

MANITOWOC ENGINEERING CO.

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



LIFTCRANE CAPACITIES

BOOM NO. 44 WITH LONG REACH TOP

75 750 kg COUNTERWEIGHT

RATING OVER FRONT OF BLOCKED CRAWLERS

NO TRAVEL - LIMITED SWING

MEETS
ANSI B30.5
REQUIREMENTS

M-250

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

UPPER BOOM POINT CAPACITY FOR LIFTCRANE SERVICE WITH SINGLE PART WHIP LINE IS 13 610 kg OR 27 220 kg WITH TWO PART WHIP LINE. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR THE MAIN BOOM CAPACITY.

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

MACHINE TO OPERATE IN A LEVEL POSITION ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH GANTRY UP AND FRONT TUMBLER PROPERLY BLOCKED SO THAT THE CENTERLINE OF THE IDLER TUMBLER BECOMES THE TIPPING FULCRUM. DRIVE MOTORS MUST BE TO THE REAR OF THE MACHINE. SWING IS LIMITED TO THAT SECTOR SHOWN ON OPERATING RANGE DIAGRAM NO. 7582-A. REFER TO BOOM RIGGING NO. 172612 AND WIRE ROPE SPECIFICATION CHART NO. 7581-B. CRANE OPERATOR JUDGMENT MUST BE USED TO ALLOW FOR DYNAMIC LOAD EFFECTS OF SWINGING, HOISTING OR LOWERING, WIND CONDITIONS, AS WELL AS ADVERSE OPERATING CONDITIONS AND PHYSICAL MACHINE DEPRECIATION.

MACHINE MAY BE OPERATED WITHIN WIND LIMITS SHOWN IN TABLE PROVIDED CRANE OPERATOR JUDGMENT IS USED TO ALLOW FOR WIND EFFECT ON THE LIFTED LOAD AND OTHER CONSIDERATIONS NOTED ON THE 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 AND LOWERING BOOM AND JIB TO APPROXIMATELY 70 DEGREE BOOM ANGLE WHEN WIND EXCEEDS THOSE SHOWN IN TABLE TO PREVENT JIB BEING BLOWN OVER BACKWARDS. LOWER BOOM AND JIB TO GROUND WHEN WIND IS ABOVE 22 m/s.

OPERATING RADIUS IS THE HORIZONTAL DISTANCE FROM THE AXIS OF ROTATION TO THE CENTER OF VERTICAL HOIST LINE OR LOAD BLOCK. BOOM ANGLE IS THE 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, 8 534 mm RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 38 mm BOOM PENDANTS, AND 75 750 kg COUNTERWEIGHT.

WIND LIMITS DURING OPERATION		
MAXIMUM WIND VELOCITY	BOOM LENGTH	JIB LENGTH
m/s	METERS	METERS
13	57.9 - 64.0	---
11	67.1 - 76.2	---
9	79.2 - 100.6	---
11	57.9 - 64.0	12.2 - 24.4
9	67.1 - 85.3	12.2 - 18.3
9	67.1 - 76.2	24.4
7	79.2 - 82.3	24.4
11	57.9 - 61.0	30.5 - 36.6
9	64.0 - 76.2	30.5 - 36.6
7	79.2	30.5 - 36.6

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED OVER FRONT OF BLOCKED CRAWLERS		DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED	
BOOM LGTH.	JIB NO. 132	JIB LGTH.	JIB NO. 132
100.6m	---	12.2m	2 900 kg
97.5m	---	18.3m	3 720 kg
94.5m	---	24.4m	4 670 kg
91.4m	---	30.5m	5 810 kg
88.4m	---	36.6m	6 940 kg
85.3m	18.3m		
82.3m	24.4m		
79.2m	36.6m		
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. UPPER BOOM POINT CANNOT BE USED ON 100.6m BOOM.			

CONSULT JIB CHART FOR JIB CAPACITIES. UPPER BOOM POINT CANNOT BE USED WHEN JIB IS ATTACHED.

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS
57.9	190	9.8	82.6	59.8	95 200*
		10.0	82.4	59.8	95 200*
		11.0	81.4	59.6	95 200*
		12.0	80.4	59.5	95 200*
		13.0	79.4	59.3	95 200*
		14.0	78.4	59.1	92 800
		15.0	77.4	58.9	83 700
		16.0	76.4	58.6	75 900
		18.0	74.3	58.1	63 900
		20.0	72.3	57.5	54 900
		22.0	70.2	56.8	47 900
		24.0	68.0	56.0	42 300
		26.0	65.9	55.1	37 800

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS
57.9	190	28.0	63.7	54.2	34 000
		30.0	61.5	53.1	30 800
		32.0	59.2	52.0	28 100
		34.0	56.8	50.7	25 700
		36.0	54.4	49.3	23 600
		38.0	51.9	47.8	21 800
		40.0	49.4	46.1	20 200
		42.0	46.7	44.3	18 700
		44.0	43.9	42.3	17 400
		46.0	40.9	40.1	16 200
		48.0	37.8	37.6	15 100
		50.0	34.4	34.8	14 100
		52.0	30.7	31.6	13 300

MANITOWOC ENGINEERING CO.

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



LIFTCRANE CAPACITIES

BOOM NO. 44 WITH LONG REACH TOP

75 750 kg COUNTERWEIGHT

RATING OVER FRONT OF BLOCKED CRAWLERS

NO TRAVEL - LIMITED SWING

MEETS
ANSI B30.5
REQUIREMENTS

M-250

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS	BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS
61.0	200	9.8	83.0	62.9	95 200*	67.1	220	11.0	82.6	68.9	95 200*
		10.0	82.8	62.9	95 200*			12.0	81.7	68.7	95 200*
		11.0	81.9	62.7	95 200*			13.0	80.9	68.6	95 000*
		12.0	80.9	62.6	95 200*			14.0	80.0	68.4	92 300
		13.0	80.0	62.4	95 200*			15.0	79.1	68.2	83 100
		14.0	79.0	62.2	92 600			16.0	78.3	68.0	75 400
		15.0	78.0	62.0	83 400			18.0	76.5	67.6	63 300
		16.0	77.1	61.8	75 700			20.0	74.7	67.0	54 300
		18.0	75.1	61.3	63 600			22.0	73.0	66.4	47 300
		20.0	73.2	60.7	54 600			24.0	71.2	65.8	41 700
		22.0	71.2	60.0	47 600			26.0	69.3	65.0	37 100
		24.0	69.2	59.3	42 100			28.0	67.5	64.2	33 300
		26.0	67.2	58.5	37 500			30.0	65.6	63.4	30 100
		28.0	65.1	57.6	33 700			32.0	63.7	62.4	27 400
		30.0	63.0	56.6	30 500			34.0	61.8	61.4	25 000
		32.0	60.9	55.5	27 800			36.0	59.9	60.2	22 900
		34.0	58.7	54.3	25 400			38.0	57.8	59.0	21 100
		36.0	56.4	53.0	23 300			40.0	55.8	57.7	19 400
		38.0	54.2	51.6	21 500			42.0	53.7	56.2	18 000
		40.0	51.8	50.1	19 800			44.0	51.5	54.7	16 700
		42.0	49.3	48.4	18 400			46.0	49.3	53.0	15 500
		44.0	46.8	46.6	17 100			48.0	47.0	51.2	14 400
		46.0	44.1	44.6	15 900			50.0	44.6	49.2	13 400
		48.0	41.4	42.4	14 800			52.0	42.1	47.1	12 500
		50.0	38.4	40.0	13 800			54.0	39.5	44.8	11 700
		52.0	35.2	37.3	12 900			56.0	36.7	42.2	10 900
		54.0	31.8	34.2	12 100			58.0	33.7	39.3	10 200
		56.0	28.0	30.7	11 300			60.0	30.4	36.1	9 600
								62.0	26.8	32.3	8 900
64.0	210	10.4	82.8	65.9	95 200*	70.1	230	11.0	82.9	72.0	89 000*
		11.0	82.3	65.8	95 200*			12.0	82.1	71.8	87 500*
		12.0	81.3	65.7	95 200*			13.0	81.3	71.7	86 100*
		13.0	80.4	65.5	95 200*			14.0	80.5	71.5	84 800*
		14.0	79.5	65.3	92 500			15.0	79.6	71.3	82 400
		15.0	78.6	65.1	83 300			16.0	78.8	71.1	76 100
		16.0	77.7	64.9	75 600			18.0	77.1	70.7	63 100
		18.0	75.9	64.4	63 500			20.0	75.4	70.2	54 000
		20.0	74.0	63.9	54 500			22.0	73.7	69.6	47 000
		22.0	72.1	63.2	47 500			24.0	72.0	69.0	41 400
		24.0	70.2	62.5	41 900			26.0	70.3	68.3	36 900
		26.0	68.3	61.8	37 400			28.0	68.5	67.5	33 100
		28.0	66.4	60.9	33 600			30.0	66.8	66.7	29 900
		30.0	64.4	60.0	30 400			32.0	65.0	65.8	27 100
		32.0	62.4	59.0	27 700			34.0	63.1	64.8	24 700
		34.0	60.3	57.9	25 300			36.0	61.3	63.7	22 600
		36.0	58.2	56.7	23 200			38.0	59.4	62.6	20 800
		38.0	56.1	55.4	21 400			40.0	57.5	61.3	19 200
		40.0	53.9	53.9	19 700			42.0	55.5	60.0	17 700
		42.0	51.7	52.4	18 300			44.0	53.5	58.6	16 400
		44.0	49.3	50.7	17 000			46.0	51.4	57.0	15 200
		46.0	46.9	48.9	15 800			48.0	49.3	55.3	14 200
		48.0	44.4	46.9	14 700			50.0	47.1	53.5	13 100
		50.0	41.7	44.8	13 700			52.0	44.8	51.6	12 300
		52.0	39.0	42.4	12 800			54.0	42.4	49.4	11 400
		54.0	36.0	39.7	12 000			56.0	39.9	47.1	10 600
		56.0	32.8	36.8	11 200			58.0	37.3	44.6	9 900
		58.0	29.3	33.4	10 500			60.0	34.5	41.8	9 300
								62.0	31.4	38.7	8 700
								64.0	28.1	35.1	8 100

MANITOWOC ENGINEERING CO.

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



LIFTCRANE CAPACITIES

BOOM NO. 44 WITH LONG REACH TOP

75 750 kg COUNTERWEIGHT

RATING OVER FRONT OF BLOCKED CRAWLERS

NO TRAVEL - LIMITED SWING

MEETS
ANSI B30.5
REQUIREMENTS

M-250

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS	BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS
7 3 2	2 4 0	11.6	82.8	75.0	85 300*	7 9 2	2 6 0	12.2	82.9	81.0	78 200*
		12.0	82.4	74.9	84 700*			13.0	82.3	80.9	77 400*
		13.0	81.6	74.8	83 400*			14.0	81.6	80.8	75 800*
		14.0	80.9	74.6	82 300*			15.0	80.8	80.6	73 700*
		15.0	80.1	74.4	81 100*			16.0	80.1	80.4	71 500*
		16.0	79.3	74.2	76 800*			18.0	78.6	80.1	62 900
		18.0	77.7	73.8	62 800			20.0	77.1	79.6	53 400
		20.0	76.0	73.3	53 800			22.0	75.7	79.1	46 400
		22.0	74.4	72.8	46 800			24.0	74.2	78.6	40 800
		24.0	72.8	72.2	41 200			26.0	72.6	78.0	36 200
		26.0	71.1	71.5	36 600			28.0	71.1	77.3	32 400
		28.0	69.5	70.8	32 800			30.0	69.6	76.6	29 100
		30.0	67.8	70.0	29 600			32.0	68.0	75.8	26 400
		32.0	66.1	69.1	26 800			34.0	66.5	74.9	24 000
		34.0	64.4	68.2	24 400			36.0	64.9	74.0	21 900
		36.0	62.6	67.2	22 300			38.0	63.3	73.0	20 100
		38.0	60.8	66.1	20 500			40.0	61.6	72.0	18 400
		40.0	59.0	64.9	18 900			42.0	60.0	70.8	16 900
		42.0	57.1	63.7	17 400			44.0	58.3	69.6	15 600
		44.0	55.3	62.3	16 100			46.0	56.5	68.3	14 400
		46.0	53.3	60.9	14 900			48.0	54.8	67.0	13 400
		48.0	51.3	59.3	13 800			50.0	53.0	65.5	12 400
		50.0	49.3	57.6	12 800			52.0	51.1	63.9	11 500
		52.0	47.2	55.8	11 900			54.0	49.3	62.2	10 700
		54.0	45.0	53.9	11 100			56.0	47.3	60.4	9 900
7 6 2	2 5 0	56.0	42.7	51.8	10 300	8 2 3	2 7 0	58.0	45.3	58.5	9 200
		58.0	40.3	49.5	9 600			60.0	43.2	56.4	8 500
		60.0	37.8	47.0	9 000			62.0	41.1	54.2	7 900
		62.0	35.2	44.3	8 300			64.0	38.8	51.8	7 300
		64.0	32.3	41.2	7 800			66.0	36.4	49.2	6 800
		66.0	29.2	37.8	7 200			68.0	33.9	46.3	6 300
		12.2	82.6	78.0	81 100*			70.0	31.2	43.1	5 800
		13.0	82.0	77.8	80 100*			72.0	28.2	39.6	5 400
		14.0	81.2	77.7	79 000*			12.8	82.7	84.0	70 000*
		15.0	80.5	77.5	77 700*			13.0	82.6	84.0	69 900*
		16.0	79.7	77.3	74 200*			14.0	81.9	83.9	69 300*
		18.0	78.2	76.9	62 900			15.0	81.2	83.7	68 500*
		20.0	76.6	76.5	53 600			16.0	80.5	83.5	67 200*
		22.0	75.1	76.0	46 600			18.0	79.0	83.2	61 800
		24.0	73.5	75.4	41 000			20.0	77.6	82.7	53 100
		26.0	71.9	74.8	36 500			22.0	76.2	82.3	46 100
		28.0	70.3	74.1	32 600			24.0	74.8	81.7	40 500
		30.0	68.7	73.3	29 400			26.0	73.3	81.2	35 900
		32.0	67.1	72.5	26 700			28.0	71.8	80.5	32 100
		34.0	65.4	71.6	24 300			30.0	70.4	79.8	28 900
		36.0	63.8	70.6	22 200			32.0	68.9	79.1	26 100
		38.0	62.1	69.6	20 400			34.0	67.4	78.3	23 700
		40.0	60.4	68.5	18 700			36.0	65.9	77.4	21 600
		42.0	58.6	67.3	17 300			38.0	64.3	76.4	19 800
		44.0	56.8	66.0	16 000			40.0	62.8	75.4	18 200
		46.0	55.0	64.6	14 800			42.0	61.2	74.4	16 700
		48.0	53.1	63.2	13 700			44.0	59.6	73.2	15 400
		50.0	51.2	61.6	12 700			46.0	57.9	72.0	14 200
		52.0	49.3	59.9	11 800			48.0	56.3	70.7	13 100
		54.0	47.2	58.1	11 000			50.0	54.6	69.3	12 100
		56.0	45.2	56.2	10 200			52.0	52.8	67.8	11 200
		58.0	43.0	54.1	9 500			54.0	51.1	66.2	10 400
		60.0	40.7	51.8	8 800			56.0	49.2	64.5	9 600
		62.0	38.3	49.4	8 200			58.0	47.4	62.7	8 900
		64.0	35.8	46.7	7 600			60.0	45.4	60.8	8 200
		66.0	33.1	43.8	7 100			62.0	43.4	58.7	7 600
		68.0	30.3	40.5	6 600			64.0	41.4	56.5	7 000
		70.0	27.1	36.8	6 100			66.0	39.2	54.2	6 500
								68.0	36.9	51.6	6 000
								70.0	34.5	48.8	5 500
								72.0	32.0	45.7	5 100
								74.0	29.2	42.3	4 700
								76.0	26.2	38.4	4 300

MANITOWOC ENGINEERING CO.

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



LIFTCRANE CAPACITIES

BOOM NO. 44 WITH LONG REACH TOP

75 750 kg COUNTERWEIGHT

RATING OVER FRONT OF BLOCKED CRAWLERS

NO TRAVEL - LIMITED SWING

MEETS
ANSI B30.5
REQUIREMENTS

M-250

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS	BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS
8 5 3	2 8 0	12.8	83.0	87.1	64 800*	8 8 4	2 9 0	66.0	43.8	63.4	6 000
		13.0	82.8	87.1	64 700*			68.0	41.9	61.2	5 500
		14.0	82.2	86.9	64 200*			70.0	39.9	58.9	5 100
		15.0	81.5	86.8	63 700*			72.0	37.9	56.4	4 600
		16.0	80.8	86.6	63 000*			74.0	35.7	53.7	4 200
		18.0	79.4	86.3	60 300*			76.0	33.4	50.8	3 800
		20.0	78.1	85.9	52 900			78.0	30.9	47.5	3 400
		22.0	76.7	85.4	45 800			80.0	28.3	44.0	3 000
		24.0	75.3	84.9	40 200						
		26.0	73.9	84.3	35 600						
		28.0	72.5	83.7	31 800	9 1 4	3 0 0	14.0	82.7	93.1	54 300*
		30.0	71.1	83.1	28 600			15.0	82.1	92.9	53 800*
		32.0	69.7	82.3	25 800			16.0	81.4	92.8	53 200*
		34.0	68.2	81.6	23 500			18.0	80.2	92.5	50 900*
		36.0	66.8	80.7	21 300			20.0	78.9	92.1	48 500*
		38.0	65.3	79.8	19 500			22.0	77.6	91.7	45 500*
		40.0	63.8	78.8	17 800			24.0	76.3	91.2	39 800
		42.0	62.3	77.8	16 400			26.0	75.0	90.7	35 200
		44.0	60.8	76.7	15 100			28.0	73.7	90.1	31 400
		46.0	59.2	75.6	13 900			30.0	72.4	89.5	28 100
		48.0	57.6	74.3	12 800			32.0	71.1	88.8	25 400
		50.0	56.0	73.0	11 800			34.0	69.7	88.1	23 000
		52.0	54.4	71.6	10 900			36.0	68.4	87.3	20 900
		54.0	52.7	70.1	10 100			38.0	67.0	86.5	19 000
		56.0	51.0	68.5	9 300			40.0	65.7	85.6	17 300
		58.0	49.2	66.8	8 600			42.0	64.3	84.7	15 900
		60.0	47.4	65.0	7 900			44.0	62.9	83.7	14 600
		62.0	45.6	63.1	7 300			46.0	61.5	82.6	13 400
		64.0	43.7	61.1	6 700			48.0	60.0	81.5	12 300
		66.0	41.7	58.9	6 200			50.0	58.6	80.3	11 300
		68.0	39.6	56.5	5 700			52.0	57.1	79.0	10 400
		70.0	37.4	54.0	5 200			54.0	55.6	77.6	9 600
		72.0	35.1	51.2	4 800			56.0	54.0	76.2	8 800
		74.0	32.7	48.2	4 400			58.0	52.5	74.7	8 100
		76.0	30.1	44.9	3 900			60.0	50.9	73.1	7 400
		78.0	27.3	41.2	3 600			62.0	49.2	71.4	6 800
8 8 4	2 9 0	13.4	82.8	90.1	60 100*			64.0	47.5	69.6	6 200
		14.0	82.4	90.0	59 800*			66.0	45.8	67.7	5 700
		15.0	81.8	89.9	59 300*			68.0	44.0	65.7	5 200
		16.0	81.1	89.7	58 800*			70.0	42.2	63.6	4 700
		18.0	79.8	89.4	57 100*			72.0	40.3	61.3	4 300
		20.0	78.5	89.0	52 900			74.0	38.3	58.8	3 900
		22.0	77.2	88.5	45 600			76.0	36.2	56.1	3 400
		24.0	75.8	88.0	40 000			78.0	34.0	53.3	3 100
		26.0	74.5	87.5	35 500			80.0	31.7	50.1	2 700
		28.0	73.1	86.9	31 600			82.0	29.2	46.7	2 400
		30.0	71.8	86.3	28 400						
		32.0	70.4	85.6	25 700						
		34.0	69.0	84.8	23 300						
		36.0	67.6	84.0	21 200						
		38.0	66.2	83.2	19 300						
		40.0	64.8	82.2	17 700						
		42.0	63.3	81.3	16 200						
		44.0	61.9	80.2	14 900						
		46.0	60.4	79.1	13 700						
		48.0	58.9	77.9	12 600						
		50.0	57.4	76.7	11 700						
		52.0	55.8	75.3	10 700						
		54.0	54.2	73.9	9 900						
		56.0	52.6	72.4	9 100						
		58.0	50.9	70.8	8 400						
		60.0	49.2	69.1	7 700						
		62.0	47.5	67.3	7 100						
		64.0	45.7	65.4	6 600						

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



LIFTCRANE CAPACITIES

BOOM NO. 44 WITH LONG REACH TOP

75 750 kg COUNTERWEIGHT

RATING OVER FRONT OF BLOCKED CRAWLERS

NO TRAVEL - LIMITED SWING

MEETS
ANSI B30.5
REQUIREMENTS

M-250

BOOM LGTH. METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	CAPACITY KILOGRAMS		
9 4 5	3 1 0	14.0	82.9	96.2	48 900*		
		15.0	82.3	96.0	48 300*		
		16.0	81.7	95.9	47 000*		
		18.0	80.5	95.6	44 600*		
		20.0	79.2	95.2	42 500*		
		22.0	78.0	94.8	40 700*		
		24.0	76.8	94.3	38 900		
		26.0	75.5	93.8	34 900		
		28.0	74.3	93.3	31 100		
		30.0	73.0	92.7	27 800		
		32.0	71.7	92.0	25 100		
		34.0	70.4	91.3	22 700		
		36.0	69.1	90.6	20 600		
		38.0	67.8	89.8	18 700		
		40.0	66.5	88.9	17 100		
		42.0	65.2	88.0	15 600		
		44.0	63.8	87.1	14 300		
		46.0	62.5	86.0	13 100		
		48.0	61.1	85.0	12 000		
		50.0	59.7	83.8	11 000		
		52.0	58.3	82.6	10 100		
		54.0	56.8	81.3	9 300		
		56.0	55.4	80.0	8 500		
		58.0	53.9	78.5	7 800		
		60.0	52.4	77.0	7 100		
		62.0	50.8	75.4	6 500		
		64.0	49.2	73.7	5 900		
		66.0	47.6	71.9	5 400		
		68.0	45.9	70.0	4 900		
		70.0	44.2	68.0	4 400		
		72.0	42.4	65.9	4 000		
		74.0	40.6	63.6	3 500		
76.0	38.7	61.2	3 200				
78.0	36.7	58.6	2 800				
80.0	34.6	55.7	2 400				
82.0	32.4	52.7	2 100				
9 7 5	3 2 0	14.6	82.8	99.2	45 200*		
		15.0	82.6	99.1	44 700*		
		16.0	82.0	99.0	43 600*		
		18.0	80.8	98.7	41 400*		
		20.0	79.6	98.3	39 200*		
		22.0	78.4	97.9	37 300*		
		24.0	77.2	97.5	35 600*		
		26.0	76.0	97.0	34 000*		
		28.0	74.8	96.4	31 000		
		30.0	73.5	95.9	27 600		
		32.0	72.3	95.2	24 900		
		34.0	71.1	94.6	22 500		
		36.0	69.8	93.9	20 400		
		38.0	68.6	93.1	18 500		
		40.0	67.3	92.3	16 900		
		42.0	66.0	91.4	15 400		
		44.0	64.7	90.5	14 100		
		46.0	63.4	89.5	12 900		
		48.0	62.1	88.4	11 800		
		50.0	60.7	87.3	10 800		
		52.0	59.4	86.2	9 900		
		54.0	58.0	84.9	9 100		
		56.0	56.6	83.7	8 300		
		58.0	55.2	82.3	7 600		
		60.0	53.7	80.8	6 900		
		62.0	52.3	79.3	6 300		
		64.0	50.7	77.7	5 700		
		66.0	49.2	76.0	5 200		
		9 7 5	3 2 0	68.0	47.6	74.2	4 700
				70.0	46.0	72.3	4 200
				72.0	44.4	70.3	3 700
				74.0	42.6	68.2	3 300
76.0	40.9			66.0	2 900		
78.0	39.0			63.6	2 500		
80.0	37.1			61.0	2 200		
82.0	35.1			58.2	1 800*		
1 0 0 6	3 3 0			14.6	83.0	102.2	39 800*
				15.0	82.8	102.2	39 400*
				16.0	82.2	102.0	38 300*
				18.0	81.1	101.7	36 000*
				20.0	79.9	101.4	34 100*
				22.0	78.7	101.0	32 400*
				24.0	77.6	100.6	30 800*
				26.0	76.4	100.1	29 500*
				28.0	75.2	99.6	28 200*
				30.0	74.1	99.0	27 000*
				32.0	72.9	98.4	25 200
				34.0	71.7	97.8	22 800
				36.0	70.5	97.1	20 800
				38.0	69.2	96.4	18 900
				40.0	68.0	95.6	17 200
				42.0	66.8	94.7	15 800
				44.0	65.5	93.8	14 500
				46.0	64.3	92.9	13 300
				48.0	63.0	91.9	12 200
				50.0	61.7	90.8	11 200
				52.0	60.4	89.7	10 300
				54.0	59.1	88.5	9 400
				56.0	57.7	87.3	8 700
				58.0	56.4	86.0	7 900
		60.0	55.0	84.6	7 300		
		62.0	53.6	83.2	6 700		
		64.0	52.2	81.6	6 100		
		66.0	50.7	80.0	5 500		
		68.0	49.2	78.3	5 000		
		70.0	47.7	76.5	4 600		
		72.0	46.1	74.7	4 100		
		74.0	44.5	72.7	3 700		
76.0	42.8	70.5	3 300				
78.0	41.1	68.3	2 900				
80.0	39.4	65.9	2 600				
82.0	37.5	63.4	2 200				