

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

BOOM NO. 22E WITH LIGHT TAPERED TOP 65 360 kg 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 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. 176931 AND WIRE ROPE SPECIFICATION CHART NO. 7774-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. 7772-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 MAST, 20 PART BOOM HOIST REEVING, FOUR 35 mm BOOM PENDANTS, AND 65 360 kg 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

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED

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	9.1m	67.1m	15.2m
79.2m	15.2m	79.2m	9.1m	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.

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	7.3	80.1	35.5		120 400*
		8.0	78.9	35.4		110 300
		9.0	77.1	35.1		90 700
		10.0	75.4	34.9		77 100
		11.0	73.6	34.6		66 900
		12.0	71.8	34.3		58 900
		13.0	70.0	34.0		52 600
		14.0	68.2	33.6		47 400
		15.0	66.3	33.2		43 100
		16.0	64.4	32.7		39 400
		18.0	60.6	31.7	29 000	33 500
		20.0	56.6	30.4	25 100	29 100
		22.0	52.4	29.0	22 100	25 500
		24.0	47.9	27.3	19 600	22 700
		26.0	43.1	25.4	17 600	20 300
		28.0	37.8	23.0	15 800	18 300
		30.0	31.9	20.2	14 300	16 600
		32.0	24.6	16.4	13 000	15 100

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 6 - 6	1 2 0	7.3	80.9	38.6		120 400*
		8.0	79.8	38.5		110 500
		9.0	78.2	38.3		90 800
		10.0	76.6	38.0		77 100
		11.0	75.0	37.8		66 900
		12.0	73.4	37.5		58 900
		13.0	71.7	37.2		52 500
		14.0	70.1	36.8		47 300
		15.0	68.4	36.5	36 800	43 000
		16.0	66.7	36.0	33 700	39 300
		18.0	63.2	35.1	28 800	33 400
		20.0	59.7	34.0	24 900	28 900
		22.0	56.0	32.8	21 900	25 400
		24.0	52.1	31.3	19 400	22 500
		26.0	48.0	29.6	17 300	20 100
		28.0	43.6	27.7	15 600	18 100
		30.0	38.9	25.4	14 100	16 400
		32.0	33.6	22.7	12 800	14 900
		34.0	27.4	19.3	11 700	13 600
		36.0	19.5	14.7	10 600	12 500

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BOOM NO. 22E WITH LIGHT TAPERED TOP
65 360 kg 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
3 9 6	1 3 0	7.9	80.7	41.6		111 900
		8.0	80.6	41.6		110 300
		9.0	79.1	41.4		90 800
		10.0	77.6	41.2		77 000
		11.0	76.2	40.9		66 800
		12.0	74.7	40.7		58 700
		13.0	73.2	40.4		52 400
		14.0	71.6	40.1		47 200
		15.0	70.1	39.7	36 600	42 800
		16.0	68.6	39.3	33 500	39 100
		18.0	65.4	38.5	28 600	33 200
		20.0	62.2	37.5	24 800	28 700
		22.0	58.9	36.4	21 700	25 200
		24.0	55.4	35.1	19 200	22 300
		26.0	51.9	33.6	17 100	19 900
		28.0	48.1	31.9	15 400	17 900
		30.0	44.1	30.0	13 900	16 200
		32.0	39.7	27.8	12 600	14 700
		34.0	35.0	25.2	11 400	13 400
		36.0	29.5	22.0	10 400	12 300
		38.0	23.0	17.9	9 500	11 200
4 2 7	1 4 0	8.5	80.5	44.6		98 800
		9.0	79.9	44.5		90 900
		10.0	78.5	44.3		76 900
		11.0	77.2	44.1		66 700
		12.0	75.8	43.8		58 600
		13.0	74.4	43.6	44 400	52 300
		14.0	73.0	43.3	40 100	47 000
		15.0	71.6	42.9	36 500	42 700
		16.0	70.2	42.6	33 400	39 000
		18.0	67.3	41.8	28 400	33 100
		20.0	64.3	40.9	24 600	28 600
		22.0	61.3	39.9	21 500	25 000
		24.0	58.2	38.7	19 000	22 200
		26.0	55.0	37.4	17 000	19 800
		28.0	51.7	35.9	15 200	17 700
		30.0	48.1	34.2	13 700	16 100
		32.0	44.4	32.3	12 400	14 600
		34.0	40.4	30.1	11 300	13 300
		36.0	36.1	27.6	10 300	12 100
		38.0	31.3	24.6	9 400	11 200
4 5 7	1 5 0	40.0	25.6	20.9	8 600	10 200
		42.0	18.5	16.0	7 900	9 400
		9.1	80.4	47.5		88 400
		10.0	79.3	47.4		76 800
		11.0	78.0	47.2		66 500
		12.0	76.8	47.0		58 500
		13.0	75.5	46.7	44 200	52 100
		14.0	74.2	46.4	39 900	46 900
		15.0	72.9	46.1	36 300	42 500
		16.0	71.5	45.8	33 200	38 800
		18.0	68.9	45.1	28 200	32 900
		20.0	66.2	44.3	24 300	28 400
		22.0	63.4	43.3	21 300	24 800
		24.0	60.6	42.3	18 800	21 900
		26.0	57.6	41.1	16 700	19 500
		28.0	54.6	39.7	15 000	17 600
		30.0	51.5	38.2	13 500	15 800
		32.0	48.2	36.5	12 200	14 300
		34.0	44.7	34.6	11 100	13 000
		36.0	41.1	32.5	10 100	11 900
		38.0	37.1	30.0	9 200	10 900
		40.0	32.7	27.2	8 400	10 000
		42.0	27.7	23.7	7 700	9 200
		44.0	21.7	19.4	7 000	8 500

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 8 8	1 6 0	9.1	81.0	50.6		88 200
		10.0	80.0	50.5		76 700
		11.0	78.8	50.3	55 800	66 400
		12.0	77.6	50.1	49 300	58 300
		13.0	76.4	49.9	44 000	51 900
		14.0	75.2	49.6	39 700	46 700
		15.0	74.0	49.3	36 100	42 300
		16.0	72.7	49.0	33 000	38 600
		18.0	70.3	48.4	28 000	32 700
		20.0	67.7	47.6	24 200	28 200
		22.0	65.2	46.7	21 100	24 600
		24.0	62.6	45.7	18 600	21 700
		26.0	59.9	44.6	16 600	19 400
		28.0	57.1	43.4	14 800	17 400
		30.0	54.3	42.1	13 300	15 600
		32.0	51.3	40.5	12 000	14 200
		34.0	48.2	38.8	10 900	12 900
		36.0	45.0	37.0	9 900	11 800
		38.0	41.6	34.8	9 000	10 700
		40.0	37.9	32.4	8 200	9 900
5 1 8	1 7 0	42.0	33.9	29.7	7 500	9 000
		44.0	29.4	26.4	6 800	8 300
		46.0	24.2	22.5	6 200	7 600
		9.8	80.9	53.6		79 600
		10.0	80.6	53.6		76 800
		11.0	79.5	53.4	55 600	66 300
		12.0	78.3	53.2	49 200	58 200
		13.0	77.2	53.0	43 900	51 800
		14.0	76.1	52.8	39 600	46 600
		15.0	74.9	52.5	36 000	42 200
		16.0	73.8	52.2	32 900	38 500
		18.0	71.5	51.6	27 900	32 600
		20.0	69.1	50.9	24 000	28 100
		22.0	66.7	50.1	21 000	24 500
		24.0	64.3	49.1	18 500	21 600
		26.0	61.8	48.1	16 400	19 200
		28.0	59.3	47.0	14 700	17 200
		30.0	56.7	45.7	13 200	15 500
		32.0	54.0	44.4	11 900	14 100
		34.0	51.2	42.8	10 800	12 800
5 4 9	1 8 0	36.0	48.3	41.1	9 800	11 600
		38.0	45.3	39.3	8 900	10 600
		40.0	42.1	37.2	8 100	9 700
		42.0	38.6	34.8	7 400	8 900
		44.0	34.9	32.1	6 700	8 200
		46.0	30.9	29.0	6 100	7 500
		48.0	26.2	25.4	5 600	6 900
		50.0	20.7	20.8	5 100	6 300
		10.4	80.7	56.6	60 500	72 400
		11.0	80.1	56.5	55 500	66 100
		12.0	79.0	56.3	49 000	58 100
		13.0	77.9	56.1	43 800	51 700
		14.0	76.9	55.9	39 400	46 400
		15.0	75.8	55.6	35 800	42 000
		16.0	74.7	55.4	32 700	38 300
		18.0	72.5	54.8	27 700	32 400
		20.0	70.3	54.1	23 800	27 900
		22.0	68.1	53.4	20 800	24 300
		24.0	65.8	52.5	18 300	21 400
		26.0	63.5	51.6	16 200	19 000
		28.0	61.1	50.5	14 500	17 100
		30.0	58.7	49.4	13 000	15 300
		32.0	56.3	48.1	11 700	13 900
		34.0	53.7	46.7	10 600	12 600
		36.0	51.1	45.1	9 600	11 500
		38.0	48.3	43.4	8 700	10 400
		40.0	45.5	41.6	7 900	9 500
		42.0	42.5	39.5	7 200	8 700
		44.0	39.3	37.2	6 500	8 000
		46.0	35.8	34.6	5 900	7 300
		48.0	32.1	31.6	5 400	6 700
		50.0	27.9	28.2	4 900	6 200
		52.0	23.1	24.0	4 400	5 700

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65 360 kg 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
5 7 9	1 9 0	11.0	80.6	59.6	55 500	66 300
		12.0	79.6	59.4	48 800	57 900
		13.0	78.6	59.2	43 600	51 500
		14.0	77.6	59.0	39 200	46 200
		15.0	76.5	58.8	35 600	41 900
		16.0	75.5	58.5	32 500	38 100
		18.0	73.5	58.0	27 500	32 200
		20.0	71.4	57.3	23 600	27 700
		22.0	69.3	56.6	20 600	24 100
		24.0	67.2	55.8	18 100	21 200
		26.0	65.0	54.9	16 000	18 800
		28.0	62.8	54.0	14 300	16 800
		30.0	60.5	52.9	12 800	15 100
		32.0	58.2	51.7	11 500	13 600
		34.0	55.9	50.4	10 400	12 400
		36.0	53.5	49.0	9 300	11 200
		38.0	51.0	47.4	8 500	10 200
		40.0	48.4	45.7	7 700	9 300
		42.0	45.7	43.9	6 900	8 500
		44.0	42.8	41.8	6 300	7 800
6 1 0	2 0 0	46.0	39.8	39.5	5 700	7 100
		48.0	36.6	37.0	5 200	6 500
		50.0	33.2	34.1	4 700	5 900
		52.0	29.4	30.8	4 200	5 400
		54.0	25.0	27.0	3 800	4 900
		56.0	19.8	22.1	3 400	4 500
		11.6	80.5	62.6	51 200	60 900
		12.0	80.1	62.5	48 700	57 800
		13.0	79.1	62.3	43 400	51 300
		14.0	78.2	62.1	39 000	46 000
		15.0	77.2	61.9	35 400	41 700
		16.0	76.3	61.7	32 300	37 900
		18.0	74.3	61.2	27 300	32 000
		20.0	72.4	60.6	23 400	27 500
		22.0	70.4	59.9	20 400	23 900
		24.0	68.4	59.1	17 900	21 000
		26.0	66.3	58.3	15 800	18 600
		28.0	64.3	57.4	14 000	16 600
		30.0	62.2	56.4	12 600	14 900
		32.0	60.0	55.3	11 200	13 400
		34.0	57.8	54.0	10 100	12 100
6 4 0	2 1 0	36.0	55.6	52.7	9 200	11 000
		38.0	53.2	51.3	8 200	10 000
		40.0	50.9	49.7	7 500	9 100
		42.0	48.4	48.0	6 700	8 300
		44.0	45.8	46.2	6 100	7 500
		46.0	43.1	44.1	5 500	6 900
		48.0	40.3	41.9	5 000	6 300
		50.0	37.3	39.4	4 500	5 700
		52.0	34.1	36.6	4 000	5 200
		54.0	30.6	33.5	3 600	4 800
		56.0	26.7	29.8	3 200	4 300
		58.0	22.1	25.4	2 800	3 900
		11.6	81.0	65.7	51 100	60 800
		12.0	80.6	65.6	48 600	57 700
		13.0	79.7	65.4	43 300	51 200
		14.0	78.8	65.2	38 900	46 000
		15.0	77.8	65.0	35 300	41 600
		16.0	76.9	64.8	32 100	37 900
		18.0	75.1	64.3	27 100	31 900
		20.0	73.2	63.7	23 300	27 400
		22.0	71.3	63.1	20 200	23 800
		24.0	69.4	62.4	17 700	20 900
6 7 1	2 2 0	26.0	67.5	61.6	15 600	18 500
		28.0	65.6	60.7	13 900	16 500
		30.0	63.6	59.8	12 400	14 700
		32.0	61.6	58.7	11 100	13 200
		34.0	59.5	57.6	10 000	12 000
		36.0	57.4	56.4	9 000	10 800
		38.0	55.3	55.1	8 100	9 800
		40.0	53.1	53.6	7 300	9 000
		11.6	81.0	65.7	51 100	60 800
		12.0	80.6	65.6	48 600	57 700
		13.0	79.7	65.4	43 300	51 200
		14.0	78.8	65.2	38 900	46 000
		15.0	77.8	65.0	35 300	41 600
		16.0	76.9	64.8	32 100	37 900
		18.0	75.1	64.3	27 100	31 900
		20.0	73.2	63.7	23 300	27 400
		22.0	71.3	63.1	20 200	23 800
		24.0	69.4	62.4	17 700	20 900
		26.0	67.5	61.6	15 600	18 500
		28.0	65.6	60.7	13 900	16 500
		30.0	63.6	59.8	12 400	14 700
		32.0	61.6	58.7	11 100	13 200
		34.0	59.5	57.6	10 000	12 000
7 0 1	2 3 0	36.0	57.4	56.4	9 000	10 800
		38.0	55.3	55.1	8 100	9 800
		40.0	53.1	53.6	7 300	9 000
		11.6	81.0	65.7	51 100	60 800
		12.0	80.6	65.6	48 600	57 700
		13.0	79.7	65.4	43 300	51 200
		14.0	78.8	65.2	38 900	46 000
		15.0	77.8	65.0	35 300	41 600
		16.0	76.9	64.8	32 100	37 900
		18.0	75.1	64.3	27 100	31 900
		20.0	73.2	63.7	23 300	27 400
		22.0	71.3	63.1	20 200	23 800
		24.0	69.4	62.4	17 700	20 900
		26.0	67.5	61.6	15 600	18 500
		28.0	65.6	60.7	13 900	16 500
		30.0	63.6	59.8	12 400	14 700
		32.0	61.6	58.7	11 100	13 200
		34.0	59.5	57.6	10 000	12 000
		36.0	57.4	56.4	9 000	10 800
		38.0	55.3	55.1	8 100	9 800
		40.0	53.1	53.6	7 300	9 000

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
6 4 0	2 1 0	42.0	50.8	52.0	6 600	8 100
		44.0	48.4	50.3	5 900	7 400
		46.0	46.0	48.5	5 300	6 700
		48.0	43.4	46.5	4 800	6 100
		50.0	40.8	44.3	4 300	5 600
		52.0	37.9	41.8	3 900	5 100
		54.0	34.9	39.1	3 400	4 600
		56.0	31.7	36.1	3 000	4 200
		58.0	28.1	32.6	2 700	3 700
		60.0	24.0	28.5	2 300	3 300
		62.0	19.1	23.4	2 000	3 000
6 7 1	2 2 0	12.2	80.8	68.7	47 200	56 100
		13.0	80.1	68.5	43 000	51 000
		14.0	79.3	68.3	38 700	45 700
		15.0	78.4	68.1	35 000	41 300
		16.0	77.5	67.9	31 900	37 600
		18.0	75.8	67.5	26 900	31 700
		20.0	74.0	66.9	23 100	27 100
		22.0	72.2	66.3	20 000	23 600
		24.0	70.4	65.6	17 500	20 700
		26.0	68.6	64.9	15 400	18 300
		28.0	66.7	64.1	13 700	16 200
		30.0	64.9	63.2	12 200	14 500
		32.0	63.0	62.2	10 900	13 100
		34.0	61.0	61.1	9 800	11 800
		36.0	59.1	60.0	8 700	10 600
		38.0	57.0	58.7	7 900	9 600
		40.0	55.0	57.4	7 100	8 700
		42.0	52.9	55.9	6 400	7 900
		44.0	50.7	54.3	5 700	7 200
		46.0	48.5	52.6	5 100	6 500
		48.0	46.1	50.8	4 600	5 900
		50.0	43.7	48.8	4 100	5 400
		52.0	41.2	46.6	3 700	4 800
		54.0	38.5	44.2	3 300	4 400
		56.0	35.7	41.6	2 800	4 000
		58.0	32.6	38.6	2 500	3 600
		60.0	29.3	35.3	2 200	3 200
		62.0	25.6	31.4	1 800	2 800
		64.0	21.3	26.8		2 500
7 0 1	2 3 0	12.8	80.7	71.7	43 900	52 000
		13.0	80.6	71.6	42 900	50 900
		14.0	79.7	71.4	38 500	45 600
		15.0	78.9	71.3	34 900	41 200
		16.0	78.1	71.1	31 700	37 400
		18.0	76.4	70.6	26 700	31 500
		20.0	74.7	70.1	22 800	27 000
		22.0	73.0	69.5	19 800	23 300
		24.0	71.3	68.9	17 300	20 400
		26.0	69.6	68.2	15 200	18 000
		28.0	67.8	67.4	13 400	16 000
		30.0	66.0	66.5	11 900	14 300
		32.0	64.2	65.6	10 700	12 800
		34.0	62.4	64.6	9 500	11 500
		36.0	60.5	63.5	8 500	10 400
		38.0	58.6	62.3	7 600	9 400
		40.0	56.7	61.1	6 800	8 500
		42.0	54.7	59.7	6 100	7 700
		44.0	52.7	58.2	5 500	7 000
		46.0	50.6	56.6	4 900	6 300
		48.0	48.5	54.9	4 300	5 700
		50.0	46.3	53.1	3 900	5 200
		52.0	43.9	51.1	3 400	4 600
		54.0	41.5	48.9	3 000	4 200
		56.0	39.0	46.6	2 600	3 700
		58.0	36.3	44.0	2 200	3 300
		60.0	33.5	41.1	1 900	2 900
		62.0	30.4	37.9		2 600
		64.0	27.0	34.3		2 300
		66.0	23.1	30.0		1 900

MANITOWOC ENGINEERING CO.

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



LIFTCRANE BOOM CAPACITIES

MEETS
ANSI B30.5
REQUIREMENTS

888 SERIES 1

BOOM NO. 22E WITH LIGHT TAPERED TOP
65 360 kg 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 3 2	2 4 0	13.4	80.6	74.6	40 800	48 400
		14.0	80.2	74.5	38 300	45 400
		15.0	79.4	74.4	34 600	41 000
		16.0	78.6	74.2	31 500	37 300
		18.0	77.0	73.7	26 500	31 300
		20.0	75.4	73.2	22 600	26 700
		22.0	73.7	72.7	19 500	23 100
		24.0	72.1	72.1	17 100	20 200
		26.0	70.5	71.4	15 000	17 800
		28.0	68.8	70.7	13 200	15 800
		30.0	67.1	69.8	11 700	14 100
		32.0	65.4	69.0	10 400	12 600
		34.0	63.6	68.0	9 300	11 300
		36.0	61.9	67.0	8 300	10 200
		38.0	60.1	65.9	7 400	9 200
		40.0	58.3	64.7	6 600	8 300
		42.0	56.4	63.4	5 900	7 500
		44.0	54.5	62.0	5 300	6 700
		46.0	52.6	60.5	4 700	6 100
		48.0	50.6	59.0	4 100	5 500
		50.0	48.5	57.2	3 600	4 900
		52.0	46.4	55.4	3 200	4 400
		54.0	44.2	53.4	2 800	3 900
		56.0	41.9	51.3	2 400	3 500
		58.0	39.5	49.0	2 000	3 100
7 6 2	2 5 0	60.0	36.9	46.4	2 700	2 700
		62.0	34.2	43.6	2 400	2 400
		64.0	31.3	40.5	2 000	2 000
		13.4	81.0	77.7	40 700	48 300
		14.0	80.6	77.6	38 200	45 300
		15.0	79.8	77.5	34 500	40 900
		16.0	79.0	77.3	31 400	37 100
		18.0	77.5	76.9	26 400	31 100
		20.0	76.0	76.4	22 500	26 600
		22.0	74.4	75.9	19 400	23 000
		24.0	72.8	75.3	16 900	20 100
		26.0	71.3	74.6	14 800	17 700
		28.0	69.7	73.9	13 100	15 700
		30.0	68.1	73.1	11 600	14 000
		32.0	66.4	72.3	10 300	12 500
		34.0	64.8	71.4	9 200	11 200
		36.0	63.1	70.4	8 200	10 000
		38.0	61.4	69.4	7 300	9 000
		40.0	59.7	68.2	6 500	8 100
		42.0	57.9	67.0	5 800	7 300
		44.0	56.1	65.7	5 100	6 600
		46.0	54.3	64.3	4 500	5 900
		48.0	52.4	62.8	4 000	5 300
		50.0	50.5	61.3	3 500	4 800
		52.0	48.5	59.5	3 000	4 300
		54.0	46.5	57.7	2 600	3 800
		56.0	44.4	55.7	2 300	3 400
		58.0	42.2	53.6	2 000	3 000
7 9 2	2 6 0	60.0	39.9	51.3	2 600	2 600
		62.0	37.5	48.8	2 200	2 200
		64.0	34.9	46.1	1 900	1 900
		14.0	80.9	80.7	37 900	45 000
		15.0	80.2	80.6	34 300	40 700
		16.0	79.5	80.4	31 200	36 900
		18.0	78.0	80.0	26 200	31 000
		20.0	76.5	79.5	22 300	26 400
		22.0	75.0	79.0	19 200	22 800
		24.0	73.5	78.5	16 700	19 900
		26.0	72.0	77.8	14 600	17 500
		28.0	70.5	77.2	12 900	15 500
7 9 2	2 6 0	30.0	68.9	76.4	11 300	13 700
		32.0	67.4	75.6	10 100	12 200
		34.0	65.8	74.7	8 900	11 000
		36.0	64.2	73.8	7 900	9 800
		38.0	62.6	72.8	7 100	8 800
		40.0	61.0	71.7	6 200	7 900
		42.0	59.3	70.6	5 500	7 100

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 9 2	2 6 0	44.0	57.6	69.4	4 900	6 400
		46.0	55.9	68.1	4 300	5 700
		48.0	54.1	66.6	3 800	5 100
		50.0	52.3	65.2	3 300	4 600
		52.0	50.4	63.6	2 900	4 100
		54.0	48.5	61.8	2 400	3 600
		56.0	46.6	60.0	2 000	3 200
		58.0	44.5	58.1	2 700	2 700
		60.0	42.4	55.9	2 400	2 400
		62.0	40.3	53.7	2 000	2 000
8 2 3	2 7 0	14.6	80.8	83.7	35 500	41 400*
		15.0	80.6	83.6	34 200	40 300
		16.0	79.9	83.5	31 000	37 100
		18.0	78.5	83.1	26 000	30 800
		20.0	77.0	82.7	22 100	26 200
		22.0	75.6	82.2	19 000	22 600
		24.0	74.2	81.6	16 500	19 700
		26.0	72.7	81.0	14 400	17 300
		28.0	71.2	80.4	12 600	15 200
		30.0	69.8	79.7	11 100	13 500
		32.0	68.3	78.9	9 800	12 000
		34.0	66.8	78.1	8 700	10 700
		36.0	65.2	77.2	7 700	9 600
		38.0	63.7	76.2	6 800	8 600
		40.0	62.1	75.2	6 000	7 700
		42.0	60.5	74.1	5 300	6 900
		44.0	58.9	72.9	4 600	6 100
		46.0	57.3	71.7	4 100	5 500
		48.0	55.6	70.4	3 500	4 900
		50.0	53.9	69.0	3 100	4 300
		52.0	52.2	67.5	2 600	3 800
		54.0	50.4	65.9	2 200	3 300
		56.0	48.6	64.1	2 900	2 900
		58.0	46.7	62.3	2 500	2 500
		60.0	44.7	60.4	2 100	2 100
8 5 3	2 8 0	15.2	80.8	86.7	33 200	37 500*
		16.0	80.2	86.6	30 900	35 800
		18.0	78.9	86.2	25 700	30 700
		20.0	77.5	85.8	21 900	26 000
		22.0	76.1	85.3	18 800	22 400
		24.0	74.7	84.8	16 300	19 500
		26.0	73.3	84.2	14 200	17 000
		28.0	71.9	83.6	12 400	15 000
		30.0	70.5	82.9	10 900	13 300
		32.0	69.1	82.2	9 600	11 800
		34.0	67.6	81.4	8 500	10 500
		36.0	66.2	80.5	7 500	9 400
		38.0	64.7	79.6	6 600	8 400
		40.0	63.2	78.6	5 800	7 500
		42.0	61.7	77.6	5 100	6 600
		44.0	60.2	76.5	4 400	5 900
		46.0	58.6	75.3	3 900	5 300
		48.0	57.0	74.0	3 300	4 700
		50.0	55.4	72.7	2 800	4 100
		52.0	53.7	71.3	2 400	3 600
		54.0	52.1	69.8	1 900	3 100
		56.0	50.3	68.2	2 700	2 700
		58.0	48.6	66.4	2 300	2 300