

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

**BOOM NO. 44 WITH 1524 mm TOP
LUFFING JIB NO. 133A
75 750 kg COUNTERWEIGHT
360 DEGREE RATING**

MEETS
ANSI B30.5
REQUIREMENTS

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

WEIGHT OF ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM POINT SHEAVES, IS CONSIDERED PART OF MAIN BOOM LOAD. WEIGHT OF LUFFING JIB AND 2 270 kg SUSPENDED BENEATH LUFFING JIB POINT SHEAVES HAVE BEEN INCLUDED IN CAPACITY DETERMINATION. BOOM IS NOT TO BE LOWERED BEYOND RADII WHERE COMBINED WEIGHTS ARE GREATER THAN RATED CAPACITY. WHERE NO CAPACITY IS SHOWN, OPERATION IS NOT INTENDED OR APPROVED.

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

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

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

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

MACHINE EQUIPPED WITH 9 373 mm CRAWLERS, 1 219 mm TREADS, 610 mm BOOM HINGE ADAPTOR, 8 534 mm RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 38 mm BOOM PENDANTS, 10 PART LUFFING JIB HOIST REEVING, TWO 38 mm LUFFING JIB PENDANTS AND BACKSTAYS, AND 75 750 kg COUNTERWEIGHT.

LUFFING JIB POSITION DURING OPERATION	
LUFFING JIB LENGTH - METERS	BOOM TO LUFFING JIB ANGLE
21.3	145 DEGREES
24.4 - 27.4	150 DEGREES
30.5 - 33.5	160 DEGREES
36.6 - 61.0	168 DEGREES

WIND LIMITS DURING OPERATION					
BASED ON WIND VELOCITY MEASURED AT 30m ELEVATION WITH VELOCITY FACTOR FOR SUBURBAN AREAS, CITY OUTSKIRTS, AND ROLLING TERRAIN					
11 m/s MAXIMUM WIND VELOCITY		9 m/s MAXIMUM WIND VELOCITY		7 m/s MAXIMUM WIND VELOCITY	
BOOM LENGTH	LUFFING	BOOM LENGTH	LUFFING	BOOM LENGTH	LUFFING
METERS	JIB LENGTH	METERS	JIB LENGTH	METERS	JIB LENGTH
	METERS		METERS		METERS
25.9 - 29.0	21.3 - 48.8	25.9 - 29.0	51.8 - 61.0	32.0 - 35.1	61.0
32.0 - 35.1	21.3 - 42.7	32.0 - 35.1	45.7 - 57.9	38.1 - 41.1	54.9 - 61.0
38.1 - 41.1	21.3 - 39.6	38.1 - 41.1	42.7 - 51.8	44.2 - 47.2	48.8 - 61.0
44.2 - 47.2	21.3 - 36.6	44.2 - 47.1	39.6 - 45.7	50.3	45.7 - 61.0
50.3	21.3 - 30.5	50.3	33.5 - 42.7		

CONSULT CHART NO. 7716-AM FOR LUFFING JIB CAPACITIES

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LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

21.3m LUFFING JIB NO. 133A

SET AT 145 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 5 · 9	8 5	6.7	83.0	28.6	136 000*
		7.0	82.3	28.5	134 100*
		7.5	81.2	28.4	132 800*
		8.0	80.1	28.3	131 500*
		8.5	78.9	28.2	130 400*
		9.0	77.8	28.0	128 200
		10.0	75.5	27.7	106 800
		11.0	73.1	27.4	89 700
		12.0	70.8	27.0	76 600
		13.0	68.4	26.6	66 300
		14.0	65.9	26.1	57 900
		15.0	63.4	25.5	51 000
		16.0	60.8	24.9	45 100
		18.0	55.4	23.5	35 800
		20.0	49.5	21.7	28 900
		22.0	43.0	19.6	23 400
2 9 · 0	9 5	7.3	82.5	31.6	131 400*
		7.5	82.1	31.5	130 900*
		8.0	81.1	31.4	129 800*
		8.5	80.1	31.3	128 800*
		9.0	79.1	31.2	127 500
		10.0	77.1	30.9	107 200
		11.0	75.0	30.6	90 100
		12.0	72.9	30.3	77 000
		13.0	70.8	29.9	66 600
		14.0	68.6	29.4	58 200
		15.0	66.4	29.0	51 200
		16.0	64.2	28.4	45 400
		18.0	59.6	27.2	36 100
		20.0	54.7	25.8	29 100
		22.0	49.5	24.0	23 600
		24.0	43.7	21.9	19 100
3 2 · 0	1 0 5	7.6	82.7	34.6	129 100*
		8.0	82.0	34.5	128 400*
		8.5	81.1	34.4	127 500*
		9.0	80.2	34.3	126 700*
		10.0	78.3	34.1	107 600
		11.0	76.5	33.8	90 400
		12.0	74.6	33.5	77 200
		13.0	72.7	33.1	66 900
		14.0	70.8	32.8	58 400
		15.0	68.8	32.3	51 500
		16.0	66.9	31.9	45 600
		18.0	62.8	30.8	36 300
		20.0	58.6	29.5	29 200
		22.0	54.2	28.1	23 700
		24.0	49.4	26.3	19 300
		26.0	44.3	24.3	15 600
28.0	38.5	21.8	12 500		
3 5 · 1	1 1 5	7.9	82.8	37.6	127 300*
		8.0	82.7	37.6	127 200*
		8.5	81.9	37.5	126 400*
		9.0	81.0	37.4	125 700*
		10.0	79.4	37.2	108 100
		11.0	77.7	37.0	90 700
		12.0	76.0	36.7	77 500
		13.0	74.3	36.4	67 000
		14.0	72.5	36.0	58 600
		15.0	70.8	35.6	51 600
		16.0	69.0	35.2	45 700
		18.0	65.4	34.3	36 400
		20.0	61.7	33.2	29 300
		22.0	57.8	31.9	23 800
		24.0	53.7	30.4	19 300
		26.0	49.4	28.6	15 600
28.0	44.7	26.6	12 500		
30.0	39.6	24.2	9 900		
3 8 · 1	1 2 5	8.2	82.9	40.7	114 700*
		8.5	82.5	40.6	114 100*
		9.0	81.8	40.5	112 900*
		10.0	80.2	40.3	108 300*
		11.0	78.7	40.1	90 800
		12.0	77.1	39.8	77 600
		13.0	75.6	39.6	67 100
		14.0	74.0	39.2	58 700
		15.0	72.4	38.9	51 700
		16.0	70.8	38.5	45 800
		18.0	67.5	37.7	36 400
		20.0	64.2	36.7	29 400
		22.0	60.7	35.5	23 800
		24.0	57.1	34.2	19 400
		26.0	53.3	32.7	15 700
		28.0	49.3	30.9	12 600
30.0	45.1	28.9	10 000		
32.0	40.4	26.6	7 700		
4 1 · 1	1 3 5	8.5	83.0	43.7	111 900*
		9.0	82.4	43.6	111 000*
		10.0	81.0	43.4	107 200*
		11.0	79.5	43.2	90 900
		12.0	78.1	43.0	77 700
		13.0	76.7	42.7	67 200
		14.0	75.2	42.4	58 700
		15.0	73.8	42.1	51 700
		16.0	72.3	41.8	45 800
		18.0	69.3	41.0	36 400
		20.0	66.2	40.1	29 300
		22.0	63.1	39.0	23 800
		24.0	59.9	37.8	19 300
		26.0	56.5	36.5	15 600
		28.0	53.0	35.0	12 500
		30.0	49.3	33.2	9 900
32.0	45.4	31.2	7 600		
34.0	41.2	28.9	5 600		

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BOOM NO. 44 WITH 1524 mm TOP

21.3m LUFFING JIB NO. 133A

SET AT 145 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 4 · 2	1 4 5	9.1	82.7	46.7	108 400*
		10.0	81.6	46.5	105 700*
		11.0	80.3	46.3	91 100
		12.0	78.9	46.1	77 800
		13.0	77.6	45.9	67 300
		14.0	76.3	45.6	58 800
		15.0	74.9	45.3	51 800
		16.0	73.6	45.0	45 900
		18.0	70.8	44.3	36 500
		20.0	68.0	43.4	29 500
		22.0	65.1	42.5	23 900
		24.0	62.2	41.4	19 400
		26.0	59.1	40.2	15 700
		28.0	56.0	38.8	12 600
		30.0	52.7	37.3	10 000
		32.0	49.3	35.5	7 800
		34.0	45.7	33.6	5 800
4 7 · 2	1 5 5	9.8	82.4	49.7	106 000*
		10.0	82.1	49.6	104 200*
		11.0	80.9	49.5	91 200
		12.0	79.7	49.2	77 900
		13.0	78.4	49.0	67 400
		14.0	77.2	48.8	58 900
		15.0	75.9	48.5	51 800
		16.0	74.7	48.2	45 900
		18.0	72.1	47.5	36 500
		20.0	69.5	46.8	29 400
		22.0	66.9	45.9	23 800
		24.0	64.1	44.9	19 300
		26.0	61.4	43.8	15 600
		28.0	58.5	42.5	12 500
		30.0	55.6	41.1	9 900
		32.0	52.5	39.6	7 600
		34.0	49.3	37.8	5 600
5 0 · 3	1 6 5	9.8	82.9	52.8	91 600*
		10.0	82.6	52.7	91 200*
		11.0	81.5	52.6	89 600*
		12.0	80.3	52.4	78 000
		13.0	79.1	52.1	67 300
		14.0	78.0	51.9	58 800
		15.0	76.8	51.7	51 700
		16.0	75.6	51.4	45 800
		18.0	73.2	50.7	36 400
		20.0	70.8	50.0	29 300
		22.0	68.3	49.2	23 700
		24.0	65.8	48.3	19 200
		26.0	63.3	47.3	15 500
		28.0	60.7	46.1	12 400
		30.0	58.0	44.8	9 800
		32.0	55.2	43.4	7 500
		34.0	52.3	41.9	5 500

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LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

24.4m LUFFING JIB NO. 133A

SET AT 150 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 5 · 9	8 5	6.7	83.0	28.6	133 800*
		7.0	82.3	28.5	133 200*
		7.5	81.2	28.4	132 100*
		8.0	80.1	28.3	130 900*
		8.5	78.9	28.2	129 700*
		9.0	77.8	28.0	127 200
		10.0	75.5	27.7	105 400
		11.0	73.1	27.4	88 300
		12.0	70.8	27.0	75 200
		13.0	68.4	26.6	64 900
		14.0	65.9	26.1	56 500
		15.0	63.4	25.5	49 600
		16.0	60.8	24.9	43 800
		18.0	55.4	23.5	34 500
		20.0	49.5	21.7	27 500
		22.0	43.0	19.6	22 000
		24.0	35.4	16.8	17 600
2 9 · 0	9 5	7.3	82.5	31.6	130 700*
		7.5	82.1	31.5	130 300*
		8.0	81.1	31.4	129 100*
		8.5	80.1	31.3	128 100*
		9.0	79.1	31.2	126 500
		10.0	77.1	30.9	105 900
		11.0	75.0	30.6	88 800
		12.0	72.9	30.3	75 700
		13.0	70.8	29.9	65 300
		14.0	68.6	29.4	56 900
		15.0	66.4	29.0	50 000
		16.0	64.2	28.4	44 100
		18.0	59.6	27.2	34 800
		20.0	54.7	25.8	27 800
		22.0	49.5	24.0	22 300
		24.0	43.7	21.9	17 800
		26.0	37.2	19.3	14 200
3 2 · 0	1 0 5	7.6	82.7	34.6	128 400*
		8.0	82.0	34.5	127 700*
		8.5	81.1	34.4	126 700*
		9.0	80.2	34.3	125 900*
		10.0	78.3	34.1	106 300
		11.0	76.5	33.8	89 200
		12.0	74.6	33.5	76 000
		13.0	72.7	33.1	65 600
		14.0	70.8	32.8	57 200
		15.0	68.8	32.3	50 300
		16.0	66.9	31.9	44 400
		18.0	62.8	30.8	35 100
		20.0	58.6	29.5	28 100
		22.0	54.2	28.1	22 600
		24.0	49.4	26.3	18 100
		26.0	44.3	24.3	14 400
		28.0	38.5	21.8	11 400
		30.0	31.8	18.6	8 800
3 5 · 1	1 1 5	7.9	82.8	37.6	126 500*
		8.0	82.7	37.6	126 400*
		8.5	81.9	37.5	125 600*
		9.0	81.0	37.4	124 900*
		10.0	79.4	37.2	106 800
		11.0	77.7	37.0	89 500
		12.0	76.0	36.7	76 300
		13.0	74.3	36.4	65 900
		14.0	72.5	36.0	57 400
		15.0	70.8	35.6	50 400
		16.0	69.0	35.2	44 500
		18.0	65.4	34.3	35 300
		20.0	61.7	33.2	28 200
		22.0	57.8	31.9	22 600
		24.0	53.7	30.4	18 200
		26.0	49.4	28.6	14 500
		28.0	44.7	26.6	11 500
3 8 · 1	1 2 5	30.0	39.6	24.2	8 800
		32.0	33.8	21.2	6 600
		8.2	82.9	40.7	114 800*
		8.5	82.5	40.6	114 200*
		9.0	81.8	40.5	112 900*
		10.0	80.2	40.3	107 900*
		11.0	78.7	40.1	89 700
		12.0	77.1	39.8	76 400
		13.0	75.6	39.6	66 000
		14.0	74.0	39.2	57 600
		15.0	72.4	38.9	50 600
		16.0	70.8	38.5	44 700
		18.0	67.5	37.7	35 400
		20.0	64.2	36.7	28 300
		22.0	60.7	35.5	22 700
		24.0	57.1	34.2	18 300
		26.0	53.3	32.7	14 600
4 1 · 1	1 3 5	28.0	49.3	30.9	11 500
		30.0	45.1	28.9	8 900
		32.0	40.4	26.6	6 700
		8.5	83.0	43.7	111 900*
		9.0	82.4	43.6	111 000*
		10.0	81.0	43.4	106 800*
		11.0	79.5	43.2	89 800
		12.0	78.1	43.0	76 600
		13.0	76.7	42.7	66 100
		14.0	75.2	42.4	57 700
		15.0	73.8	42.1	50 600
		16.0	72.3	41.8	44 700
		18.0	69.3	41.0	35 400
		20.0	66.2	40.1	28 300
		22.0	63.1	39.0	22 700
		24.0	59.9	37.8	18 200
		26.0	56.5	36.5	14 600
		28.0	53.0	35.0	11 500
		30.0	49.3	33.2	8 900
		32.0	45.4	31.2	6 600

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M-250

BOOM NO. 44 WITH 1524 mm TOP

24.4m LUFFING JIB NO. 133A

SET AT 150 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 4 · 2	1 4 5	9.1	82.7	46.7	108 300*
		10.0	81.6	46.5	105 200*
		11.0	80.3	46.3	90 000
		12.0	78.9	46.1	76 700
		13.0	77.6	45.9	66 300
		14.0	76.3	45.6	57 800
		15.0	74.9	45.3	50 800
		16.0	73.6	45.0	44 900
		18.0	70.8	44.3	35 500
		20.0	68.0	43.4	28 500
		22.0	65.1	42.5	22 900
		24.0	62.2	41.4	18 400
		26.0	59.1	40.2	14 700
		28.0	56.0	38.8	11 600
		30.0	52.7	37.3	9 000
		32.0	49.3	35.5	6 800
4 7 · 2	1 5 5	9.8	82.4	49.7	105 700*
		10.0	82.1	49.6	103 600*
		11.0	80.9	49.5	90 100
		12.0	79.7	49.2	76 800
		13.0	78.4	49.0	66 300
		14.0	77.2	48.8	57 800
		15.0	75.9	48.5	50 800
		16.0	74.7	48.2	44 900
		18.0	72.1	47.5	35 500
		20.0	69.5	46.8	28 400
		22.0	66.9	45.9	22 800
		24.0	64.1	44.9	18 300
		26.0	61.4	43.8	14 600
		28.0	58.5	42.5	11 600
		30.0	55.6	41.1	8 900
		32.0	52.5	39.6	6 700
5 0 · 3	1 6 5	9.8	82.9	52.8	91 900*
		10.0	82.6	52.7	91 500*
		11.0	81.5	52.6	89 800*
		12.0	80.3	52.4	76 900
		13.0	79.1	52.1	66 300
		14.0	78.0	51.9	57 800
		15.0	76.8	51.7	50 800
		16.0	75.6	51.4	44 800
		18.0	73.2	50.7	35 500
		20.0	70.8	50.0	28 300
		22.0	68.3	49.2	22 800
		24.0	65.8	48.3	18 300
		26.0	63.3	47.3	14 600
		28.0	60.7	46.1	11 500
		30.0	58.0	44.8	8 800
		32.0	55.2	43.4	6 600

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LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

27.4m LUFFING JIB NO. 133A

SET AT 150 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 5 · 9	8 5	6.7	83.0	28.6	131 400*
		7.0	82.3	28.5	130 800*
		7.5	81.2	28.4	129 600*
		8.0	80.1	28.3	128 400*
		8.5	78.9	28.2	127 100*
		9.0	77.8	28.0	124 600
		10.0	75.5	27.7	103 000
		11.0	73.1	27.4	86 200
		12.0	70.8	27.0	73 200
		13.0	68.4	26.6	63 000
		14.0	65.9	26.1	54 800
		15.0	63.4	25.5	47 900
		16.0	60.8	24.9	42 100
		18.0	55.4	23.5	33 000
		20.0	49.5	21.7	26 100
		22.0	43.0	19.6	20 700
		24.0	35.4	16.8	16 400
2 9 · 0	9 5	7.3	82.5	31.6	128 400*
		7.5	82.1	31.5	127 900*
		8.0	81.1	31.4	126 700*
		8.5	80.1	31.3	125 600*
		9.0	79.1	31.2	124 000
		10.0	77.1	30.9	103 600
		11.0	75.0	30.6	86 700
		12.0	72.9	30.3	73 700
		13.0	70.8	29.9	63 500
		14.0	68.6	29.4	55 200
		15.0	66.4	29.0	48 300
		16.0	64.2	28.4	42 500
		18.0	59.6	27.2	33 400
		20.0	54.7	25.8	26 400
		22.0	49.5	24.0	21 000
		24.0	43.7	21.9	16 600
		26.0	37.2	19.3	13 000
3 2 · 0	1 0 5	7.6	82.7	34.6	126 100*
		8.0	82.0	34.5	125 400*
		8.5	81.1	34.4	124 400*
		9.0	80.2	34.3	123 500*
		10.0	78.3	34.1	104 000
		11.0	76.5	33.8	87 100
		12.0	74.6	33.5	74 100
		13.0	72.7	33.1	63 800
		14.0	70.8	32.8	55 500
		15.0	68.8	32.3	48 700
		16.0	66.9	31.9	42 800
		18.0	62.8	30.8	33 700
		20.0	58.6	29.5	26 800
		22.0	54.2	28.1	21 300
		24.0	49.4	26.3	16 900
		26.0	44.3	24.3	13 300
		28.0	38.5	21.8	10 300
		30.0	31.8	18.6	7 700
3 5 · 1	1 1 5	7.9	82.8	37.6	124 300*
		8.0	82.7	37.6	124 200*
		8.5	81.9	37.5	123 300*
		9.0	81.0	37.4	122 500*
		10.0	79.4	37.2	104 600
		11.0	77.7	37.0	87 500
		12.0	76.0	36.7	74 400
		13.0	74.3	36.4	64 100
		14.0	72.5	36.0	55 800
		15.0	70.8	35.6	48 900
		16.0	69.0	35.2	43 000
		18.0	65.4	34.3	33 800
		20.0	61.7	33.2	26 900
		22.0	57.8	31.9	21 400
		24.0	53.7	30.4	17 000
		26.0	49.4	28.6	13 400
		28.0	44.7	26.6	10 400
3 8 · 1	1 2 5	30.0	39.6	24.2	7 800
		32.0	33.8	21.2	5 600
		8.2	82.9	40.7	112 600*
		8.5	82.5	40.6	111 900*
		9.0	81.8	40.5	110 700*
		10.0	80.2	40.3	105 700*
		11.0	78.7	40.1	87 700
		12.0	77.1	39.8	74 600
		13.0	75.6	39.6	64 300
		14.0	74.0	39.2	55 900
		15.0	72.4	38.9	49 000
		16.0	70.8	38.5	43 200
		18.0	67.5	37.7	34 000
		20.0	64.2	36.7	27 000
		22.0	60.7	35.5	21 500
		24.0	57.1	34.2	17 100
		26.0	53.3	32.7	13 500
4 1 · 1	1 3 5	28.0	49.3	30.9	10 500
		30.0	45.1	28.9	7 900
		32.0	40.4	26.6	5 700
		8.5	83.0	43.7	109 800*
		9.0	82.4	43.6	108 800*
		10.0	81.0	43.4	104 600*
		11.0	79.5	43.2	87 900
		12.0	78.1	43.0	74 800
		13.0	76.7	42.7	64 400
		14.0	75.2	42.4	56 100
		15.0	73.8	42.1	49 100
		16.0	72.3	41.8	43 300
		18.0	69.3	41.0	34 000
		20.0	66.2	40.1	27 000
		22.0	63.1	39.0	21 600
		24.0	59.9	37.8	17 100
		26.0	56.5	36.5	13 500
		28.0	53.0	35.0	10 400
		30.0	49.3	33.2	7 900
		32.0	45.4	31.2	5 600

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

27.4m LUFFING JIB NO. 133A

SET AT 150 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 4 · 2	1 4 5	9.1	82.7	46.7	106 100*
		10.0	81.6	46.5	103 100*
		11.0	80.3	46.3	88 000
		12.0	78.9	46.1	75 000
		13.0	77.6	45.9	64 600
		14.0	76.3	45.6	56 300
		15.0	74.9	45.3	49 300
		16.0	73.6	45.0	43 500
		18.0	70.8	44.3	34 200
		20.0	68.0	43.4	27 300
		22.0	65.1	42.5	21 700
		24.0	62.2	41.4	17 300
		26.0	59.1	40.2	13 700
		28.0	56.0	38.8	10 600
		30.0	52.7	37.3	8 000
		32.0	49.3	35.5	5 800
4 7 · 2	1 5 5	9.8	82.4	49.7	103 700*
		10.0	82.1	49.6	101 600*
		11.0	80.9	49.5	88 200
		12.0	79.7	49.2	75 100
		13.0	78.4	49.0	64 700
		14.0	77.2	48.8	56 300
		15.0	75.9	48.5	49 400
		16.0	74.7	48.2	43 500
		18.0	72.1	47.5	34 200
		20.0	69.5	46.8	27 200
		22.0	66.9	45.9	21 700
		24.0	64.1	44.9	17 300
		26.0	61.4	43.8	13 600
		28.0	58.5	42.5	10 500
		30.0	55.6	41.1	8 000
		32.0	52.5	39.6	5 700
5 0 · 3	1 6 5	9.8	82.9	52.8	89 900*
		10.0	82.6	52.7	89 500*
		11.0	81.5	52.6	87 800*
		12.0	80.3	52.4	75 200
		13.0	79.1	52.1	64 700
		14.0	78.0	51.9	56 300
		15.0	76.8	51.7	49 300
		16.0	75.6	51.4	43 500
		18.0	73.2	50.7	34 200
		20.0	70.8	50.0	27 200
		22.0	68.3	49.2	21 700
		24.0	65.8	48.3	17 200
		26.0	63.3	47.3	13 500
		28.0	60.7	46.1	10 500
		30.0	58.0	44.8	7 900
		32.0	55.2	43.4	5 600

MANITOWOC ENGINEERING CO.

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LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

30.5m LUFFING JIB NO. 133A

SET AT 160 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 5 · 9	8 5	6.7	83.0	28.6	132 300*
		7.0	82.3	28.5	131 700*
		7.5	81.2	28.4	130 900*
		8.0	80.1	28.3	130 200*
		8.5	78.9	28.2	129 400*
		9.0	77.8	28.0	126 600
		10.0	75.5	27.7	103 700
		11.0	73.1	27.4	86 500
		12.0	70.8	27.0	73 300
		13.0	68.4	26.6	62 900
		14.0	65.9	26.1	54 500
		15.0	63.4	25.5	47 500
		16.0	60.8	24.9	41 600
		18.0	55.4	23.5	32 300
		20.0	49.5	21.7	25 300
		22.0	43.0	19.6	19 700
		24.0	35.4	16.8	15 200
2 9 · 0	9 5	7.3	82.5	31.6	131 300*
		7.5	82.1	31.5	130 800*
		8.0	81.1	31.4	129 500*
		8.5	80.1	31.3	128 300*
		9.0	79.1	31.2	126 100
		10.0	77.1	30.9	104 500
		11.0	75.0	30.6	87 200
		12.0	72.9	30.3	74 000
		13.0	70.8	29.9	63 500
		14.0	68.6	29.4	55 100
		15.0	66.4	29.0	48 100
		16.0	64.2	28.4	42 200
		18.0	59.6	27.2	32 800
		20.0	54.7	25.8	25 800
		22.0	49.5	24.0	20 200
		24.0	43.7	21.9	15 700
		26.0	37.2	19.3	12 000
3 2 · 0	1 0 5	7.6	82.7	34.6	128 800*
		8.0	82.0	34.5	128 000*
		8.5	81.1	34.4	126 900*
		9.0	80.2	34.3	125 500
		10.0	78.3	34.1	105 000
		11.0	76.5	33.8	87 700
		12.0	74.6	33.5	74 500
		13.0	72.7	33.1	64 000
		14.0	70.8	32.8	55 500
		15.0	68.8	32.3	48 500
		16.0	66.9	31.9	42 600
		18.0	62.8	30.8	33 200
		20.0	58.6	29.5	26 200
		22.0	54.2	28.1	20 600
		24.0	49.4	26.3	16 100
		26.0	44.3	24.3	12 400
		28.0	38.5	21.8	9 300
		30.0	31.8	18.6	6 600
3 5 · 1	1 1 5	7.9	82.8	37.6	126 800*
		8.0	82.7	37.6	126 600*
		8.5	81.9	37.5	125 700*
		9.0	81.0	37.4	124 900*
		10.0	79.4	37.2	105 500
		11.0	77.7	37.0	88 200
		12.0	76.0	36.7	74 900
		13.0	74.3	36.4	64 400
		14.0	72.5	36.0	55 900
		15.0	70.8	35.6	48 800
		16.0	69.0	35.2	42 900
		18.0	65.4	34.3	33 600
		20.0	61.7	33.2	26 400
		22.0	57.8	31.9	20 800
		24.0	53.7	30.4	16 300
		26.0	49.4	28.6	12 600
3 8 · 1	1 2 5	28.0	44.7	26.6	9 500
		30.0	39.6	24.2	6 900
		32.0	33.8	21.2	4 600
		8.2	82.9	40.7	116 800*
		8.5	82.5	40.6	116 100*
		9.0	81.8	40.5	114 800*
		10.0	80.2	40.3	107 100
		11.0	78.7	40.1	88 400
		12.0	77.1	39.8	75 100
		13.0	75.6	39.6	64 600
		14.0	74.0	39.2	56 100
		15.0	72.4	38.9	49 100
		16.0	70.8	38.5	43 100
		18.0	67.5	37.7	33 700
		20.0	64.2	36.7	26 700
		22.0	60.7	35.5	21 000
4 1 · 1	1 3 5	24.0	57.1	34.2	16 500
		26.0	53.3	32.7	12 800
		28.0	49.3	30.9	9 700
		30.0	45.1	28.9	7 100
		32.0	40.4	26.6	4 800
		8.5	83.0	43.7	113 700*
		9.0	82.4	43.6	112 700*
		10.0	81.0	43.4	107 600*
		11.0	79.5	43.2	88 700
		12.0	78.1	43.0	75 400
		13.0	76.7	42.7	64 800
		14.0	75.2	42.4	56 300
		15.0	73.8	42.1	49 200
		16.0	72.3	41.8	43 300
		18.0	69.3	41.0	33 900
		20.0	66.2	40.1	26 700
		22.0	63.1	39.0	21 100
		24.0	59.9	37.8	16 600
		26.0	56.5	36.5	12 900
		28.0	53.0	35.0	9 800
		30.0	49.3	33.2	7 100
		32.0	45.4	31.2	4 900

MANITOWOC ENGINEERING CO.

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LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP
30.5m LUFFING JIB NO. 133A
SET AT 160 DEGREE BOOM TO LUFFING JIB ANGLE
75 750 kg COUNTERWEIGHT
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 4 · 2	1 4 5	9.1	82.7	46.7	110 500*
		10.0	81.6	46.5	106 500*
		11.0	80.3	46.3	88 900
		12.0	78.9	46.1	75 600
		13.0	77.6	45.9	65 100
		14.0	76.3	45.6	56 500
		15.0	74.9	45.3	49 500
		16.0	73.6	45.0	43 600
		18.0	70.8	44.3	34 100
		20.0	68.0	43.4	27 000
		22.0	65.1	42.5	21 400
		24.0	62.2	41.4	16 900
		26.0	59.1	40.2	13 100
		28.0	56.0	38.8	10 000
		30.0	52.7	37.3	7 400
		32.0	49.3	35.5	5 100
4 7 · 2	1 5 5	9.8	82.4	49.7	107 000*
		10.0	82.1	49.6	104 000*
		11.0	80.9	49.5	89 200
		12.0	79.7	49.2	75 800
		13.0	78.4	49.0	65 200
		14.0	77.2	48.8	56 600
		15.0	75.9	48.5	49 500
		16.0	74.7	48.2	43 600
		18.0	72.1	47.5	34 100
		20.0	69.5	46.8	27 000
		22.0	66.9	45.9	21 300
		24.0	64.1	44.9	16 900
		26.0	61.4	43.8	13 100
		28.0	58.5	42.5	10 000
		30.0	55.6	41.1	7 300
		32.0	52.5	39.6	5 000
5 0 · 3	1 6 5	9.8	82.9	52.8	94 300*
		10.0	82.6	52.7	93 900*
		11.0	81.5	52.6	89 300
		12.0	80.3	52.4	75 800
		13.0	79.1	52.1	65 200
		14.0	78.0	51.9	56 700
		15.0	76.8	51.7	49 600
		16.0	75.6	51.4	43 600
		18.0	73.2	50.7	34 100
		20.0	70.8	50.0	27 000
		22.0	68.3	49.2	21 300
		24.0	65.8	48.3	16 800
		26.0	63.3	47.3	13 100
		28.0	60.7	46.1	10 000
		30.0	58.0	44.8	7 300
		32.0	55.2	43.4	5 000

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LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

33.5m LUFFING JIB NO. 133A

SET AT 160 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 5 · 9	8 5	6.7	83.0	28.6	130 300*
		7.0	82.3	28.5	129 800*
		7.5	81.2	28.4	128 900*
		8.0	80.1	28.3	128 100*
		8.5	78.9	28.2	127 300*
		9.0	77.8	28.0	124 300
		10.0	75.5	27.7	101 400
		11.0	73.1	27.4	84 400
		12.0	70.8	27.0	71 300
		13.0	68.4	26.6	61 000
		14.0	65.9	26.1	52 700
		15.0	63.4	25.5	45 700
		16.0	60.8	24.9	39 900
		18.0	55.4	23.5	30 700
		20.0	49.5	21.7	23 700
		22.0	43.0	19.6	18 200
		24.0	35.4	16.8	13 800
2 9 · 0	9 5	7.3	82.5	31.6	129 400*
		7.5	82.1	31.5	128 900*
		8.0	81.1	31.4	127 600*
		8.5	80.1	31.3	126 400*
		9.0	79.1	31.2	123 900
		10.0	77.1	30.9	102 200
		11.0	75.0	30.6	85 200
		12.0	72.9	30.3	72 100
		13.0	70.8	29.9	61 700
		14.0	68.6	29.4	53 300
		15.0	66.4	29.0	46 400
		16.0	64.2	28.4	40 500
		18.0	59.6	27.2	31 300
		20.0	54.7	25.8	24 300
		22.0	49.5	24.0	18 800
		24.0	43.7	21.9	14 400
		26.0	37.2	19.3	10 700
3 2 · 0	1 0 5	7.6	82.7	34.6	127 000*
		8.0	82.0	34.5	126 100*
		8.5	81.1	34.4	125 000*
		9.0	80.2	34.3	123 400
		10.0	78.3	34.1	102 800
		11.0	76.5	33.8	85 700
		12.0	74.6	33.5	72 600
		13.0	72.7	33.1	62 200
		14.0	70.8	32.8	53 900
		15.0	68.8	32.3	46 900
		16.0	66.9	31.9	41 000
		18.0	62.8	30.8	31 800
		20.0	58.6	29.5	24 800
		22.0	54.2	28.1	19 200
		24.0	49.4	26.3	14 800
		26.0	44.3	24.3	11 100
		28.0	38.5	21.8	8 100
		30.0	31.8	18.6	5 500
3 5 · 1	1 1 5	7.9	82.8	37.6	125 000*
		8.0	82.7	37.6	124 900*
		8.5	81.9	37.5	123 900*
		9.0	81.0	37.4	123 000*
		10.0	79.4	37.2	103 400
		11.0	77.7	37.0	86 200
		12.0	76.0	36.7	73 100
		13.0	74.3	36.4	62 700
		14.0	72.5	36.0	54 300
		15.0	70.8	35.6	47 300
		16.0	69.0	35.2	41 400
		18.0	65.4	34.3	32 100
		20.0	61.7	33.2	25 100
		22.0	57.8	31.9	19 500
		24.0	53.7	30.4	15 100
		26.0	49.4	28.6	11 400
		28.0	44.7	26.6	8 300
		30.0	39.6	24.2	5 700
3 8 · 1	1 2 5	8.2	82.9	40.7	115 100*
		8.5	82.5	40.6	114 400*
		9.0	81.8	40.5	113 100*
		10.0	80.2	40.3	105 000
		11.0	78.7	40.1	86 500
		12.0	77.1	39.8	73 400
		13.0	75.6	39.6	63 000
		14.0	74.0	39.2	54 500
		15.0	72.4	38.9	47 600
		16.0	70.8	38.5	41 700
		18.0	67.5	37.7	32 400
		20.0	64.2	36.7	25 300
		22.0	60.7	35.5	19 800
		24.0	57.1	34.2	15 300
		26.0	53.3	32.7	11 600
		28.0	49.3	30.9	8 600
		30.0	45.1	28.9	6 000
4 1 · 1	1 3 5	8.5	83.0	43.7	112 000*
		9.0	82.4	43.6	111 000*
		10.0	81.0	43.4	105 600
		11.0	79.5	43.2	86 900
		12.0	78.1	43.0	73 700
		13.0	76.7	42.7	63 200
		14.0	75.2	42.4	54 800
		15.0	73.8	42.1	47 800
		16.0	72.3	41.8	41 800
		18.0	69.3	41.0	32 500
		20.0	66.2	40.1	25 400
		22.0	63.1	39.0	19 900
		24.0	59.9	37.8	15 400
		26.0	56.5	36.5	11 700
		28.0	53.0	35.0	8 600
		30.0	49.3	33.2	6 000

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

33.5m LUFFING JIB NO. 133A

SET AT 160 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 4 · 2	1 4 5	9.1	82.7	46.7	108 100*
		10.0	81.6	46.5	104 200*
		11.0	80.3	46.3	87 100
		12.0	78.9	46.1	73 900
		13.0	77.6	45.9	63 500
		14.0	76.3	45.6	55 000
		15.0	74.9	45.3	48 000
		16.0	73.6	45.0	42 100
		18.0	70.8	44.3	32 800
		20.0	68.0	43.4	25 700
		22.0	65.1	42.5	20 200
		24.0	62.2	41.4	15 700
		26.0	59.1	40.2	12 000
		28.0	56.0	38.8	8 900
		30.0	52.7	37.3	6 300
4 7 · 2	1 5 5	9.8	82.4	49.7	105 400*
		10.0	82.1	49.6	102 300*
		11.0	80.9	49.5	87 400
		12.0	79.7	49.2	74 100
		13.0	78.4	49.0	63 600
		14.0	77.2	48.8	55 100
		15.0	75.9	48.5	48 100
		16.0	74.7	48.2	42 200
		18.0	72.1	47.5	32 900
		20.0	69.5	46.8	25 700
		22.0	66.9	45.9	20 200
		24.0	64.1	44.9	15 700
		26.0	61.4	43.8	12 000
		28.0	58.5	42.5	8 900
		30.0	55.6	41.1	6 300
5 0 · 3	1 6 5	9.8	82.9	52.8	92 800*
		10.0	82.6	52.7	92 300*
		11.0	81.5	52.6	87 600
		12.0	80.3	52.4	74 200
		13.0	79.1	52.1	63 700
		14.0	78.0	51.9	55 200
		15.0	76.8	51.7	48 200
		16.0	75.6	51.4	42 300
		18.0	73.2	50.7	32 900
		20.0	70.8	50.0	25 800
		22.0	68.3	49.2	20 200
		24.0	65.8	48.3	15 700
		26.0	63.3	47.3	12 000
		28.0	60.7	46.1	8 900
		30.0	58.0	44.8	6 300

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

36.6m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 5 · 9	8 5	6.7	83.0	28.6	131 800*	3 5 · 1	1 1 5	7.9	82.8	37.6	127 700*
		7.0	82.3	28.5	131 200*			8.0	82.7	37.6	127 600*
		7.5	81.2	28.4	130 200*			8.5	81.9	37.5	126 600*
		8.0	80.1	28.3	129 300*			9.0	81.0	37.4	125 500
		8.5	78.9	28.2	128 400*			10.0	79.4	37.2	105 100
		9.0	77.8	28.0	125 700			11.0	77.7	37.0	87 500
		10.0	75.5	27.7	102 800			12.0	76.0	36.7	74 100
		11.0	73.1	27.4	85 400			13.0	74.3	36.4	63 400
		12.0	70.8	27.0	72 000			14.0	72.5	36.0	54 800
		13.0	68.4	26.6	61 400			15.0	70.8	35.6	47 600
		14.0	65.9	26.1	52 800			16.0	69.0	35.2	41 600
		15.0	63.4	25.5	45 700			18.0	65.4	34.3	32 100
		16.0	60.8	24.9	39 800			20.0	61.7	33.2	24 900
		18.0	55.4	23.5	30 300			22.0	57.8	31.9	19 200
		20.0	49.5	21.7	23 100			24.0	53.7	30.4	14 600
		22.0	43.0	19.6	17 400			26.0	49.4	28.6	10 800
		24.0	35.4	16.8	12 800			28.0	44.7	26.6	7 700
2 9 · 0	9 5	7.3	82.5	31.6	131 700*	3 8 · 1	1 2 5	8.2	82.9	40.7	119 200*
		7.5	82.1	31.5	131 400*			8.5	82.5	40.6	118 300*
		8.0	81.1	31.4	130 300*			9.0	81.8	40.5	116 900*
		8.5	80.1	31.3	129 200*			10.0	80.2	40.3	106 600
		9.0	79.1	31.2	126 400			11.0	78.7	40.1	87 900
		10.0	77.1	30.9	103 700			12.0	77.1	39.8	74 400
		11.0	75.0	30.6	86 300			13.0	75.6	39.6	63 800
		12.0	72.9	30.3	72 800			14.0	74.0	39.2	55 100
		13.0	70.8	29.9	62 200			15.0	72.4	38.9	48 000
		14.0	68.6	29.4	53 600			16.0	70.8	38.5	41 900
		15.0	66.4	29.0	46 500			18.0	67.5	37.7	32 400
		16.0	64.2	28.4	40 500			20.0	64.2	36.7	25 200
		18.0	59.6	27.2	31 000			22.0	60.7	35.5	19 500
		20.0	54.7	25.8	23 800			24.0	57.1	34.2	14 900
		22.0	49.5	24.0	18 100			26.0	53.3	32.7	11 200
		24.0	43.7	21.9	13 600			28.0	49.3	30.9	8 000
		26.0	37.2	19.3	9 800			30.0	45.1	28.9	5 300
3 2 · 0	1 0 5	7.6	82.7	34.6	129 900*	4 1 · 1	1 3 5	8.5	83.0	43.7	115 800*
		8.0	82.0	34.5	128 900*			9.0	82.4	43.6	114 700*
		8.5	81.1	34.4	127 800*			10.0	81.0	43.4	107 300
		9.0	80.2	34.3	125 900			11.0	79.5	43.2	88 300
		10.0	78.3	34.1	104 500			12.0	78.1	43.0	74 700
		11.0	76.5	33.8	86 900			13.0	76.7	42.7	64 100
		12.0	74.6	33.5	73 500			14.0	75.2	42.4	55 400
		13.0	72.7	33.1	62 900			15.0	73.8	42.1	48 300
		14.0	70.8	32.8	54 300			16.0	72.3	41.8	42 200
		15.0	68.8	32.3	47 200			18.0	69.3	41.0	32 700
		16.0	66.9	31.9	41 100			20.0	66.2	40.1	25 400
		18.0	62.8	30.8	31 600			22.0	63.1	39.0	19 700
		20.0	58.6	29.5	24 400			24.0	59.9	37.8	15 100
		22.0	54.2	28.1	18 700			26.0	56.5	36.5	11 400
		24.0	49.4	26.3	14 200			28.0	53.0	35.0	8 200
		26.0	44.3	24.3	10 400			30.0	49.3	33.2	5 500
		28.0	38.5	21.8	7 300						

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

36.6m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 4 · 2	1 4 5	9.1	82.7	46.7	112 400*
		10.0	81.6	46.5	107 600*
		11.0	80.3	46.3	88 600
		12.0	78.9	46.1	75 100
		13.0	77.6	45.9	64 400
		14.0	76.3	45.6	55 800
		15.0	74.9	45.3	48 600
		16.0	73.6	45.0	42 500
		18.0	70.8	44.3	33 000
		20.0	68.0	43.4	25 700
		22.0	65.1	42.5	20 000
		24.0	62.2	41.4	15 500
		26.0	59.1	40.2	11 700
		28.0	56.0	38.8	8 500
		30.0	52.7	37.3	5 800
4 7 · 2	1 5 5	9.8	82.4	49.7	108 700*
		10.0	82.1	49.6	105 000*
		11.0	80.9	49.5	88 900
		12.0	79.7	49.2	75 300
		13.0	78.4	49.0	64 600
		14.0	77.2	48.8	55 900
		15.0	75.9	48.5	48 700
		16.0	74.7	48.2	42 700
		18.0	72.1	47.5	33 100
		20.0	69.5	46.8	25 800
		22.0	66.9	45.9	20 100
		24.0	64.1	44.9	15 500
		26.0	61.4	43.8	11 800
		28.0	58.5	42.5	8 600
		30.0	55.6	41.1	5 900
5 0 · 3	1 6 5	9.8	82.9	52.8	97 800*
		10.0	82.6	52.7	97 300*
		11.0	81.5	52.6	89 100
		12.0	80.3	52.4	75 400
		13.0	79.1	52.1	64 700
		14.0	78.0	51.9	56 000
		15.0	76.8	51.7	48 800
		16.0	75.6	51.4	42 800
		18.0	73.2	50.7	33 200
		20.0	70.8	50.0	25 900
		22.0	68.3	49.2	20 200
		24.0	65.8	48.3	15 600
		26.0	63.3	47.3	11 800
		28.0	60.7	46.1	8 600
		30.0	58.0	44.8	5 900

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

39.6m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 5 · 9	8 5	6.7	83.0	28.6	130 600*
		7.0	82.3	28.5	129 900*
		7.5	81.2	28.4	128 900*
		8.0	80.1	28.3	127 900*
		8.5	78.9	28.2	127 000*
		9.0	77.8	28.0	124 100
		10.0	75.5	27.7	101 100
		11.0	73.1	27.4	83 900
		12.0	70.8	27.0	70 500
		13.0	68.4	26.6	60 000
		14.0	65.9	26.1	51 500
		15.0	63.4	25.5	44 400
		16.0	60.8	24.9	38 500
		18.0	55.4	23.5	29 100
		20.0	49.5	21.7	21 900
		22.0	43.0	19.6	16 300
		24.0	35.4	16.8	11 700
2 9 · 0	9 5	7.3	82.5	31.6	130 500*
		7.5	82.1	31.5	130 100*
		8.0	81.1	31.4	129 100*
		8.5	80.1	31.3	127 900*
		9.0	79.1	31.2	124 900
		10.0	77.1	30.9	102 200
		11.0	75.0	30.6	84 800
		12.0	72.9	30.3	71 500
		13.0	70.8	29.9	60 900
		14.0	68.6	29.4	52 400
		15.0	66.4	29.0	45 300
		16.0	64.2	28.4	39 300
		18.0	59.6	27.2	29 900
		20.0	54.7	25.8	22 700
		22.0	49.5	24.0	17 100
		24.0	43.7	21.9	12 600
		26.0	37.2	19.3	8 800
3 2 · 0	1 0 5	7.6	82.7	34.6	128 700*
		8.0	82.0	34.5	127 800*
		8.5	81.1	34.4	126 500*
		9.0	80.2	34.3	124 500
		10.0	78.3	34.1	102 900
		11.0	76.5	33.8	85 500
		12.0	74.6	33.5	72 200
		13.0	72.7	33.1	61 600
		14.0	70.8	32.8	53 100
		15.0	68.8	32.3	46 000
		16.0	66.9	31.9	40 000
		18.0	62.8	30.8	30 600
		20.0	58.6	29.5	23 400
		22.0	54.2	28.1	17 800
		24.0	49.4	26.3	13 200
		26.0	44.3	24.3	9 500
		28.0	38.5	21.8	6 400
3 5 · 1	1 1 5	7.9	82.8	37.6	126 600*
		8.0	82.7	37.6	126 400*
		8.5	81.9	37.5	125 400*
		9.0	81.0	37.4	124 200
		10.0	79.4	37.2	103 700
		11.0	77.7	37.0	86 200
		12.0	76.0	36.7	72 800
		13.0	74.3	36.4	62 200
		14.0	72.5	36.0	53 600
		15.0	70.8	35.6	46 500
		16.0	69.0	35.2	40 500
		18.0	65.4	34.3	31 100
		20.0	61.7	33.2	23 900
		22.0	57.8	31.9	18 300
		24.0	53.7	30.4	13 700
		26.0	49.4	28.6	10 000
		28.0	44.7	26.6	6 800
3 8 · 1	1 2 5	8.2	82.9	40.7	118 100*
		8.5	82.5	40.6	117 300*
		9.0	81.8	40.5	115 900*
		10.0	80.2	40.3	105 100
		11.0	78.7	40.1	86 600
		12.0	77.1	39.8	73 200
		13.0	75.6	39.6	62 600
		14.0	74.0	39.2	54 000
		15.0	72.4	38.9	46 900
		16.0	70.8	38.5	40 900
		18.0	67.5	37.7	31 400
		20.0	64.2	36.7	24 300
		22.0	60.7	35.5	18 600
		24.0	57.1	34.2	14 100
		26.0	53.3	32.7	10 300
		28.0	49.3	30.9	7 200
4 1 · 1	1 3 5	8.5	83.0	43.7	114 800*
		9.0	82.4	43.6	113 600*
		10.0	81.0	43.4	105 900
		11.0	79.5	43.2	87 000
		12.0	78.1	43.0	73 600
		13.0	76.7	42.7	63 000
		14.0	75.2	42.4	54 400
		15.0	73.8	42.1	47 200
		16.0	72.3	41.8	41 200
		18.0	69.3	41.0	31 700
		20.0	66.2	40.1	24 500
		22.0	63.1	39.0	18 800
		24.0	59.9	37.8	14 300
		26.0	56.5	36.5	10 500
		28.0	53.0	35.0	7 400

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

39.6m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 4 · 2	1 4 5	9.1	82.7	46.7	111 400*
		10.0	81.6	46.5	106 500
		11.0	80.3	46.3	87 400
		12.0	78.9	46.1	73 900
		13.0	77.6	45.9	63 300
		14.0	76.3	45.6	54 700
		15.0	74.9	45.3	47 600
		16.0	73.6	45.0	41 500
		18.0	70.8	44.3	32 100
		20.0	68.0	43.4	24 900
		22.0	65.1	42.5	19 200
		24.0	62.2	41.4	14 600
		26.0	59.1	40.2	10 900
		28.0	56.0	38.8	7 800
		30.0	52.7	37.3	5 100
4 7 · 2	1 5 5	9.8	82.4	49.7	107 700*
		10.0	82.1	49.6	103 900*
		11.0	80.9	49.5	87 700
		12.0	79.7	49.2	74 200
		13.0	78.4	49.0	63 500
		14.0	77.2	48.8	54 900
		15.0	75.9	48.5	47 800
		16.0	74.7	48.2	41 700
		18.0	72.1	47.5	32 200
		20.0	69.5	46.8	25 000
		22.0	66.9	45.9	19 300
		24.0	64.1	44.9	14 700
		26.0	61.4	43.8	11 000
		28.0	58.5	42.5	7 900
		30.0	55.6	41.1	5 200
5 0 · 3	1 6 5	9.8	82.9	52.8	96 900*
		10.0	82.6	52.7	96 400*
		11.0	81.5	52.6	87 900
		12.0	80.3	52.4	74 300
		13.0	79.1	52.1	63 700
		14.0	78.0	51.9	55 000
		15.0	76.8	51.7	47 900
		16.0	75.6	51.4	41 800
		18.0	73.2	50.7	32 300
		20.0	70.8	50.0	25 100
		22.0	68.3	49.2	19 400
		24.0	65.8	48.3	14 800
		26.0	63.3	47.3	11 100
		28.0	60.7	46.1	7 900
		30.0	58.0	44.8	5 200

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

42.7m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 5 · 9	8 5	6.7	83.0	28.6	128 500*
		7.0	82.3	28.5	127 800*
		7.5	81.2	28.4	126 700*
		8.0	80.1	28.3	125 700*
		8.5	78.9	28.2	124 700*
		9.0	77.8	28.0	121 800
		10.0	75.5	27.7	99 000
		11.0	73.1	27.4	81 800
		12.0	70.8	27.0	68 500
		13.0	68.4	26.6	58 100
		14.0	65.9	26.1	49 600
		15.0	63.4	25.5	42 600
		16.0	60.8	24.9	36 700
		18.0	55.4	23.5	27 300
		20.0	49.5	21.7	20 300
		22.0	43.0	19.6	14 600
		24.0	35.4	16.8	10 100
2 9 · 0	9 5	7.3	82.5	31.6	128 500*
		7.5	82.1	31.5	128 100*
		8.0	81.1	31.4	127 000*
		8.5	80.1	31.3	125 800*
		9.0	79.1	31.2	122 800
		10.0	77.1	30.9	100 100
		11.0	75.0	30.6	82 900
		12.0	72.9	30.3	69 600
		13.0	70.8	29.9	59 100
		14.0	68.6	29.4	50 600
		15.0	66.4	29.0	43 600
		16.0	64.2	28.4	37 700
		18.0	59.6	27.2	28 200
		20.0	54.7	25.8	21 200
		22.0	49.5	24.0	15 500
		24.0	43.7	21.9	11 100
		26.0	37.2	19.3	7 300
3 2 · 0	1 0 5	7.6	82.7	34.6	126 900*
		8.0	82.0	34.5	125 900*
		8.5	81.1	34.4	124 600*
		9.0	80.2	34.3	122 400
		10.0	78.3	34.1	101 000
		11.0	76.5	33.8	83 700
		12.0	74.6	33.5	70 400
		13.0	72.7	33.1	59 900
		14.0	70.8	32.8	51 400
		15.0	68.8	32.3	44 400
		16.0	66.9	31.9	38 400
		18.0	62.8	30.8	29 000
		20.0	58.6	29.5	21 900
		22.0	54.2	28.1	16 300
		24.0	49.4	26.3	11 800
		26.0	44.3	24.3	8 100
3 5 · 1	1 1 5	7.9	82.8	37.6	124 800*
		8.0	82.7	37.6	124 600*
		8.5	81.9	37.5	123 500*
		9.0	81.0	37.4	122 200
		10.0	79.4	37.2	101 700
		11.0	77.7	37.0	84 400
		12.0	76.0	36.7	71 100
		13.0	74.3	36.4	60 500
		14.0	72.5	36.0	52 000
		15.0	70.8	35.6	45 000
		16.0	69.0	35.2	39 000
		18.0	65.4	34.3	29 600
		20.0	61.7	33.2	22 400
		22.0	57.8	31.9	16 800
		24.0	53.7	30.4	12 300
		26.0	49.4	28.6	8 600
3 8 · 1	1 2 5	8.2	82.9	40.7	116 400*
		8.5	82.5	40.6	115 600*
		9.0	81.8	40.5	114 200*
		10.0	80.2	40.3	103 300
		11.0	78.7	40.1	84 900
		12.0	77.1	39.8	71 600
		13.0	75.6	39.6	61 000
		14.0	74.0	39.2	52 500
		15.0	72.4	38.9	45 400
		16.0	70.8	38.5	39 400
		18.0	67.5	37.7	30 000
		20.0	64.2	36.7	22 900
		22.0	60.7	35.5	17 300
		24.0	57.1	34.2	12 700
		26.0	53.3	32.7	9 000
		28.0	49.3	30.9	5 900
4 1 · 1	1 3 5	8.5	83.0	43.7	113 200*
		9.0	82.4	43.6	112 000*
		10.0	81.0	43.4	104 100
		11.0	79.5	43.2	85 400
		12.0	78.1	43.0	72 000
		13.0	76.7	42.7	61 400
		14.0	75.2	42.4	52 800
		15.0	73.8	42.1	45 700
		16.0	72.3	41.8	39 800
		18.0	69.3	41.0	30 300
		20.0	66.2	40.1	23 200
		22.0	63.1	39.0	17 500
		24.0	59.9	37.8	13 000
		26.0	56.5	36.5	9 300
		28.0	53.0	35.0	6 100

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

42.7m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 4 · 2	1 4 · 5	9.1	82.7	46.7	109 700*
		10.0	81.6	46.5	104 800
		11.0	80.3	46.3	85 700
		12.0	78.9	46.1	72 400
		13.0	77.6	45.9	61 800
		14.0	76.3	45.6	53 200
		15.0	74.9	45.3	46 100
		16.0	73.6	45.0	40 200
		18.0	70.8	44.3	30 700
		20.0	68.0	43.4	23 600
		22.0	65.1	42.5	17 900
		24.0	62.2	41.4	13 400
		26.0	59.1	40.2	9 700
		28.0	56.0	38.8	6 600
4 7 · 2	1 5 · 5	9.8	82.4	49.7	106 000*
		10.0	82.1	49.6	102 200*
		11.0	80.9	49.5	86 100
		12.0	79.7	49.2	72 700
		13.0	78.4	49.0	62 100
		14.0	77.2	48.8	53 500
		15.0	75.9	48.5	46 400
		16.0	74.7	48.2	40 400
		18.0	72.1	47.5	30 900
		20.0	69.5	46.8	23 700
		22.0	66.9	45.9	18 100
		24.0	64.1	44.9	13 500
		26.0	61.4	43.8	9 800
		28.0	58.5	42.5	6 700
5 0 · 3	1 6 · 5	9.8	82.9	52.8	95 400*
		10.0	82.6	52.7	94 900*
		11.0	81.5	52.6	86 300
		12.0	80.3	52.4	72 800
		13.0	79.1	52.1	62 200
		14.0	78.0	51.9	53 600
		15.0	76.8	51.7	46 500
		16.0	75.6	51.4	40 500
		18.0	73.2	50.7	31 000
		20.0	70.8	50.0	23 800
		22.0	68.3	49.2	18 200
		24.0	65.8	48.3	13 600
		26.0	63.3	47.3	9 900
		28.0	60.7	46.1	6 800

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

45.7m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 5 · 9	8 5	6.7	83.0	28.6	126 800*
		7.0	82.3	28.5	126 000*
		7.5	81.2	28.4	124 800*
		8.0	80.1	28.3	123 700*
		8.5	78.9	28.2	122 600*
		9.0	77.8	28.0	119 600
		10.0	75.5	27.7	96 900
		11.0	73.1	27.4	79 700
		12.0	70.8	27.0	66 600
		13.0	68.4	26.6	56 200
		14.0	65.9	26.1	47 800
		15.0	63.4	25.5	40 800
		16.0	60.8	24.9	34 900
		18.0	55.4	23.5	25 700
		20.0	49.5	21.7	18 600
		22.0	43.0	19.6	13 100
		24.0	35.4	16.8	8 600
2 9 · 0	9 5	7.3	82.5	31.6	126 700*
		7.5	82.1	31.5	126 300*
		8.0	81.1	31.4	125 200*
		8.5	80.1	31.3	124 000*
		9.0	79.1	31.2	120 800
		10.0	77.1	30.9	98 100
		11.0	75.0	30.6	80 900
		12.0	72.9	30.3	67 700
		13.0	70.8	29.9	57 300
		14.0	68.6	29.4	48 900
		15.0	66.4	29.0	41 900
		16.0	64.2	28.4	36 000
		18.0	59.6	27.2	26 700
		20.0	54.7	25.8	19 600
		22.0	49.5	24.0	14 100
		24.0	43.7	21.9	9 600
3 2 · 0	1 0 5	7.6	82.7	34.6	125 200*
		8.0	82.0	34.5	124 200*
		8.5	81.1	34.4	122 900*
		9.0	80.2	34.3	120 500
		10.0	78.3	34.1	99 000
		11.0	76.5	33.8	81 800
		12.0	74.6	33.5	68 600
		13.0	72.7	33.1	58 200
		14.0	70.8	32.8	49 700
		15.0	68.8	32.3	42 700
		16.0	66.9	31.9	36 900
		18.0	62.8	30.8	27 500
		20.0	58.6	29.5	20 400
		22.0	54.2	28.1	14 900
		24.0	49.4	26.3	10 400
		26.0	44.3	24.3	6 700
3 5 · 1	1 1 5	7.9	82.8	37.6	123 100*
		8.0	82.7	37.6	123 000*
		8.5	81.9	37.5	121 900*
		9.0	81.0	37.4	120 400
		10.0	79.4	37.2	99 800
		11.0	77.7	37.0	82 600
		12.0	76.0	36.7	69 300
		13.0	74.3	36.4	58 900
		14.0	72.5	36.0	50 400
		15.0	70.8	35.6	43 400
		16.0	69.0	35.2	37 500
		18.0	65.4	34.3	28 100
		20.0	61.7	33.2	21 100
		22.0	57.8	31.9	15 500
		24.0	53.7	30.4	11 000
		26.0	49.4	28.6	7 300
3 8 · 1	1 2 5	8.2	82.9	40.7	115 000*
		8.5	82.5	40.6	114 200*
		9.0	81.8	40.5	112 700*
		10.0	80.2	40.3	101 300
		11.0	78.7	40.1	83 100
		12.0	77.1	39.8	69 900
		13.0	75.6	39.6	59 400
		14.0	74.0	39.2	51 000
		15.0	72.4	38.9	43 900
		16.0	70.8	38.5	38 000
		18.0	67.5	37.7	28 600
		20.0	64.2	36.7	21 500
		22.0	60.7	35.5	16 000
		24.0	57.1	34.2	11 500
		26.0	53.3	32.7	7 800
4 1 · 1	1 3 5	8.5	83.0	43.7	111 700*
		9.0	82.4	43.6	110 500*
		10.0	81.0	43.4	102 200
		11.0	79.5	43.2	83 600
		12.0	78.1	43.0	70 400
		13.0	76.7	42.7	59 900
		14.0	75.2	42.4	51 400
		15.0	73.8	42.1	44 300
		16.0	72.3	41.8	38 400
		18.0	69.3	41.0	29 000
		20.0	66.2	40.1	21 900
		22.0	63.1	39.0	16 300
		24.0	59.9	37.8	11 800
		26.0	56.5	36.5	8 100

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

45.7m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 4 · 2	1 4 5	9.1	82.7	46.7	107 500*
		10.0	81.6	46.5	102 800*
		11.0	80.3	46.3	84 100
		12.0	78.9	46.1	70 800
		13.0	77.6	45.9	60 300
	1 4 5	14.0	76.3	45.6	51 800
		15.0	74.9	45.3	44 800
		16.0	73.6	45.0	38 800
		18.0	70.8	44.3	29 400
		20.0	68.0	43.4	22 300
		22.0	65.1	42.5	16 700
		24.0	62.2	41.4	12 200
		26.0	59.1	40.2	8 500
4 7 · 2	1 5 5	9.8	82.4	49.7	104 600*
		10.0	82.1	49.6	100 700*
		11.0	80.9	49.5	84 400
		12.0	79.7	49.2	71 100
		13.0	78.4	49.0	60 600
	1 5 5	14.0	77.2	48.8	52 000
		15.0	75.9	48.5	45 000
		16.0	74.7	48.2	39 000
		18.0	72.1	47.5	29 600
		20.0	69.5	46.8	22 500
		22.0	66.9	45.9	16 900
		24.0	64.1	44.9	12 400
		26.0	61.4	43.8	8 700
5 0 · 3	1 6 5	9.8	82.9	52.8	93 200*
		10.0	82.6	52.7	92 700*
		11.0	81.5	52.6	84 700
		12.0	80.3	52.4	71 300
		13.0	79.1	52.1	60 800
	1 6 5	14.0	78.0	51.9	52 300
		15.0	76.8	51.7	45 200
		16.0	75.6	51.4	39 200
		18.0	73.2	50.7	29 800
		20.0	70.8	50.0	22 700
		22.0	68.3	49.2	17 100
		24.0	65.8	48.3	12 500
		26.0	63.3	47.3	8 800

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

48.8m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 5 · 9	8 5	6.7	83.0	28.6	124 600*
		7.0	82.3	28.5	123 800*
		7.5	81.2	28.4	122 500*
		8.0	80.1	28.3	121 300*
		8.5	78.9	28.2	120 100*
		9.0	77.8	28.0	117 100
		10.0	75.5	27.7	94 500
		11.0	73.1	27.4	77 500
		12.0	70.8	27.0	64 500
		13.0	68.4	26.6	54 100
		14.0	65.9	26.1	45 800
		15.0	63.4	25.5	38 900
		16.0	60.8	24.9	33 000
		18.0	55.4	23.5	23 800
		20.0	49.5	21.7	16 800
		22.0	43.0	19.6	11 300
		24.0	35.4	16.8	6 900
2 9 · 0	9 5	7.3	82.5	31.6	124 500*
		7.5	82.1	31.5	124 100*
		8.0	81.1	31.4	122 900*
		8.5	80.1	31.3	121 700*
		9.0	79.1	31.2	118 500
		10.0	77.1	30.9	95 900
		11.0	75.0	30.6	78 800
		12.0	72.9	30.3	65 700
		13.0	70.8	29.9	55 400
		14.0	68.6	29.4	47 000
		15.0	66.4	29.0	40 000
		16.0	64.2	28.4	34 200
		18.0	59.6	27.2	24 900
		20.0	54.7	25.8	18 000
		22.0	49.5	24.0	12 400
		24.0	43.7	21.9	8 000
3 2 · 0	1 0 5	7.6	82.7	34.6	123 200*
		8.0	82.0	34.5	122 200*
		8.5	81.1	34.4	120 800*
		9.0	80.2	34.3	118 400
		10.0	78.3	34.1	96 900
		11.0	76.5	33.8	79 800
		12.0	74.6	33.5	66 700
		13.0	72.7	33.1	56 400
		14.0	70.8	32.8	48 000
		15.0	68.8	32.3	41 000
		16.0	66.9	31.9	35 100
		18.0	62.8	30.8	25 900
		20.0	58.6	29.5	18 900
		22.0	54.2	28.1	13 400
		24.0	49.4	26.3	8 900
3 5 · 1	1 1 5	7.9	82.8	37.6	120 800*
		8.0	82.7	37.6	120 700*
		8.5	81.9	37.5	119 500*
		9.0	81.0	37.4	118 000
		10.0	79.4	37.2	97 800
		11.0	77.7	37.0	80 600
		12.0	76.0	36.7	67 500
		13.0	74.3	36.4	57 100
		14.0	72.5	36.0	48 700
		15.0	70.8	35.6	41 700
		16.0	69.0	35.2	35 800
		18.0	65.4	34.3	26 500
		20.0	61.7	33.2	19 500
		22.0	57.8	31.9	14 000
		24.0	53.7	30.4	9 500
3 8 · 1	1 2 5	8.2	82.9	40.7	113 300*
		8.5	82.5	40.6	112 400*
		9.0	81.8	40.5	110 900*
		10.0	80.2	40.3	99 300
		11.0	78.7	40.1	81 300
		12.0	77.1	39.8	68 100
		13.0	75.6	39.6	57 700
		14.0	74.0	39.2	49 300
		15.0	72.4	38.9	42 300
		16.0	70.8	38.5	36 400
		18.0	67.5	37.7	27 100
		20.0	64.2	36.7	20 100
		22.0	60.7	35.5	14 500
		24.0	57.1	34.2	10 100
4 1 · 1	1 3 5	8.5	83.0	43.7	110 000*
		9.0	82.4	43.6	108 800*
		10.0	81.0	43.4	100 200
		11.0	79.5	43.2	81 800
		12.0	78.1	43.0	68 600
		13.0	76.7	42.7	58 200
		14.0	75.2	42.4	49 700
		15.0	73.8	42.1	42 700
		16.0	72.3	41.8	36 800
		18.0	69.3	41.0	27 500
		20.0	66.2	40.1	20 400
		22.0	63.1	39.0	14 900
		24.0	59.9	37.8	10 400
		26.0	56.5	36.5	6 700

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

48.8m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 4 · 2	1 4 5	9.1	82.7	46.7	105 900*
		10.0	81.6	46.5	101 100*
		11.0	80.3	46.3	82 300
		12.0	78.9	46.1	69 100
		13.0	77.6	45.9	58 600
	1 4 5	14.0	76.3	45.6	50 200
		15.0	74.9	45.3	43 200
		16.0	73.6	45.0	37 300
		18.0	70.8	44.3	28 000
		20.0	68.0	43.4	20 900
		22.0	65.1	42.5	15 400
		24.0	62.2	41.4	10 900
		26.0	59.1	40.2	7 200
4 7 · 2	1 5 5	9.8	82.4	49.7	102 900*
		10.0	82.1	49.6	99 000*
		11.0	80.9	49.5	82 700
		12.0	79.7	49.2	69 500
		13.0	78.4	49.0	59 000
	1 5 5	14.0	77.2	48.8	50 500
		15.0	75.9	48.5	43 500
		16.0	74.7	48.2	37 600
		18.0	72.1	47.5	28 200
		20.0	69.5	46.8	21 200
		22.0	66.9	45.9	15 600
		24.0	64.1	44.9	11 100
		26.0	61.4	43.8	7 500
5 0 · 3	1 6 5	9.8	82.9	52.8	91 700*
		10.0	82.6	52.7	91 200*
		11.0	81.5	52.6	83 000
		12.0	80.3	52.4	69 700
		13.0	79.1	52.1	59 200
	1 6 5	14.0	78.0	51.9	50 800
		15.0	76.8	51.7	43 700
		16.0	75.6	51.4	37 800
		18.0	73.2	50.7	28 500
		20.0	70.8	50.0	21 300
		22.0	68.3	49.2	15 800
		24.0	65.8	48.3	11 300
		26.0	63.3	47.3	7 600

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

51.8m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 5 · 9	8 5	6.7	83.0	28.6	123 100*
		7.0	82.3	28.5	122 300*
		7.5	81.2	28.4	120 900*
		8.0	80.1	28.3	119 600*
		8.5	78.9	28.2	118 400*
		9.0	77.8	28.0	115 200
		10.0	75.5	27.7	92 600
		11.0	73.1	27.4	75 700
		12.0	70.8	27.0	62 700
		13.0	68.4	26.6	52 500
		14.0	65.9	26.1	44 200
		15.0	63.4	25.5	37 300
		16.0	60.8	24.9	31 600
		18.0	55.4	23.5	22 400
		20.0	49.5	21.7	15 500
		22.0	43.0	19.6	10 000
		24.0	35.4	16.8	5 600
2 9 · 0	9 5	7.3	82.5	31.6	123 000*
		7.5	82.1	31.5	122 600*
		8.0	81.1	31.4	121 400*
		8.5	80.1	31.3	120 100*
		9.0	79.1	31.2	116 800
		10.0	77.1	30.9	94 000
		11.0	75.0	30.6	77 100
		12.0	72.9	30.3	64 100
		13.0	70.8	29.9	53 800
		14.0	68.6	29.4	45 500
		15.0	66.4	29.0	38 600
		16.0	64.2	28.4	32 800
		18.0	59.6	27.2	23 600
		20.0	54.7	25.8	16 600
		22.0	49.5	24.0	11 200
		24.0	43.7	21.9	6 800
3 2 · 0	1 0 5	7.6	82.7	34.6	121 400*
		8.0	82.0	34.5	120 300*
		8.5	81.1	34.4	118 900*
		9.0	80.2	34.3	116 500
		10.0	78.3	34.1	95 100
		11.0	76.5	33.8	78 200
		12.0	74.6	33.5	65 100
		13.0	72.7	33.1	54 900
		14.0	70.8	32.8	46 500
		15.0	68.8	32.3	39 600
		16.0	66.9	31.9	33 800
		18.0	62.8	30.8	24 600
		20.0	58.6	29.5	17 600
		22.0	54.2	28.1	12 200
		24.0	49.4	26.3	7 800
3 5 · 1	1 1 5	7.9	82.8	37.6	119 500*
		8.0	82.7	37.6	119 300*
		8.5	81.9	37.5	118 100*
		9.0	81.0	37.4	116 500
		10.0	79.4	37.2	96 100
		11.0	77.7	37.0	79 100
		12.0	76.0	36.7	66 000
		13.0	74.3	36.4	55 700
		14.0	72.5	36.0	47 300
		15.0	70.8	35.6	40 400
		16.0	69.0	35.2	34 600
		18.0	65.4	34.3	25 400
		20.0	61.7	33.2	18 400
		22.0	57.8	31.9	12 900
		24.0	53.7	30.4	8 500
3 8 · 1	1 2 5	8.2	82.9	40.7	112 000*
		8.5	82.5	40.6	111 200*
		9.0	81.8	40.5	109 600*
		10.0	80.2	40.3	97 600
		11.0	78.7	40.1	79 700
		12.0	77.1	39.8	66 700
		13.0	75.6	39.6	56 300
		14.0	74.0	39.2	48 000
		15.0	72.4	38.9	41 000
		16.0	70.8	38.5	35 200
		18.0	67.5	37.7	26 000
		20.0	64.2	36.7	19 000
		22.0	60.7	35.5	13 500
		24.0	57.1	34.2	9 000
4 1 · 1	1 3 5	8.5	83.0	43.7	108 000*
		9.0	82.4	43.6	106 800*
		10.0	81.0	43.4	98 700
		11.0	79.5	43.2	80 300
		12.0	78.1	43.0	67 200
		13.0	76.7	42.7	56 800
		14.0	75.2	42.4	48 500
		15.0	73.8	42.1	41 500
		16.0	72.3	41.8	35 700
		18.0	69.3	41.0	26 400
		20.0	66.2	40.1	19 400
		22.0	63.1	39.0	13 900
		24.0	59.9	37.8	9 500
4 4 · 2	1 4 5	9.1	82.7	46.7	104 700*
		10.0	81.6	46.5	99 400
		11.0	80.3	46.3	80 900
		12.0	78.9	46.1	67 700
		13.0	77.6	45.9	57 400
		14.0	76.3	45.6	49 000
		15.0	74.9	45.3	42 100
		16.0	73.6	45.0	36 200
		18.0	70.8	44.3	26 900
		20.0	68.0	43.4	19 900
		22.0	65.1	42.5	14 400
		24.0	62.2	41.4	10 000

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

51.8m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 7 · 2	1 5 5	9.8	82.4	49.7	101 700*
		10.0	82.1	49.6	97 700*
		11.0	80.9	49.5	81 300
		12.0	79.7	49.2	68 200
		13.0	78.4	49.0	57 800
		14.0	77.2	48.8	49 300
		15.0	75.9	48.5	42 400
		16.0	74.7	48.2	36 500
		18.0	72.1	47.5	27 200
		20.0	69.5	46.8	20 200
5 0 · 3	1 6 5	22.0	66.9	45.9	14 700
		24.0	64.1	44.9	10 200
		9.8	82.9	52.8	90 600*
		10.0	82.6	52.7	90 100*
		11.0	81.5	52.6	81 700
		12.0	80.3	52.4	68 400
		13.0	79.1	52.1	58 000
		14.0	78.0	51.9	49 600
		15.0	76.8	51.7	42 600
		16.0	75.6	51.4	36 800
		18.0	73.2	50.7	27 500
		20.0	70.8	50.0	20 400
		22.0	68.3	49.2	14 900
		24.0	65.8	48.3	10 400
		26.0	63.3	47.3	6 700

MANITOWOC ENGINEERING CO.

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



LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

54.9m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 5 · 9	8 5	6.7	83.0	28.6	121 000*
		7.0	82.3	28.5	120 200*
		7.5	81.2	28.4	118 700*
		8.0	80.1	28.3	117 300*
		8.5	78.9	28.2	116 000*
		9.0	77.8	28.0	112 700
		10.0	75.5	27.7	90 200
		11.0	73.1	27.4	73 400
		12.0	70.8	27.0	60 500
		13.0	68.4	26.6	50 300
		14.0	65.9	26.1	42 100
		15.0	63.4	25.5	35 300
		16.0	60.8	24.9	29 500
		18.0	55.4	23.5	20 400
		20.0	49.5	21.7	13 600
		22.0	43.0	19.6	8 200
2 9 · 0	9 5	7.3	82.5	31.6	120 900*
		7.5	82.1	31.5	120 400*
		8.0	81.1	31.4	119 000*
		8.5	80.1	31.3	117 600*
		9.0	79.1	31.2	114 200
		10.0	77.1	30.9	91 700
		11.0	75.0	30.6	74 900
		12.0	72.9	30.3	62 000
		13.0	70.8	29.9	51 800
		14.0	68.6	29.4	43 500
		15.0	66.4	29.0	36 700
		16.0	64.2	28.4	30 900
		18.0	59.6	27.2	21 800
		20.0	54.7	25.8	14 900
		22.0	49.5	24.0	9 400
3 2 · 0	1 0 5	7.6	82.7	34.6	119 300*
		8.0	82.0	34.5	118 200*
		8.5	81.1	34.4	116 800*
		9.0	80.2	34.3	114 200
		10.0	78.3	34.1	92 900
		11.0	76.5	33.8	76 100
		12.0	74.6	33.5	63 100
		13.0	72.7	33.1	52 900
		14.0	70.8	32.8	44 600
		15.0	68.8	32.3	37 800
		16.0	66.9	31.9	32 000
		18.0	62.8	30.8	22 900
		20.0	58.6	29.5	16 000
		22.0	54.2	28.1	10 500
		24.0	49.4	26.3	6 100
3 5 · 1	1 1 5	7.9	82.8	37.6	117 500*
		8.0	82.7	37.6	117 300*
		8.5	81.9	37.5	116 000*
		9.0	81.0	37.4	114 300
		10.0	79.4	37.2	93 900
		11.0	77.7	37.0	77 000
		12.0	76.0	36.7	64 100
		13.0	74.3	36.4	53 800
		14.0	72.5	36.0	45 500
		15.0	70.8	35.6	38 700
		16.0	69.0	35.2	32 900
		18.0	65.4	34.3	23 700
		20.0	61.7	33.2	16 800
		22.0	57.8	31.9	11 300
		24.0	53.7	30.4	6 900
3 8 · 1	1 2 5	8.2	82.9	40.7	110 200*
		8.5	82.5	40.6	109 300*
		9.0	81.8	40.5	107 800*
		10.0	80.2	40.3	95 500
		11.0	78.7	40.1	77 700
		12.0	77.1	39.8	64 800
		13.0	75.6	39.6	54 500
		14.0	74.0	39.2	46 200
		15.0	72.4	38.9	39 300
		16.0	70.8	38.5	33 500
		18.0	67.5	37.7	24 300
		20.0	64.2	36.7	17 400
		22.0	60.7	35.5	12 000
		24.0	57.1	34.2	7 600
4 1 · 1	1 3 5	8.5	83.0	43.7	106 200*
		9.0	82.4	43.6	104 900*
		10.0	81.0	43.4	96 600
		11.0	79.5	43.2	78 400
		12.0	78.1	43.0	65 400
		13.0	76.7	42.7	55 100
		14.0	75.2	42.4	46 800
		15.0	73.8	42.1	39 900
		16.0	72.3	41.8	34 100
		18.0	69.3	41.0	24 900
		20.0	66.2	40.1	17 900
		22.0	63.1	39.0	12 400
		24.0	59.9	37.8	8 000
4 4 · 2	1 4 5	9.1	82.7	46.7	102 900*
		10.0	81.6	46.5	97 500
		11.0	80.3	46.3	79 000
		12.0	78.9	46.1	66 000
		13.0	77.6	45.9	55 700
		14.0	76.3	45.6	47 300
		15.0	74.9	45.3	40 400
		16.0	73.6	45.0	34 600
		18.0	70.8	44.3	25 400
		20.0	68.0	43.4	18 500
		22.0	65.1	42.5	13 000
		24.0	62.2	41.4	8 600

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

54.9m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 7 · 2	1 5 5	9.8	82.4	49.7	100 000*
		10.0	82.1	49.6	95 800*
		11.0	80.9	49.5	79 500
		12.0	79.7	49.2	66 400
		13.0	78.4	49.0	56 100
		14.0	77.2	48.8	47 700
		15.0	75.9	48.5	40 800
		16.0	74.7	48.2	35 000
		18.0	72.1	47.5	25 800
		20.0	69.5	46.8	18 800
5 0 · 3	1 6 5	22.0	66.9	45.9	13 300
		24.0	64.1	44.9	8 900
		9.8	82.9	52.8	89 000*
		10.0	82.6	52.7	88 500*
		11.0	81.5	52.6	79 800
		12.0	80.3	52.4	66 700
		13.0	79.1	52.1	56 400
		14.0	78.0	51.9	48 000
		15.0	76.8	51.7	41 100
		16.0	75.6	51.4	35 200
		18.0	73.2	50.7	26 000
		20.0	70.8	50.0	19 000
		22.0	68.3	49.2	13 500
		24.0	65.8	48.3	9 100

MANITOWOC ENGINEERING CO.

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LIFT CRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

57.9m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 5 · 9	8 5	6.7	83.0	28.6	119 000*
		7.0	82.3	28.5	118 100*
		7.5	81.2	28.4	116 500*
		8.0	80.1	28.3	115 000*
		8.5	78.9	28.2	113 600*
		9.0	77.8	28.0	110 200
		10.0	75.5	27.7	87 800
		11.0	73.1	27.4	71 100
		12.0	70.8	27.0	58 300
		13.0	68.4	26.6	48 300
		14.0	65.9	26.1	40 100
		15.0	63.4	25.5	33 300
		16.0	60.8	24.9	27 600
		18.0	55.4	23.5	18 600
		20.0	49.5	21.7	11 800
		22.0	43.0	19.6	6 500
2 9 · 0	9 5	7.3	82.5	31.6	118 800*
		7.5	82.1	31.5	118 300*
		8.0	81.1	31.4	116 900*
		8.5	80.1	31.3	115 500*
		9.0	79.1	31.2	111 900
		10.0	77.1	30.9	89 400
		11.0	75.0	30.6	72 700
		12.0	72.9	30.3	59 900
		13.0	70.8	29.9	49 800
		14.0	68.6	29.4	41 600
		15.0	66.4	29.0	34 800
		16.0	64.2	28.4	29 100
		18.0	59.6	27.2	20 000
		20.0	54.7	25.8	13 200
		22.0	49.5	24.0	7 800
3 2 · 0	1 0 5	7.6	82.7	34.6	117 500*
		8.0	82.0	34.5	116 300*
		8.5	81.1	34.4	114 800*
		9.0	80.2	34.3	112 100
		10.0	78.3	34.1	90 700
		11.0	76.5	33.8	74 000
		12.0	74.6	33.5	61 200
		13.0	72.7	33.1	51 000
		14.0	70.8	32.8	42 800
		15.0	68.8	32.3	36 000
		16.0	66.9	31.9	30 300
		18.0	62.8	30.8	21 200
		20.0	58.6	29.5	14 400
		22.0	54.2	28.1	9 000
3 5 · 1	1 1 5	7.9	82.8	37.6	115 600*
		8.0	82.7	37.6	115 400*
		8.5	81.9	37.5	114 100*
		9.0	81.0	37.4	112 200
		10.0	79.4	37.2	91 800
		11.0	77.7	37.0	75 100
		12.0	76.0	36.7	62 200
		13.0	74.3	36.4	52 000
		14.0	72.5	36.0	43 800
		15.0	70.8	35.6	37 000
		16.0	69.0	35.2	31 200
		18.0	65.4	34.3	22 100
		20.0	61.7	33.2	15 200
		22.0	57.8	31.9	9 900
		24.0	53.7	30.4	5 500
3 8 · 1	1 2 5	8.2	82.9	40.7	107 600*
		8.5	82.5	40.6	106 700*
		9.0	81.8	40.5	105 200*
		10.0	80.2	40.3	93 500
		11.0	78.7	40.1	75 800
		12.0	77.1	39.8	62 900
		13.0	75.6	39.6	52 800
		14.0	74.0	39.2	44 500
		15.0	72.4	38.9	37 700
		16.0	70.8	38.5	31 900
		18.0	67.5	37.7	22 800
		20.0	64.2	36.7	16 000
		22.0	60.7	35.5	10 600
		24.0	57.1	34.2	6 200
4 1 · 1	1 3 5	8.5	83.0	43.7	104 500*
		9.0	82.4	43.6	103 300*
		10.0	81.0	43.4	94 600
		11.0	79.5	43.2	76 600
		12.0	78.1	43.0	63 600
		13.0	76.7	42.7	53 400
		14.0	75.2	42.4	45 100
		15.0	73.8	42.1	38 300
		16.0	72.3	41.8	32 500
		18.0	69.3	41.0	23 400
		20.0	66.2	40.1	16 500
		22.0	63.1	39.0	11 100
		24.0	59.9	37.8	6 700
4 4 · 2	1 4 5	9.1	82.7	46.7	101 300*
		10.0	81.6	46.5	95 400
		11.0	80.3	46.3	77 200
		12.0	78.9	46.1	64 200
		13.0	77.6	45.9	54 000
		14.0	76.3	45.6	45 800
		15.0	74.9	45.3	38 900
		16.0	73.6	45.0	33 100
		18.0	70.8	44.3	24 000
		20.0	68.0	43.4	17 100
		22.0	65.1	42.5	11 700
		24.0	62.2	41.4	7 300

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

57.9m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
4 7 · 2	1 5 5	9.8	82.4	49.7	98 400*
		10.0	82.1	49.6	94 100*
		11.0	80.9	49.5	77 700
		12.0	79.7	49.2	64 700
		13.0	78.4	49.0	54 500
		14.0	77.2	48.8	46 200
		15.0	75.9	48.5	39 300
		16.0	74.7	48.2	33 500
		18.0	72.1	47.5	24 400
		20.0	69.5	46.8	17 500
5 0 · 3	1 6 5	22.0	66.9	45.9	12 000
		24.0	64.1	44.9	7 600
		9.8	82.9	52.8	87 500*
		10.0	82.6	52.7	87 000*
		11.0	81.5	52.6	78 100
		12.0	80.3	52.4	65 100
		13.0	79.1	52.1	54 800
		14.0	78.0	51.9	46 500
		15.0	76.8	51.7	39 700
		16.0	75.6	51.4	33 900
		18.0	73.2	50.7	24 700
		20.0	70.8	50.0	17 800
		22.0	68.3	49.2	12 300
		24.0	65.8	48.3	7 900

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES WITH FOLD UNDER LUFFING JIB ATTACHED

M-250

BOOM NO. 44 WITH 1524 mm TOP

61.0m LUFFING JIB NO. 133A

SET AT 168 DEGREE BOOM TO LUFFING JIB ANGLE

75 750 kg COUNTERWEIGHT

360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY KILOGRAMS
2 5 · 9	8 5	6.7	83.0	28.6	116 600*
		7.0	82.3	28.5	115 600*
		7.5	81.2	28.4	114 000*
		8.0	80.1	28.3	112 400*
		8.5	78.9	28.2	110 900*
		9.0	77.8	28.0	107 400
		10.0	75.5	27.7	85 200
		11.0	73.1	27.4	68 700
		12.0	70.8	27.0	56 000
		13.0	68.4	26.6	46 000
		14.0	65.9	26.1	37 800
		15.0	63.4	25.5	31 100
		16.0	60.8	24.9	25 500
		18.0	55.4	23.5	16 600
		20.0	49.5	21.7	9 800
2 9 · 0	9 5	7.3	82.5	31.6	116 500*
		7.5	82.1	31.5	115 900*
		8.0	81.1	31.4	114 500*
		8.5	80.1	31.3	113 000*
		9.0	79.1	31.2	109 400
		10.0	77.1	30.9	87 000
		11.0	75.0	30.6	70 400
		12.0	72.9	30.3	57 600
		13.0	70.8	29.9	47 600
		14.0	68.6	29.4	39 500
		15.0	66.4	29.0	32 700
		16.0	64.2	28.4	27 100
3 2 · 0	1 0 5	7.6	82.7	34.6	115 300*
		8.0	82.0	34.5	114 100*
		8.5	81.1	34.4	112 500*
		9.0	80.2	34.3	109 700
		10.0	78.3	34.1	88 300
		11.0	76.5	33.8	71 800
		12.0	74.6	33.5	59 000
		13.0	72.7	33.1	49 000
		14.0	70.8	32.8	40 800
		15.0	68.8	32.3	34 100
		16.0	66.9	31.9	28 400
		18.0	62.8	30.8	19 400
3 5 · 1	1 1 5	7.9	82.8	37.6	113 500*
		8.0	82.7	37.6	113 300*
		8.5	81.9	37.5	111 900*
		9.0	81.0	37.4	109 900
		10.0	79.4	37.2	89 500
		11.0	77.7	37.0	72 900
		12.0	76.0	36.7	60 100
		13.0	74.3	36.4	50 000
		14.0	72.5	36.0	41 800
		15.0	70.8	35.6	35 100
		16.0	69.0	35.2	29 400
		18.0	65.4	34.3	20 300
3 8 · 1	1 2 5	8.2	82.9	40.7	105 700*
		8.5	82.5	40.6	104 800*
		9.0	81.8	40.5	103 200*
		10.0	80.2	40.3	91 200
		11.0	78.7	40.1	73 800
		12.0	77.1	39.8	60 900
		13.0	75.6	39.6	50 900
		14.0	74.0	39.2	42 700
		15.0	72.4	38.9	35 900
		16.0	70.8	38.5	30 200
		18.0	67.5	37.7	21 200
		20.0	64.2	36.7	14 300
4 1 · 1	1 3 5	8.5	83.0	43.7	102 700*
		9.0	82.4	43.6	101 400*
		10.0	81.0	43.4	92 300
		11.0	79.5	43.2	74 500
		12.0	78.1	43.0	61 700
		13.0	76.7	42.7	51 500
		14.0	75.2	42.4	43 300
		15.0	73.8	42.1	36 500
		16.0	72.3	41.8	30 800
		18.0	69.3	41.0	21 800
		20.0	66.2	40.1	14 900
		22.0	63.1	39.0	9 500
4 4 · 2	1 4 5	24.0	59.9	37.8	5 200
		9.1	82.7	46.7	99 400*
		10.0	81.6	46.5	93 300
		11.0	80.3	46.3	75 200
		12.0	78.9	46.1	62 400
		13.0	77.6	45.9	52 200
		14.0	76.3	45.6	44 000
		15.0	74.9	45.3	37 200
		16.0	73.6	45.0	31 500
		18.0	70.8	44.3	22 400
		20.0	68.0	43.4	15 600
		22.0	65.1	42.5	10 200
		24.0	62.2	41.4	5 900

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4 7 · 2	1 5 5	9.8	82.4	49.7	96 500*
		10.0	82.1	49.6	92 200*
		11.0	80.9	49.5	75 800
		12.0	79.7	49.2	62 900
		13.0	78.4	49.0	52 700
		14.0	77.2	48.8	44 500
		15.0	75.9	48.5	37 700
		16.0	74.7	48.2	32 000
		18.0	72.1	47.5	22 800
		20.0	69.5	46.8	16 000
5 0 · 3	1 6 5	22.0	66.9	45.9	10 600
		24.0	64.1	44.9	6 200
		9.8	82.9	52.8	85 900*
		10.0	82.6	52.7	85 300*
		11.0	81.5	52.6	76 200
		12.0	80.3	52.4	63 300
		13.0	79.1	52.1	53 100
		14.0	78.0	51.9	44 900
		15.0	76.8	51.7	38 000
		16.0	75.6	51.4	32 300
		18.0	73.2	50.7	23 200
		20.0	70.8	50.0	16 300
		22.0	68.3	49.2	10 900
		24.0	65.8	48.3	6 500