66.5	66,400

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
100	22	82.8	106.8	434,600*
	23	82.2	106.7	430,700*
	24	81.6	106.5	427,100*
	25	81.0	106.3	423,500*
	26	80.4	106.1	412,900*
	27	79.8	105.9	396,900*
	28	79.3	105.7	382,000*
	29	78.7	105.5	368,000*
	30	78.1	105.2	354,900*
	32	76.9	104.7	315,800
	34	75.7	104.2	283,300
	36	74.5	103.6	256,100
	38	73.3	103.0	233,000
	40	72.1	102.3	213,100
	42	70.9	101.5	195,800
	44	69.7	100.8	180,600
	46	68.4	99.9	167,100
	48	67.2	99.0	155,200
	50	65.9	98.1	144,400
	55	62.7	95.5	121,900
110	60	59.3	92.5	104,000
	65	55.9	89.2	89,400
	70	52.3	85.3	77,300
	75	48.5	80.9	67,100
	80	44.4	75.9	58,400
	23	82.9	116.8	336,800*
	24	82.4	116.6	334,000*
	25	81.8	116.5	331,200*
	26	81.3	116.3	328,600*
	27	80.8	116.1	326,000*
	28	80.3	115.9	323,500*
	29	79.7	115.7	321,100*
	30	79.2	115.5	318,800*
	32	78.1	115.0	314,400*
	34	77.0	114.6	284,400
	36	76.0	114.0	257,100
	38	74.9	113.4	233,900
	40	73.8	112.8	214,000
	42	72.7	112.2	196,700
	44	71.6	111.5	181,500
	46	70.5	110.7	168,000
	48	69.4	109.9	156,100
	50	68.2	109.1	145,300
	55	65.4	106.8	122,700
	60	62.4	104.2	104,800
	65	59.4	101.2	90,200
	70	56.3	97.9	78,100
	75	53.0	94.1	67,900
	80	49.6	89.9	59,200
	85	46.0	85.1	51,600
	90	42.2	79.7	45,000

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
120	24	83.0	126.8	315,300*
	25	82.5	126.6	312,900*
	26	82.0	126.4	310,600*
	27	81.6	126.3	308,400*
	28	81.1	126.1	306,200*
	29	80.6	125.9	304,200*
	30	80.1	125.7	302,100*
	32	79.1	125.3	298,300*
	34	78.1	124.8	285,100
	36	77.2	124.4	257,800
	38	76.2	123.8	234,600
	40	75.2	123.3	214,700
	42	74.2	122.7	197,300
	44	73.2	122.0	182,100
	46	72.2	121.4	168,600
	48	71.2	120.6	156,600
	50	70.1	119.9	145,800
	55	67.6	117.8	123,200
	60	64.9	115.5	105,200
	65	62.2	112.8	90,600
130	70	59.5	109.9	78,500
	75	56.6	106.6	68,200
	80	53.6	102.9	59,500
	85	50.6	98.8	51,900
	90	47.3	94.2	45,300
	95	43.9	89.1	39,500
	26	82.7	136.6	312,600*
	27	82.2	136.4	310,500*
	28	81.8	136.2	308,400*
	29	81.3	136.1	306,400*
	30	80.9	135.9	304,400*
	32	80.0	135.5	300,700*
	34	79.1	135.1	286,000
	36	78.2	134.6	258,700
	38	77.3	134.2	235,400
	40	76.4	133.6	215,500
	42	75.4	133.1	198,100
	44	74.5	132.5	182,900
	46	73.6	131.9	169,400
	48	72.7	131.2	157,400
	50	71.7	130.5	146,600
	55	69.4	128.7	124,000
	60	67.0	126.5	106,000
	65	64.5	124.1	91,400
	70	62.1	121.5	79,300
	75	59.5	118.5	69,100
	80	56.9	115.3	60,300
	85	54.2	111.7	52,700
	90	51.3	107.7	46,100
	95	48.4	103.3	40,300
	100	45.3	98.4	35,200
	105	42.0	92.9	30,600

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

100' LUFFING JIB NO. 133 OR 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
140	27	82.8	146.5	303,300*
	28	82.4	146.4	301,400*
	29	81.9	146.2	299,500*
	30	81.5	146.0	297,700*
	32	80.7	145.7	294,300*
	34	79.9	145.3	286,500
	36	79.0	144.9	259,200
	38	78.2	144.4	235,900
	40	77.4	144.0	215,900
	42	76.5	143.5	198,500
	44	75.7	142.9	183,200
	46	74.8	142.3	169,700
	48	74.0	141.7	157,700
	50	73.1	141.1	146,900
	55	70.9	139.4	124,200
	60	68.7	137.4	106,200
	65	66.5	135.2	91,600
	70	64.2	132.8	79,400
150	75	61.9	130.1	69,100
	80	59.5	127.2	60,400
	85	57.1	124.0	52,800
	90	54.6	120.4	46,200
	95	52.0	116.5	40,400
	100	49.3	112.2	35,200
	105	46.5	107.5	30,600
	110	43.5	102.3	26,400
	28	82.9	156.5	263,900*
	29	82.5	156.3	262,000*
	30	82.1	156.2	260,100*
	32	81.3	155.8	256,400*
	34	80.6	155.5	250,600*
	36	79.8	155.1	243,000*
	38	79.0	154.7	235,700*
	40	78.2	154.2	216,200
	42	77.4	153.8	198,700
	44	76.6	153.3	183,400
	46	75.8	152.7	169,900
	48	75.1	152.2	157,900
	50	74.3	151.6	147,100
	55	72.3	150.0	124,400
	60	70.2	148.2	106,300
	65	68.2	146.2	91,700
	70	66.1	143.9	79,500
	75	63.9	141.5	69,200
	80	61.8	138.8	60,500
	85	59.6	135.9	52,900
	90	57.3	132.6	46,300
	95	55.0	129.1	40,400
	100	52.6	125.3	35,200
	105	50.1	121.2	30,600
	110	47.5	116.6	26,500
	115	44.8	111.6	22,700
	120	42.0	106.1	19,300

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
160	29	83.0	166.4	254,900*
	30	82.6	166.3	253,200*
	32	81.9	166.0	248,200*
	34	81.1	165.7	240,200*
	36	80.4	165.3	228,400
	38	79.7	164.9	206,200
	40	79.0	164.5	187,000
	42	78.2	164.0	170,400
	44	77.5	163.6	155,800
	46	76.8	163.1	142,800
	48	76.0	162.6	131,300
	50	75.3	162.0	121,000
	55	73.4	160.5	99,300
	60	71.5	158.8	82,100
	65	69.6	157.0	68,000
	70	67.7	154.9	56,400
	75	65.7	152.6	46,600
	80	63.7	150.2	38,200
170	85	61.7	147.5	30,900
	90	59.6	144.5	24,600
	95	57.5	141.3	19,000
	100	55.3	137.9	14,000
	30	83.0	176.4	246,300*
	32	82.4	176.1	238,400*
	34	81.7	175.8	230,700*
	36	81.0	175.5	223,200*
	38	80.3	175.1	206,400
	40	79.6	174.7	187,300
	42	78.9	174.3	170,600
	44	78.2	173.8	156,000
	46	77.5	173.4	143,100
	48	76.9	172.9	131,600
	50	76.2	172.4	121,200
	55	74.4	171.0	99,500
	60	72.6	169.4	82,300
	65	70.9	167.6	68,300
	70	69.1	165.7	56,700
	75	67.2	163.6	46,800
	80	65.4	161.3	38,500
	85	63.5	158.8	31,200
	90	61.6	156.1	24,900
	95	59.6	153.2	19,300
	100	57.6	150.0	14,300
180	32	82.8	186.2	227,000*
	34	82.1	185.9	219,500*
	36	81.5	185.6	212,300*
	38	80.9	185.3	205,500*
	40	80.2	184.9	187,300
	42	79.6	184.5	170,600
	44	78.9	184.1	156,000
	46	78.3	183.6	143,000
	48	77.6	183.2	131,500
	50	76.9	182.7	121,100
	55	75.3	181.4	99,400

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
180	60	73.6	179.9	82,100
	65	72.0	178.3	68,100
	70	70.3	176.5	56,400
	75	68.6	174.5	46,600
	80	66.8	172.3	38,100
	85	65.1	170.0	30,900
	90	63.3	167.5	24,500
	95	61.5	164.8	18,900
	100	59.6	161.8	14,000
	34	82.6	196.0	195,300*
190	36	81.9	195.7	190,300*
	38	81.3	195.4	185,500*
	40	80.7	195.1	180,800*
	42	80.1	194.7	170,500
	44	79.5	194.3	155,800
	46	78.9	193.9	142,800
	48	78.3	193.4	131,300
	50	77.6	193.0	120,900
	55	76.1	191.7	99,200
	60	74.5	190.3	81,900
	65	72.9	188.8	67,800
	70	71.4	187.1	56,100
	75	69.7	185.3	46,300
	80	68.1	183.2	37,800
	85	66.5	181.1	30,600
	90	64.8	178.7	24,200
	95	63.1	176.2	18,600
	100	61.4	173.4	13,600
200	34	82.9	206.1	180,000*
	36	82.4	205.8	179,800*
	38	81.8	205.5	175,100*
	40	81.2	205.2	170,500*
	42	80.6	204.8	166,000*
	44	80.0	204.5	155,700
	46	79.4	204.1	142,700
	48	78.9	203.7	131,100
	50	78.3	203.2	120,700
	55	76.8	202.1	98,900
	60	75.3	200.7	81,500
	65	73.8	199.3	67,400
	70	72.3	197.7	55,700
	75	70.8	195.9	45,900
	80	69.3	194.0	37,400
	85	67.7	192.0	30,100
	90	66.2	189.8	23,800
	95	64.6	187.4	18,100
	100	63.0	184.8	13,200

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

110' LUFFING JIB NO. 133 OR 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
80	20	82.4	86.9	470,300*
	21	81.7	86.7	466,100*
	22	80.9	86.5	462,100*
	23	80.2	86.3	458,200*
	24	79.5	86.1	444,500*
	25	78.7	85.9	426,000*
	26	78.0	85.6	408,800*
	27	77.3	85.4	392,800*
	28	76.5	85.1	377,900*
	29	75.8	84.8	363,900*
	30	75.0	84.5	346,200
	32	73.5	83.9	307,200
	34	72.0	83.2	275,200
	36	70.5	82.4	248,300
	38	68.9	81.6	225,400
	40	67.3	80.7	205,800
	42	65.8	79.8	188,700
	44	64.2	78.7	173,700
	46	62.5	77.6	160,400
	48	60.9	76.5	148,600
90	50	59.2	75.2	138,000
	55	54.8	71.7	115,700
	60	50.2	67.6	98,000
	65	45.1	62.7	83,700
	21	82.6	96.9	450,100*
	22	81.9	96.7	446,000*
	23	81.3	96.5	442,100*
	24	80.6	96.3	438,300*
	25	80.0	96.1	426,500*
	26	79.3	95.9	409,300*
	27	78.7	95.7	393,400*
	28	78.0	95.4	378,500*
	29	77.4	95.2	364,500*
	30	76.7	94.9	348,400
	32	75.4	94.4	309,300
	34	74.1	93.7	277,100
	36	72.7	93.1	250,200
	38	71.4	92.4	227,300
	40	70.0	91.6	207,600
	42	68.6	90.8	190,500
	44	67.2	89.9	175,500
	46	65.8	88.9	162,200
	48	64.4	87.9	150,300
	50	63.0	86.8	139,700
	55	59.3	83.9	117,400
	60	55.4	80.4	99,700
	65	51.3	76.5	85,300
	70	47.0	71.8	73,300
	75	42.3	66.5	63,300

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
100	22	82.8	106.8	428,600*
	23	82.2	106.7	424,800*
	24	81.6	106.5	421,100*
	25	81.0	106.3	417,400*
	26	80.4	106.1	409,400*
	27	79.8	105.9	393,500*
	28	79.3	105.7	378,600*
	29	78.7	105.5	364,700*
	30	78.1	105.2	350,000
	32	76.9	104.7	310,900
	34	75.7	104.2	278,600
	36	74.5	103.6	251,600
	38	73.3	103.0	228,700
	40	72.1	102.3	208,900
	42	70.9	101.5	191,800
	44	69.7	100.8	176,700
	46	68.4	99.9	163,400
	48	67.2	99.0	151,500
	50	65.9	98.1	140,800
	55	62.7	95.5	118,500
110	60	59.3	92.5	100,700
	65	55.9	89.2	86,300
	70	52.3	85.3	74,300
	75	48.5	80.9	64,200
	80	44.4	75.9	55,500
	23	82.9	116.8	332,900*
	24	82.4	116.6	330,100*
	25	81.8	116.5	327,300*
	26	81.3	116.3	324,700*
	27	80.8	116.1	322,100*
	28	80.3	115.9	319,600*
	29	79.7	115.7	317,200*
	30	79.2	115.5	314,800*
	32	78.1	115.0	310,300*
	34	77.0	114.6	279,800
	36	76.0	114.0	252,800
	38	74.9	113.4	229,800
	40	73.8	112.8	210,000
	42	72.7	112.2	192,800
	44	71.6	111.5	177,700
	46	70.5	110.7	164,400
	48	69.4	109.9	152,500
	50	68.2	109.1	141,800
	55	65.4	106.8	119,400
	60	62.4	104.2	101,600
	65	59.4	101.2	87,200
	70	56.3	97.9	75,200
	75	53.0	94.1	65,000
	80	49.6	89.9	56,400
	85	46.0	85.1	48,900
	90	42.2	79.7	42,400

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
120	24	83.0	126.8	311,600*
	25	82.5	126.6	309,300*
	26	82.0	126.4	306,900*
	27	81.6	126.3	304,700*
	28	81.1	126.1	302,600*
	29	80.6	125.9	300,500*
	30	80.1	125.7	298,400*
	32	79.1	125.3	294,500*
	34	78.1	124.8	280,700
	36	77.2	124.4	253,600
	38	76.2	123.8	230,600
	40	75.2	123.3	210,800
	42	74.2	122.7	193,500
	44	73.2	122.0	178,400
	46	72.2	121.4	165,000
	48	71.2	120.6	153,100
	50	70.1	119.9	142,400
	55	67.6	117.8	120,000
	60	64.9	115.5	102,200
	65	62.2	112.8	87,700
130	70	59.5	109.9	75,600
	75	56.6	106.6	65,500
	80	53.6	102.9	56,800
	85	50.6	98.8	49,300
	90	47.3	94.2	42,800
	95	43.9	89.1	37,000
	26	82.7	136.6	309,000*
	27	82.2	136.4	306,800*
	28	81.8	136.2	304,700*
	29	81.3	136.1	302,700*
	30	80.9	135.9	300,700*
	32	80.0	135.5	297,000*
	34	79.1	135.1	281,700
	36	78.2	134.6	254,600
	38	77.3	134.2	231,500
	40	76.4	133.6	211,700
	42	75.4	133.1	194,400
	44	74.5	132.5	179,300
	46	73.6	131.9	165,900
	48	72.7	131.2	154,000
	50	71.7	130.5	143,300
	55	69.4	128.7	120,900
	60	67.0	126.5	103,100
	65	64.5	124.1	88,500
	70	62.1	121.5	76,500
	75	59.5	118.5	66,400
	80	56.9	115.3	57,700
	85	54.2	111.7	50,200
	90	51.3	107.7	43,600
	95	48.4	103.3	37,900
	100	45.3	98.4	32,800
	105	42.0	92.9	28,200

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

110' LUFFING JIB NO. 133 OR 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
140	27	82.8	146.5	299,700*
	28	82.4	146.4	297,800*
	29	81.9	146.2	296,000*
	30	81.5	146.0	294,200*
	32	80.7	145.7	290,700*
	34	79.9	145.3	282,300
	36	79.0	144.9	255,100
	38	78.2	144.4	232,000
	40	77.4	144.0	212,200
	42	76.5	143.5	194,900
	44	75.7	142.9	179,700
	46	74.8	142.3	166,300
	48	74.0	141.7	154,400
	50	73.1	141.1	143,700
	55	70.9	139.4	121,200
	60	68.7	137.4	103,300
	65	66.5	135.2	88,800
	70	64.2	132.8	76,700
150	75	61.9	130.1	66,500
	80	59.5	127.2	57,800
	85	57.1	124.0	50,300
	90	54.6	120.4	43,800
	95	52.0	116.5	38,000
	100	49.3	112.2	32,800
	105	46.5	107.5	28,300
	110	43.5	102.3	24,100
	28	82.9	156.5	260,400*
	29	82.5	156.3	258,500*
	30	82.1	156.2	256,600*
	32	81.3	155.8	252,900*
	34	80.6	155.5	246,700*
	36	79.8	155.1	223,100
	38	79.0	154.7	201,100
	40	78.2	154.2	182,200
	42	77.4	153.8	165,700
	44	76.6	153.3	151,300
	46	75.8	152.7	138,500
	48	75.1	152.2	127,100
	50	74.3	151.6	116,900
	55	72.3	150.0	95,500
	60	70.2	148.2	78,400
	65	68.2	146.2	64,600
	70	66.1	143.9	53,100
	75	63.9	141.5	43,400
	80	61.8	138.8	35,100
	85	59.6	135.9	27,900
	90	57.3	132.6	21,700
	95	55.0	129.1	16,100
	100	52.6	125.3	11,300

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
160	29	83.0	166.4	251,400*
	30	82.6	166.3	249,800*
	32	81.9	166.0	244,100*
	34	81.1	165.7	236,200*
	36	80.4	165.3	223,400
	38	79.7	164.9	201,400
	40	79.0	164.5	182,400
	42	78.2	164.0	165,900
	44	77.5	163.6	151,400
	46	76.8	163.1	138,600
	48	76.0	162.6	127,200
	50	75.3	162.0	117,000
	55	73.4	160.5	95,500
	60	71.5	158.8	78,400
	65	69.6	157.0	64,500
	70	67.7	154.9	53,000
	75	65.7	152.6	43,300
	80	63.7	150.2	35,000
170	85	61.7	147.5	27,800
	90	59.6	144.5	21,500
	95	57.5	141.3	16,000
	100	55.3	137.9	11,100
	30	83.0	176.4	242,300*
	32	82.4	176.1	234,300*
	34	81.7	175.8	226,600*
	36	81.0	175.5	219,200*
	38	80.3	175.1	201,700
	40	79.6	174.7	182,700
	42	78.9	174.3	166,200
	44	78.2	173.8	151,700
	46	77.5	173.4	138,900
	48	76.9	172.9	127,500
	50	76.2	172.4	117,300
	55	74.4	171.0	95,800
	60	72.6	169.4	78,700
	65	70.9	167.6	64,900
	70	69.1	165.7	53,300
180	75	67.2	163.6	43,600
	80	65.4	161.3	35,300
	85	63.5	158.8	28,100
	90	61.6	156.1	21,900
	95	59.6	153.2	16,300
	100	57.6	150.0	11,400
	32	82.8	186.2	222,800*
	34	82.1	185.9	215,400*
	36	81.5	185.6	208,300*
	38	80.9	185.3	201,500*
	40	80.2	184.9	182,900
	42	79.6	184.5	166,300
	44	78.9	184.1	151,800
	46	78.3	183.6	139,000
	48	77.6	183.2	127,500
	50	76.9	182.7	117,300
	55	75.3	181.4	95,700

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
180	60	73.6	179.9	78,600
	65	72.0	178.3	64,700
	70	70.3	176.5	53,100
	75	68.6	174.5	43,400
	80	66.8	172.3	35,100
	85	65.1	170.0	27,900
	90	63.3	167.5	21,600
	95	61.5	164.8	16,100
	100	59.6	161.8	11,100
190	34	82.6	196.0	191,600*
	36	81.9	195.7	186,700*
	38	81.3	195.4	181,900*
	40	80.7	195.1	177,200*
	42	80.1	194.7	166,200
	44	79.5	194.3	151,700
	46	78.9	193.9	138,800
	48	78.3	193.4	127,400
	50	77.6	193.0	117,100
	55	76.1	191.7	95,500
	60	74.5	190.3	78,400
	65	72.9	188.8	64,500
	70	71.4	187.1	52,900
	75	69.7	185.3	43,100
	80	68.1	183.2	34,800
	85	66.5	181.1	27,600
	90	64.8	178.7	21,300
	95	63.1	176.2	15,800
200	100	61.4	173.4	10,800
	34	82.9	206.1	180,000*
	36	82.4	205.8	176,100*
	38	81.8	205.5	171,400*
	40	81.2	205.2	166,900*
	42	80.6	204.8	162,500*
	44	80.0	204.5	151,600
	46	79.4	204.1	138,700
	48	78.9	203.7	127,200
	50	78.3	203.2	116,900
	55	76.8	202.1	95,300
	60	75.3	200.7	78,100
	65	73.8	199.3	64,200
	70	72.3	197.7	52,600
	75	70.8	195.9	42,800
	80	69.3	194.0	34,400
	85	67.7	192.0	27,200
	90	66.2	189.8	20,900
	95	64.6	187.4	15,300
	100	63.0	184.8	10,400

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

120' LUFFING JIB NO. 133 OR 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
80	20	82.4	86.9	475,200*
	21	81.7	86.7	471,600*
	22	80.9	86.5	468,100*
	23	80.2	86.3	464,200*
	24	79.5	86.1	447,500*
	25	78.7	85.9	428,700*
	26	78.0	85.6	411,300*
	27	77.3	85.4	395,100*
	28	76.5	85.1	380,000*
	29	75.8	84.8	365,800*
	30	75.0	84.5	349,900
	32	73.5	83.9	310,200
	34	72.0	83.2	277,500
	36	70.5	82.4	250,000
	38	68.9	81.6	226,700
	40	67.3	80.7	206,700
	42	65.8	79.8	189,300
	44	64.2	78.7	174,000
	46	62.5	77.6	160,400
	48	60.9	76.5	148,300
90	50	59.2	75.2	137,500
	55	54.8	71.7	114,800
	60	50.2	67.6	96,700
	65	45.1	62.7	82,000
	70	39.6	56.8	69,700
	75	33.3	49.4	52,000*
	21	82.6	96.9	463,000*
	22	81.9	96.7	458,800*
	23	81.3	96.5	454,600*
	24	80.6	96.3	448,100*
	25	80.0	96.1	429,400*
	26	79.3	95.9	412,100*
	27	78.7	95.7	395,900*
	28	78.0	95.4	380,800*
	29	77.4	95.2	366,600*
	30	76.7	94.9	352,400
	32	75.4	94.4	312,600
	34	74.1	93.7	279,800
	36	72.7	93.1	252,400
	38	71.4	92.4	229,000
	40	70.0	91.6	209,000
100	42	68.6	90.8	191,500
	44	67.2	89.9	176,200
	46	65.8	88.9	162,600
	48	64.4	87.9	150,500
	50	63.0	86.8	139,700
	55	59.3	83.9	116,900
	60	55.4	80.4	98,800
	65	51.3	76.5	84,100
	70	47.0	71.8	71,800
	75	42.3	66.5	61,500
110	80	37.1	60.0	52,600

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
100	22	82.8	106.8	441,100*
	23	82.2	106.7	437,100*
	24	81.6	106.5	433,100*
	25	81.0	106.3	429,200*
	26	80.4	106.1	412,300*
	27	79.8	105.9	396,100*
	28	79.3	105.7	381,000*
	29	78.7	105.5	366,900*
	30	78.1	105.2	353,700*
	32	76.9	104.7	314,400
	34	75.7	104.2	281,600
	36	74.5	103.6	254,100
	38	73.3	103.0	230,700
	40	72.1	102.3	210,600
	42	70.9	101.5	193,100
	44	69.7	100.8	177,700
	46	68.4	99.9	164,100
	48	67.2	99.0	152,000
	50	65.9	98.1	141,100
	55	62.7	95.5	118,300
110	60	59.3	92.5	100,200
	65	55.9	89.2	85,400
	70	52.3	85.3	73,200
	75	48.5	80.9	62,800
	80	44.4	75.9	54,000
	85	40.0	70.0	46,300
	90	35.1	63.1	39,100*
	23	82.9	116.8	340,200*
	24	82.4	116.6	337,200*
	25	81.8	116.5	334,200*
	26	81.3	116.3	331,400*
	27	80.8	116.1	328,700*
	28	80.3	115.9	326,000*
	29	79.7	115.7	323,400*
	30	79.2	115.5	320,900*
	32	78.1	115.0	315,900
	34	77.0	114.6	283,000
	36	76.0	114.0	255,500
	38	74.9	113.4	232,000
	40	73.8	112.8	211,900
	42	72.7	112.2	194,400
	44	71.6	111.5	179,000
120	46	70.5	110.7	165,400
	48	69.4	109.9	153,200
	50	68.2	109.1	142,400
	55	65.4	106.8	119,500
	60	62.4	104.2	101,400
	65	59.4	101.2	86,600
	70	56.3	97.9	74,300
	75	53.0	94.1	64,000
	80	49.6	89.9	55,100
	85	46.0	85.1	47,500
130	90	42.2	79.7	40,800
	95	38.0	73.4	34,900
	100	33.3	66.0	27,700*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
120	24	83.0	126.8	328,700*
	25	82.5	126.6	326,200*
	26	82.0	126.4	323,800*
	27	81.6	126.3	321,500*
	28	81.1	126.1	319,300*
	29	80.6	125.9	317,100*
	30	80.1	125.7	315,000*
	32	79.1	125.3	311,000*
	34	78.1	124.8	284,100
	36	77.2	124.4	256,500
	38	76.2	123.8	233,000
	40	75.2	123.3	212,800
	42	74.2	122.7	195,300
	44	73.2	122.0	179,900
	46	72.2	121.4	166,200
	48	71.2	120.6	154,100
	50	70.1	119.9	143,200
	55	67.6	117.8	120,300
	60	64.9	115.5	102,100
	65	62.2	112.8	87,300
130	70	59.5	109.9	75,000
	75	56.6	106.6	64,700
	80	53.6	102.9	55,800
	85	50.6	98.8	48,100
	90	47.3	94.2	41,400
	95	43.9	89.1	35,500
	100	40.2	83.3	30,300
	105	36.2	76.6	25,200*
	26	82.7	136.6	315,900*
	27	82.2	136.4	313,600*
	28	81.8	136.2	311,300*
	29	81.3	136.1	309,100*
	30	80.9	135.9	307,000*
	32	80.0	135.5	302,900*
	34	79.1	135.1	285,200
	36	78.2	134.6	257,600
	38	77.3	134.2	234,100
	40	76.4	133.6	213,900
	42	75.4	133.1	196,300
	44	74.5	132.5	180,900
	46	73.6	131.9	167,300
	48	72.7	131.2	155,100
140	50	71.7	130.5	144,300
	55	69.4	128.7	121,400
	60	67.0	126.5	103,200
	65	64.5	124.1	88,400
	70	62.1	121.5	76,100
	75	59.5	118.5	65,700
	80	56.9	115.3	56,900
	85	54.2	111.7	49,200
	90	51.3	107.7	42,500
	95	48.4	103.3	36,600
150	100	45.3	98.4	31,400
	105	42.0	92.9	26,700
	110	38.5	86.7	22,500
	115	34.7	79.7	17,000*

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

120' LUFFING JIB NO. 133 OR 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
140	27	82.8	146.5	306,600*
	28	82.4	146.4	304,500*
	29	81.9	146.2	302,500*
	30	81.5	146.0	300,600*
	32	80.7	145.7	284,800
	34	79.9	145.3	253,200
	36	79.0	144.9	226,700
	38	78.2	144.4	204,200
	40	77.4	144.0	184,800
	42	76.5	143.5	167,900
	44	75.7	142.9	153,200
	46	74.8	142.3	140,100
	48	74.0	141.7	128,400
	50	73.1	141.1	118,000
	55	70.9	139.4	96,000
	60	68.7	137.4	78,500
150	65	66.5	135.2	64,300
	70	64.2	132.8	52,500
	75	61.9	130.1	42,600
	80	59.5	127.2	34,100
	85	57.1	124.0	26,700
	90	54.6	120.4	20,300
	95	52.0	116.5	14,600
	28	82.9	156.5	268,000*
	29	82.5	156.3	265,900*
	30	82.1	156.2	263,800*
	32	81.3	155.8	259,800*
	34	80.6	155.5	253,800
	36	79.8	155.1	227,200
	38	79.0	154.7	204,700
	40	78.2	154.2	185,300
	42	77.4	153.8	168,400
	44	76.6	153.3	153,600
	46	75.8	152.7	140,500
	48	75.1	152.2	128,800
	50	74.3	151.6	118,400
	55	72.3	150.0	96,400
	60	70.2	148.2	78,900
	65	68.2	146.2	64,700
	70	66.1	143.9	52,900
	75	63.9	141.5	42,900
	80	61.8	138.8	34,400
	85	59.6	135.9	27,000
	90	57.3	132.6	20,600
	95	55.0	129.1	14,900
160	29	83.0	166.4	258,900*
	30	82.6	166.3	257,100*
	32	81.9	166.0	252,800*
	34	81.1	165.7	244,500*
	36	80.4	165.3	227,700
	38	79.7	164.9	205,100
	40	79.0	164.5	185,700
	42	78.2	164.0	168,800
	44	77.5	163.6	153,900
	46	76.8	163.1	140,800
	48	76.0	162.6	129,100
	50	75.3	162.0	118,600

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
160	55	73.4	160.5	96,600
	60	71.5	158.8	79,100
	65	69.6	157.0	64,800
	70	67.7	154.9	53,000
	75	65.7	152.6	43,000
	80	63.7	150.2	34,400
	85	61.7	147.5	27,100
	90	59.6	144.5	20,600
170	95	57.5	141.3	14,900
	30	83.0	176.4	250,400*
	32	82.4	176.1	243,800*
	34	81.7	175.8	235,600*
	36	81.0	175.5	227,700*
	38	80.3	175.1	205,500
	40	79.6	174.7	186,100
	42	78.9	174.3	169,200
	44	78.2	173.8	154,400
	46	77.5	173.4	141,200
	48	76.9	172.9	129,500
	50	76.2	172.4	119,000
	55	74.4	171.0	97,000
	60	72.6	169.4	79,500
	65	70.9	167.6	65,300
	70	69.1	165.7	53,400
180	75	67.2	163.6	43,500
	80	65.4	161.3	34,900
	85	63.5	158.8	27,500
	90	61.6	156.1	21,100
	95	59.6	153.2	15,400
	100	57.6	150.0	10,400
	32	82.8	186.2	232,900*
	34	82.1	185.9	225,000*
	36	81.5	185.6	217,500*
	38	80.9	185.3	205,800
	40	80.2	184.9	186,300
	42	79.6	184.5	169,400
	44	78.9	184.1	154,500
	46	78.3	183.6	141,300
	48	77.6	183.2	129,600
	50	76.9	182.7	119,100
	55	75.3	181.4	97,000
	60	73.6	179.9	79,500
	65	72.0	178.3	65,200
	70	70.3	176.5	53,300
	75	68.6	174.5	43,300
	80	66.8	172.3	34,800
	85	65.1	170.0	27,400
	90	63.3	167.5	20,900
	95	61.5	164.8	15,200
	100	59.6	161.8	10,200

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
190	34	82.6	196.0	200,200*
	36	81.9	195.7	194,900*
	38	81.3	195.4	189,700*
	40	80.7	195.1	184,700*
	42	80.1	194.7	169,400
	44	79.5	194.3	154,500
	46	78.9	193.9	141,300
	48	78.3	193.4	129,600
	50	77.6	193.0	119,000
	55	76.1	191.7	96,900
	60	74.5	190.3	79,400
	65	72.9	188.8	65,100
	70	71.4	187.1	53,200
	75	69.7	185.3	43,200
	80	68.1	183.2	34,600
	85	66.5	181.1	27,200
200	90	64.8	178.7	20,800
	95	63.1	176.2	15,100
	100	61.4	173.4	10,000
	34	82.9	206.1	180,000*
	36	82.4	205.8	180,000*
	38	81.8	205.5	179,800*
	40	81.2	205.2	175,000*
	42	80.6	204.8	169,400
	44	80.0	204.5	154,500
	46	79.4	204.1	141,300
	48	78.9	203.7	129,500
	50	78.3	203.2	119,000
	55	76.8	202.1	96,800
	60	75.3	200.7	79,200
	65	73.8	199.3	64,900
	70	72.3	197.7	53,000
	75	70.8	195.9	42,900
	80	69.3	194.0	34,400
	85	67.7	192.0	26,900
	90	66.2	189.8	20,500
	95	64.6	187.4	14,700

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

130' LUFFING JIB NO. 133 OR 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
80	20	82.4	86.9	471,900*
	21	81.7	86.7	467,900*
	22	80.9	86.5	463,600*
	23	80.2	86.3	459,400*
	24	79.5	86.1	444,800*
	25	78.7	85.9	426,100*
	26	78.0	85.6	408,700*
	27	77.3	85.4	392,500*
	28	76.5	85.1	377,400*
	29	75.8	84.8	363,200*
	30	75.0	84.5	345,800
	32	73.5	83.9	306,200
	34	72.0	83.2	273,700
	36	70.5	82.4	246,400
	38	68.9	81.6	223,200
	40	67.3	80.7	203,300
	42	65.8	79.8	185,900
	44	64.2	78.7	170,700
	46	62.5	77.6	157,300
	48	60.9	76.5	145,200
90	50	59.2	75.2	134,500
	55	54.8	71.7	111,900
	60	50.2	67.6	93,900
	65	45.1	62.7	79,300
	70	39.6	56.8	67,100
	75	33.3	49.4	48,800*
	21	82.6	96.9	459,000*
	22	81.9	96.7	454,500*
	23	81.3	96.5	450,200*
	24	80.6	96.3	445,600*
	25	80.0	96.1	426,900*
	26	79.3	95.9	409,600*
	27	78.7	95.7	393,400*
	28	78.0	95.4	378,300*
	29	77.4	95.2	364,200*
	30	76.7	94.9	348,500
	32	75.4	94.4	308,900
	34	74.1	93.7	276,300
	36	72.7	93.1	248,900
	38	71.4	92.4	225,700
	40	70.0	91.6	205,700
	42	68.6	90.8	188,400
	44	67.2	89.9	173,100
	46	65.8	88.9	159,600
	48	64.4	87.9	147,600
	50	63.0	86.8	136,800
	55	59.3	83.9	114,200
	60	55.4	80.4	96,200
	65	51.3	76.5	81,500
	70	47.0	71.8	69,400
	75	42.3	66.5	59,100
	80	37.1	60.0	50,300

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
100	22	82.8	106.8	437,400*
	23	82.2	106.7	433,200*
	24	81.6	106.5	429,100*
	25	81.0	106.3	425,100*
	26	80.4	106.1	409,900*
	27	79.8	105.9	393,700*
	28	79.3	105.7	378,700*
	29	78.7	105.5	364,600*
	30	78.1	105.2	350,600
	32	76.9	104.7	310,900
	34	75.7	104.2	278,200
	36	74.5	103.6	250,800
	38	73.3	103.0	227,500
	40	72.1	102.3	207,500
	42	70.9	101.5	190,100
	44	69.7	100.8	174,800
	46	68.4	99.9	161,300
	48	67.2	99.0	149,200
	50	65.9	98.1	138,400
	55	62.7	95.5	115,700
110	60	59.3	92.5	97,700
	65	55.9	89.2	83,000
	70	52.3	85.3	70,800
	75	48.5	80.9	60,500
	80	44.4	75.9	51,700
	85	40.0	70.0	44,100
	90	35.1	63.1	36,400*
	23	82.9	116.8	337,800*
	24	82.4	116.6	334,700*
	25	81.8	116.5	331,700*
	26	81.3	116.3	328,900*
	27	80.8	116.1	326,100*
	28	80.3	115.9	323,400*
	29	79.7	115.7	320,800*
	30	79.2	115.5	318,200*
	32	78.1	115.0	312,500
	34	77.0	114.6	279,800
	36	76.0	114.0	252,400
	38	74.9	113.4	229,000
	40	73.8	112.8	209,000
	42	72.7	112.2	191,500
	44	71.6	111.5	176,200
	46	70.5	110.7	162,700
	48	69.4	109.9	150,600
	50	68.2	109.1	139,800
	55	65.4	106.8	117,100
	60	62.4	104.2	99,000
	65	59.4	101.2	84,300
	70	56.3	97.9	72,100
	75	53.0	94.1	61,800
	80	49.6	89.9	53,000
	85	46.0	85.1	45,400
	90	42.2	79.7	38,700
	95	38.0	73.4	32,900
	100	33.3	66.0	25,200*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
120	24	83.0	126.8	326,900*
	25	82.5	126.6	324,300*
	26	82.0	126.4	322,000*
	27	81.6	126.3	319,600*
	28	81.1	126.1	317,300*
	29	80.6	125.9	315,200*
	30	80.1	125.7	313,000*
	32	79.1	125.3	309,000*
	34	78.1	124.8	281,000
	36	77.2	124.4	253,500
	38	76.2	123.8	230,100
	40	75.2	123.3	210,000
	42	74.2	122.7	192,600
	44	73.2	122.0	177,200
	46	72.2	121.4	163,700
	48	71.2	120.6	151,600
	50	70.1	119.9	140,700
	55	67.6	117.8	118,000
	60	64.9	115.5	99,900
	65	62.2	112.8	85,100
130	70	59.5	109.9	72,900
	75	56.6	106.6	62,600
	80	53.6	102.9	53,800
	85	50.6	98.8	46,200
	90	47.3	94.2	39,500
	95	43.9	89.1	33,600
	100	40.2	83.3	28,400
	105	36.2	76.6	22,800*
	26	82.7	136.6	313,600*
	27	82.2	136.4	311,200*
	28	81.8	136.2	309,000*
	29	81.3	136.1	306,800*
	30	80.9	135.9	304,600*
	32	80.0	135.5	279,800
	34	79.1	135.1	248,400
	36	78.2	134.6	222,200
	38	77.3	134.2	199,800
	40	76.4	133.6	180,600
	42	75.4	133.1	163,900
	44	74.5	132.5	149,200
	46	73.6	131.9	136,300
	48	72.7	131.2	124,700
	50	71.7	130.5	114,300
	55	69.4	128.7	92,600
	60	67.0	126.5	75,300
	65	64.5	124.1	61,200
	70	62.1	121.5	49,500
	75	59.5	118.5	39,600
	80	56.9	115.3	31,200
	85	54.2	111.7	23,900
	90	51.3	107.7	17,500
	95	48.4	103.3	11,900

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

130' LUFFING JIB NO. 133 OR 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
140	27	82.8	146.5	304,300*
	28	82.4	146.4	302,300*
	29	81.9	146.2	300,200*
	30	81.5	146.0	298,300*
	32	80.7	145.7	280,800
	34	79.9	145.3	249,400
	36	79.0	144.9	223,100
	38	78.2	144.4	200,700
	40	77.4	144.0	181,400
	42	76.5	143.5	164,700
	44	75.7	142.9	150,000
	46	74.8	142.3	137,000
	48	74.0	141.7	125,400
	50	73.1	141.1	115,000
	55	70.9	139.4	93,200
	60	68.7	137.4	75,800
	65	66.5	135.2	61,700
	70	64.2	132.8	50,000
	75	61.9	130.1	40,100
	80	59.5	127.2	31,600
150	85	57.1	124.0	24,300
	90	54.6	120.4	17,900
	95	52.0	116.5	12,300
	28	82.9	156.5	265,800*
	29	82.5	156.3	263,700*
	30	82.1	156.2	261,600*
	32	81.3	155.8	257,600*
	34	80.6	155.5	250,100
	36	79.8	155.1	223,700
	38	79.0	154.7	201,300
	40	78.2	154.2	182,000
	42	77.4	153.8	165,300
	44	76.6	153.3	150,500
	46	75.8	152.7	137,500
	48	75.1	152.2	125,900
	50	74.3	151.6	115,500
	55	72.3	150.0	93,600
	60	70.2	148.2	76,300
	65	68.2	146.2	62,100
	70	66.1	143.9	50,400
	75	63.9	141.5	40,500
160	80	61.8	138.8	32,000
	85	59.6	135.9	24,700
	90	57.3	132.6	18,300
	95	55.0	129.1	12,700
	29	83.0	166.4	256,800*
	30	82.6	166.3	254,900*
	32	81.9	166.0	250,300*
	34	81.1	165.7	242,000*
	36	80.4	165.3	224,300
	38	79.7	164.9	201,800
	40	79.0	164.5	182,500
	42	78.2	164.0	165,700
	44	77.5	163.6	150,900

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
160	46	76.8	163.1	137,900
	48	76.0	162.6	126,200
	50	75.3	162.0	115,800
	55	73.4	160.5	93,900
	60	71.5	158.8	76,500
	65	69.6	157.0	62,300
	70	67.7	154.9	50,600
	75	65.7	152.6	40,600
	80	63.7	150.2	32,200
	85	61.7	147.5	24,800
170	90	59.6	144.5	18,400
	95	57.5	141.3	12,800
	30	83.0	176.4	248,300*
	32	82.4	176.1	241,300*
	34	81.7	175.8	233,000*
	36	81.0	175.5	224,800
	38	80.3	175.1	202,300
	40	79.6	174.7	183,000
	42	78.9	174.3	166,200
	44	78.2	173.8	151,400
180	46	77.5	173.4	138,400
	48	76.9	172.9	126,700
	50	76.2	172.4	116,300
	55	74.4	171.0	94,400
	60	72.6	169.4	77,000
	65	70.9	167.6	62,800
	70	69.1	165.7	51,100
	75	67.2	163.6	41,200
	80	65.4	161.3	32,700
	85	63.5	158.8	25,400
190	90	61.6	156.1	19,000
	95	59.6	153.2	13,300
	32	82.8	186.2	230,400*
	34	82.1	185.9	222,500*
	36	81.5	185.6	215,000*
	38	80.9	185.3	202,600
	40	80.2	184.9	183,300
	42	79.6	184.5	166,400
	44	78.9	184.1	151,600
	46	78.3	183.6	138,500
200	48	77.6	183.2	126,900
	50	76.9	182.7	116,400
	55	75.3	181.4	94,500
	60	73.6	179.9	77,000
	65	72.0	178.3	62,800
	70	70.3	176.5	51,100
	75	68.6	174.5	41,100
	80	66.8	172.3	32,600
	85	65.1	170.0	25,300
	90	63.3	167.5	18,900
	95	61.5	164.8	13,200

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
190	34	82.6	196.0	197,900*
	36	81.9	195.7	192,600*
	38	81.3	195.4	187,500*
	40	80.7	195.1	182,400*
	42	80.1	194.7	166,500
	44	79.5	194.3	151,700
	46	78.9	193.9	138,600
	48	78.3	193.4	126,900
	50	77.6	193.0	116,400
	55	76.1	191.7	94,500
200	60	74.5	190.3	77,000
	65	72.9	188.8	62,800
	70	71.4	187.1	51,000
	75	69.7	185.3	41,000
	80	68.1	183.2	32,500
	85	66.5	181.1	25,200
	90	64.8	178.7	18,700
	95	63.1	176.2	13,100
	34	82.9	206.1	180,000*
	36	82.4	205.8	180,000*
210	38	81.8	205.5	177,600*
	40	81.2	205.2	172,700*
	42	80.6	204.8	166,500
	44	80.0	204.5	151,700
	46	79.4	204.1	138,600
	48	78.9	203.7	126,900
	50	78.3	203.2	116,400
	55	76.8	202.1	94,400
	60	75.3	200.7	76,900
	65	73.8	199.3	62,600
220	70	72.3	197.7	50,800
	75	70.8	195.9	40,800
	80	69.3	194.0	32,300
	85	67.7	192.0	24,900
	90	66.2	189.8	18,500
	95	64.6	187.4	12,800

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

140' LUFFING JIB NO. 133 OR 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
80	20	82.4	86.9	466,300*
	21	81.7	86.7	461,700*
	22	80.9	86.5	457,200*
	23	80.2	86.3	452,900*
	24	79.5	86.1	441,400*
	25	78.7	85.9	422,700*
	26	78.0	85.6	405,300*
	27	77.3	85.4	389,100*
	28	76.5	85.1	374,000*
	29	75.8	84.8	359,800*
	30	75.0	84.5	340,700
	32	73.5	83.9	301,300
	34	72.0	83.2	268,900
	36	70.5	82.4	241,800
	38	68.9	81.6	218,700
	40	67.3	80.7	198,900
	42	65.8	79.8	181,600
	44	64.2	78.7	166,500
	46	62.5	77.6	153,100
	48	60.9	76.5	141,100
90	50	59.2	75.2	130,400
	55	54.8	71.7	107,900
	60	50.2	67.6	90,000
	65	45.1	62.7	75,500
	70	39.6	56.8	63,400
	75	33.3	49.4	44,100*
	21	82.6	96.9	453,200*
	22	81.9	96.7	448,700*
	23	81.3	96.5	444,300*
	24	80.6	96.3	440,000*
	25	80.0	96.1	423,600*
	26	79.3	95.9	406,300*
	27	78.7	95.7	390,100*
	28	78.0	95.4	375,100*
	29	77.4	95.2	360,900*
	30	76.7	94.9	343,600
	32	75.4	94.4	304,200
	34	74.1	93.7	271,800
	36	72.7	93.1	244,600
	38	71.4	92.4	221,500
	40	70.0	91.6	201,600
100	42	68.6	90.8	184,300
	44	67.2	89.9	169,100
	46	65.8	88.9	155,700
	48	64.4	87.9	143,700
	50	63.0	86.8	133,000
	55	59.3	83.9	110,500
	60	55.4	80.4	92,600
	65	51.3	76.5	78,000
	70	47.0	71.8	65,900
	75	42.3	66.5	55,700
	80	37.1	60.0	46,500*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
100	22	82.8	106.8	432,000*
	23	82.2	106.7	427,700*
	24	81.6	106.5	423,600*
	25	81.0	106.3	419,600*
	26	80.4	106.1	406,700*
	27	79.8	105.9	390,600*
	28	79.3	105.7	375,600*
	29	78.7	105.5	361,500*
	30	78.1	105.2	346,000
	32	76.9	104.7	306,400
	34	75.7	104.2	273,900
	36	74.5	103.6	246,700
	38	73.3	103.0	223,500
	40	72.1	102.3	203,600
	42	70.9	101.5	186,200
	44	69.7	100.8	171,000
	46	68.4	99.9	157,500
	48	67.2	99.0	145,600
	50	65.9	98.1	134,800
	55	62.7	95.5	112,200
110	60	59.3	92.5	94,300
	65	55.9	89.2	79,700
	70	52.3	85.3	67,500
	75	48.5	80.9	57,300
	80	44.4	75.9	48,600
	85	40.0	70.0	41,000
	90	35.1	63.1	32,400*
	23	82.9	116.8	334,200*
	24	82.4	116.6	331,100*
	25	81.8	116.5	328,100*
	26	81.3	116.3	325,200*
	27	80.8	116.1	322,400*
	28	80.3	115.9	319,600*
	29	79.7	115.7	317,000*
	30	79.2	115.5	314,400*
	32	78.1	115.0	308,200
	34	77.0	114.6	275,700
	36	76.0	114.0	248,400
	38	74.9	113.4	225,200
	40	73.8	112.8	205,200
	42	72.7	112.2	187,800
	44	71.6	111.5	172,600
120	46	70.5	110.7	159,100
	48	69.4	109.9	147,100
	50	68.2	109.1	136,300
	55	65.4	106.8	113,700
	60	62.4	104.2	95,800
	65	59.4	101.2	81,100
	70	56.3	97.9	69,000
	75	53.0	94.1	58,700
	80	49.6	89.9	50,000
	85	46.0	85.1	42,400
130	90	42.2	79.7	35,800
	95	38.0	73.4	29,800*
	100	33.3	66.0	21,400*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
120	24	83.0	126.8	324,000*
	25	82.5	126.6	321,500*
	26	82.0	126.4	319,000*
	27	81.6	126.3	316,600*
	28	81.1	126.1	314,400*
	29	80.6	125.9	312,100*
	30	80.1	125.7	310,000*
	32	79.1	125.3	273,000
	34	78.1	124.8	241,800
	36	77.2	124.4	215,700
	38	76.2	123.8	193,500
	40	75.2	123.3	174,400
	42	74.2	122.7	157,800
	44	73.2	122.0	143,200
	46	72.2	121.4	130,300
	48	71.2	120.6	118,800
	50	70.1	119.9	108,500
	55	67.6	117.8	86,900
	60	64.9	115.5	69,700
	65	62.2	112.8	55,700
130	70	59.5	109.9	44,000
	75	56.6	106.6	34,200
	80	53.6	102.9	25,800
	85	50.6	98.8	18,600
	90	47.3	94.2	12,200
	26	82.7	136.6	310,200*
	27	82.2	136.4	307,800*
	28	81.8	136.2	305,500*
	29	81.3	136.1	303,300*
	30	80.9	135.9	301,100*
	32	80.0	135.5	274,700
	34	79.1	135.1	243,500
	36	78.2	134.6	217,400
	38	77.3	134.2	195,200
	40	76.4	133.6	176,000
	42	75.4	133.1	159,400
	44	74.5	132.5	144,800
	46	73.6	131.9	131,900
	48	72.7	131.2	120,500
	50	71.7	130.5	110,100
	55	69.4	128.7	88,500
140	60	67.0	126.5	71,300
	65	64.5	124.1	57,300
	70	62.1	121.5	45,700
	75	59.5	118.5	35,900
	80	56.9	115.3	27,500
150	85	54.2	111.7	20,200
	90	51.3	107.7	13,900

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

140' LUFFING JIB NO. 133 OR 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
140	27	82.8	146.5	301,000*
	28	82.4	146.4	298,900*
	29	81.9	146.2	296,900*
	30	81.5	146.0	294,900*
	32	80.7	145.7	275,800
	34	79.9	145.3	244,600
	36	79.0	144.9	218,400
	38	78.2	144.4	196,100
	40	77.4	144.0	177,000
	42	76.5	143.5	160,300
	44	75.7	142.9	145,700
	46	74.8	142.3	132,800
	48	74.0	141.7	121,200
	50	73.1	141.1	110,900
	55	70.9	139.4	89,200
	60	68.7	137.4	72,000
	65	66.5	135.2	57,900
	70	64.2	132.8	46,300
150	75	61.9	130.1	36,400
	80	59.5	127.2	28,000
	85	57.1	124.0	20,800
	90	54.6	120.4	14,400
	28	82.9	156.5	262,600*
	29	82.5	156.3	260,400*
	30	82.1	156.2	258,400*
	32	81.3	155.8	254,300*
	34	80.6	155.5	245,400
	36	79.8	155.1	219,200
	38	79.0	154.7	196,900
	40	78.2	154.2	177,700
	42	77.4	153.8	161,000
	44	76.6	153.3	146,400
	46	75.8	152.7	133,400
	48	75.1	152.2	121,900
	50	74.3	151.6	111,500
	55	72.3	150.0	89,800
160	60	70.2	148.2	72,500
	65	68.2	146.2	58,500
	70	66.1	143.9	46,800
	75	63.9	141.5	37,000
	80	61.8	138.8	28,600
	85	59.6	135.9	21,300
	90	57.3	132.6	14,900
	29	83.0	166.4	253,600*
	30	82.6	166.3	251,800*
	32	81.9	166.0	246,700*
	34	81.1	165.7	238,300*
	36	80.4	165.3	219,800
	38	79.7	164.9	197,500
	40	79.0	164.5	178,200
	42	78.2	164.0	161,500
	44	77.5	163.6	146,800
	46	76.8	163.1	133,900
	48	76.0	162.6	122,300

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
160	50	75.3	162.0	111,900
	55	73.4	160.5	90,200
	60	71.5	158.8	72,900
	65	69.6	157.0	58,800
	70	67.7	154.9	47,100
	75	65.7	152.6	37,200
170	80	63.7	150.2	28,800
	85	61.7	147.5	21,500
	90	59.6	144.5	15,100
	30	83.0	176.4	245,200*
	32	82.4	176.1	237,600*
	34	81.7	175.8	229,400*
	36	81.0	175.5	220,400
	38	80.3	175.1	198,100
	40	79.6	174.7	178,800
	42	78.9	174.3	162,100
	44	78.2	173.8	147,400
	46	77.5	173.4	134,500
	48	76.9	172.9	122,900
	50	76.2	172.4	112,500
	55	74.4	171.0	90,800
	60	72.6	169.4	73,500
	65	70.9	167.6	59,400
	70	69.1	165.7	47,700
180	75	67.2	163.6	37,800
	80	65.4	161.3	29,400
	85	63.5	158.8	22,100
	90	61.6	156.1	15,800
	95	59.6	153.2	10,100
	32	82.8	186.2	226,700*
	34	82.1	185.9	218,900*
	36	81.5	185.6	211,300*
	38	80.9	185.3	198,500
	40	80.2	184.9	179,200
	42	79.6	184.5	162,400
	44	78.9	184.1	147,700
	46	78.3	183.6	134,700
	48	77.6	183.2	123,100
	50	76.9	182.7	112,700
	55	75.3	181.4	90,900
	60	73.6	179.9	73,600
	65	72.0	178.3	59,400
	70	70.3	176.5	47,700
190	75	68.6	174.5	37,900
	80	66.8	172.3	29,400
	85	65.1	170.0	22,100
	90	63.3	167.5	15,700
	95	61.5	164.8	10,100

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
190	34	82.6	196.0	194,600*
	36	81.9	195.7	189,300*
	38	81.3	195.4	184,200*
	40	80.7	195.1	179,200*
	42	80.1	194.7	162,600
	44	79.5	194.3	147,800
	46	78.9	193.9	134,800
	48	78.3	193.4	123,200
	50	77.6	193.0	112,800
	55	76.1	191.7	90,900
	60	74.5	190.3	73,600
	65	72.9	188.8	59,400
	70	71.4	187.1	47,700
	75	69.7	185.3	37,800
	80	68.1	183.2	29,400
	85	66.5	181.1	22,100
	90	64.8	178.7	15,700
	95	63.1	176.2	10,000
200	34	82.9	206.1	180,000*
	36	82.4	205.8	179,300*
	38	81.8	205.5	174,300*
	40	81.2	205.2	169,400*
	42	80.6	204.8	162,700
	44	80.0	204.5	147,900
	46	79.4	204.1	134,900
	48	78.9	203.7	123,200
	50	78.3	203.2	112,800
	55	76.8	202.1	90,900
	60	75.3	200.7	73,500
	65	73.8	199.3	59,300
	70	72.3	197.7	47,600
	75	70.8	195.9	37,700
	80	69.3	194.0	29,200
	85	67.7	192.0	21,900
	90	66.2	189.8	15,500

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

150' LUFFING JIB NO. 133 OR 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
80	20	82.4	86.9	460,500*
	21	81.7	86.7	455,800*
	22	80.9	86.5	451,200*
	23	80.2	86.3	446,700*
	24	79.5	86.1	437,900*
	25	78.7	85.9	419,200*
	26	78.0	85.6	401,800*
	27	77.3	85.4	385,600*
	28	76.5	85.1	370,500*
	29	75.8	84.8	356,400*
	30	75.0	84.5	335,300
	32	73.5	83.9	296,200
	34	72.0	83.2	264,000
	36	70.5	82.4	237,000
	38	68.9	81.6	214,100
	40	67.3	80.7	194,400
	42	65.8	79.8	177,200
	44	64.2	78.7	162,100
	46	62.5	77.6	148,800
	48	60.9	76.5	137,000
90	50	59.2	75.2	126,300
	55	54.8	71.7	104,000
	60	50.2	67.6	86,200
	65	45.1	62.7	71,700
	70	39.6	56.8	59,500*
	75	33.3	49.4	39,500*
	21	82.6	96.9	447,800*
	22	81.9	96.7	443,200*
	23	81.3	96.5	438,700*
	24	80.6	96.3	434,300*
	25	80.0	96.1	420,300*
	26	79.3	95.9	403,000*
	27	78.7	95.7	386,800*
	28	78.0	95.4	371,800*
	29	77.4	95.2	357,700*
	30	76.7	94.9	338,600
	32	75.4	94.4	299,400
	34	74.1	93.7	267,100
	36	72.7	93.1	240,100
	38	71.4	92.4	217,100
	40	70.0	91.6	197,300
100	42	68.6	90.8	180,100
	44	67.2	89.9	165,100
	46	65.8	88.9	151,700
	48	64.4	87.9	139,800
	50	63.0	86.8	129,100
	55	59.3	83.9	106,800
	60	55.4	80.4	89,000
	65	51.3	76.5	74,500
	70	47.0	71.8	62,500
	75	42.3	66.5	52,300
	80	37.1	60.0	42,200*
	23	82.9	116.8	330,900*
	24	82.4	116.6	327,700*
	25	81.8	116.5	324,700*
	26	81.3	116.3	321,700*
	27	80.8	116.1	318,900*
	28	80.3	115.9	316,100*
	29	79.7	115.7	313,400*
	30	79.2	115.5	303,300
	32	78.1	115.0	265,700
	34	77.0	114.6	234,800
110	36	76.0	114.0	209,000
	38	74.9	113.4	187,000
	40	73.8	112.8	168,000
	42	72.7	112.2	151,600
	44	71.6	111.5	137,100
	46	70.5	110.7	124,300
	48	69.4	109.9	112,900
	50	68.2	109.1	102,700
	55	65.4	106.8	81,300
	60	62.4	104.2	64,200
	65	59.4	101.2	50,300
	70	56.3	97.9	38,800
	75	53.0	94.1	29,100
	80	49.6	89.9	20,800
	85	46.0	85.1	13,600

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
120	22	82.8	106.8	427,000*
	23	82.2	106.7	422,600*
	24	81.6	106.5	418,400*
	25	81.0	106.3	414,300*
	26	80.4	106.1	403,500*
	27	79.8	105.9	387,400*
	28	79.3	105.7	372,400*
	29	78.7	105.5	358,300*
	30	78.1	105.2	341,100
	32	76.9	104.7	301,800
	34	75.7	104.2	269,500
	36	74.5	103.6	242,400
	38	73.3	103.0	219,300
	40	72.1	102.3	199,500
	42	70.9	101.5	182,300
	44	69.7	100.8	167,200
	46	68.4	99.9	153,800
	48	67.2	99.0	141,900
	50	65.9	98.1	131,200
	55	62.7	95.5	108,700
130	60	59.3	92.5	90,900
	65	55.9	89.2	76,300
	70	52.3	85.3	64,300
	75	48.5	80.9	54,100
	80	44.4	75.9	45,400
	85	40.0	70.0	37,900
	90	35.1	63.1	28,500*
	23	82.9	116.8	330,900*
	24	82.4	116.6	327,700*
	25	81.8	116.5	324,700*
	26	81.3	116.3	321,700*
	27	80.8	116.1	318,900*
	28	80.3	115.9	316,100*
	29	79.7	115.7	313,400*
	30	79.2	115.5	303,300
	32	78.1	115.0	265,700
	34	77.0	114.6	234,800
	36	76.0	114.0	209,000
	38	74.9	113.4	187,000
	40	73.8	112.8	168,000
	42	72.7	112.2	151,600
140	44	71.6	111.5	137,100
	46	70.5	110.7	124,300
	48	69.4	109.9	112,900
	50	68.2	109.1	102,700
	55	65.4	106.8	81,300
	60	62.4	104.2	64,200
	65	59.4	101.2	50,300
	70	56.3	97.9	38,800
	75	53.0	94.1	29,100
	80	49.6	89.9	20,800
	85	46.0	85.1	13,600

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
150	24	83.0	126.8	321,300*
	25	82.5	126.6	318,700*
	26	82.0	126.4	316,300*
	27	81.6	126.3	313,900*
	28	81.1	126.1	311,600*
	29	80.6	125.9	309,300*
	30	80.1	125.7	305,200
	32	79.1	125.3	267,600
	34	78.1	124.8	236,600
	36	77.2	124.4	210,700
	38	76.2	123.8	188,600
	40	75.2	123.3	169,600
	42	74.2	122.7	153,100
	44	73.2	122.0	138,600
	46	72.2	121.4	125,800
	48	71.2	120.6	114,400
	50	70.1	119.9	104,200
	55	67.6	117.8	82,700
	60	64.9	115.5	65,600
	65	62.2	112.8	51,700
160	70	59.5	109.9	40,100
	75	56.6	106.6	30,400
	80	53.6	102.9	22,100
	85	50.6	98.8	14,900
	26	82.7	136.6	307,000*
	27	82.2	136.4	304,600*
	28	81.8	136.2	302,300*
	29	81.3	136.1	300,100*
	30	80.9	135.9	297,900*
	32	80.0	135.5	269,400
	34	79.1	135.1	238,400
	36	78.2	134.6	212,500
	38	77.3	134.2	190,400
	40	76.4	133.6	171,400
	42	75.4	133.1	154,900
	44	74.5	132.5	140,400
	46	73.6	131.9	127,600
	48	72.7	131.2	116,200
	50	71.7	130.5	106,000
	55	69.4	128.7	84,500
170	60	67.0	126.5	67,400
	65	64.5	124.1	53,500
	70	62.1	121.5	41,900
	75	59.5	118.5	32,200
	80	56.9	115.3	23,900
	85	54.2	111.7	16,700
	90	51.3	107.7	10,400

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

150' LUFFING JIB NO. 133 OR 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
140	27	82.8	146.5	298,000*
	28	82.4	146.4	295,800*
	29	81.9	146.2	293,800*
	30	81.5	146.0	291,800*
	32	80.7	145.7	270,700
	34	79.9	145.3	239,600
	36	79.0	144.9	213,600
	38	78.2	144.4	191,500
	40	77.4	144.0	172,500
	42	76.5	143.5	155,900
	44	75.7	142.9	141,400
	46	74.8	142.3	128,600
	48	74.0	141.7	117,100
	50	73.1	141.1	106,900
	55	70.9	139.4	85,300
	60	68.7	137.4	68,200
	65	66.5	135.2	54,200
	70	64.2	132.8	42,700
	75	61.9	130.1	32,900
	80	59.5	127.2	24,600
	85	57.1	124.0	17,400
	90	54.6	120.4	11,100
150	28	82.9	156.5	259,600*
	29	82.5	156.3	257,400*
	30	82.1	156.2	255,300*
	32	81.3	155.8	251,200*
	34	80.6	155.5	240,600
	36	79.8	155.1	214,500
	38	79.0	154.7	192,400
	40	78.2	154.2	173,300
	42	77.4	153.8	156,700
	44	76.6	153.3	142,200
	46	75.8	152.7	129,300
	48	75.1	152.2	117,900
	50	74.3	151.6	107,600
	55	72.3	150.0	86,000
	60	70.2	148.2	68,900
	65	68.2	146.2	54,900
	70	66.1	143.9	43,300
	75	63.9	141.5	33,600
	80	61.8	138.8	25,200
	85	59.6	135.9	18,000
	90	57.3	132.6	11,700
160	29	83.0	166.4	250,700*
	30	82.6	166.3	248,800*
	32	81.9	166.0	243,200*
	34	81.1	165.7	234,800*
	36	80.4	165.3	215,300
	38	79.7	164.9	193,100
	40	79.0	164.5	174,000
	42	78.2	164.0	157,400
	44	77.5	163.6	142,800
	46	76.8	163.1	129,900
	48	76.0	162.6	118,400

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
160	50	75.3	162.0	108,100
	55	73.4	160.5	86,500
	60	71.5	158.8	69,300
	65	69.6	157.0	55,300
	70	67.7	154.9	43,700
	75	65.7	152.6	33,900
170	80	63.7	150.2	25,500
	85	61.7	147.5	18,300
	90	59.6	144.5	12,000
	30	83.0	176.4	242,300*
	32	82.4	176.1	234,000*
	34	81.7	175.8	225,900*
	36	81.0	175.5	215,900
	38	80.3	175.1	193,700
	40	79.6	174.7	174,600
	42	78.9	174.3	158,000
180	44	78.2	173.8	143,500
	46	77.5	173.4	130,600
	48	76.9	172.9	119,100
	50	76.2	172.4	108,800
	55	74.4	171.0	87,200
	60	72.6	169.4	70,000
	65	70.9	167.6	56,000
	70	69.1	165.7	44,400
	75	67.2	163.6	34,600
	80	65.4	161.3	26,200
190	85	63.5	158.8	19,000
	90	61.6	156.1	12,700
	32	82.8	186.2	223,200*
	34	82.1	185.9	215,300*
	36	81.5	185.6	207,800*
	38	80.9	185.3	194,200
	40	80.2	184.9	175,100
	42	79.6	184.5	158,400
	44	78.9	184.1	143,800
	46	78.3	183.6	130,900
200	48	77.6	183.2	119,400
	50	76.9	182.7	109,100
	55	75.3	181.4	87,400
	60	73.6	179.9	70,200
	65	72.0	178.3	56,100
	70	70.3	176.5	44,500
	75	68.6	174.5	34,700
	80	66.8	172.3	26,300
	85	65.1	170.0	19,100
	90	63.3	167.5	12,700

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
190	34	82.6	196.0	191,500*
	36	81.9	195.7	186,200*
	38	81.3	195.4	181,000*
	40	80.7	195.1	175,300
	42	80.1	194.7	158,700
	44	79.5	194.3	144,000
	46	78.9	193.9	131,100
	48	78.3	193.4	119,500
	50	77.6	193.0	109,200
	55	76.1	191.7	87,500
200	60	74.5	190.3	70,200
	65	72.9	188.8	56,200
	70	71.4	187.1	44,600
	75	69.7	185.3	34,700
	80	68.1	183.2	26,300
	85	66.5	181.1	19,100
	90	64.8	178.7	12,700
	34	82.9	206.1	180,000*
	36	82.4	205.8	176,200*
	38	81.8	205.5	171,200*
210	40	81.2	205.2	166,300*
	42	80.6	204.8	158,800
	44	80.0	204.5	144,200
	46	79.4	204.1	131,200
	48	78.9	203.7	119,700
	50	78.3	203.2	109,300
	55	76.8	202.1	87,500
	60	75.3	200.7	70,200
	65	73.8	199.3	56,200
	70	72.3	197.7	44,500
220	75	70.8	195.9	34,600
	80	69.3	194.0	26,200
	85	67.7	192.0	19,000
	90	66.2	189.8	12,600

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

160' LUFFING JIB NO. 133 OR 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
80	20	82.4	86.9	453,900*
	21	81.7	86.7	449,100*
	22	80.9	86.5	444,400*
	23	80.2	86.3	439,700*
	24	79.5	86.1	434,200*
	25	78.7	85.9	415,500*
	26	78.0	85.6	398,100*
	27	77.3	85.4	382,000*
	28	76.5	85.1	366,900*
	29	75.8	84.8	352,500
	30	75.0	84.5	329,800
	32	73.5	83.9	290,900
	34	72.0	83.2	258,900
	36	70.5	82.4	232,000
	38	68.9	81.6	209,200
	40	67.3	80.7	189,600
	42	65.8	79.8	172,500
	44	64.2	78.7	157,500
	46	62.5	77.6	144,300
	48	60.9	76.5	132,500
90	50	59.2	75.2	121,900
	55	54.8	71.7	99,700
	60	50.2	67.6	82,000
	65	45.1	62.7	67,700
	70	39.6	56.8	54,400*
	75	33.3	49.4	34,500*
	21	82.6	96.9	441,600*
	22	81.9	96.7	436,900*
	23	81.3	96.5	432,300*
	24	80.6	96.3	427,800*
	25	80.0	96.1	416,700*
	26	79.3	95.9	399,400*
	27	78.7	95.7	383,300*
	28	78.0	95.4	368,300*
	29	77.4	95.2	354,200*
	30	76.7	94.9	333,300
	32	75.4	94.4	294,400
	34	74.1	93.7	262,300
	36	72.7	93.1	235,400
	38	71.4	92.4	212,500
	40	70.0	91.6	192,800
	42	68.6	90.8	175,700
	44	67.2	89.9	160,700
	46	65.8	88.9	147,500
	48	64.4	87.9	135,600
	50	63.0	86.8	125,000
	55	59.3	83.9	102,800
	60	55.4	80.4	85,100
	65	51.3	76.5	70,700
	70	47.0	71.8	58,700
	75	42.3	66.5	48,600
	80	37.1	60.0	37,600*

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
100	22	82.8	106.8	421,200*
	23	82.2	106.7	416,800*
	24	81.6	106.5	412,500*
	25	81.0	106.3	408,300*
	26	80.4	106.1	399,400
	27	79.8	105.9	368,100
	28	79.3	105.7	340,600
	29	78.7	105.5	316,200
	30	78.1	105.2	294,400
	32	76.9	104.7	257,200
	34	75.7	104.2	226,600
	36	74.5	103.6	200,900
	38	73.3	103.0	179,000
	40	72.1	102.3	160,300
	42	70.9	101.5	143,900
	44	69.7	100.8	129,600
	46	68.4	99.9	116,900
	48	67.2	99.0	105,600
	50	65.9	98.1	95,500
	55	62.7	95.5	74,200
110	60	59.3	92.5	57,300
	65	55.9	89.2	43,600
	70	52.3	85.3	32,100
	75	48.5	80.9	22,500
	80	44.4	75.9	14,300
	23	82.9	116.8	327,100*
	24	82.4	116.6	323,900*
	25	81.8	116.5	320,800*
	26	81.3	116.3	317,800*
	27	80.8	116.1	314,900*
	28	80.3	115.9	312,100*
	29	79.7	115.7	309,400*
	30	79.2	115.5	297,100
	32	78.1	115.0	259,800
	34	77.0	114.6	229,100
	36	76.0	114.0	203,400
	38	74.9	113.4	181,500
	40	73.8	112.8	162,700
	42	72.7	112.2	146,400
	44	71.6	111.5	132,000
	46	70.5	110.7	119,300
	48	69.4	109.9	108,000
	50	68.2	109.1	97,900
	55	65.4	106.8	76,600
	60	62.4	104.2	59,600
	65	59.4	101.2	45,800
	70	56.3	97.9	34,400
	75	53.0	94.1	24,800
	80	49.6	89.9	16,500

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
120	24	83.0	126.8	318,100*
	25	82.5	126.6	315,600*
	26	82.0	126.4	313,100*
	27	81.6	126.3	310,700*
	28	81.1	126.1	308,300*
	29	80.6	125.9	306,100*
	30	80.1	125.7	299,200
	32	79.1	125.3	261,900
	34	78.1	124.8	231,100
	36	77.2	124.4	205,300
	38	76.2	123.8	183,400
	40	75.2	123.3	164,500
	42	74.2	122.7	148,100
	44	73.2	122.0	133,800
	46	72.2	121.4	121,000
	48	71.2	120.6	109,700
	50	70.1	119.9	99,500
	55	67.6	117.8	78,200
	60	64.9	115.5	61,200
	65	62.2	112.8	47,400
130	70	59.5	109.9	35,900
	75	56.6	106.6	26,200
	80	53.6	102.9	18,000
	85	50.6	98.8	10,800
	26	82.7	136.6	303,400*
	27	82.2	136.4	301,000*
	28	81.8	136.2	298,700*
	29	81.3	136.1	296,400*
	30	80.9	135.9	294,200*
	32	80.0	135.5	263,900
	34	79.1	135.1	233,100
	36	78.2	134.6	207,300
	38	77.3	134.2	185,400
	40	76.4	133.6	166,500
	42	75.4	133.1	150,100
	44	74.5	132.5	135,700
	46	73.6	131.9	123,000
	48	72.7	131.2	111,600
	50	71.7	130.5	101,500
	55	69.4	128.7	80,100
	60	67.0	126.5	63,100
	65	64.5	124.1	49,300
	70	62.1	121.5	37,900
	75	59.5	118.5	28,200
	80	56.9	115.3	19,900
	85	54.2	111.7	12,800

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

160' LUFFING JIB NO. 133 OR 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
140	27	82.8	146.5	294,500*
	28	82.4	146.4	292,300*
	29	81.9	146.2	290,200*
	30	81.5	146.0	288,200*
	32	80.7	145.7	265,300
	34	79.9	145.3	234,400
	36	79.0	144.9	208,600
	38	78.2	144.4	186,600
	40	77.4	144.0	167,700
	42	76.5	143.5	151,300
	44	75.7	142.9	136,800
	46	74.8	142.3	124,100
	48	74.0	141.7	112,700
	50	73.1	141.1	102,500
	55	70.9	139.4	81,100
	60	68.7	137.4	64,100
150	65	66.5	135.2	50,200
	70	64.2	132.8	38,700
	75	61.9	130.1	29,000
	80	59.5	127.2	20,800
	85	57.1	124.0	13,600
	28	82.9	156.5	256,100*
	29	82.5	156.3	254,000*
	30	82.1	156.2	251,900*
	32	81.3	155.8	247,800*
	34	80.6	155.5	235,500
	36	79.8	155.1	209,600
	38	79.0	154.7	187,600
	40	78.2	154.2	168,700
	42	77.4	153.8	152,200
	44	76.6	153.3	137,700
	46	75.8	152.7	125,000
	48	75.1	152.2	113,600
160	50	74.3	151.6	103,400
	55	72.3	150.0	81,900
	60	70.2	148.2	64,900
	65	68.2	146.2	51,000
	70	66.1	143.9	39,500
	75	63.9	141.5	29,800
	80	61.8	138.8	21,500
	85	59.6	135.9	14,300
	29	83.0	166.4	247,300*
	30	82.6	166.3	245,500*
	32	81.9	166.0	239,300*
	34	81.1	165.7	231,000*
	36	80.4	165.3	210,500
	38	79.7	164.9	188,400
	40	79.0	164.5	169,400
	42	78.2	164.0	152,900
	44	77.5	163.6	138,400
	46	76.8	163.1	125,600
	48	76.0	162.6	114,200
	50	75.3	162.0	104,000
	55	73.4	160.5	82,500

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
160	60	71.5	158.8	65,400
	65	69.6	157.0	51,500
	70	67.7	154.9	40,000
	75	65.7	152.6	30,200
	80	63.7	150.2	21,900
170	85	61.7	147.5	14,700
	30	83.0	176.4	238,700*
	32	82.4	176.1	230,200*
	34	81.7	175.8	222,000*
	36	81.0	175.5	211,200
	38	80.3	175.1	189,200
	40	79.6	174.7	170,200
	42	78.9	174.3	153,700
	44	78.2	173.8	139,200
	46	77.5	173.4	126,400
	48	76.9	172.9	115,000
	50	76.2	172.4	104,700
	55	74.4	171.0	83,300
	60	72.6	169.4	66,200
	65	70.9	167.6	52,300
	70	69.1	165.7	40,800
180	75	67.2	163.6	31,000
	80	65.4	161.3	22,700
	85	63.5	158.8	15,500
	32	82.8	186.2	219,300*
	34	82.1	185.9	211,500*
	36	81.5	185.6	204,000*
	38	80.9	185.3	189,800
	40	80.2	184.9	170,700
	42	79.6	184.5	154,200
	44	78.9	184.1	139,700
	46	78.3	183.6	126,800
	48	77.6	183.2	115,400
	50	76.9	182.7	105,100
	55	75.3	181.4	83,600
	60	73.6	179.9	66,500
	65	72.0	178.3	52,500
	70	70.3	176.5	41,000
190	75	68.6	174.5	31,200
	80	66.8	172.3	22,900
	85	65.1	170.0	15,700
	34	82.6	196.0	188,000*
	36	81.9	195.7	182,700*
	38	81.3	195.4	177,600*
	40	80.7	195.1	171,000
	42	80.1	194.7	154,500
	44	79.5	194.3	139,900
	46	78.9	193.9	127,100
	48	78.3	193.4	115,600
	50	77.6	193.0	105,300
	55	76.1	191.7	83,800

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
190	60	74.5	190.3	66,600
	65	72.9	188.8	52,700
	70	71.4	187.1	41,100
	75	69.7	185.3	31,300
	80	68.1	183.2	23,000
200	85	66.5	181.1	15,800
	34	82.9	206.1	177,800*
	36	82.4	205.8	172,700*
	38	81.8	205.5	167,700*
	40	81.2	205.2	162,800*
	42	80.6	204.8	154,700
	44	80.0	204.5	140,200
	46	79.4	204.1	127,300
	48	78.9	203.7	115,800
	50	78.3	203.2	105,500
	55	76.8	202.1	83,900
	60	75.3	200.7	66,700
	65	73.8	199.3	52,700
	70	72.3	197.7	41,100
	75	70.8	195.9	31,300
	80	69.3	194.0	22,900
	85	67.7	192.0	15,700

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

170' LUFFING JIB NO. 133 OR 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
80	20	82.4	86.9	448,600*
	21	81.7	86.7	443,600*
	22	80.9	86.5	438,700*
	23	80.2	86.3	434,000*
	24	79.5	86.1	429,300*
	25	78.7	85.9	412,400*
	26	78.0	85.6	395,100*
	27	77.3	85.4	378,900*
	28	76.5	85.1	363,900*
	29	75.8	84.8	347,500
	30	75.0	84.5	324,900
	32	73.5	83.9	286,200
	34	72.0	83.2	254,400
	36	70.5	82.4	227,700
	38	68.9	81.6	205,100
	40	67.3	80.7	185,600
	42	65.8	79.8	168,600
	44	64.2	78.7	153,700
	46	62.5	77.6	140,600
	48	60.9	76.5	128,800
90	50	59.2	75.2	118,300
	55	54.8	71.7	96,200
	60	50.2	67.6	78,700
	65	45.1	62.7	64,500
	70	39.6	56.8	50,500*
	75	33.3	49.4	30,600*
	21	82.6	96.9	435,900*
	22	81.9	96.7	431,000*
	23	81.3	96.5	426,200*
	24	80.6	96.3	421,600*
	25	80.0	96.1	413,800*
	26	79.3	95.9	389,100
	27	78.7	95.7	358,200
	28	78.0	95.4	330,900
	29	77.4	95.2	306,800
	30	76.7	94.9	285,200
	32	75.4	94.4	248,400
	34	74.1	93.7	218,000
	36	72.7	93.1	192,600
	38	71.4	92.4	171,000
	40	70.0	91.6	152,400
	42	68.6	90.8	136,300
	44	67.2	89.9	122,100
	46	65.8	88.9	109,500
	48	64.4	87.9	98,400
	50	63.0	86.8	88,300
	55	59.3	83.9	67,300
	60	55.4	80.4	50,600
	65	51.3	76.5	37,000
	70	47.0	71.8	25,700
	75	42.3	66.5	16,200

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
100	22	82.8	106.8	415,800*
	23	82.2	106.7	411,300*
	24	81.6	106.5	406,900*
	25	81.0	106.3	402,700*
	26	80.4	106.1	393,000
	27	79.8	105.9	362,000
	28	79.3	105.7	334,700
	29	78.7	105.5	310,400
	30	78.1	105.2	288,800
	32	76.9	104.7	251,900
	34	75.7	104.2	221,400
	36	74.5	103.6	195,900
	38	73.3	103.0	174,300
	40	72.1	102.3	155,600
	42	70.9	101.5	139,400
	44	69.7	100.8	125,200
	46	68.4	99.9	112,600
	48	67.2	99.0	101,400
	50	65.9	98.1	91,400
	55	62.7	95.5	70,300
110	60	59.3	92.5	53,500
	65	55.9	89.2	39,900
	70	52.3	85.3	28,500
	75	48.5	80.9	19,000
	80	44.4	75.9	10,900
	23	82.9	116.8	323,600*
	24	82.4	116.6	320,400*
	25	81.8	116.5	317,300*
	26	81.3	116.3	314,300*
	27	80.8	116.1	311,300*
	28	80.3	115.9	308,500*
	29	79.7	115.7	305,700*
	30	79.2	115.5	291,700
	32	78.1	115.0	254,700
	34	77.0	114.6	224,200
	36	76.0	114.0	198,700
	38	74.9	113.4	177,000
	40	73.8	112.8	158,300
	42	72.7	112.2	142,100
	44	71.6	111.5	127,800
	46	70.5	110.7	115,200
	48	69.4	109.9	104,000
	50	68.2	109.1	93,900
	55	65.4	106.8	72,800
	60	62.4	104.2	56,000
	65	59.4	101.2	42,300
	70	56.3	97.9	31,000
	75	53.0	94.1	21,400
	80	49.6	89.9	13,300

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
120	24	83.0	126.8	315,900*
	25	82.5	126.6	313,300*
	26	82.0	126.4	310,800*
	27	81.6	126.3	308,400*
	28	81.1	126.1	306,000*
	29	80.6	125.9	303,700*
	30	80.1	125.7	294,000
	32	79.1	125.3	256,900
	34	78.1	124.8	226,400
	36	77.2	124.4	200,800
	38	76.2	123.8	179,000
	40	75.2	123.3	160,300
	42	74.2	122.7	144,000
	44	73.2	122.0	129,700
	46	72.2	121.4	117,100
	48	71.2	120.6	105,800
	50	70.1	119.9	95,800
	55	67.6	117.8	74,600
	60	64.9	115.5	57,700
	65	62.2	112.8	44,000
130	70	59.5	109.9	32,700
	75	56.6	106.6	23,100
	80	53.6	102.9	14,900
	26	82.7	136.6	300,200*
	27	82.2	136.4	297,800*
	28	81.8	136.2	295,400*
	29	81.3	136.1	293,100*
	30	80.9	135.9	290,800*
	32	80.0	135.5	259,100
	34	79.1	135.1	228,500
	36	78.2	134.6	202,900
	38	77.3	134.2	181,100
	40	76.4	133.6	162,400
	42	75.4	133.1	146,100
	44	74.5	132.5	131,800
	46	73.6	131.9	119,200
	48	72.7	131.2	107,900
	50	71.7	130.5	97,800
	55	69.4	128.7	76,700
	60	67.0	126.5	59,800
	65	64.5	124.1	46,100
	70	62.1	121.5	34,700
	75	59.5	118.5	25,200
	80	56.9	115.3	17,000

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

170' LUFFING JIB NO. 133 OR 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
140	27	82.8	146.5	291,300*
	28	82.4	146.4	289,200*
	29	81.9	146.2	287,000*
	30	81.5	146.0	285,000*
	32	80.7	145.7	260,600
	34	79.9	145.3	230,000
	36	79.0	144.9	204,300
	38	78.2	144.4	182,500
	40	77.4	144.0	163,700
	42	76.5	143.5	147,400
	44	75.7	142.9	133,100
	46	74.8	142.3	120,400
	48	74.0	141.7	109,100
	50	73.1	141.1	99,000
	55	70.9	139.4	77,800
	60	68.7	137.4	60,900
150	65	66.5	135.2	47,100
	70	64.2	132.8	35,700
	75	61.9	130.1	26,100
	80	59.5	127.2	17,900
	85	57.1	124.0	10,800
	28	82.9	156.5	253,100*
	29	82.5	156.3	250,900*
	30	82.1	156.2	248,800*
	32	81.3	155.8	244,600*
	34	80.6	155.5	231,200
	36	79.8	155.1	205,500
	38	79.0	154.7	183,600
	40	78.2	154.2	164,800
	42	77.4	153.8	148,500
	44	76.6	153.3	134,100
	46	75.8	152.7	121,400
	48	75.1	152.2	110,100
160	50	74.3	151.6	100,000
	55	72.3	150.0	78,700
	60	70.2	148.2	61,800
	65	68.2	146.2	48,000
	70	66.1	143.9	36,600
	75	63.9	141.5	27,000
	80	61.8	138.8	18,800
	85	59.6	135.9	11,700
	29	83.0	166.4	244,300*
	30	82.6	166.3	242,500*
	32	81.9	166.0	235,800*
	34	81.1	165.7	227,500*
	36	80.4	165.3	206,400
	38	79.7	164.9	184,500
	40	79.0	164.5	165,700
	42	78.2	164.0	149,300
	44	77.5	163.6	134,900
	46	76.8	163.1	122,200
	48	76.0	162.6	110,800
	50	75.3	162.0	100,700
	55	73.4	160.5	79,300

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
160	60	71.5	158.8	62,400
	65	69.6	157.0	48,600
	70	67.7	154.9	37,200
	75	65.7	152.6	27,500
	80	63.7	150.2	19,300
170	85	61.7	147.5	12,100
	30	83.0	176.4	235,100*
	32	82.4	176.1	226,600*
	34	81.7	175.8	218,500*
	36	81.0	175.5	207,300
	38	80.3	175.1	185,400
	40	79.6	174.7	166,500
	42	78.9	174.3	150,100
	44	78.2	173.8	135,700
	46	77.5	173.4	123,000
	48	76.9	172.9	111,700
	50	76.2	172.4	101,500
	55	74.4	171.0	80,200
	60	72.6	169.4	63,300
	65	70.9	167.6	49,500
	70	69.1	165.7	38,000
180	75	67.2	163.6	28,400
	80	65.4	161.3	20,100
	85	63.5	158.8	13,000
	32	82.8	186.2	215,800*
	34	82.1	185.9	208,000*
	36	81.5	185.6	200,500*
	38	80.9	185.3	186,000
	40	80.2	184.9	167,100
	42	79.6	184.5	150,700
	44	78.9	184.1	136,300
	46	78.3	183.6	123,500
	48	77.6	183.2	112,200
	50	76.9	182.7	102,000
	55	75.3	181.4	80,600
	60	73.6	179.9	63,600
	65	72.0	178.3	49,800
	70	70.3	176.5	38,300
190	75	68.6	174.5	28,600
	80	66.8	172.3	20,400
	85	65.1	170.0	13,200
	34	82.6	196.0	184,900*
	36	81.9	195.7	179,600*
	38	81.3	195.4	174,500*
	40	80.7	195.1	167,500
	42	80.1	194.7	151,000
	44	79.5	194.3	136,600
	46	78.9	193.9	123,800
	48	78.3	193.4	112,500
	50	77.6	193.0	102,300
	55	76.1	191.7	80,800

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
190	60	74.5	190.3	63,800
	65	72.9	188.8	50,000
	70	71.4	187.1	38,500
	75	69.7	185.3	28,800
	80	68.1	183.2	20,500
200	85	66.5	181.1	13,400
	34	82.9	206.1	174,600*
	36	82.4	205.8	169,500*
	38	81.8	205.5	164,600*
	40	81.2	205.2	159,700*
	42	80.6	204.8	151,400
	44	80.0	204.5	136,900
	46	79.4	204.1	124,100
	48	78.9	203.7	112,700
	50	78.3	203.2	102,500
	55	76.8	202.1	81,000
	60	75.3	200.7	63,900
	65	73.8	199.3	50,100
	70	72.3	197.7	38,600
	75	70.8	195.9	28,800
	80	69.3	194.0	20,500
	85	67.7	192.0	13,400

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

180' LUFFING JIB NO. 133 OR 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
80	20	82.4	86.9	441,700*
	21	81.7	86.7	436,600*
	22	80.9	86.5	431,500*
	23	80.2	86.3	426,600*
	24	79.5	86.1	421,800*
	25	78.7	85.9	408,500*
	26	78.0	85.6	376,100
	27	77.3	85.4	345,400
	28	76.5	85.1	318,400
	29	75.8	84.8	294,500
	30	75.0	84.5	273,100
	32	73.5	83.9	236,600
	34	72.0	83.2	206,500
	36	70.5	82.4	181,300
	38	68.9	81.6	159,900
	40	67.3	80.7	141,500
	42	65.8	79.8	125,500
	44	64.2	78.7	111,500
	46	62.5	77.6	99,000
	48	60.9	76.5	88,000
90	50	59.2	75.2	78,100
	55	54.8	71.7	57,200
	60	50.2	67.6	40,700
	65	45.1	62.7	27,300
	70	39.6	56.8	16,100
	21	82.6	96.9	430,200*
	22	81.9	96.7	425,200*
	23	81.3	96.5	420,300*
	24	80.6	96.3	415,600*
	25	80.0	96.1	410,100*
	26	79.3	95.9	381,400
	27	78.7	95.7	350,600
	28	78.0	95.4	323,600
	29	77.4	95.2	299,600
	30	76.7	94.9	278,200
	32	75.4	94.4	241,600
	34	74.1	93.7	211,400
	36	72.7	93.1	186,200
	38	71.4	92.4	164,700
	40	70.0	91.6	146,300
	42	68.6	90.8	130,200
	44	67.2	89.9	116,200
	46	65.8	88.9	103,700
	48	64.4	87.9	92,600
	50	63.0	86.8	82,700
	55	59.3	83.9	61,800
	60	55.4	80.4	45,200
	65	51.3	76.5	31,700
	70	47.0	71.8	20,600
	75	42.3	66.5	11,200

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
100	22	82.8	106.8	410,600*
	23	82.2	106.7	406,000*
	24	81.6	106.5	401,500*
	25	81.0	106.3	397,100*
	26	80.4	106.1	385,600
	27	79.8	105.9	354,700
	28	79.3	105.7	327,600
	29	78.7	105.5	303,600
	30	78.1	105.2	282,100
	32	76.9	104.7	245,400
	34	75.7	104.2	215,200
	36	74.5	103.6	189,800
	38	73.3	103.0	168,300
	40	72.1	102.3	149,800
	42	70.9	101.5	133,700
	44	69.7	100.8	119,600
	46	68.4	99.9	107,100
	48	67.2	99.0	96,000
	50	65.9	98.1	86,000
	55	62.7	95.5	65,100
110	60	59.3	92.5	48,400
	65	55.9	89.2	34,900
	70	52.3	85.3	23,700
	75	48.5	80.9	14,200
	23	82.9	116.8	320,200*
	24	82.4	116.6	317,000*
	25	81.8	116.5	313,800*
	26	81.3	116.3	310,800*
	27	80.8	116.1	307,800*
	28	80.3	115.9	304,900*
	29	79.7	115.7	302,100*
	30	79.2	115.5	285,300
	32	78.1	115.0	248,500
	34	77.0	114.6	218,200
	36	76.0	114.0	192,800
	38	74.9	113.4	171,300
	40	73.8	112.8	152,700
	42	72.7	112.2	136,600
	44	71.6	111.5	122,500
	46	70.5	110.7	110,000
	48	69.4	109.9	98,800
	50	68.2	109.1	88,800
	55	65.4	106.8	67,800
	60	62.4	104.2	51,200
	65	59.4	101.2	37,600
	70	56.3	97.9	26,400
	75	53.0	94.1	16,900

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
120	24	83.0	126.8	312,700*
	25	82.5	126.6	310,100*
	26	82.0	126.4	307,500*
	27	81.6	126.3	305,000*
	28	81.1	126.1	302,600*
	29	80.6	125.9	300,300*
	30	80.1	125.7	287,800
	32	79.1	125.3	250,900
	34	78.1	124.8	220,600
	36	77.2	124.4	195,100
	38	76.2	123.8	173,500
	40	75.2	123.3	154,900
	42	74.2	122.7	138,800
	44	73.2	122.0	124,600
	46	72.2	121.4	112,000
	48	71.2	120.6	100,900
	50	70.1	119.9	90,800
	55	67.6	117.8	69,800
	60	64.9	115.5	53,100
	65	62.2	112.8	39,500
130	70	59.5	109.9	28,200
	75	56.6	106.6	18,700
	80	53.6	102.9	10,600
	26	82.7	136.6	297,000*
	27	82.2	136.4	294,500*
	28	81.8	136.2	292,100*
	29	81.3	136.1	289,800*
	30	80.9	135.9	287,500*
	32	80.0	135.5	253,200
	34	79.1	135.1	222,900
	36	78.2	134.6	197,400
	38	77.3	134.2	175,800
	40	76.4	133.6	157,200
	42	75.4	133.1	141,000
	44	74.5	132.5	126,900
	46	73.6	131.9	114,300
	48	72.7	131.2	103,100
	50	71.7	130.5	93,100
	55	69.4	128.7	72,100
	60	67.0	126.5	55,400
	65	64.5	124.1	41,800
	70	62.1	121.5	30,500
	75	59.5	118.5	21,000
	80	56.9	115.3	12,800

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

180' LUFFING JIB NO. 133 OR 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
140	27	82.8	146.5	288,200*
	28	82.4	146.4	286,000*
	29	81.9	146.2	283,900*
	30	81.5	146.0	281,800*
	32	80.7	145.7	255,000
	34	79.9	145.3	224,500
	36	79.0	144.9	199,000
	38	78.2	144.4	177,300
	40	77.4	144.0	158,700
	42	76.5	143.5	142,500
	44	75.7	142.9	128,300
	46	74.8	142.3	115,700
	48	74.0	141.7	104,500
	50	73.1	141.1	94,400
	55	70.9	139.4	73,300
	60	68.7	137.4	56,600
150	65	66.5	135.2	42,900
	70	64.2	132.8	31,600
	75	61.9	130.1	22,100
	80	59.5	127.2	13,900
	28	82.9	156.5	250,000*
	29	82.5	156.3	247,800*
	30	82.1	156.2	245,700*
	32	81.3	155.8	241,500*
	34	80.6	155.5	225,800
	36	79.8	155.1	200,300
	38	79.0	154.7	178,600
	40	78.2	154.2	159,900
	42	77.4	153.8	143,700
	44	76.6	153.3	129,400
	46	75.8	152.7	116,800
	48	75.1	152.2	105,600
	50	74.3	151.6	95,500
160	55	72.3	150.0	74,400
	60	70.2	148.2	57,600
	65	68.2	146.2	43,900
	70	66.1	143.9	32,600
	75	63.9	141.5	23,100
	80	61.8	138.8	14,900
	29	83.0	166.4	241,400*
	30	82.6	166.3	239,500*
	32	81.9	166.0	232,400*
	34	81.1	165.7	224,100*
	36	80.4	165.3	201,400
	38	79.7	164.9	179,600
	40	79.0	164.5	160,900
	42	78.2	164.0	144,600
	44	77.5	163.6	130,300
	46	76.8	163.1	117,700
	48	76.0	162.6	106,400
	50	75.3	162.0	96,300

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
160	55	73.4	160.5	75,200
	60	71.5	158.8	58,300
	65	69.6	157.0	44,600
	70	67.7	154.9	33,300
	75	65.7	152.6	23,700
170	80	63.7	150.2	15,500
	30	83.0	176.4	231,700*
	32	82.4	176.1	223,200*
	34	81.7	175.8	215,100*
	36	81.0	175.5	202,300
	38	80.3	175.1	180,600
	40	79.6	174.7	161,800
	42	78.9	174.3	145,600
	44	78.2	173.8	131,300
	46	77.5	173.4	118,600
	48	76.9	172.9	107,400
	50	76.2	172.4	97,300
	55	74.4	171.0	76,100
	60	72.6	169.4	59,300
	65	70.9	167.6	45,600
	70	69.1	165.7	34,200
180	75	67.2	163.6	24,700
	80	65.4	161.3	16,500
	32	82.8	186.2	212,300*
	34	82.1	185.9	204,600*
	36	81.5	185.6	197,100*
	38	80.9	185.3	181,300
	40	80.2	184.9	162,500
	42	79.6	184.5	146,200
	44	78.9	184.1	131,900
	46	78.3	183.6	119,200
	48	77.6	183.2	107,900
	50	76.9	182.7	97,800
	55	75.3	181.4	76,600
	60	73.6	179.9	59,700
	65	72.0	178.3	46,000
	70	70.3	176.5	34,600
	75	68.6	174.5	25,000
190	80	66.8	172.3	16,800
	34	82.6	196.0	181,800*
	36	81.9	195.7	176,500*
	38	81.3	195.4	171,400*
	40	80.7	195.1	163,000
	42	80.1	194.7	146,700
	44	79.5	194.3	132,300
	46	78.9	193.9	119,600
	48	78.3	193.4	108,300
	50	77.6	193.0	98,200

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
190	55	76.1	191.7	76,900
	60	74.5	190.3	60,000
	65	72.9	188.8	46,300
	70	71.4	187.1	34,900
	75	69.7	185.3	25,300
200	80	68.1	183.2	17,000

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

190' LUFFING JIB NO. 133 OR 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
80	20	82.4	86.9	435,000*
	21	81.7	86.7	429,700*
	22	80.9	86.5	424,400*
	23	80.2	86.3	419,300*
	24	79.5	86.1	414,400*
	25	78.7	85.9	402,700
	26	78.0	85.6	367,800
	27	77.3	85.4	337,300
	28	76.5	85.1	310,600
	29	75.8	84.8	286,800
	30	75.0	84.5	265,600
	32	73.5	83.9	229,400
	34	72.0	83.2	199,600
	36	70.5	82.4	174,600
	38	68.9	81.6	153,400
	40	67.3	80.7	135,100
	42	65.8	79.8	119,200
	44	64.2	78.7	105,300
	46	62.5	77.6	93,000
	48	60.9	76.5	82,000
90	50	59.2	75.2	72,200
	55	54.8	71.7	51,600
	60	50.2	67.6	35,200
	65	45.1	62.7	21,900
	70	39.6	56.8	10,900
	21	82.6	96.9	423,900*
	22	81.9	96.7	418,800*
	23	81.3	96.5	413,800*
	24	80.6	96.3	408,900*
	25	80.0	96.1	404,200*
	26	79.3	95.9	373,500
	27	78.7	95.7	343,000
	28	78.0	95.4	316,100
	29	77.4	95.2	292,300
	30	76.7	94.9	271,100
	32	75.4	94.4	234,800
	34	74.1	93.7	204,900
	36	72.7	93.1	179,800
	38	71.4	92.4	158,500
	40	70.0	91.6	140,200
	42	68.6	90.8	124,300
	44	67.2	89.9	110,400
	46	65.8	88.9	98,000
	48	64.4	87.9	87,000
	50	63.0	86.8	77,200
	55	59.3	83.9	56,500
	60	55.4	80.4	40,100
	65	51.3	76.5	26,700
	70	47.0	71.8	15,600

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
100	22	82.8	106.8	404,700*
	23	82.2	106.7	400,000*
	24	81.6	106.5	395,400*
	25	81.0	106.3	390,900*
	26	80.4	106.1	378,000
	27	79.8	105.9	347,400
	28	79.3	105.7	320,500
	29	78.7	105.5	296,600
	30	78.1	105.2	275,300
	32	76.9	104.7	238,900
	34	75.7	104.2	208,900
	36	74.5	103.6	183,800
	38	73.3	103.0	162,400
	40	72.1	102.3	144,100
	42	70.9	101.5	128,100
	44	69.7	100.8	114,100
	46	68.4	99.9	101,700
	48	67.2	99.0	90,700
	50	65.9	98.1	80,800
	55	62.7	95.5	60,000
110	60	59.3	92.5	43,500
	65	55.9	89.2	30,100
	70	52.3	85.3	19,000
	23	82.9	116.8	316,500*
	24	82.4	116.6	313,200*
	25	81.8	116.5	310,000*
	26	81.3	116.3	306,900*
	27	80.8	116.1	303,800*
	28	80.3	115.9	300,900*
	29	79.7	115.7	298,000*
	30	79.2	115.5	278,700
	32	78.1	115.0	242,200
	34	77.0	114.6	212,200
	36	76.0	114.0	187,000
	38	74.9	113.4	165,600
	40	73.8	112.8	147,200
	42	72.7	112.2	131,300
	44	71.6	111.5	117,200
	46	70.5	110.7	104,800
	48	69.4	109.9	93,800
	50	68.2	109.1	83,800
	55	65.4	106.8	63,000
	60	62.4	104.2	46,500
	65	59.4	101.2	33,100
	70	56.3	97.9	21,900
	75	53.0	94.1	12,500
120	24	83.0	126.8	309,600*
	25	82.5	126.6	306,900*
	26	82.0	126.4	304,400*
	27	81.6	126.3	301,900*
	28	81.1	126.1	299,500*
	29	80.6	125.9	297,100*
	30	80.1	125.7	281,500
	32	79.1	125.3	244,900

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
120	34	78.1	124.8	214,800
	36	77.2	124.4	189,500
	38	76.2	123.8	168,100
	40	75.2	123.3	149,600
	42	74.2	122.7	133,600
	44	73.2	122.0	119,500
	46	72.2	121.4	107,100
	48	71.2	120.6	96,000
	50	70.1	119.9	86,100
	55	67.6	117.8	65,200
	60	64.9	115.5	48,600
	65	62.2	112.8	35,200
130	70	59.5	109.9	24,000
	75	56.6	106.6	14,600
	26	82.7	136.6	297,000*
	27	82.2	136.4	294,500*
	28	81.8	136.2	292,100*
	29	81.3	136.1	289,700*
	30	80.9	135.9	284,000
	32	80.0	135.5	247,400
	34	79.1	135.1	217,200
	36	78.2	134.6	192,000
	38	77.3	134.2	170,600
	40	76.4	133.6	152,100
140	42	75.4	133.1	136,100
	44	74.5	132.5	122,000
	46	73.6	131.9	109,500
	48	72.7	131.2	98,500
	50	71.7	130.5	88,500
	55	69.4	128.7	67,600
	60	67.0	126.5	51,100
	65	64.5	124.1	37,600
	70	62.1	121.5	26,400
	75	59.5	118.5	17,000
	27	82.8	146.5	284,800*
	28	82.4	146.4	282,500*
	29	81.9	146.2	280,400*
	30	81.5	146.0	278,300*
	32	80.7	145.7	249,300
	34	79.9	145.3	219,100
	36	79.0	144.9	193,800
	38	78.2	144.4	172,200
	40	77.4	144.0	153,700
	42	76.5	143.5	137,700
	44	75.7	142.9	123,500
	46	74.8	142.3	111,100
	48	74.0	141.7	99,900
	50	73.1	141.1	90,000
	55	70.9	139.4	69,000
	60	68.7	137.4	52,400
	65	66.5	135.2	38,900
	70	64.2	132.8	27,700
	75	61.9	130.1	18,200
	80	59.5	127.2	10,200

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

190' LUFFING JIB NO. 133 OR 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 0	28	82.9	156.5	246,600*
	29	82.5	156.3	244,400*
	30	82.1	156.2	242,300*
	32	81.3	155.8	238,100*
	34	80.6	155.5	220,500
	36	79.8	155.1	195,200
	38	79.0	154.7	173,600
	40	78.2	154.2	155,100
	42	77.4	153.8	139,000
	44	76.6	153.3	124,800
	46	75.8	152.7	112,300
	48	75.1	152.2	101,200
	50	74.3	151.6	91,200
	55	72.3	150.0	70,200
	60	70.2	148.2	53,600
	65	68.2	146.2	40,100
1 6 0	70	66.1	143.9	28,800
	75	63.9	141.5	19,300
	80	61.8	138.8	11,300
	29	83.0	166.4	238,100*
	30	82.6	166.3	236,200*
	32	81.9	166.0	228,600*
	34	81.1	165.7	220,300*
	36	80.4	165.3	196,300
	38	79.7	164.9	174,700
	40	79.0	164.5	156,200
	42	78.2	164.0	140,000
	44	77.5	163.6	125,800
	46	76.8	163.1	113,300
	48	76.0	162.6	102,100
	50	75.3	162.0	92,100
	55	73.4	160.5	71,100
	60	71.5	158.8	54,400
	65	69.6	157.0	40,800
	70	67.7	154.9	29,600
	75	65.7	152.6	20,100
	80	63.7	150.2	12,000
1 7 0	30	83.0	176.4	227,800*
	32	82.4	176.1	219,400*
	34	81.7	175.8	211,300*
	36	81.0	175.5	197,400
	38	80.3	175.1	175,800
	40	79.6	174.7	157,200
	42	78.9	174.3	141,100
	44	78.2	173.8	126,900
	46	77.5	173.4	114,400
	48	76.9	172.9	103,200
	50	76.2	172.4	93,200
	55	74.4	171.0	72,200
	60	72.6	169.4	55,500
	65	70.9	167.6	41,900
	70	69.1	165.7	30,600
	75	67.2	163.6	21,200
	80	65.4	161.3	13,000

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 8 0	32	82.8	186.2	208,500*
	34	82.1	185.9	200,700*
	36	81.5	185.6	193,300*
	38	80.9	185.3	176,700
	40	80.2	184.9	158,000
	42	79.6	184.5	141,800
	44	78.9	184.1	127,600
	46	78.3	183.6	115,100
	48	77.6	183.2	103,900
	50	76.9	182.7	93,800
	55	75.3	181.4	72,800
	60	73.6	179.9	56,000
	65	72.0	178.3	42,400
	70	70.3	176.5	31,100
	75	68.6	174.5	21,600
	80	66.8	172.3	13,400
1 9 0	34	82.6	196.0	178,400*
	36	81.9	195.7	173,100*
	38	81.3	195.4	168,100*
	40	80.7	195.1	158,600
	42	80.1	194.7	142,400
	44	79.5	194.3	128,100
	46	78.9	193.9	115,500
	48	78.3	193.4	104,300
	50	77.6	193.0	94,300
	55	76.1	191.7	73,200
	60	74.5	190.3	56,400
	65	72.9	188.8	42,800
	70	71.4	187.1	31,400
	75	69.7	185.3	21,900
	80	68.1	183.2	13,800

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

200' LUFFING JIB NO. 133 OR 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
80	20	82.4	86.9	427,600*
	21	81.7	86.7	422,100*
	22	80.9	86.5	416,700*
	23	80.2	86.3	411,400*
	24	79.5	86.1	406,300*
	25	78.7	85.9	393,600
	26	78.0	85.6	359,000
	27	77.3	85.4	328,800
	28	76.5	85.1	302,200
	29	75.8	84.8	278,600
	30	75.0	84.5	257,600
	32	73.5	83.9	221,700
	34	72.0	83.2	192,100
	36	70.5	82.4	167,300
	38	68.9	81.6	146,200
	40	67.3	80.7	128,100
	42	65.8	79.8	112,400
	44	64.2	78.7	98,600
	46	62.5	77.6	86,400
	48	60.9	76.5	75,500
90	50	59.2	75.2	65,700
	55	54.8	71.7	45,300
	60	50.2	67.6	29,100
	65	45.1	62.7	15,900
	21	82.6	96.9	416,900*
	22	81.9	96.7	411,700*
	23	81.3	96.5	406,500*
	24	80.6	96.3	401,500*
	25	80.0	96.1	396,700*
	26	79.3	95.9	365,100
	27	78.7	95.7	334,800
	28	78.0	95.4	308,200
	29	77.4	95.2	284,600
	30	76.7	94.9	263,500
	32	75.4	94.4	227,400
	34	74.1	93.7	197,800
	36	72.7	93.1	172,900
	38	71.4	92.4	151,800
	40	70.0	91.6	133,700
	42	68.6	90.8	117,900
	44	67.2	89.9	104,100
	46	65.8	88.9	91,800
	48	64.4	87.9	80,900
	50	63.0	86.8	71,100
	55	59.3	83.9	50,600
	60	55.4	80.4	34,300
	65	51.3	76.5	21,100
	70	47.0	71.8	10,200

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
100	22	82.8	106.8	398,200*
	23	82.2	106.7	393,400*
	24	81.6	106.5	388,700*
	25	81.0	106.3	384,100*
	26	80.4	106.1	370,000
	27	79.8	105.9	339,600
	28	79.3	105.7	312,900
	29	78.7	105.5	289,200
	30	78.1	105.2	268,100
	32	76.9	104.7	231,900
	34	75.7	104.2	202,200
	36	74.5	103.6	177,200
	38	73.3	103.0	156,100
	40	72.1	102.3	137,800
	42	70.9	101.5	122,000
	44	69.7	100.8	108,100
	46	68.4	99.9	95,800
	48	67.2	99.0	84,900
	50	65.9	98.1	75,100
	55	62.7	95.5	54,500
110	60	59.3	92.5	38,100
	65	55.9	89.2	24,900
	70	52.3	85.3	13,800
	23	82.9	116.8	312,200*
	24	82.4	116.6	308,900*
	25	81.8	116.5	305,700*
	26	81.3	116.3	302,500*
	27	80.8	116.1	299,400*
	28	80.3	115.9	296,400*
	29	79.7	115.7	293,000
	30	79.2	115.5	271,800
	32	78.1	115.0	235,500
	34	77.0	114.6	205,700
	36	76.0	114.0	180,800
	38	74.9	113.4	159,500
	40	73.8	112.8	141,300
	42	72.7	112.2	125,400
	44	71.6	111.5	111,500
	46	70.5	110.7	99,200
	48	69.4	109.9	88,200
	50	68.2	109.1	78,400
	55	65.4	106.8	57,800
	60	62.4	104.2	41,400
120	65	59.4	101.2	28,100
	70	56.3	97.9	17,000
	24	83.0	126.8	306,100*
	25	82.5	126.6	303,400*
	26	82.0	126.4	300,800*
	27	81.6	126.3	298,300*
	28	81.1	126.1	295,800*
	29	80.6	125.9	293,400*
	30	80.1	125.7	274,700
	32	79.1	125.3	238,400

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
120	34	78.1	124.8	208,500
	36	77.2	124.4	183,500
	38	76.2	123.8	162,200
	40	75.2	123.3	143,900
	42	74.2	122.7	128,000
	44	73.2	122.0	114,000
	46	72.2	121.4	101,700
	48	71.2	120.6	90,700
	50	70.1	119.9	80,800
	55	67.6	117.8	60,200
130	60	64.9	115.5	43,700
	65	62.2	112.8	30,400
	70	59.5	109.9	19,300
	26	82.7	136.6	289,500*
	27	82.2	136.4	286,900*
	28	81.8	136.2	284,500*
	29	81.3	136.1	282,100*
	30	80.9	135.9	277,400
	32	80.0	135.5	241,100
	34	79.1	135.1	211,200
140	36	78.2	134.6	186,200
	38	77.3	134.2	164,900
	40	76.4	133.6	146,600
	42	75.4	133.1	130,700
	44	74.5	132.5	116,700
	46	73.6	131.9	104,300
	48	72.7	131.2	93,300
	50	71.7	130.5	83,500
	55	69.4	128.7	62,800
	60	67.0	126.5	46,300
150	65	64.5	124.1	33,000
	70	62.1	121.5	21,900
	75	59.5	118.5	12,500
	27	82.8	146.5	280,900*
	28	82.4	146.4	278,600*
	29	81.9	146.2	276,400*
	30	81.5	146.0	274,300*
	32	80.7	145.7	243,200
	34	79.9	145.3	213,200
	36	79.0	144.9	188,100
160	38	78.2	144.4	166,700
	40	77.4	144.0	148,400
	42	76.5	143.5	132,400
	44	75.7	142.9	118,400
	46	74.8	142.3	106,000
	48	74.0	141.7	95,000
	50	73.1	141.1	85,100
	55	70.9	139.4	64,300
	60	68.7	137.4	47,800
	65	66.5	135.2	34,400
170	70	64.2	132.8	23,300
	75	61.9	130.1	13,900

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH LUFFING JIB ATTACHED

M-250 SERIES 2

NEW YORK CITY CODE

BOOM NO. 44 WITH HEAVY LIFT TOP

200' LUFFING JIB NO. 133 OR 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 0	28	82.9	156.5	242,900*
	29	82.5	156.3	240,600*
	30	82.1	156.2	238,400*
	32	81.3	155.8	234,200*
	34	80.6	155.5	214,800
	36	79.8	155.1	189,600
	38	79.0	154.7	168,200
	40	78.2	154.2	149,900
	42	77.4	153.8	133,900
	44	76.6	153.3	119,800
	46	75.8	152.7	107,400
	48	75.1	152.2	96,400
	50	74.3	151.6	86,500
	55	72.3	150.0	65,700
	60	70.2	148.2	49,200
	65	68.2	146.2	35,700
	70	66.1	143.9	24,600
	75	63.9	141.5	15,200
1 6 0	29	83.0	166.4	234,400*
	30	82.6	166.3	232,500*
	32	81.9	166.0	224,400*
	34	81.1	165.7	216,100*
	36	80.4	165.3	190,900
	38	79.7	164.9	169,500
	40	79.0	164.5	151,100
	42	78.2	164.0	135,000
	44	77.5	163.6	121,000
	46	76.8	163.1	108,500
	48	76.0	162.6	97,500
	50	75.3	162.0	87,500
	55	73.4	160.5	66,700
	60	71.5	158.8	50,100
	65	69.6	157.0	36,600
	70	67.7	154.9	25,500
	75	65.7	152.6	16,000
1 7 0	30	83.0	176.4	223,500*
	32	82.4	176.1	215,100*
	34	81.7	175.8	207,000*
	36	81.0	175.5	192,100
	38	80.3	175.1	170,700
	40	79.6	174.7	152,200
	42	78.9	174.3	136,200
	44	78.2	173.8	122,100
	46	77.5	173.4	109,700
	48	76.9	172.9	98,600
	50	76.2	172.4	88,700
	55	74.4	171.0	67,800
	60	72.6	169.4	51,300
	65	70.9	167.6	37,800
	70	69.1	165.7	26,600
	75	67.2	163.6	17,200

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY POUNDS
1 8 0	32	82.8	186.2	204,200*
	34	82.1	185.9	196,500*
	36	81.5	185.6	189,100*
	38	80.9	185.3	171,600
	40	80.2	184.9	153,100
	42	79.6	184.5	137,100
	44	78.9	184.1	123,000
	46	78.3	183.6	110,500
	48	77.6	183.2	99,400
	50	76.9	182.7	89,400
	55	75.3	181.4	68,500
	60	73.6	179.9	51,900
1 9 0	34	82.6	196.0	174,600*
	36	81.9	195.7	169,300*
	38	81.3	195.4	164,300*
	40	80.7	195.1	153,800
	42	80.1	194.7	137,700
	44	79.5	194.3	123,500
	46	78.9	193.9	111,100
	48	78.3	193.4	99,900
	50	77.6	193.0	89,900
	55	76.1	191.7	69,000
	60	74.5	190.3	52,400
	65	72.9	188.8	38,800
	70	71.4	187.1	27,600
	75	69.7	185.3	18,200
	80	68.1	183.2	10,100