

MANITOWOC ENGINEERING CO.

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



LIFTCRANE CAPACITIES

**BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
360 DEGREE RATING**

MEETS
ANSI B30.5
REQUIREMENTS

3950W

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 INDICATED BY (b) REPRESENT 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 22,500 LBS. 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 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. 160926 AND WIRE ROPE SPECIFICATION CHART NO. 6668-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.

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 24' EXTENDIBLE CRAWLERS, 48" TREADS, 16'6" RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-1/4" BOOM PENDANTS, 1ST COUNTERWEIGHT = 43,000 LBS., 2ND COUNTERWEIGHT = 30,000 LBS., AND 3RD COUNTERWEIGHT = 29,400 LBS.

MAXIMUM BOOM AND JIB LENGTHS LIFTED UNASSISTED								
OVER END OF BLOCKED CRAWLERS			OVER SIDE OF EXTENDED CRAWLERS			OVER SIDE OF RETRACTED CRAWLERS		
BOOM LGTH.	JIB NO.	JIB NO.	BOOM LGTH.	JIB NO.	JIB NO.	BOOM LGTH.	JIB NO.	JIB NO.
260'	---	---	240'	---	---	230'	---	---
250'	---	---	230'	---	---	220'	---	---
240'	30'	50'	220'	40'	60'	210'	30'	50'
230'	50'	60'	210'	60'	60'	200'	50'	60'
220'	60'	60'				190'	60'	60'

LOAD BLOCK, HOOK AND WEIGHT BALL ON GROUND AT START.

DEDUCT FROM CAPACITIES WHEN JIB IS ATTACHED		
JIB LGTH.	JIB NO. 123	JIB NO. 124
30'	2,500 LBS.	1,800 LBS.
40'	3,100 LBS.	2,100 LBS.
50'	3,700 LBS.	2,300 LBS.
60'	4,400 LBS.	2,500 LBS.

CONSULT JIB CHART FOR JIB CAPACITIES.

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY CRAWLERS RETRACTED POUNDS	CAPACITY CRAWLERS EXTENDED POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY CRAWLERS RETRACTED POUNDS	CAPACITY CRAWLERS EXTENDED POUNDS
70	16	82.7	76.2	255,300*	255,300*	80	17	82.9	86.2	215,000*	215,000*
	17	81.9	76.0	250,200*	250,200*		18	82.2	86.0	210,900*	210,900*
	18	81.0	75.8	245,400*	245,400*		19	81.4	85.8	207,000*	207,000*
	19	80.2	75.6	240,800*	240,800*		20	80.7	85.6	203,300*	203,300*
	20	79.4	75.4	228,500*	236,400*		22	79.3	85.2	195,600*	196,400*
	22	77.7	74.9	195,900*	228,200*		24	77.8	84.7	170,900*	190,000*
	24	76.0	74.3	171,200*	202,700*		26	76.3	84.1	151,600*	178,000*
	26	74.3	73.7	151,900*	178,300*		28	74.8	83.5	136,000*	158,700*
	28	72.5	73.0	136,400*	159,000*		30	73.3	82.9	123,300*	143,000*
	30	70.8	72.2	123,600*	143,300*		32	71.8	82.2	112,600*	130,100*
	32	69.0	71.4	113,000*	130,400*		34	70.3	81.4	103,600*	119,200*
	34	67.2	70.5	103,900*	119,500*		36	68.7	80.6	95,800*	109,900*
	36	65.4	69.5	96,100*	110,200*		38	67.1	79.6	89,000*	101,900*
	38	63.6	68.4	89,400*	102,200*		40	65.5	78.7	83,100*	94,900*
	40	61.7	67.3	83,500*	95,200*		45	61.5	75.9	71,000*	80,800*
	45	56.8	64.0	71,400*	81,200*		50	57.2	72.7	61,800*	70,100*
	50	51.6	60.1	62,200*	70,500*		55	52.7	68.9	54,600*	61,800*
	55	46.0	55.3	55,000*	62,200*		60	47.9	64.4	48,700*	55,100*
	60	39.6	49.4	49,100*	55,400*		65	42.7	59.1	43,900*	49,500*
	65	32.2	41.8	44,200*	49,900*		70	36.8	52.6	39,800*	44,900*
	70	22.5	31.0	40,200*	45,300*		75	29.9	44.3	36,300*	41,000*
							80	20.9	32.6	33,300*	37,600*

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REQUIREMENTS

3950W

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY CRAWLERS RETRACTED POUNDS	CAPACITY CRAWLERS EXTENDED POUNDS	BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY CRAWLERS RETRACTED POUNDS	CAPACITY CRAWLERS EXTENDED POUNDS
90	18	83.0	96.1	207,200*	207,200*	120	22	82.9	125.8	139,500*	139,500*
	19	82.4	95.9	203,000*	203,000*		24	81.9	125.5	134,300*	134,300*
	20	81.8	95.8	199,100*	199,100*		26	80.9	125.2	129,400*	129,400*
	22	80.5	95.4	191,700*	191,700*		28	80.0	124.8	124,900*	124,900*
	24	79.2	95.0	170,600*	185,000*		30	79.0	124.3	120,800*	120,800*
	26	77.9	94.5	151,200*	177,700*		32	78.0	123.9	111,100*	117,000*
	28	76.5	94.0	135,700*	158,400*		34	77.0	123.4	102,000*	113,500*
	30	75.2	93.4	122,900*	142,700*		36	76.0	122.9	94,200*	108,400*
	32	73.9	92.7	112,200*	129,800*		38	75.0	122.3	87,400*	100,400*
	34	72.5	92.1	103,200*	118,900*		40	74.1	121.7	81,400*	93,400*
	36	71.2	91.3	95,400*	109,600*		45	71.5	120.0	69,400*	79,200*
	38	69.8	90.6	88,600*	101,500*		50	69.0	118.0	60,100*	68,500*
	40	68.5	89.7	82,700*	94,500*		55	66.4	115.8	52,900*	60,100*
	45	64.9	87.3	70,600*	80,400*		60	63.7	113.3	47,000*	53,400*
	50	61.3	84.6	61,400*	69,800*		65	61.0	110.6	42,100*	47,800*
	55	57.5	81.4	54,200*	61,400*		70	58.2	107.4	38,000*	43,200*
	60	53.6	77.7	48,300*	54,700*		75	55.3	104.0	34,500*	39,300*
	65	49.4	73.5	43,400*	49,100*		80	52.3	100.1	31,500*	35,900*
	70	44.9	68.5	39,300*	44,500*		85	49.1	95.8	28,900*	32,900*
100	75	40.1	62.6	35,900*	40,600*		90	45.8	91.0	26,600*	30,400*
	80	34.6	55.6	32,900*	37,200*	130	95	42.3	85.5	24,600*	28,100*
	85	28.1	46.7	30,300*	34,300*		100	38.5	79.3	22,800*	26,000*
	90	19.5	34.2	28,000*	31,700*		105	34.3	72.2	21,100*	24,200*
	20	82.6	105.9	192,000*	192,000*		110	29.6	63.7	19,700*	22,600*
	22	81.4	105.6	184,900*	184,900*		115	24.0	53.1	18,400*	21,100*
	24	80.3	105.2	170,200*	178,400*		24	82.5	135.6	133,800*	133,800*
	26	79.1	104.8	150,800*	172,400*		26	81.6	135.3	128,900*	128,900*
	28	77.9	104.3	135,300*	158,000*		28	80.7	135.0	124,400*	124,400*
	30	76.7	103.8	122,500*	142,400*		30	79.8	134.6	120,300*	120,300*
	32	75.5	103.2	111,800*	129,400*		32	78.9	134.1	110,800*	116,500*
	34	74.4	102.6	102,700*	118,500*		34	78.0	133.7	101,700*	113,000*
	36	73.2	102.0	94,900*	109,100*		36	77.1	133.2	93,900*	108,200*
	38	71.9	101.3	88,200*	101,100*		38	76.2	132.7	87,100*	100,100*
	40	70.7	100.5	82,200*	94,100*		40	75.3	132.1	81,200*	93,100*
	45	67.6	98.4	70,200*	80,000*		45	73.0	130.6	69,100*	79,000*
	50	64.4	96.0	61,000*	69,300*		50	70.7	128.8	59,900*	68,300*
	55	61.2	93.2	53,700*	60,900*		55	68.3	126.8	52,600*	59,900*
	60	57.8	90.1	47,800*	54,200*		60	65.9	124.5	46,700*	53,100*
	65	54.3	86.5	42,900*	48,600*		65	63.4	122.0	41,800*	47,600*
110	70	50.6	82.4	38,800*	44,000*		70	60.9	119.2	37,700*	42,900*
	75	46.7	77.7	35,400*	40,100*		75	58.3	116.1	34,200*	39,000*
	80	42.4	72.3	32,400*	36,700*		80	55.6	112.7	31,200*	35,600*
	85	37.8	66.0	29,800*	33,800*		85	52.9	108.9	28,600*	32,700*
	90	32.6	58.4	27,500*	31,200*		90	50.0	104.7	26,300*	30,100*
	95	26.5	48.9	25,400*	28,900*		95	47.0	100.1	24,300*	27,800*
	100	18.4	35.7	23,600*	26,900*		100	43.9	94.9	22,500*	25,800*
	22	82.2	115.7	140,000*	140,000*		105	40.5	89.1	20,900*	23,900*
	24	81.2	115.4	134,800*	134,800*		110	36.9	82.6	19,400*	22,300*
	26	80.1	115.0	129,900*	129,900*		115	32.9	75.0	18,100*	20,800*
	28	79.0	114.6	125,400*	125,400*		120	28.4	66.1	16,800*	19,500*
	30	78.0	114.1	121,300*	121,300*		125	23.0	55.0	15,700*	18,200*
	32	76.9	113.6	111,400*	117,500*						
	34	75.8	113.0	102,300*	114,000*						
	36	74.7	112.4	94,500*	108,700*						
	38	73.6	111.8	87,700*	100,700*						
	40	72.5	111.1	81,800*	93,700*						
	45	69.8	109.3	69,700*	79,600*						
	50	66.9	107.1	60,500*	68,900*						
	55	64.0	104.7	53,200*	60,500*						
	60	61.1	101.9	47,300*	53,700*						
	65	58.0	98.8	42,500*	48,200*						
	70	54.8	95.2	38,400*	43,500*						
	75	51.5	91.3	34,900*	39,600*						
	80	48.0	86.8	31,900*	36,200*						
	85	44.3	81.7	29,300*	33,300*						
	90	40.3	75.9	27,000*	30,700*						
	95	35.9	69.1	25,000*	28,400*						
	100	31.0	61.1	23,100*	26,400*						
	105	25.2	51.1	21,500*	24,600*						
	110	17.5	37.1	20,100*	23,000*						

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140	26	82.2	145.4	128,500*	128,500*	160	105	52.0	131.3	19,600	22,700
	28	81.4	145.1	124,000*	124,000*		110	49.7	127.1	18,200	21,100
	30	80.6	144.8	119,900*	119,900*		115	47.2	122.5	16,800	19,600
	32	79.7	144.4	110,500	116,100*		120	44.7	117.5	15,600	18,200
	34	78.9	143.9	101,400	112,600*		125	42.0	112.0	14,500	17,000
	36	78.1	143.5	93,600	107,900		130	39.2	106.9	13,500	15,900
	38	77.2	143.0	86,800	99,800		135	36.2	99.2	12,500	14,800
	40	76.4	142.5	80,800	92,800		140	33.0	91.6	11,700	13,900
	45	74.3	141.1	68,800	78,600		145	29.4	83.0	10,900	13,000
	50	72.1	139.4	59,500	67,900		150	25.4	72.9	10,100	12,100
	55	69.9	137.6	52,200	59,500		155	20.6	60.4	9,400	11,400
	60	67.7	135.5	46,300	52,800	170	30	82.3	175.2	108,900*	108,900*
	65	65.5	133.2	41,500	47,200		32	81.6	174.9	105,300*	105,300*
	70	63.2	130.7	37,400	42,600		34	80.9	174.5	100,400	102,000*
	75	60.8	127.9	33,900	38,600		36	80.2	174.1	92,600	99,000*
	80	58.4	124.8	30,900	35,200		38	79.5	173.7	85,800	96,100*
	85	56.0	121.4	28,300	32,300		40	78.8	173.3	79,800	91,800
	90	53.4	117.7	26,000	29,700		45	77.1	172.2	67,700	77,600
	95	50.8	113.6	23,900	27,400		50	75.4	170.8	58,500	66,900
	100	48.0	109.2	22,100	25,400		55	73.6	169.4	51,200	58,500
	105	45.2	104.2	20,500	23,600		60	71.8	167.7	45,300	51,700
	110	42.1	98.7	19,000	21,900		65	70.0	165.9	40,400	46,200
	115	38.9	92.6	17,700	20,400		70	68.2	163.9	36,300	41,500
	120	35.4	85.7	16,500	19,100		75	66.4	161.7	32,800	37,600
	125	31.6	77.8	15,400	17,900		80	64.5	159.3	29,800	34,200
	130	27.3	68.4	14,300	16,700		85	62.6	156.7	27,200	31,200
	135	22.1	56.9	13,400	15,700		90	60.7	153.9	24,900	28,600
150	28	82.0	155.3	119,600*	119,600*		95	58.7	150.8	22,800	26,300
	30	81.2	154.9	115,600*	115,600*		100	56.7	147.5	21,000	24,300
	32	80.4	154.6	110,100	111,900*		105	54.6	144.0	19,400	22,500
	34	79.7	154.2	101,000	108,400*		110	52.5	140.1	17,900	20,800
	36	78.9	153.7	93,200	105,200*		115	50.3	136.0	16,600	19,300
	38	78.1	153.3	86,400	99,400		120	48.1	131.5	15,400	18,000
	40	77.3	152.8	80,400	92,400		125	45.7	126.7	14,200	16,800
	45	75.3	151.5	68,300	78,200		130	43.3	121.4	13,200	15,600
	50	73.3	150.0	59,100	67,500		135	40.7	115.6	12,300	14,600
	55	71.3	148.3	51,800	59,100		140	38.0	109.3	11,400	13,600
	60	69.3	146.4	45,900	52,300		145	35.1	102.3	10,600	12,700
	65	67.2	144.2	41,000	46,800		150	32.0	94.4	9,900	11,900
	70	65.1	141.9	36,900	42,100		155	28.5	85.5	9,200	11,100
	75	63.0	139.3	33,400	38,200		160	24.6	75.0	8,500	10,400
	80	60.8	136.5	30,400	34,800		165	19.9	62.1	7,900	9,700
	85	58.5	133.5	27,800	31,800	180	32	82.0	185.0	102,200*	102,200*
	90	56.2	130.1	25,500	29,200		34	81.4	184.7	99,100*	99,100*
	95	53.9	126.5	23,500	27,000		36	80.8	184.3	92,300	96,300*
	100	51.4	122.5	21,600	24,900		38	80.1	183.9	85,500	93,400*
	105	48.9	118.1	20,000	23,100		40	79.5	183.5	79,500	90,800*
	110	46.3	113.4	18,500	21,500		45	77.8	182.5	67,400	77,400
	115	43.5	108.2	17,200	20,000		50	76.2	181.2	58,200	66,600
	120	40.6	102.4	16,000	18,600		55	74.5	179.8	50,900	58,200
	125	37.5	96.0	14,900	17,400		60	72.9	178.3	44,900	51,400
	130	34.2	88.7	13,900	16,300		65	71.2	176.5	40,100	45,900
	135	30.5	80.4	12,900	15,200		70	69.5	174.7	36,000	41,200
	140	26.3	70.7	12,100	14,200		75	67.8	172.6	32,500	37,200
	145	21.3	58.7	11,200	13,400		80	66.0	170.4	29,500	33,800
160	28	82.5	165.4	116,900*	116,900*		85	64.3	167.9	26,800	30,900
	30	81.8	165.1	113,000*	113,000*		90	62.5	165.3	24,500	28,300
	32	81.0	164.7	109,400*	109,400*		95	60.7	162.5	22,500	26,000
	34	80.3	164.3	100,600	106,100*		100	58.8	159.5	20,700	24,000
	36	79.6	164.0	92,800	102,900*		105	56.9	156.2	19,000	22,200
	38	78.9	163.5	86,000	99,100		110	54.9	152.7	17,600	20,500
	40	78.1	163.1	80,000	92,000		115	53.0	148.9	16,200	19,000
	45	76.3	161.8	67,900	77,900		120	50.9	144.9	15,000	17,700
	50	74.4	160.4	58,700	67,100		125	48.8	140.5	13,900	16,400
	55	72.5	158.8	51,400	58,700		130	46.6	135.8	12,900	15,300
	60	70.6	157.1	45,500	52,000		135	44.3	130.7	11,900	14,200
	65	68.7	155.1	40,600	46,400		140	42.0	125.2	11,100	13,300
	70	66.8	153.0	36,500	41,700		145	39.5	119.2	10,300	12,400
	75	64.8	150.6	33,000	37,800		150	36.9	112.6	9,500	11,600
	80	62.8	148.0	30,000	34,400		155	34.0	105.3	8,800	10,800
	85	60.7	145.2	27,400	31,500		160	31.0	97.2	8,200	10,100
	90	58.6	142.1	25,100	28,900		165	27.7	87.9	7,600	9,400
	95	56.5	138.8	23,100	26,600		170	23.9	77.1	7,000	8,700
	100	54.3	135.2	21,300	24,500		175	19.3	63.8	6,400	8,100

MANITOWOC ENGINEERING CO.

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



LIFT CRANE CAPACITIES

BOOM NO. 39 WITH OPEN THROAT TOP
OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

3950W

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY CRAWLERS RETRACTED POUNDS	CAPACITY CRAWLERS EXTENDED POUNDS
190	34	81.9	194.8	95,000*	95,000*
	36	81.2	194.5	91,900	92,400*
	38	80.6	194.1	85,100	90,000*
	40	80.0	193.7	79,100	87,600*
	45	78.8	192.7	67,000	77,000
	50	76.9	191.5	57,700	66,200
	55	75.4	190.2	50,400	57,800
	60	73.8	188.7	44,500	51,000
	65	72.2	187.1	39,600	45,400
	70	70.6	185.4	35,500	40,800
	75	69.0	183.4	32,000	36,800
	80	67.4	181.3	29,000	33,400
	85	65.7	179.1	26,400	30,500
	90	64.0	176.6	24,100	27,900
	95	62.3	174.0	22,000	25,600
	100	60.6	171.2	20,200	23,500
	105	58.9	168.1	18,600	21,700
	110	57.1	164.9	17,100	20,100
	115	55.2	161.4	15,800	18,600
	120	53.3	157.7	14,600	17,200
200	125	51.4	153.7	13,400	16,000
	130	49.4	149.4	12,400	14,800
	135	47.4	144.9	11,500	13,800
	140	45.3	139.9	10,600	12,800
	145	43.1	134.6	9,800	11,900
	150	40.8	128.9	9,100	11,100
	155	38.4	122.6	8,400	10,300
	160	35.8	115.8	7,700	9,600
	165	33.1	108.2	7,100	8,900
	170	30.1	99.8	6,500	8,300
	175	26.9	90.2	6,000	7,700
	180	23.2	79.0	5,500	7,100
	185	18.8	65.4	5,000	6,600
	34	82.3	204.9	91,300*	91,300*
	36	81.7	204.6	89,000*	89,000*
	38	81.1	204.3	84,700	86,700*
	40	80.5	203.9	78,700	84,500*
	45	79.1	202.9	66,600	76,600
	50	77.6	201.8	57,300	68,800
	55	76.1	200.6	50,000	57,400
	60	74.6	199.2	44,100	50,600
	65	73.1	197.7	39,200	45,000
	70	71.6	196.0	35,100	40,400
	75	70.1	194.2	31,600	36,400
	80	68.6	192.2	28,600	33,000
	85	67.0	190.1	26,000	30,100
	90	65.4	187.8	23,700	27,500
	95	63.8	185.3	21,600	25,200
210	100	62.2	182.7	19,800	23,100
	105	60.6	179.8	18,200	21,300
	110	58.9	176.8	16,700	19,700
	115	57.2	173.6	15,400	18,200
	120	55.5	170.1	14,200	16,800
	125	53.7	166.5	13,000	15,600
	130	51.9	162.5	12,000	14,400
	135	50.0	158.4	11,100	13,400
	140	48.1	153.9	10,200	12,400
	145	46.1	149.1	9,400	11,500
	150	44.1	143.9	8,700	10,700
	155	41.9	138.4	8,000	9,900
	160	39.7	132.4	7,300	9,200
	165	37.3	125.9	6,700	8,500
	170	34.9	118.9	6,100	7,900
	175	32.2	111.1	5,600	7,300
	180	29.3	102.4	5,100	6,700
	185	26.2	92.5	4,600	6,200
	190	22.6	81.0	4,100	5,700
	195	18.3	66.9		5,200
220	38	81.9	224.5	79,500*	79,500*
	40	81.4	224.2	77,800*	77,800*
	45	80.1	223.3	66,000	73,600*
	50	78.7	222.3	56,700	65,200
	55	77.4	221.2	49,400	56,800
	60	76.1	219.9	43,500	50,000
	65	74.7	218.6	38,600	44,400
	70	73.4	217.0	34,500	39,700
	75	72.0	215.4	31,000	35,800
	80	70.6	213.6	28,000	32,400
	85	69.2	211.7	25,300	29,400
	90	67.8	209.7	23,000	26,800
	95	66.4	207.5	21,000	24,500
	100	65.0	205.1	19,200	22,500
	105	63.5	202.6	17,500	20,700
	110	62.0	200.0	16,000	19,000
	115	60.5	197.1	14,700	17,500
	120	59.0	194.1	13,500	16,200
	125	57.5	190.9	12,400	14,900
	130	55.9	187.6	11,400	13,800
230	135	54.3	184.0	10,400	12,700
	140	52.7	180.1	9,500	11,800
	145	51.0	176.1	8,700	10,900
	150	49.3	171.8	8,000	10,000
	155	47.5	167.2	7,300	9,200
	160	45.7	162.4	6,600	8,500
	165	43.8	157.2	6,000	7,800
	170	41.9	151.6	5,400	7,200
	175	39.9	145.7	4,900	6,600
	180	37.7	139.3	4,400	6,000
240	185	35.5	132.4		5,500
	190	33.2	124.8		5,000
	195	30.6	116.5		4,500
	200	27.9	107.3		4,100

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OFFSET 4-1/2 DEGREES
102,400 LB. COUNTERWEIGHT
360 DEGREE RATING

MEETS
ANSI B30.5
REQUIREMENTS

3950W

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	CAPACITY CRAWLERS RETRACTED POUNDS	CAPACITY CRAWLERS EXTENDED POUNDS
230	40	81.8	234.3	73,600*	73,600*
	45	80.5	233.5	65,700	69,900*
	50	79.2	232.5	56,400	64,900
	55	78.0	231.5	49,100	56,500
	60	76.7	230.3	43,100	49,700
	65	75.4	228.9	38,200	44,100
	70	74.1	227.5	34,100	39,400
	75	72.8	225.9	30,600	35,400
	80	71.5	224.3	27,600	32,000
	85	70.2	222.4	25,000	29,100
	90	68.8	220.5	22,700	26,500
	95	67.5	218.4	20,600	24,200
	100	66.1	216.2	18,800	22,100
	105	64.7	213.8	17,200	20,300
	110	63.4	211.3	15,700	18,700
	115	61.9	208.6	14,300	17,200
	120	60.5	205.8	13,100	15,800
	125	59.1	202.8	12,000	14,600
	130	57.6	199.6	11,000	13,400
	135	56.1	196.3	10,000	12,400
240	140	54.6	192.7	9,200	11,400
	145	53.0	188.9	8,400	10,500
	150	51.4	184.9	7,600	9,700
	155	49.8	180.7	6,900	8,900
	160	48.1	176.2	6,300	8,200
	165	46.4	171.5	5,600	7,500
	170	44.6	166.4	5,100	6,800
	175	42.8	161.1	4,500	6,200
	180	40.9	155.3	4,000	5,700
	185	38.9	149.2		5,100
	190	36.9	142.6		4,600
	195	34.7	135.4		4,200
	45	80.9	243.6	65,300	66,700*
	50	79.7	242.7	56,000	63,500*
	55	78.5	241.7	48,700	56,100
	60	77.3	240.6	42,700	49,300
	65	76.0	239.3	37,800	43,700
	70	74.8	237.9	33,700	39,000
	75	73.5	236.4	30,200	35,100
	80	72.3	234.8	27,200	31,600
	85	71.0	233.1	24,600	28,700
	90	69.8	231.2	22,300	26,100
250	95	68.5	229.3	20,200	23,800
	100	67.2	227.2	18,400	21,700
	105	65.9	224.9	16,800	19,900
	110	64.6	222.5	15,300	18,300
	115	63.2	220.0	13,900	16,800
	120	61.9	217.3	12,700	15,400
	125	60.5	214.5	11,600	14,200
	130	59.1	211.5	10,600	13,000
	135	57.7	208.3	9,600	12,000
	140	56.3	205.0	8,800	11,000
	145	54.8	201.4	8,000	10,100
	150	53.3	197.7	7,200	9,300
	155	51.8	193.8	6,500	8,500
	160	50.2	189.6	5,800	7,800
	165	48.6	185.2	5,200	7,100
	170	47.0	180.6	4,700	6,400
	175	45.3	175.6	4,100	5,800
	180	43.6	170.4		5,300
	185	41.8	164.9		4,700
	190	40.0	158.9		4,200
260	45	81.3	253.8	62,000*	62,000*
	50	80.1	252.9	55,700	59,200*
	55	78.9	251.9	48,400	55,800
	60	77.8	250.8	42,400	49,000
	65	76.6	249.6	37,500	43,400
	70	75.4	248.3	33,400	38,700
	75	74.2	246.9	29,900	34,800
	80	73.0	245.3	26,900	31,300
	85	71.8	243.7	24,300	28,400
	90	70.6	241.9	22,000	25,800
	95	69.4	240.0	19,900	23,500
	100	68.1	238.0	18,100	21,400
	105	66.9	235.9	16,500	19,600
	110	65.6	233.6	15,000	18,000
	115	64.4	231.2	13,600	16,500
	120	63.1	228.7	12,400	15,100
	125	61.8	226.0	11,300	13,900
	130	60.5	223.1	10,300	12,700
	135	59.1	220.1	9,300	11,700
	140	57.8	217.0	8,500	10,700
270	145	56.4	213.7	7,600	9,800
	150	55.0	210.1	6,900	9,000
	155	53.6	206.5	6,200	8,200
	160	52.1	202.6	5,500	7,500
	165	50.7	198.5	4,900	6,800
	170	49.1	194.2	4,300	6,100
	175	47.6	189.6		5,500
	180	46.0	184.8		5,000
	185	44.4	179.7		4,400
	50	80.5	263.1	55,300	55,700*
	55	79.4	262.1	48,000	53,100*
	60	78.3	261.1	42,100	48,600
	65	77.1	259.9	37,200	43,000
	70	76.0	258.7	33,000	38,300
	75	74.8	257.3	29,500	34,400
	80	73.7	255.8	26,500	31,000
	85	72.5	254.2	23,900	28,000
	90	71.4	252.5	21,600	25,400
	95	70.2	250.7	19,500	23,100
	100	69.0	248.8	17,700	21,100
	105	67.8	246.8	16,100	19,200
	110	66.6	244.6	14,600	17,600
	115	65.4	242.3	13,200	16,100
	120	64.2	239.9	12,000	14,700
280	125	63.0	237.3	10,900	13,500
	130	61.7	234.6	9,900	12,300
	135	60.5	231.8	8,900	11,300
	140	59.2	228.8	8,100	10,300
	145	57.9	225.6	7,300	9,400
	150	56.5	222.3	6,500	8,600
	155	55.2	218.9	5,800	7,800
	160	53.8	215.2	5,100	7,100
	165	52.5	211.4	4,500	6,400
	170	51.0	207.3	4,000	5,700
	175	49.6	203.1		5,100
	180	48.1	198.6		4,600
	185	46.6	193.9		4,000