

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 LIGHT TAPERED TOP

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 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 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

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) 94.5m	---	(a) 94.5m	---	85.3m	---	82.3m	---
91.4m	9.1m	91.4m	---	82.3m	12.2m	79.2m	9.1m
88.4m	18.3m	88.4m	15.2m	79.2m	18.3m	76.2m	15.2m
		85.3m	18.3m			73.2m	18.3m

LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START. (a) UPPER BOOM POINT CANNOT BE USED ON 94.5m 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		119 900*
		9.0	77.1	35.1		110 700*
		10.0	75.4	34.9		97 000
		11.0	73.6	34.6		84 000
		12.0	71.8	34.3		74 200
		13.0	70.0	34.0		66 300
		14.0	68.2	33.6		59 900
		15.0	66.3	33.2		54 500
		16.0	64.4	32.7		49 900
		18.0	60.6	31.7		42 600
		20.0	56.6	30.4	32 100	37 100
		22.0	52.4	29.0	28 400	32 700
		24.0	47.9	27.3	25 300	29 200
		26.0	43.1	25.4	22 800	26 300
		28.0	37.8	23.0	20 600	23 800
		30.0	31.9	20.2	18 800	21 600
		32.0	24.6	16.4	17 100	19 800

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
3 6 - 6	1 2 0	7.3	80.9	38.6		120 400*
		8.0	79.8	38.5		119 800*
		9.0	78.2	38.3		110 400*
		10.0	76.6	38.0		97 000
		11.0	75.0	37.8		84 000
		12.0	73.4	37.5		74 100
		13.0	71.7	37.2		66 200
		14.0	70.1	36.8		59 800
		15.0	68.4	36.5		54 400
		16.0	66.7	36.0		49 800
		18.0	63.2	35.1	36 800	42 500
		20.0	59.7	34.0	32 000	37 000
		22.0	56.0	32.8	28 200	32 600
		24.0	52.1	31.3	25 100	29 000
		26.0	48.0	29.6	22 600	26 000
		28.0	43.6	27.7	20 400	23 600
		30.0	38.9	25.4	18 600	21 500
		32.0	33.6	22.7	17 000	19 600
		34.0	27.4	19.3	15 600	18 100
		36.0	19.5	14.7	14 300	16 600

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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	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		120 400*	4 8 8	1 6 0	9.1	81.0	50.6		99 200*
		8.0	80.6	41.6		119 800*			10.0	80.0	50.5		95 300
		9.0	79.1	41.4		110 000*			11.0	78.8	50.3		83 500
		10.0	77.6	41.2		97 000			12.0	77.6	50.1		73 600
		11.0	76.2	40.9		83 900			13.0	76.4	49.9	55 800	65 600
		12.0	74.7	40.7		74 000			14.0	75.2	49.6	50 400	59 100
		13.0	73.2	40.4		66 100			15.0	74.0	49.3	45 900	53 700
		14.0	71.6	40.1		59 600			16.0	72.7	49.0	42 100	49 100
		15.0	70.1	39.7		54 200			18.0	70.3	48.4	35 900	41 800
		16.0	68.6	39.3	42 800	49 600			20.0	67.7	47.6	31 200	36 200
		18.0	65.4	38.5	36 500	42 300			22.0	65.2	46.7	27 400	31 800
		20.0	62.2	37.5	31 800	36 800			24.0	62.6	45.7	24 300	28 300
		22.0	58.9	36.4	28 000	32 400			26.0	59.9	44.6	21 800	25 300
		24.0	55.4	35.1	24 900	28 800			28.0	57.1	43.4	19 600	22 800
		26.0	51.9	33.6	22 400	25 900			30.0	54.3	42.1	17 800	20 700
		28.0	48.1	31.9	20 200	23 400			32.0	51.3	40.5	16 200	18 900
		30.0	44.1	30.0	18 400	21 300			34.0	48.2	38.8	14 800	17 300
		32.0	39.7	27.8	16 800	19 500			36.0	45.0	37.0	13 500	15 900
		34.0	35.0	25.2	15 400	17 800			38.0	41.6	34.8	12 500	14 700
4 2 7	1 4 0	36.0	29.5	22.0	14 100	16 400			40.0	37.9	32.4	11 500	13 500
		38.0	23.0	17.9	13 000	15 200			42.0	33.9	29.7	10 600	12 500
									44.0	29.4	26.4	9 800	11 600
									46.0	24.2	22.5	9 100	10 800
		8.5	80.5	44.6		114 100*	5 1 8	1 7 0	9.8	80.9	53.6		91 500*
		9.0	79.9	44.5		109 100*			10.0	80.6	53.6		90 800*
		10.0	78.5	44.3		96 900			11.0	79.5	53.4		83 400
		11.0	77.2	44.1		83 800			12.0	78.3	53.2	62 200	73 400
		12.0	75.8	43.8		73 900			13.0	77.2	53.0	55 600	65 500
		13.0	74.4	43.6		66 000			14.0	76.1	52.8	50 300	59 000
		14.0	73.0	43.3		59 400			15.0	74.9	52.5	45 800	53 600
		15.0	71.6	42.9	46 300	54 100			16.0	73.8	52.2	42 000	49 000
		16.0	70.2	42.6	42 500	49 500			18.0	71.5	51.6	35 800	41 700
		18.0	67.3	41.8	36 300	42 200			20.0	69.1	50.9	31 100	36 100
		20.0	64.3	40.9	31 600	36 600			22.0	66.7	50.1	27 300	31 700
		22.0	61.3	39.9	27 800	32 200			24.0	64.3	49.1	24 200	28 100
		24.0	58.2	38.7	24 700	28 600			26.0	61.8	48.1	21 700	25 200
		26.0	55.0	37.4	22 200	25 700			28.0	59.3	47.0	19 500	22 700
		28.0	51.7	35.9	20 100	23 200			30.0	56.7	45.7	17 600	20 600
		30.0	48.1	34.2	18 200	21 100			32.0	54.0	44.4	16 100	18 800
		32.0	44.4	32.3	16 600	19 300			34.0	51.2	42.8	14 700	17 100
		34.0	40.4	30.1	15 200	17 700			36.0	48.3	41.1	13 400	15 800
4 5 7	1 5 0	36.0	36.1	27.6	14 000	16 300			38.0	45.3	39.3	12 300	14 500
		38.0	31.3	24.6	12 900	15 000			40.0	42.1	37.2	11 400	13 400
		40.0	25.6	20.9	11 900	13 900			42.0	38.6	34.8	10 500	12 400
		42.0	18.5	16.0	11 000	12 900			44.0	34.9	32.1	9 700	11 500
		9.1	80.4	47.5		103 100*	5 4 9	1 8 0	10.4	80.7	56.6		86 000*
		10.0	79.3	47.4		97 400			11.0	80.1	56.5	70 000	83 400
		11.0	78.0	47.2		83 600			12.0	79.0	56.3	61 900	73 300
		12.0	76.8	47.0		73 700			13.0	77.9	56.1	55 500	65 400
		13.0	75.5	46.7		65 800			14.0	76.9	55.9	50 100	58 900
		14.0	74.2	46.4	50 600	59 300			15.0	75.8	55.6	45 600	53 400
		15.0	72.9	46.1	46 100	53 900			16.0	74.7	55.4	41 800	48 800
		16.0	71.5	45.8	42 200	49 300			18.0	72.5	54.8	35 600	41 500
		18.0	68.9	45.1	36 100	42 000			20.0	70.3	54.1	30 900	35 900
		20.0	66.2	44.3	31 400	36 400			22.0	68.1	53.4	27 100	31 500
		22.0	63.4	43.3	27 600	32 000			24.0	65.8	52.5	24 000	27 900
		24.0	60.6	42.3	24 500	28 400			26.0	63.5	51.6	21 500	25 000
		26.0	57.6	41.1	22 000	25 500			28.0	61.1	50.5	19 300	22 500
		28.0	54.6	39.7	19 800	23 000			30.0	58.7	49.4	17 500	20 400
		30.0	51.5	38.2	18 000	20 900			32.0	56.3	48.1	15 900	18 600
		32.0	48.2	36.5	16 400	19 000			34.0	53.7	46.7	14 500	17 000
		34.0	44.7	34.6	15 000	17 500			36.0	51.1	45.1	13 300	15 600
		36.0	41.1	32.5	13 800	16 100			38.0	48.3	43.4	12 200	14 300
		38.0	37.1	30.0	12 700	14 800			40.0	45.5	41.6	11 200	13 200
		40.0	32.7	27.2	11 700	13 700			42.0	42.5	39.5	10 300	12 200
		42.0	27.7	23.7	10 800	12 700			44.0	39.3	37.2	9 500	11 300
		44.0	21.7	19.4	10 000	11 800			46.0	35.8	34.6	8 800	10 500
									48.0	32.1	31.6	8 100	9 700
									50.0	27.9	28.2	7 500	9 100
									52.0	23.1	24.0	6 900	8 400

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5 7 9	1 9 0	11.0	80.6	59.6	70 100	78 600*	6 4 0	2 1 0	42.0	50.8	52.0	9 700	11 600
		12.0	79.6	59.4	61 800	73 700			44.0	48.4	50.3	8 900	10 700
		13.0	78.6	59.2	55 300	65 200			46.0	46.0	48.5	8 200	9 900
		14.0	77.6	59.0	49 900	58 700			48.0	43.4	46.5	7 500	9 200
		15.0	76.5	58.8	45 400	53 300			50.0	40.8	44.3	6 900	8 500
		16.0	75.5	58.5	41 600	48 700			52.0	37.9	41.8	6 300	7 800
		18.0	73.5	58.0	35 400	41 300			54.0	34.9	39.1	5 800	7 300
		20.0	71.4	57.3	30 700	35 700			56.0	31.7	36.1	5 300	6 700
		22.0	69.3	56.6	26 900	31 300			58.0	28.1	32.6	4 900	6 200
		24.0	67.2	55.8	23 800	27 700			60.0	24.0	28.5	4 500	5 800
		26.0	65.0	54.9	21 300	24 800			62.0	19.1	23.4	4 100	5 300
		28.0	62.8	54.0	19 100	22 300	6 7 1	2 2 0	12.2	80.8	68.7	59 900	64 900*
		30.0	60.5	52.9	17 200	20 100			13.0	80.1	68.5	54 800	63 400
		32.0	58.2	51.7	15 600	18 300			14.0	79.3	68.3	49 400	58 200
		34.0	55.9	50.4	14 200	16 700			15.0	78.4	68.1	44 900	52 700
		36.0	53.5	49.0	13 000	15 400			16.0	77.5	67.9	41 000	48 100
		38.0	51.0	47.4	11 900	14 100			18.0	75.8	67.5	34 800	40 800
		40.0	48.4	45.7	10 900	13 000			20.0	74.0	66.9	30 100	35 200
		42.0	45.7	43.9	10 100	12 000			22.0	72.2	66.3	26 300	30 700
		44.0	42.8	41.8	9 300	11 100			24.0	70.4	65.6	23 200	27 100
		46.0	39.8	39.5	8 500	10 300			26.0	68.6	64.9	20 700	24 200
		48.0	36.6	37.0	7 900	9 500			28.0	66.7	64.1	18 500	21 700
		50.0	33.2	34.1	7 200	8 800			30.0	64.9	63.2	16 600	19 600
		52.0	29.4	30.8	6 700	8 200			32.0	63.0	62.2	15 100	17 800
		54.0	25.0	27.0	6 200	7 600			34.0	61.0	61.1	13 600	16 100
		56.0	19.8	22.1	5 700	7 100			36.0	59.1	60.0	12 400	14 800
6 1 0	2 0 0	11.6	80.5	62.6	64 800	73 700*			38.0	57.0	58.7	11 300	13 500
		12.0	80.1	62.5	61 700	72 100			40.0	55.0	57.4	10 300	12 400
		13.0	79.1	62.3	55 100	65 000			42.0	52.9	55.9	9 500	11 400
		14.0	78.2	62.1	49 800	58 500			44.0	50.7	54.3	8 700	10 500
		15.0	77.2	61.9	45 200	53 100			46.0	48.5	52.6	8 000	9 700
		16.0	76.3	61.7	41 400	48 500			48.0	46.1	50.8	7 300	9 000
		18.0	74.3	61.2	35 200	41 200			50.0	43.7	48.8	6 700	8 300
		20.0	72.4	60.6	30 400	35 500			52.0	41.2	46.6	6 200	7 600
		22.0	70.4	59.9	26 700	31 100			54.0	38.5	44.2	5 600	7 100
		24.0	68.4	59.1	23 600	27 500			56.0	35.7	41.6	5 100	6 500
		26.0	66.3	58.3	21 000	24 600			58.0	32.6	38.6	4 700	6 100
		28.0	64.3	57.4	18 900	22 100			60.0	29.3	35.3	4 300	5 600
		30.0	62.2	56.4	17 000	20 000			62.0	25.6	31.4	3 900	5 100
		32.0	60.0	55.3	15 400	18 100			64.0	21.3	26.8	3 500	4 700
		34.0	57.8	54.0	14 000	16 600	7 0 1	2 3 0	12.8	80.7	71.7	55 800	59 700*
		36.0	55.6	52.7	12 800	15 100			13.0	80.6	71.6	54 600	59 600*
		38.0	53.2	51.3	11 700	13 900			14.0	79.7	71.4	49 200	58 000
		40.0	50.9	49.7	10 700	12 800			15.0	78.9	71.3	44 700	52 600
		42.0	48.4	48.0	9 800	11 800			16.0	78.1	71.1	40 800	47 900
		44.0	45.8	46.2	9 000	10 900			18.0	76.4	70.6	34 600	40 600
		46.0	43.1	44.1	8 300	10 100			20.0	74.7	70.1	29 900	35 000
		48.0	40.3	41.9	7 700	9 300			22.0	73.0	69.5	26 100	30 600
		50.0	37.3	39.4	7 100	8 700			24.0	71.3	68.9	23 000	27 000
		52.0	34.1	36.6	6 500	8 000			26.0	69.6	68.2	20 400	24 000
		54.0	30.6	33.5	6 000	7 400			28.0	67.8	67.4	18 200	21 500
		56.0	26.7	29.8	5 500	6 900			30.0	66.0	66.5	16 400	19 400
		58.0	22.1	25.4	5 100	6 400			32.0	64.2	65.6	14 800	17 600
6 4 0	2 1 0	11.6	81.0	65.7	64 700	70 200*			34.0	62.4	64.6	13 400	15 900
		12.0	80.6	65.6	61 600	69 500*			36.0	60.5	63.5	12 200	14 500
		13.0	79.7	65.4	55 000	65 200			38.0	58.6	62.3	11 100	13 300
		14.0	78.8	65.2	49 600	58 400			40.0	56.7	61.1	10 100	12 200
		15.0	77.8	65.0	45 100	53 000			42.0	54.7	59.7	9 300	11 200
		16.0	76.9	64.8	41 200	48 300			44.0	52.7	58.2	8 400	10 300
		18.0	75.1	64.3	35 100	41 000			46.0	50.6	56.6	7 700	9 500
		20.0	73.2	63.7	30 300	35 400			48.0	48.5	54.9	7 100	8 700
		22.0	71.3	63.1	26 500	31 000			50.0	46.3	53.1	6 400	8 000
		24.0	69.4	62.4	23 400	27 400			52.0	43.9	51.1	5 900	7 400
		26.0	67.5	61.6	20 800	24 400			54.0	41.5	48.9	5 400	6 800
		28.0	65.6	60.7	18 700	21 900			56.0	39.0	46.6	4 900	6 300
		30.0	63.6	59.8	16 900	19 800			58.0	36.3	44.0	4 500	5 800
		32.0	61.6	58.7	15 200	18 000			60.0	33.5	41.1	4 100	5 300
		34.0	59.5	57.6	13 800	16 400			62.0	30.4	37.9	3 700	4 900
		36.0	57.4	56.4	12 600	15 000			64.0	27.0	34.3	3 300	4 500
		38.0	55.3	55.1	11 500	13 700			66.0	23.1	30.0	3 000	4 100
		40.0	53.1	53.6	10 600	12 600			68.0	18.5	24.7	2 600	3 700

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 LIGHT TAPERED TOP

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 3 2	2 4 0	13.4	80.6	74.6	52 100	54 400*
		14.0	80.2	74.5	49 000	54 300*
		15.0	79.4	74.4	44 500	52 600
		16.0	78.6	74.2	40 700	47 900
		18.0	77.0	73.7	34 400	40 400
		20.0	75.4	73.2	29 700	34 800
		22.0	73.7	72.7	25 800	30 300
		24.0	72.1	72.1	22 700	26 700
		26.0	70.5	71.4	20 200	23 800
		28.0	68.8	70.7	18 100	21 300
		30.0	67.1	69.8	16 200	19 100
		32.0	65.4	69.0	14 600	17 300
		34.0	63.6	68.0	13 200	15 700
		36.0	61.9	67.0	12 000	14 300
		38.0	60.1	65.9	10 900	13 100
		40.0	58.3	64.7	9 900	12 000
		42.0	56.4	63.4	9 000	11 000
		44.0	54.5	62.0	8 200	10 100
		46.0	52.6	60.5	7 500	9 300
		48.0	50.6	59.0	6 800	8 500
		50.0	48.5	57.2	6 300	7 800
		52.0	46.4	55.4	5 700	7 200
		54.0	44.2	53.4	5 200	6 600
		56.0	41.9	51.3	4 700	6 100
		58.0	39.5	49.0	4 200	5 600
		60.0	36.9	46.4	3 800	5 100
		62.0	34.2	43.6	3 400	4 700
		64.0	31.3	40.5	3 100	4 300
		66.0	28.2	37.0	2 700	3 900
		68.0	24.7	33.0	2 400	3 500
		70.0	20.6	28.2	2 100	3 200
7 6 2	2 5 0	13.4	81.0	77.7	49 500*	49 500*
		14.0	80.6	77.6	48 800	49 400*
		15.0	79.8	77.5	44 400	49 100*
		16.0	79.0	77.3	40 500	47 500
		18.0	77.5	76.9	34 300	40 400
		20.0	76.0	76.4	29 500	34 700
		22.0	74.4	75.9	25 700	30 200
		24.0	72.8	75.3	22 600	26 600
		26.0	71.3	74.6	20 100	23 600
		28.0	69.7	73.9	17 900	21 100
		30.0	68.1	73.1	16 100	19 000
		32.0	66.4	72.3	14 500	17 200
		34.0	64.8	71.4	13 100	15 600
		36.0	63.1	70.4	11 800	14 200
		38.0	61.4	69.4	10 800	12 900
		40.0	59.7	68.2	9 800	11 800
		42.0	57.9	67.0	8 900	10 800
		44.0	56.1	65.7	8 100	9 900
		46.0	54.3	64.3	7 300	9 100
		48.0	52.4	62.8	6 700	8 400
		50.0	50.5	61.3	6 100	7 700
		52.0	48.5	59.5	5 500	7 100
		54.0	46.5	57.7	5 000	6 500
		56.0	44.4	55.7	4 500	6 000
		58.0	42.2	53.6	4 100	5 500
		60.0	39.9	51.3	3 700	5 000
		62.0	37.5	48.8	3 300	4 500
		64.0	34.9	46.1	2 900	4 200
		66.0	32.2	43.1	2 600	3 800
		68.0	29.3	39.7	2 300	3 400
		70.0	26.0	35.9	2 000	3 100
		72.0	22.3	31.4		2 800
		74.0	18.0	26.0		2 500
7 9 2	2 6 0	14.0	80.9	80.7	45 300*	45 300*
		15.0	80.2	80.6	44 200	45 000*
		16.0	79.5	80.4	40 600	44 700
		18.0	78.0	80.0	34 100	40 500
		20.0	76.5	79.5	29 300	34 400
		22.0	75.0	79.0	25 500	30 000
		24.0	73.5	78.5	22 400	26 400
		26.0	72.0	77.8	19 800	23 500
		28.0	70.5	77.2	17 700	20 900
		30.0	68.9	76.4	15 800	18 800
		32.0	67.4	75.6	14 200	17 000
		34.0	65.8	74.7	12 800	15 400
		36.0	64.2	73.8	11 600	14 000
		38.0	62.6	72.8	10 500	12 700
		40.0	61.0	71.7	9 500	11 600
		42.0	59.3	70.6	8 700	10 600
		44.0	57.6	69.4	7 900	9 700
		46.0	55.9	68.1	7 200	8 900
		48.0	54.1	66.6	6 500	8 200
		50.0	52.3	65.2	5 900	7 500
		52.0	50.4	63.6	5 300	6 800
		54.0	48.5	61.8	4 800	6 300
		56.0	46.6	60.0	4 300	5 700
		58.0	44.5	58.1	3 900	5 200
		60.0	42.4	55.9	3 500	4 800
		62.0	40.3	53.7	3 100	4 400
		64.0	38.0	51.2	2 700	3 900
		66.0	35.6	48.5	2 400	3 500
		68.0	33.0	45.6	2 100	3 200
		70.0	30.2	42.4	1 800	2 900
		72.0	27.2	38.7		2 500
		74.0	23.9	34.5		2 200
		76.0	20.0	29.5		1 900
8 2 3	2 7 0	14.6	80.8	83.7	41 400*	41 400*
		15.0	80.6	83.6	41 300*	41 300*
		16.0	79.9	83.5	39 900	41 000*
		18.0	78.5	83.1	34 000	39 400
		20.0	77.0	82.7	29 100	34 300
		22.0	75.6	82.2	25 300	29 800
		24.0	74.2	81.6	22 200	26 200
		26.0	72.7	81.0	19 600	23 200
		28.0	71.2	80.4	17 500	20 700
		30.0	69.8	79.7	15 600	18 600
		32.0	68.3	78.9	14 000	16 700
		34.0	66.8	78.1	12 600	15 100
		36.0	65.2	77.2	11 300	13 700
		38.0	63.7	76.2	10 300	12 500
		40.0	62.1	75.2	9 300	11 400
		42.0	60.5	74.1	8 400	10 400
		44.0	58.9	72.9	7 600	9 500
		46.0	57.3	71.7	6 900	8 600
		48.0	55.6	70.4	6 200	7 900
		50.0	53.9	69.0	5 600	7 200
		52.0	52.2	67.5	5 100	6 600
		54.0	50.4	65.9	4 600	6 000
		56.0	48.6	64.1	4 100	5 500
		58.0	46.7	62.3	3 700	5 000
		60.0	44.7	60.4	3 200	4 500
		62.0	42.7	58.3	2 800	4 100
		64.0	40.6	56.0	2 500	3 700
		66.0	38.4	53.6	2 100	3 300
		68.0	36.1	51.0		3 000
		70.0	33.7	48.1		2 600
		72.0	31.1	45.0		2 300
		74.0	28.3	41.4		2 000

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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
8 5 3	2 8 0	15.2	80.8	86.7	37 500*	37 500*
		16.0	80.2	86.6	37 300*	37 300*
		18.0	78.9	86.2	34 000	36 800*
		20.0	77.5	85.8	28 900	34 200
		22.0	76.1	85.3	25 100	29 600
		24.0	74.7	84.8	22 000	26 000
		26.0	73.3	84.2	19 400	23 000
		28.0	71.9	83.6	17 200	20 500
		30.0	70.5	82.9	15 400	18 400
		32.0	69.1	82.2	13 800	16 500
		34.0	67.6	81.4	12 400	14 900
		36.0	66.2	80.5	11 100	13 500
		38.0	64.7	79.6	10 000	12 300
		40.0	63.2	78.6	9 100	11 100
		42.0	61.7	77.6	8 200	10 200
		44.0	60.2	76.5	7 400	9 200
		46.0	58.6	75.3	6 700	8 500
		48.0	57.0	74.0	6 000	7 700
		50.0	55.4	72.7	5 400	7 000
		52.0	53.7	71.3	4 800	6 400
		54.0	52.1	69.8	4 300	5 800
		56.0	50.3	68.2	3 900	5 300
		58.0	48.6	66.4	3 400	4 800
		60.0	46.8	64.6	3 000	4 300
		62.0	44.9	62.7	2 600	3 900
8 8 4	2 9 0	64.0	42.9	60.6	2 300	3 500
		66.0	40.9	58.4	1 900	3 100
		68.0	38.8	56.0		2 700
		70.0	36.6	53.4		2 400
		72.0	34.3	50.6		2 100
		16.8	80.1	89.5	34 100*	34 100*
		18.0	79.3	89.3	33 000	33 800*
		20.0	77.9	88.9	28 700	33 000
		22.0	76.6	88.4	24 900	29 500
		24.0	75.3	87.9	21 800	25 800
		26.0	73.9	87.4	19 200	22 800
		28.0	72.6	86.8	17 100	20 300
		30.0	71.2	86.1	15 200	18 200
		32.0	69.8	85.4	13 600	16 300
		34.0	68.4	84.7	12 200	14 700
		36.0	67.0	83.9	10 900	13 300
		38.0	65.6	83.0	9 800	12 100
		40.0	64.2	82.0	8 900	11 000
		42.0	62.7	81.0	8 000	10 000
		44.0	61.3	80.0	7 200	9 100
		46.0	59.8	78.8	6 500	8 200
		48.0	58.3	77.6	5 800	7 500
		50.0	56.7	76.4	5 200	6 800
		52.0	55.2	75.0	4 700	6 200
		54.0	53.6	73.6	4 100	5 600
9 1 4	3 0 0	56.0	52.0	72.1	3 700	5 100
		58.0	50.3	70.5	3 200	4 600
		60.0	48.6	68.7	2 800	4 100
		62.0	46.8	66.9	2 400	3 700
		64.0	45.0	65.0	2 100	3 300
		66.0	43.2	62.9		2 900
		68.0	41.2	60.7		2 500
		70.0	39.2	58.4		2 200
		16.8	80.4	92.6	31 400*	31 400*
		18.0	79.6	92.4	31 100*	31 100*
		20.0	78.3	92.0	28 600	30 100*
		22.0	77.1	91.6	24 700	28 600
		24.0	75.8	91.1	21 600	25 700
		26.0	74.5	90.6	19 000	22 600
		28.0	73.2	90.0	16 800	20 100
		30.0	71.9	89.4	15 000	18 000
		32.0	70.5	88.7	13 400	16 100
		34.0	69.2	87.9	12 000	14 500
		36.0	67.8	87.2	10 700	13 100
		38.0	66.5	86.3	9 600	11 800
		40.0	65.1	85.4	8 700	10 800
		42.0	63.7	84.5	7 800	9 700
		44.0	62.3	83.4	7 000	8 800
		46.0	60.9	82.4	6 300	8 100

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
9 1 4	3 0 0	48.0	59.5	81.2	5 600	7 300
		50.0	58.0	80.0	5 000	6 600
		52.0	56.5	78.7	4 400	6 000
		54.0	55.0	77.3	3 900	5 400
		56.0	53.4	75.9	3 400	4 900
		58.0	51.9	74.4	3 000	4 400
		60.0	50.2	72.8	2 600	3 900
		62.0	48.6	71.0	2 200	3 400
		64.0	46.9	69.2	1 900	3 100
		66.0	45.2	67.3		2 700
		68.0	43.4	65.2		2 300
		70.0	41.5	63.1		2 000
9 4 5	3 1 0	16.8	80.7	95.7	28 800*	28 800*
		18.0	80.0	95.5	28 300*	28 300*
		20.0	78.7	95.1	27 100	27 200*
		22.0	77.5	94.7	24 700	26 100*
		24.0	76.2	94.2	21 400	25 000
		26.0	75.0	93.7	18 800	22 400
		28.0	73.7	93.2	16 600	19 900
		30.0	72.5	92.6	14 700	17 700
		32.0	71.2	91.9	13 200	15 900
		34.0	69.9	91.2	11 700	14 300
		36.0	68.6	90.4	10 500	12 900
		38.0	67.3	89.6	9 400	11 600
		40.0	66.0	88.8	8 400	10 500
		42.0	64.6	87.8	7 500	9 500
		44.0	63.3	86.9	6 700	8 600
		46.0	61.9	85.8	6 000	7 800
		48.0	60.5	84.7	5 300	7 000
		50.0	59.1	83.6	4 800	6 300
		52.0	57.7	82.3	4 200	5 700
		54.0	56.3	81.0	3 700	5 200
		56.0	54.8	79.7	3 200	4 600
		58.0	53.3	78.2	2 700	4 100
		60.0	51.8	76.7	2 300	3 600
		62.0	50.2	75.1	2 000	3 200
		64.0	48.6	73.3		2 800
		66.0	47.0	71.5		2 500
		68.0	45.3	69.6		2 100