

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

**BOOM NO. 22E WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES**

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

360 DEGREE RATING

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 (*). CAPACITIES ARE NOT SHOWN FOR BOOM POSITIONS WHICH, WITHOUT LOAD, PROVIDE LESS THAN REQUIRED ANSI B30.5 BACKWARD STABILITY.

UPPER BOOM POINT CAPACITY FOR LIFTCRANE SERVICE WITH SINGLE PART WHIP LINE OR COMBINATION OF TWO SINGLE PART LINES IS 13 380 kg. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR 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 MAIN BOOM LOAD. 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. REFER TO BOOM RIGGING NO. 176519 AND WIRE ROPE SPECIFICATION CHART NO. 7773-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. REFER TO OPERATORS MANUAL FOR OPERATING GUIDELINES.

MACHINE TO TRAVEL ON A FIRM, LEVEL AND UNIFORMLY SUPPORTING SURFACE AND BOOM WITHIN BOOM ANGLE RANGE SHOWN IN CAPACITY CHART. REFER TO MAXIMUM ALLOWABLE TRAVEL SPECIFICATION CHART NO. 7771-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 8 585 mm EXTENDIBLE CRAWLERS, 1 219 mm TREADS, 3 124 mm RETRACTABLE GANTRY, 9 144 mm LIVE MAST, 20 PART BOOM HOIST REEVING, FOUR 35 mm BOOM PENDANTS, 81 240 kg CRANE COUNTERWEIGHT AND 19 960 kg CARBODY COUNTERWEIGHT.

DEDUCT FROM CAPACITIES
WHEN JIB IS ATTACHED

JIB LENGTH	JIB NO. 123
9.1m	1 130 kg
12.2m	1 410 kg
15.2m	1 680 kg
18.3m	2 000 kg

DEDUCT 1 810 kg FROM CAPACITIES
WHEN BOOM BUTT IS EQUIPPED
WITH AUXILIARY DRUM.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED WITHOUT AUXILIARY DRUM IN BOOM BUTT							
OVER FRONT OF BLOCKED CRAWLERS		OVER REAR OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS		OVER SIDE OF RETRACTED CRAWLERS	
BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123
(a) 88.4m	---	(a) 88.4m	---	(a) 79.2m	---	73.2m	---
(a) 85.3m	---	(a) 85.3m	---	76.2m	---	70.1m	9.1m
82.3m	---	82.3m	---	73.2m	15.2m	67.1m	18.3m
79.2m	15.2m	79.2m	15.2m	70.1m	18.3m		
76.2m	18.3m	76.2m	18.3m				
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 88.4m AND 85.3m BOOM AND CANNOT BE LIFTED OVER SIDE OF EXTENDED CRAWLERS ON 79.2m BOOM. WIRE ROPE GUIDE ASSEMBLY 179061 UPPER AND MIDDLE SHEAVES AND SHAFTS OR ASSEMBLY 92671 UPPER SHEAVE AND SHAFT MUST BE REMOVED ON 88.4m BOOM.							

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED WITH AUXILIARY DRUM IN BOOM BUTT							
OVER FRONT OF BLOCKED CRAWLERS		OVER REAR OF BLOCKED CRAWLERS		OVER SIDE OF EXTENDED CRAWLERS		OVER SIDE OF RETRACTED CRAWLERS	
BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123	BOOM LENGTH	JIB NO. 123
(a) 85.3m	---	(a) 85.3m	---	76.2m	---	70.1m	---
82.3m	---	82.3m	---	73.2m	12.2m	67.1m	15.2m
79.2m	12.2m	79.2m	12.2m	70.1m	18.3m	64.0m	18.3m
76.2m	18.3m	76.2m	18.3m				
LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 85.3m BOOM.							

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

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360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
2 1 3	7 0	5.2	82.8	23.6		186 200*
		5.5	82.0	23.5		176 100*
		6.0	80.6	23.4		162 200*
		7.0	77.9	23.2		139 900*
		8.0	75.1	22.9		122 800*
		9.0	72.2	22.5		109 200*
		10.0	69.4	22.1		95 500
		11.0	66.4	21.7		82 600
		12.0	63.4	21.1		72 800
		13.0	60.3	20.5		65 000
		14.0	57.0	19.9		58 500
		15.0	53.7	19.1		53 200
		16.0	50.1	18.2	41 900	48 600
		18.0	42.4	16.1	35 600	41 400
		20.0	33.0	13.3	30 900	35 900
2 4 4	8 0	5.5	83.0	26.6		155 900*
		6.0	81.8	26.5		151 800*
		7.0	79.4	26.3		140 600*
		8.0	77.0	26.0		122 500*
		9.0	74.5	25.7		108 900*
		10.0	72.1	25.4		95 500
		11.0	69.5	25.0		82 600
		12.0	67.0	24.6		72 800
		13.0	64.4	24.1		64 900
		14.0	61.7	23.5		58 500
		15.0	58.9	22.9	45 500	53 100
		16.0	56.0	22.2	41 700	48 600
		18.0	50.0	20.5	35 600	41 300
		20.0	43.3	18.5	30 800	35 800
		22.0	35.5	15.8	27 000	31 400
		24.0	25.6	12.1	23 900	27 800
2 7 4	9 0	6.1	82.5	29.6		136 800*
		7.0	80.6	29.4		130 600*
		8.0	78.5	29.2		122 400*
		9.0	76.3	28.9		108 600*
		10.0	74.1	28.6		95 500
		11.0	71.9	28.3		82 600
		12.0	69.7	27.9		72 700
		13.0	67.4	27.5		64 800
		14.0	65.1	27.0	49 800	58 400
		15.0	62.7	26.4	45 400	53 000
		16.0	60.3	25.8	41 500	48 500
		18.0	55.3	24.5	35 400	41 200
		20.0	49.9	22.8	30 700	35 700
		22.0	44.0	20.8	26 900	31 300
		24.0	37.3	18.3	23 800	27 700
		26.0	29.2	15.0	21 300	24 700
3 0 5	1 0 0	6.7	82.1	32.6		126 800*
		7.0	81.5	32.5		124 900*
		8.0	79.6	32.3		118 700*
		9.0	77.7	32.1		108 700*
		10.0	75.8	31.8		95 600
		11.0	73.8	31.5		82 600
		12.0	71.8	31.2		72 700
		13.0	69.8	30.8	55 100	64 800
		14.0	67.8	30.3	49 800	58 400
		15.0	65.7	29.9	45 300	53 000
		16.0	63.6	29.4	41 500	48 400
		18.0	59.2	28.2	35 400	41 100
		20.0	54.7	26.8	30 600	35 600
		22.0	49.8	25.1	26 900	31 200
		24.0	44.5	23.1	23 700	27 600
		26.0	38.6	20.7	21 200	24 700
		28.0	31.8	17.7	19 000	22 200
		30.0	23.1	13.5	17 100	20 000

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
3 3 5	1 1 0	6.7	82.8	35.7		120 800*
		7.0	82.3	35.6		118 900*
		8.0	80.6	35.4		113 000*
		9.0	78.8	35.2		107 200*
		10.0	77.1	35.0		95 600
		11.0	75.3	34.7		82 500
		12.0	73.5	34.4		72 600
		13.0	71.7	34.0	55 000	64 700
		14.0	69.9	33.7	49 600	58 200
		15.0	68.1	33.2	45 100	52 800
		16.0	66.2	32.8	41 300	48 300
		18.0	62.3	31.7	35 200	41 000
		20.0	58.3	30.5	30 400	35 400
		22.0	54.2	29.1	26 600	31 000
		24.0	49.7	27.4	23 600	27 400
3 6 6	1 2 0	26.0	44.9	25.5	21 000	24 500
		28.0	39.7	23.1	18 800	22 000
		30.0	33.7	20.3	17 000	19 900
		32.0	26.6	16.6	15 400	18 100
		7.3	82.5	38.6		113 200*
		8.0	81.4	38.5		109 300*
		9.0	79.8	38.3		104 100*
		10.0	78.2	38.1		95 800
		11.0	76.6	37.9		82 400
		12.0	75.0	37.6	61 300	72 500
		13.0	73.3	37.3	54 800	64 500
		14.0	71.7	36.9	49 400	58 100
		15.0	70.0	36.5	45 000	52 700
		16.0	68.3	36.1	41 100	48 100
		18.0	64.8	35.2	35 000	40 800
3 9 6	1 3 0	20.0	61.3	34.1	30 300	35 300
		22.0	57.6	32.8	26 500	30 900
		24.0	53.7	31.4	23 400	27 300
		26.0	49.7	29.7	20 900	24 400
		28.0	45.3	27.8	18 700	21 900
		30.0	40.6	25.5	16 900	19 800
		32.0	35.3	22.8	15 300	17 900
		34.0	29.1	19.4	13 800	16 300
		36.0	21.4	14.9	12 600	14 900
		7.9	82.2	41.6		106 500*
		8.0	82.1	41.6		106 100*
		9.0	80.6	41.4		101 000*
		10.0	79.1	41.2		95 000
		11.0	77.6	41.0	69 200	82 400
		12.0	76.1	40.7	61 200	72 500
		13.0	74.6	40.5	54 700	64 500
		14.0	73.1	40.1	49 400	58 100
		15.0	71.6	39.8	44 900	52 700
		16.0	70.1	39.4	41 100	48 100
		18.0	66.9	38.6	34 900	40 800
		20.0	63.7	37.6	30 200	35 200
		22.0	60.4	36.5	26 500	30 800
		24.0	56.9	35.2	23 400	27 300
		26.0	53.4	33.7	20 800	24 300
		28.0	49.6	32.0	18 600	21 800
		30.0	45.6	30.1	16 800	19 700
		32.0	41.3	27.9	15 200	17 900
		34.0	36.5	25.3	13 800	16 300
		36.0	31.1	22.1	12 600	14 900
		38.0	24.7	18.1	11 500	13 600

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BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS	BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
4 2 · 7	1 4 0	7.9	82.7	44.7		103 600*	4 8 · 8	1 6 0	30.0	55.5	42.1	16 200	19 100
		8.0	82.6	44.7		103 200*			32.0	52.6	40.6	14 600	17 300
		9.0	81.3	44.5		98 200*			34.0	49.5	38.9	13 200	15 700
		10.0	79.9	44.3		93 100			36.0	46.3	37.0	12 000	14 400
		11.0	78.5	44.1	69 000	82 200			38.0	42.8	34.9	10 900	13 100
		12.0	77.2	43.9	61 000	72 300			40.0	39.2	32.5	9 900	12 000
		13.0	75.8	43.6	54 600	64 400			42.0	35.2	29.8	9 100	11 000
		14.0	74.4	43.3	49 300	57 900			44.0	30.7	26.5	8 200	10 100
		15.0	73.0	43.0	44 800	52 500			46.0	25.6	22.6	7 500	9 300
		16.0	71.5	42.7	41 000	48 000			48.0	19.0	17.4	6 800	8 500
	1 5 0	18.0	68.7	41.9	34 800	40 700	5 1 · 8	1 7 0	9.1	82.7	53.8	88 600*	88 600*
		20.0	65.7	41.0	30 100	35 100			10.0	81.7	53.6	78 900	85 800*
		22.0	62.7	40.0	26 300	30 700			11.0	80.6	53.5	68 600	82 000
		24.0	59.6	38.8	23 200	27 100			12.0	79.5	53.3	60 600	71 900
		26.0	56.4	37.5	20 700	24 200			13.0	78.3	53.1	54 100	64 000
		28.0	53.1	36.0	18 500	21 700			14.0	77.2	52.8	48 800	57 500
		30.0	49.6	34.3	16 700	19 600			15.0	76.0	52.6	44 300	52 100
		32.0	45.8	32.4	15 100	17 700			16.0	74.9	52.3	40 400	47 400
		34.0	41.9	30.2	13 700	16 100			18.0	72.6	51.7	34 300	40 200
		36.0	37.6	27.7	12 400	14 700			20.0	70.2	50.9	29 500	34 600
4 5 · 7	1 6 0	38.0	32.7	24.7	11 300	13 500	5 4 · 9	1 8 0	22.0	67.9	50.1	25 700	30 100
		40.0	27.1	21.1	10 300	12 400			24.0	65.4	49.2	22 700	26 600
		42.0	20.1	16.2	9 400	11 400			26.0	63.0	48.2	20 100	23 600
									28.0	60.4	47.1	18 000	21 100
		8.5	82.4	47.7		97 600*			30.0	57.8	45.8	16 100	19 000
		9.0	81.9	47.6		95 500*			32.0	55.1	44.4	14 500	17 200
		10.0	80.6	47.4		91 100*			34.0	52.3	42.9	13 100	15 600
		11.0	79.3	47.2	68 900	82 100			36.0	49.5	41.2	11 900	14 200
		12.0	78.0	47.0	60 900	72 200			38.0	46.4	39.3	10 800	13 000
		13.0	76.7	46.8	54 400	64 300			40.0	43.2	37.3	9 800	11 900
	1 5 0	14.0	75.4	46.5	49 100	57 800			42.0	39.8	34.9	8 900	10 900
		15.0	74.1	46.2	44 600	52 400			44.0	36.1	32.2	8 100	10 000
		16.0	72.8	45.9	40 700	47 800			46.0	32.1	29.2	7 400	9 100
		18.0	70.2	45.2	34 600	40 500			48.0	27.5	25.5	6 700	8 400
		20.0	67.5	44.3	29 800	34 900			50.0	22.0	20.9	6 100	7 700
		22.0	64.7	43.4	26 000	30 500							
		24.0	61.8	42.3	23 000	26 900							
		26.0	58.9	41.1	20 400	24 000							
		28.0	55.9	39.8	18 300	21 500							
		30.0	52.8	38.3	16 400	19 300			9.8	82.4	56.8	81 500	83 100*
4 8 · 8	1 6 0	32.0	49.5	36.6	14 800	17 500			10.0	82.2	56.7	78 700	82 500*
		34.0	46.1	34.7	13 400	15 900			11.0	81.1	56.6	68 400	79 600
		36.0	42.4	32.6	12 200	14 500			12.0	80.0	56.4	60 400	72 000
		38.0	38.4	30.1	11 100	13 300			13.0	79.0	56.2	53 900	63 800
		40.0	34.1	27.3	10 100	12 200			14.0	77.9	55.9	48 600	57 300
		42.0	29.1	23.9	9 200	11 100			15.0	76.8	55.7	44 100	51 900
		44.0	23.2	19.5	8 400	10 200			16.0	75.8	55.4	40 300	47 300
									18.0	73.6	54.9	34 100	40 000
									20.0	71.4	54.2	29 300	34 400
	1 8 0	8.5	82.9	50.8		94 500*			22.0	69.2	53.4	25 500	30 000
		9.0	82.4	50.7		92 600*			24.0	66.9	52.6	22 500	26 400
		10.0	81.2	50.5	79 000	88 700*			26.0	64.6	51.6	19 900	23 500
		11.0	80.0	50.4	68 700	82 000			28.0	62.2	50.6	17 700	21 000
		12.0	78.8	50.2	60 700	72 000			30.0	59.8	49.4	15 900	18 900
		13.0	77.6	49.9	54 200	64 100			32.0	57.3	48.2	14 300	17 000
		14.0	76.4	49.7	48 900	57 600			34.0	54.8	46.8	12 900	15 400
		15.0	75.2	49.4	44 400	52 200			36.0	52.2	45.2	11 700	14 000
		16.0	73.9	49.1	40 500	47 600			38.0	49.4	43.5	10 600	12 800
		18.0	71.5	48.4	34 400	40 300			40.0	46.6	41.7	9 600	11 700
	1 6 0	20.0	68.9	47.7	29 700	34 700			42.0	43.6	39.6	8 800	10 700
		22.0	66.4	46.8	25 900	30 300			44.0	40.4	37.3	8 000	9 800
		24.0	63.8	45.8	22 800	26 700			46.0	37.0	34.7	7 200	9 000
		26.0	61.1	44.7	20 300	23 800			48.0	33.2	31.7	6 600	8 200
		28.0	58.3	43.5	18 100	21 300			50.0	29.1	28.3	6 000	7 500
									52.0	24.3	24.1	5 400	6 900

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BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
5 7 9	1 9 0	9.8	82.8	59.8	79 100*	79 100*
		10.0	82.6	59.8	77 200	78 500*
		11.0	81.6	59.7	68 300	76 100*
		12.0	80.6	59.5	60 300	71 900
		13.0	79.6	59.3	53 800	63 700
		14.0	78.6	59.1	48 400	57 100
		15.0	77.5	58.8	43 900	51 700
		16.0	76.5	58.6	40 000	47 100
		18.0	74.5	58.0	33 900	39 800
		20.0	72.4	57.4	29 100	34 200
		22.0	70.3	56.7	25 300	29 800
		24.0	68.2	55.9	22 300	26 200
		26.0	66.0	55.0	19 700	23 200
		28.0	63.8	54.0	17 500	20 700
		30.0	61.6	53.0	15 700	18 600
		32.0	59.3	51.8	14 100	16 800
		34.0	56.9	50.5	12 700	15 200
		36.0	54.5	49.1	11 500	13 800
		38.0	52.0	47.5	10 400	12 600
		40.0	49.4	45.8	9 400	11 500
		42.0	46.7	44.0	8 500	10 500
		44.0	43.9	41.9	7 700	9 600
		46.0	40.9	39.6	7 000	8 700
		48.0	37.7	37.1	6 300	8 000
		50.0	34.2	34.3	5 700	7 300
6 1 0	2 0 0	52.0	30.4	31.0	5 200	6 700
		54.0	26.1	27.1	4 600	6 100
		56.0	21.0	22.3	4 100	5 500
		10.4	82.6	62.8	73 900*	73 900*
		11.0	82.0	62.7	68 100	72 700*
		12.0	81.1	62.6	60 000	70 400
		13.0	80.1	62.4	53 600	63 500
		14.0	79.1	62.2	48 200	57 000
		15.0	78.2	62.0	43 700	51 500
		16.0	77.2	61.7	39 800	46 900
		18.0	75.3	61.2	33 700	39 600
		20.0	73.3	60.6	28 900	34 000
		22.0	71.3	59.9	25 100	29 600
		24.0	69.3	59.2	22 000	26 000
		26.0	67.3	58.4	19 500	23 000
		28.0	65.2	57.4	17 300	20 600
		30.0	63.1	56.4	15 500	18 400
		32.0	61.0	55.3	13 900	16 600
		34.0	58.8	54.1	12 500	15 000
		36.0	56.5	52.8	11 300	13 600
		38.0	54.2	51.4	10 200	12 300
		40.0	51.8	49.8	9 200	11 200
		42.0	49.4	48.1	8 300	10 200
		44.0	46.8	46.3	7 500	9 300
		46.0	44.1	44.2	6 800	8 600
		48.0	41.3	42.0	6 100	7 800
		50.0	38.3	39.5	5 500	7 100
		52.0	35.1	36.7	5 000	6 500
		54.0	31.6	33.6	4 400	5 900
		56.0	27.7	29.9	3 900	5 400
		58.0	23.2	25.6	3 500	4 800

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
6 4 0	2 1 0	11.0	82.4	65.8	68 200	69 100*
		12.0	81.5	65.7	59 900	67 300*
		13.0	80.6	65.5	53 400	63 600
		14.0	79.7	65.3	48 000	56 800
		15.0	78.8	65.1	43 600	51 400
		16.0	77.8	64.9	39 700	46 800
		18.0	76.0	64.4	33 500	39 400
		20.0	74.1	63.8	28 800	33 900
		22.0	72.3	63.2	25 000	29 400
		24.0	70.4	62.5	21 900	25 800
		26.0	68.4	61.7	19 300	22 900
		28.0	66.5	60.8	17 200	20 400
		30.0	64.5	59.8	15 300	18 300
		32.0	62.5	58.8	13 700	16 400
		34.0	60.4	57.7	12 300	14 800
		36.0	58.3	56.5	11 100	13 400
		38.0	56.2	55.1	10 000	12 200
		40.0	54.0	53.7	9 000	11 100
		42.0	51.7	52.1	8 200	10 100
		44.0	49.4	50.4	7 400	9 200
		46.0	46.9	48.6	6 600	8 400
		48.0	44.4	46.6	6 000	7 700
		50.0	41.7	44.3	5 400	6 900
		52.0	38.9	41.9	4 800	6 300
		54.0	35.9	39.2	4 300	5 700
6 7 1	2 2 0	56.0	32.6	36.2	3 800	5 200
		58.0	29.1	32.7	3 400	4 700
		60.0	25.0	28.6	3 000	4 200
		62.0	20.2	23.6	2 500	3 800
		11.0	82.8	68.9	64 600*	64 600*
		12.0	81.9	68.8	60 100	63 900*
		13.0	81.0	68.6	53 200	62 000
		14.0	80.1	68.4	47 900	56 700
		15.0	79.3	68.2	43 400	51 200
		16.0	78.4	68.0	39 500	46 600
		18.0	76.6	67.5	33 300	39 200
		20.0	74.9	67.0	28 500	33 600
		22.0	73.1	66.4	24 800	29 200
		24.0	71.3	65.7	21 700	25 600
		26.0	69.5	65.0	19 100	22 700
		28.0	67.6	64.1	17 000	20 200
		30.0	65.7	63.2	15 100	18 100
		32.0	63.8	62.3	13 500	16 200
		34.0	61.9	61.2	12 100	14 600
		36.0	59.9	60.0	10 900	13 200
		38.0	57.9	58.8	9 800	12 000
		40.0	55.9	57.4	8 800	10 900
		42.0	53.8	56.0	7 900	9 900
		44.0	51.6	54.4	7 100	9 000
		46.0	49.3	52.7	6 400	8 200
		48.0	47.0	50.9	5 800	7 400
		50.0	44.6	48.9	5 200	6 800
		52.0	42.1	46.7	4 600	6 100
		54.0	39.4	44.3	4 100	5 500
		56.0	36.6	41.7	3 600	5 000
		58.0	33.6	38.7	3 200	4 500
		60.0	30.2	35.4	2 700	4 000
		62.0	26.6	31.6	2 400	3 600
		64.0	22.3	27.0	2 000	3 200

MANITOWOC ENGINEERING CO.

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LIFT CRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP

OFFSET 4-1/2 DEGREES

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
7 0 :1	2 3 0	11.6	82.6	71.9	58 400*	58 400*
		12.0	82.2	71.8	58 300	58 300*
		13.0	81.4	71.7	53 100	58 100*
		14.0	80.6	71.5	47 700	56 500
		15.0	79.7	71.3	43 200	51 000
		16.0	78.9	71.1	39 300	46 400
		18.0	77.2	70.7	33 100	39 100
		20.0	75.5	70.1	28 300	33 400
		22.0	73.8	69.6	24 500	29 000
		24.0	72.1	68.9	21 400	25 400
		26.0	70.4	68.2	18 900	22 500
		28.0	68.6	67.4	16 700	20 000
		30.0	66.9	66.6	14 900	17 800
		32.0	65.1	65.7	13 300	16 000
		34.0	63.2	64.7	11 900	14 400
		36.0	61.4	63.6	10 600	13 000
		38.0	59.5	62.4	9 600	11 800
		40.0	57.6	61.1	8 600	10 600
		42.0	55.6	59.8	7 700	9 700
		44.0	53.6	58.3	6 900	8 700
		46.0	51.5	56.7	6 200	7 900
		48.0	49.3	55.0	5 500	7 200
		50.0	47.1	53.2	4 900	6 500
		52.0	44.8	51.2	4 300	5 900
		54.0	42.4	49.0	3 800	5 300
7 3 :2	2 4 0	56.0	39.9	46.7	3 400	4 800
		58.0	37.2	44.1	2 900	4 300
		60.0	34.4	41.2	2 500	3 800
		62.0	31.3	38.0	2 100	3 400
		64.0	27.9	34.4	1 800	2 900
		66.0	24.0	30.1		2 600
		68.0	19.5	24.9		2 200
		12.2	82.4	74.9	52 700*	52 700*
		13.0	81.8	74.8	52 100	52 500*
		14.0	81.0	74.6	47 600	52 300*
		15.0	80.2	74.4	43 000	50 900
		16.0	79.4	74.2	39 200	46 600
		18.0	77.8	73.8	33 000	38 900
		20.0	76.2	73.3	28 200	33 300
		22.0	74.5	72.7	24 400	28 800
		24.0	72.9	72.1	21 300	25 200
		26.0	71.3	71.5	18 700	22 300
		28.0	69.6	70.7	16 500	19 800
		30.0	67.9	69.9	14 700	17 700
		32.0	66.2	69.0	13 100	15 800
		34.0	64.4	68.1	11 700	14 200
		36.0	62.7	67.0	10 400	12 800
		38.0	60.9	65.9	9 300	11 600
		40.0	59.1	64.7	8 400	10 500
		42.0	57.2	63.5	7 500	9 500
		44.0	55.3	62.1	6 700	8 600
		46.0	53.4	60.6	6 000	7 700
		48.0	51.4	59.0	5 300	7 000
		50.0	49.3	57.3	4 700	6 300
		52.0	47.2	55.5	4 200	5 700
		54.0	45.0	53.5	3 600	5 100
		56.0	42.7	51.4	3 200	4 600
		58.0	40.3	49.0	2 700	4 100
		60.0	37.8	46.5	2 300	3 600
		62.0	35.1	43.7	1 900	3 200
		64.0	32.2	40.6		2 800
		66.0	29.1	37.1		2 400
		68.0	25.5	33.1		2 000

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
7 6 :2	2 5 0	12.2	82.7	78.0	47 900*	47 900*
		13.0	82.1	77.8	47 800*	47 800*
		14.0	81.3	77.7	47 300	47 500*
		15.0	80.6	77.5	42 800	47 300*
		16.0	79.8	77.3	39 000	45 800
		18.0	78.3	76.9	32 800	38 900
		20.0	76.7	76.4	28 000	33 100
		22.0	75.2	75.9	24 200	28 600
		24.0	73.6	75.3	21 100	25 100
		26.0	72.0	74.7	18 500	22 100
		28.0	70.4	74.0	16 400	19 600
		30.0	68.8	73.2	14 500	17 500
		32.0	67.2	72.4	12 900	15 600
		34.0	65.5	71.5	11 500	14 100
		36.0	63.9	70.5	10 300	12 600
		38.0	62.2	69.4	9 200	11 400
		40.0	60.4	68.3	8 200	10 300
		42.0	58.7	67.1	7 300	9 300
		44.0	56.9	65.8	6 600	8 400
		46.0	55.1	64.4	5 800	7 600
		48.0	53.2	62.9	5 100	6 800
		50.0	51.3	61.3	4 600	6 200
		52.0	49.3	59.6	4 000	5 500
		54.0	47.3	57.8	3 500	4 900
		56.0	45.2	55.8	3 000	4 400
		58.0	43.0	53.7	2 600	3 900
		60.0	40.7	51.4	2 100	3 400
		62.0	38.3	48.9		3 000
		64.0	35.7	46.2		2 600
		66.0	33.0	43.2		2 200
		68.0	30.1	39.8		1 900
7 9 :2	2 6 0	12.8	82.5	81.0	43 600*	43 600*
		13.0	82.4	80.9	43 600*	43 600*
		14.0	81.7	80.8	43 400*	43 400*
		15.0	80.9	80.6	42 500	43 200*
		16.0	80.2	80.4	39 200	43 000*
		18.0	78.7	80.0	32 500	39 000
		20.0	77.3	79.6	27 800	32 900
		22.0	75.8	79.1	24 000	28 500
		24.0	74.3	78.5	20 900	24 900
		26.0	72.7	77.9	18 300	21 900
		28.0	71.2	77.2	16 200	19 400
		30.0	69.7	76.5	14 300	17 200
		32.0	68.1	75.7	12 700	15 400
		34.0	66.5	74.8	11 300	13 800
		36.0	65.0	73.9	10 100	12 400
		38.0	63.3	72.9	9 000	11 200
		40.0	61.7	71.8	8 000	10 100
		42.0	60.0	70.7	7 100	9 100
		44.0	58.3	69.4	6 300	8 200
		46.0	56.6	68.1	5 600	7 400
		48.0	54.8	66.7	4 900	6 600
		50.0	53.0	65.2	4 300	5 900
		52.0	51.2	63.6	3 800	5 300
		54.0	49.3	61.9	3 300	4 700
		56.0	47.3	60.1	2 800	4 200
		58.0	45.3	58.1	2 300	3 700
		60.0	43.2	56.0	1 900	3 200
		62.0	41.0	53.8		2 800
		64.0	38.7	51.3		2 400
		66.0	36.3	48.6		2 000

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LIFT CRANE BOOM CAPACITIES

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888 SERIES 2

BOOM NO. 22E WITH OPEN THROAT TOP

OFFSET 4-1/2 DEGREES

81 240 kg CRANE COUNTERWEIGHT

19 960 kg CARBODY COUNTERWEIGHT

360 DEGREE RATING

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
8 2 · 3	2 7 0	13.4	82.4	84.0	39 300*	39 300*
		14.0	82.0	83.9	39 100*	39 100*
		15.0	81.3	83.7	39 000*	39 000*
		16.0	80.6	83.5	37 900	38 800*
		18.0	79.2	83.1	32 600	37 700
		20.0	77.7	82.7	27 600	32 700
		22.0	76.3	82.2	23 800	28 200
		24.0	74.9	81.7	20 700	24 600
		26.0	73.4	81.1	18 100	21 700
		28.0	71.9	80.4	15 900	19 200
		30.0	70.5	79.7	14 100	17 000
		32.0	69.0	79.0	12 500	15 200
		34.0	67.5	78.1	11 100	13 600
		36.0	65.9	77.2	9 800	12 200
		38.0	64.4	76.3	8 700	10 900
		40.0	62.8	75.3	7 800	9 800
		42.0	61.3	74.2	6 900	8 800
		44.0	59.6	73.0	6 100	7 900
		46.0	58.0	71.8	5 300	7 100
		48.0	56.3	70.4	4 700	6 400
		50.0	54.6	69.0	4 100	5 700
		52.0	52.9	67.5	3 500	5 100
		54.0	51.1	65.9	3 000	4 500
		56.0	49.3	64.2	2 500	4 000
		58.0	47.4	62.4	2 100	3 500
8 5 · 3	2 8 0	13.4	82.7	87.0	35 900*	35 900*
		14.0	82.3	86.9	35 800*	35 800*
		15.0	81.6	86.8	35 600*	35 600*
		16.0	80.9	86.6	35 400*	35 400*
		18.0	79.5	86.3	32 400	35 000*
		20.0	78.2	85.8	27 300	32 600
		22.0	76.8	85.4	23 500	28 000
		24.0	75.4	84.8	20 400	24 400
		26.0	74.0	84.3	17 800	21 500
		28.0	72.6	83.7	15 700	19 000
		30.0	71.2	83.0	13 800	16 800
		32.0	69.8	82.2	12 200	15 000
		34.0	68.3	81.4	10 800	13 400
		36.0	66.9	80.6	9 600	12 000
		38.0	65.4	79.7	8 500	10 700
		40.0	63.9	78.7	7 500	9 600
		42.0	62.4	77.7	6 600	8 600
		44.0	60.8	76.5	5 800	7 700
		46.0	59.3	75.4	5 100	6 900
		48.0	57.7	74.1	4 500	6 200
		50.0	56.1	72.8	3 800	5 500
		52.0	54.4	71.3	3 300	4 800
		54.0	52.8	69.8	2 800	4 300
		56.0	51.0	68.2	2 300	3 700
		58.0	49.3	66.5		3 200
		60.0	47.5	64.7		2 800
		62.0	45.6	62.8		2 300
		64.0	43.7	60.7		1 900
8 8 · 4	2 9 0	14.0	82.5	90.0	32 700*	32 700*
		15.0	81.9	89.9	32 500*	32 500*
		16.0	81.2	89.7	32 400*	32 400*
		18.0	79.9	89.4	31 400	31 900*
		20.0	78.6	89.0	27 200	31 400
		22.0	77.3	88.5	23 400	28 000
		24.0	75.9	88.0	20 300	24 200
		26.0	74.6	87.5	17 700	21 300
		28.0	73.2	86.9	15 500	18 800
		30.0	71.9	86.2	13 700	16 600
		32.0	70.5	85.5	12 100	14 800
		34.0	69.1	84.7	10 700	13 200
		36.0	67.7	83.9	9 400	11 800
		38.0	66.3	83.0	8 300	10 500
		40.0	64.9	82.1	7 300	9 400
		42.0	63.4	81.1	6 400	8 400

BOOM LENGTH METERS	BOOM LGTH. FEET	OPER. RADIUS METERS	BOOM ANG. DEG.	BOOM POINT ELEV. METERS	BOOM CAPACITY CRAWLERS RETRACTED KILOGRAMS	BOOM CAPACITY CRAWLERS EXTENDED KILOGRAMS
8 8 · 4	2 9 0	44.0	61.9	80.0	5 600	7 500
		46.0	60.5	78.9	4 900	6 700
		48.0	58.9	77.7	4 300	6 000
		50.0	57.4	76.4	3 700	5 300
		52.0	55.9	75.1	3 100	4 700
		54.0	54.3	73.7	2 600	4 100
		56.0	52.6	72.1	2 100	3 500
		58.0	51.0	70.5		3 100
		60.0	49.3	68.8		2 600
		62.0	47.5	67.0		2 100