MANITOWOC ENGINEERING CO.
Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220

LIFTCRANE BOOM CAPACITIES _____ 4100W SERIES 2

BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26'6" CRAWLERS EXTENDED
CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

CAPACITIES ARE FOR A CRAWLER MACHINE WHEN OPERATING ON A BARGE. MACHINE SHALL BE POSITIVELY SECURED TO PREVENT SHIFTING. 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 (*).

UPPER BOOM POINT CAPACITY FOR LIFTCRANE SERVICE WITH SINGLE PART WHIP LINE OR COMBINATION OF TWO SINGLE PART LINES IS 28,300 LBS. IN ALL CASES, UPPER BOOM POINT CAPACITIES CANNOT EXCEED THOSE LISTED FOR MAIN BOOM CAPACITY.

WEIGHT OF UPPER BOOM POINT, ALL LOAD BLOCKS, HOOKS, WEIGHT BALL, SLINGS, HOIST LINES, ETC., BENEATH BOOM 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 ON A FIRM UNIFORMLY SUPPORTING SURFACE WITH CRAWLERS FULLY EXTENDED, GANTRY UP AND MACHINE LIST NOT TO EXCEED DEGREES NOTED. REFER TO BOOM RIGGING NO. 190693 AND WIRE ROPE SPECIFICATION CHART NO. 6592-A. 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.

OPERATING RADIUS IS HORIZONTAL DISTANCE FROM AXIS OF ROTATION AT BARGE DECK 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 BARGE DECK TO CENTERLINE OF BOOM POINT SHAFT.

MACHINE EQUIPPED WITH 26'6" EXTENDIBLE CRAWLERS, 48" TREADS, 17' RETRACTABLE GANTRY, 12 PART BOOM HOIST REEVING, FOUR 1-3/8" BOOM PENDANTS, 1ST COUNTERWEIGHT = 41,900 LBS., 2ND COUNTERWEIGHT = 41,500 LBS., 3RD COUNTERWEIGHT = 39,000 LBS., TWO 12,000 LB. SIDE COUNTERWEIGHTS, AND TWO 30,000 LB. CARBODY COUNTERWEIGHTS.

MAXIMUM BOOM LENGTHS LIFTED UNASSISTED		
LIST	OVER FRONT OF CRAWLERS	OVER SIDE OF EXTENDED CRAWLERS
0 DEGREE	260'	260'
1 DEGREE	250'	250'
2 DEGREE	250'	250'
3 DEGREE	250'	250'
LOAD BLOCK, HOOK AND WEIGHT BALL ON BARGE AT START. JIB IS NOT TO BE USED ON CRAWLER MACHINE WHILE OPERATING ON A BARGE.		

DEDUCT FROM CAPACITIES WHEN UPPER BOOM POINT IS ATTACHED	
ONE SHEAVE POINT	1,200 LBS.
TWO SHEAVE POINT	1,500 LBS.

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY 0 DEGREE LIST POUNDS	BOOM CAPACITY 1 DEGREE LIST POUNDS	BOOM CAPACITY 2 DEGREE LIST POUNDS	BOOM CAPACITY 3 DEGREE LIST POUNDS	OPER. RAD. FEET
70	16.5	79.7	75.9	460,000*	375,200*			16.5
	17	79.3	75.8	400,000*	358,600*	326,300*		17
	18	78.5	75.6	380,100*	343,300*	313,700*	283,800*	18
	19	77.6	75.4	363,000*	329,200*	301,200*	275,100*	19
	20	76.8	75.2	347,300*	316,200*	290,200*	262,700*	20
	22	75.1	74.7	319,600*	292,400*	264,700*	240,800*	22
	24	73.4	74.1	293,400*	265,800*	242,600*	222,200*	24
	26	71.7	73.5	266,100	243,400*	223,800*	206,900*	26
	28	69.9	72.8	237,500	220,900	206,100	192,900	28
	30	68.2	72.0	214,300	200,600	188,300	177,100	30
	32	66.4	71.2	195,100	183,700	173,200	163,700	32
	34	64.6	70.3	178,900	169,200	160,300	152,000	34
	36	62.8	69.3	165,200	156,900	149,100	141,900	36
	38	60.9	68.2	153,300	146,100	139,300	133,000	38
	40	59.1	67.0	143,000	136,600	130,700	125,100	40
	45	54.1	63.7	122,100	117,500	113,000	108,800	45
	50	48.9	59.8	106,300	102,800	99,400	96,200	50
	55	43.2	55.0	93,900	91,200	88,600	86,100	55
	60	36.9	49.0	84,000	81,900	79,900	77,900	60
	65	29.4	41.3	75,800	74,200	72,600	71,100	65
	70	19.5	30.3	63,900*	63,300*	62,900*	62,500*	70

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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY 0 DEGREE LIST POUNDS	BOOM CAPACITY 1 DEGREE LIST POUNDS	BOOM CAPACITY 2 DEGREE LIST POUNDS	BOOM CAPACITY 3 DEGREE LIST POUNDS	OPER. RAD. FEET
80	17	80.6	85.9	392,800*	342,000*			17
	18	79.9	85.8	378,900*	336,600*	301,300*		18
	19	79.2	85.6	361,800*	323,800*	293,600*		19
	20	78.5	85.4	346,100*	311,100*	281,000*	251,700*	20
	22	77.0	85.0	318,400*	287,200*	256,800*	231,300*	22
	24	75.5	84.5	292,500*	261,300*	235,700*	213,900*	24
	26	74.0	83.9	265,600*	239,500*	217,700*	198,800*	26
	28	72.5	83.3	237,000	218,400	202,100	185,800*	28
	30	71.0	82.7	213,800	198,400	184,700	172,600	30
	32	69.5	81.9	194,600	181,700	170,100	159,600	32
	34	68.0	81.2	178,500	167,500	157,500	148,400	34
	36	66.4	80.3	164,700	155,200	146,500	138,600	36
	38	64.8	79.4	152,800	144,600	137,000	130,000	38
	40	63.3	78.4	142,400	135,200	128,500	122,300	40
	45	59.2	75.7	121,500	116,200	111,200	106,500	45
	50	54.9	72.5	105,700	101,700	97,800	94,100	50
	55	50.4	68.6	93,300	90,200	87,100	84,200	55
	60	45.6	64.1	83,400	80,900	78,400	75,100	60
	65	40.3	58.8	75,200	73,200	71,200	69,300	65
	70	34.4	52.2	68,300	66,700	65,200	63,600	70
	75	27.4	43.9	62,500	61,300	60,000	58,800	75
	80	18.2	32.0	53,900*	53,400*	53,100*	52,800*	80
90	18	81.1	95.9	355,400*				18
	19	80.4	95.7	346,900*	293,200*			19
	20	79.8	95.6	336,900*	288,900*	255,900*		20
	22	78.5	95.2	317,400*	280,600*	248,700*	222,600*	22
	24	77.2	94.8	291,700*	257,000*	229,300*	206,200*	24
	26	75.9	94.3	264,800*	235,700*	212,000*	192,000*	26
	28	74.5	93.7	236,600	216,000	197,200*	179,500*	28
	30	73.2	93.2	213,400	196,300	181,400	168,300	30
	32	71.9	92.5	194,200	179,800	167,100	155,800	32
	34	70.5	91.9	178,000	165,800	154,800	145,000	34
	36	69.2	91.1	164,200	153,700	144,100	135,500	36
	38	67.8	90.3	152,300	143,200	134,800	127,200	38
	40	66.4	89.5	142,000	133,900	126,500	119,700	40
	45	62.9	87.1	121,100	115,100	109,500	104,300	45
	50	59.3	84.4	105,200	100,600	96,300	92,200	50
	55	55.5	81.2	92,800	89,200	85,700	82,500	55
	60	51.5	77.5	82,900	80,000	77,100	74,500	60
	65	47.3	73.2	74,700	72,300	70,000	67,800	65
	70	42.8	68.2	67,800	65,900	64,000	62,200	70
	75	37.9	62.3	62,000	60,400	58,900	57,300	75
	80	32.4	55.2	57,000	55,700	54,400	53,200	80
	85	25.8	46.2	52,600	51,600	50,600	49,600	85
	90	17.1	33.5	45,900*	45,600*	45,300*	45,000*	90
100	19	81.4	105.9	332,900*				19
	20	80.8	105.7	327,100*	280,000*			20
	22	79.6	105.4	316,200*	271,800*	240,100*		22
	24	78.5	105.0	290,800*	252,800*	222,400*	198,800*	24
	26	77.3	104.6	263,900*	232,000*	206,500*	185,400*	26
	28	76.1	104.1	236,200	213,600	192,200*	173,600*	28
	30	74.9	103.6	212,900	194,200	178,100	163,100*	30
	32	73.7	103.0	193,700	178,000	164,200	152,100	32
	34	72.5	102.4	177,500	164,100	152,200	141,700	34
	36	71.3	101.7	163,700	152,100	141,800	132,500	36
	38	70.1	101.0	151,800	141,700	132,600	124,400	38
	40	68.9	100.3	141,400	132,600	124,500	117,200	40
	45	65.8	98.2	120,500	113,900	107,800	102,100	45
	50	62.6	95.8	104,700	99,600	94,800	90,300	50
	55	59.3	93.0	92,300	88,200	84,400	80,800	55
	60	55.9	89.9	82,300	79,000	75,900	72,900	60
	65	52.4	86.2	74,100	71,400	68,800	66,400	65
	70	48.7	82.1	67,200	65,000	62,900	60,800	70
	75	44.8	77.4	61,400	59,600	57,700	56,000	75
	80	40.5	72.0	56,400	54,900	53,300	51,900	80
	85	35.9	65.6	52,000	50,800	49,500	48,200	85
	90	30.7	58.0	48,200	47,200	46,100	45,100	90
	95	24.5	48.5	44,900	44,000	43,100	42,300	95
	100	16.3	35.0	39,300*	39,000*	38,700*	38,500*	100

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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY 0 DEGREE LIST POUNDS	BOOM CAPACITY 1 DEGREE LIST POUNDS	BOOM CAPACITY 2 DEGREE LIST POUNDS	BOOM CAPACITY 3 DEGREE LIST POUNDS	OPER. RAD. FEET
110	22	80.6	115.5	291,600*	240,700*			22
	24	79.5	115.2	282,900*	234,500*	204,200*		24
	26	78.5	114.8	263,200*	228,500*	199,700*	177,500*	26
	28	77.4	114.4	235,800	211,100*	187,600*	168,200*	28
	30	76.3	113.9	212,500	192,300	175,000	158,200*	30
	32	75.3	113.4	193,300	176,200	161,500	148,700	32
	34	74.2	112.8	177,100	162,500	149,800	138,600	34
	36	73.1	112.2	163,300	150,700	139,600	129,700	36
	38	72.0	111.6	151,400	140,400	130,600	121,900	38
	40	70.9	110.9	141,000	131,400	122,600	114,800	40
	45	68.1	109.1	120,100	112,900	106,200	100,200	45
	50	65.3	106.9	104,200	98,600	93,400	88,600	50
	55	62.4	104.5	91,800	87,400	83,200	79,300	55
	60	59.4	101.7	81,800	78,200	74,800	71,600	60
	65	56.3	98.5	73,600	70,700	67,800	65,100	65
	70	53.1	95.0	66,800	64,300	61,900	59,600	70
	75	49.8	91.0	60,900	58,900	56,800	54,900	75
	80	46.3	86.5	55,900	54,200	52,400	50,800	80
	85	42.6	81.4	51,600	50,100	48,600	47,200	85
	90	38.6	75.6	47,800	46,500	45,200	44,000	90
	95	34.2	68.8	44,400	43,300	42,200	41,200	95
	100	29.2	60.7	41,400	40,500	39,600	38,700	100
	105	23.3	50.6	38,700	38,000	37,200	36,500	105
	110	15.5	36.4	33,900*	33,600*	33,400*	33,200*	110
120	22	81.4	125.6	285,000*				22
	24	80.4	125.3	271,700*	226,600*			24
	26	79.4	125.0	259,800*	220,900*	193,000*		26
	28	78.5	124.6	235,300	207,900*	182,500*	162,800*	28
	30	77.5	124.2	212,100	190,200	171,300*	153,300*	30
	32	76.5	123.7	192,800	174,400	158,700	144,700*	32
	34	75.5	123.2	176,600	160,900	147,300	135,500	34
	36	74.5	122.7	162,800	149,200	137,300	126,900	36
	38	73.5	122.1	150,900	139,000	128,500	119,300	38
	40	72.5	121.5	140,500	130,000	120,700	112,400	40
	45	70.0	119.8	119,500	111,700	104,600	98,200	45
	50	67.5	117.8	103,700	97,600	92,000	86,900	50
	55	64.8	115.6	91,300	86,400	81,900	77,700	55
	60	62.2	113.1	81,300	77,300	73,600	70,100	60
	65	59.4	110.3	73,100	69,800	66,700	63,800	65
	70	56.6	107.2	66,200	63,500	60,800	58,400	70
	75	53.7	103.7	60,400	58,000	55,800	53,700	75
	80	50.7	99.9	55,300	53,400	51,500	49,600	80
	85	47.5	95.5	51,000	49,300	47,600	46,100	85
	90	44.2	90.7	47,200	45,700	44,300	42,900	90
	95	40.7	85.2	43,800	42,500	41,300	40,100	95
	100	36.9	79.0	40,800	39,700	38,600	37,600	100
	105	32.7	71.8	38,100	37,200	36,200	35,300	105
	110	28.0	63.3	35,700	34,900	34,100	33,300	110
	115	22.3	52.6	33,500	32,800	32,200	31,500	115

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0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY 0 DEGREE LIST POUNDS	BOOM CAPACITY 1 DEGREE LIST POUNDS	BOOM CAPACITY 2 DEGREE LIST POUNDS	BOOM CAPACITY 3 DEGREE LIST POUNDS	OPER. RAD. FEET
130	24	81.2	135.5	260,000*				24
	26	80.3	135.1	248,600*	203,000*			26
	28	79.4	134.8	234,700*	198,400*	170,600*		28
	30	78.5	134.4	211,800	188,400	167,200*	147,200*	30
	32	77.6	134.0	192,500	172,800	156,200	140,800*	32
	34	76.7	133.5	176,300	159,500	145,100	132,800	34
	36	75.7	133.0	162,500	147,900	135,300	124,400	36
	38	74.8	132.5	150,600	137,900	126,700	117,000	38
	40	73.9	131.9	140,200	129,000	119,100	110,400	40
	45	71.6	130.4	119,300	110,800	103,200	96,500	45
	50	69.3	128.6	103,400	96,000	90,900	85,400	50
	55	66.9	126.6	91,000	85,700	80,900	76,400	55
	60	64.5	124.3	81,000	76,700	72,700	69,000	60
	65	62.0	121.8	72,800	69,200	65,900	62,800	65
	70	59.5	119.0	65,900	62,900	60,100	57,400	70
	75	56.9	115.9	60,000	57,500	55,100	52,800	75
	80	54.2	112.5	55,000	52,900	50,800	48,800	80
	85	51.5	108.7	50,700	48,800	47,000	45,300	85
	90	48.6	104.5	46,800	45,200	43,700	42,100	90
	95	45.6	99.8	43,500	42,100	40,700	39,400	95
	100	42.4	94.7	40,500	39,200	38,000	36,900	100
	105	39.0	88.9	37,800	36,700	35,600	34,600	105
	110	35.4	82.3	35,300	34,400	33,500	32,600	110
	115	31.4	74.7	33,100	32,300	31,500	30,800	115
	120	26.0	65.7	31,100	30,500	29,800	29,100	120
	125	21.4	54.5	29,300	28,700	28,200	27,600	125
140	26	81.0	145.3	239,700*	195,500*			26
	28	80.1	144.9	230,800*	191,000*			28
	30	79.3	144.6	211,300	186,500	161,100*		30
	32	78.5	144.2	192,100	171,100	153,600*	136,600*	32
	34	77.6	143.8	175,800	157,900	142,700	129,500*	34
	36	76.8	143.3	162,000	145,500	133,200	121,800	36
	38	75.9	142.8	150,100	136,500	124,700	114,600	38
	40	75.1	142.3	139,700	127,700	117,200	108,100	40
	45	73.0	140.9	118,700	109,700	101,700	94,500	45
	50	70.8	139.2	102,800	95,800	89,500	83,700	50
	55	68.6	137.4	90,400	84,800	79,600	74,900	55
	60	66.4	135.3	80,400	75,800	71,600	67,600	60
	65	64.2	133.0	72,200	68,400	64,800	61,500	65
	70	61.9	130.5	65,300	62,100	59,100	56,200	70
	75	59.5	127.7	59,500	56,700	54,100	51,700	75
	80	57.1	124.6	54,400	52,100	49,800	47,700	80
	85	54.6	121.2	50,100	48,100	46,100	44,200	85
	90	52.1	117.5	46,200	44,500	42,800	41,100	90
	95	49.5	113.4	42,900	41,300	39,800	38,400	95
	100	46.7	108.9	39,900	38,500	37,200	35,900	100
	105	43.8	104.0	37,200	36,000	34,800	33,700	105
	110	40.8	98.5	34,700	33,700	32,600	31,600	110
	115	37.5	92.3	32,500	31,600	30,700	29,800	115
	120	34.0	85.4	30,500	29,700	28,900	28,100	120
	125	30.2	77.4	28,700	28,000	27,300	26,600	125
	130	25.8	68.0	27,000	26,400	25,800	25,200	130
	135	20.7	56.4	25,500	25,000	24,400	23,900	135

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CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY 0 DEGREE LIST POUNDS	BOOM CAPACITY 1 DEGREE LIST POUNDS	BOOM CAPACITY 2 DEGREE LIST POUNDS	BOOM CAPACITY 3 DEGREE LIST POUNDS	OPER. RAD. FEET
150	28	80.8	155.1	218,600*	173,700*			28
	30	80.0	154.7	210,300*	170,100*			30
	32	79.2	154.4	191,600	166,700*	141,800*		32
	34	78.5	154.0	175,400	156,300	139,300*	121,500*	34
	36	77.7	153.6	161,600	145,100	131,100	119,300	36
	38	76.9	153.1	149,600	135,200	122,900	112,300	38
	40	76.1	152.6	139,200	126,500	115,500	106,000	40
	45	74.1	151.3	118,200	108,700	100,200	92,700	45
	50	72.1	149.8	102,400	94,900	88,200	82,200	50
	55	70.1	148.1	89,900	84,000	78,500	73,500	55
	60	68.1	146.2	79,900	75,000	70,500	66,400	60
	65	66.0	144.0	71,700	67,600	63,800	60,300	65
	70	63.9	141.7	64,800	61,400	58,100	55,100	70
	75	61.7	139.1	59,000	56,000	53,300	50,700	75
	80	59.6	136.3	53,900	51,400	49,000	46,700	80
	85	57.3	133.3	49,600	47,400	45,300	43,300	85
	90	55.0	129.9	45,700	43,800	42,000	40,200	90
	95	52.7	126.2	42,400	40,700	39,100	37,500	95
	100	50.2	122.3	39,400	37,900	36,400	35,000	100
	105	47.7	117.9	36,700	35,400	34,100	32,800	105
	110	45.0	113.1	34,200	33,100	31,900	30,800	110
	115	42.3	107.9	32,000	31,000	30,000	29,000	115
	120	39.3	102.1	30,000	29,100	28,200	27,300	120
	125	36.2	95.7	28,200	27,400	26,600	25,800	125
	130	32.9	88.4	26,500	25,800	25,100	24,400	130
	135	29.2	80.1	25,000	24,300	23,700	23,100	135
	140	25.0	70.3	23,500	23,000	22,400	21,900	140
	145	19.9	58.2	22,200	21,800	21,300	20,600	145
160	28	81.4	165.2	208,500*				28
	30	80.6	164.9	203,500*	163,200*			30
	32	79.9	164.5	191,100	159,900*	136,100*		32
	34	79.2	164.2	174,900	154,800	133,700*		34
	36	78.5	163.8	161,000	143,600	129,000	114,800*	36
	38	77.7	163.4	149,100	133,900	120,900	110,000	38
	40	77.0	162.9	138,700	125,200	113,700	103,800	40
	45	75.2	161.7	117,700	107,600	98,700	90,900	45
	50	73.3	160.3	101,800	93,900	86,800	80,500	50
	55	71.4	158.7	89,300	83,000	77,300	72,100	55
	60	69.5	156.9	79,300	74,200	69,400	65,000	60
	65	67.6	154.9	71,100	66,800	62,800	59,100	65
	70	65.6	152.8	64,200	60,600	57,100	54,000	70
	75	63.7	150.4	58,400	55,300	52,300	49,600	75
	80	61.6	147.8	53,300	50,700	48,100	45,700	80
	85	59.6	145.0	49,000	46,600	44,400	42,300	85
	90	57.5	141.9	45,100	43,100	41,100	39,300	90
	95	55.3	138.6	41,800	40,000	38,200	36,500	95
	100	53.1	135.0	38,700	37,200	35,600	34,100	100
	105	50.9	131.1	36,000	34,600	33,200	31,900	105
	110	48.5	126.9	33,600	32,400	31,100	29,900	110
	115	46.1	122.2	31,400	30,300	29,200	28,100	115
	120	43.5	117.2	29,400	28,400	27,400	26,400	120
	125	40.9	111.7	27,600	26,700	25,800	24,900	125
	130	38.0	105.6	25,900	25,100	24,300	23,500	130
	135	35.0	98.9	24,300	23,600	22,900	22,200	135
	140	31.8	91.3	22,900	22,300	21,600	21,000	140
	145	28.2	82.6	21,600	21,000	20,500	19,900	145
	150	24.1	72.5	20,400	19,900	19,400	18,900	150
	155	19.3	59.9	19,200*	18,800	18,400	17,900	155

MANITOWOC ENGINEERING CO.

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

LIFTCRANE BOOM CAPACITIES 4100W SERIES 2

BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26'6" CRAWLERS EXTENDED
CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY 0 DEGREE LIST POUNDS	BOOM CAPACITY 1 DEGREE LIST POUNDS	BOOM CAPACITY 2 DEGREE LIST POUNDS	BOOM CAPACITY 3 DEGREE LIST POUNDS	OPER. RAD. FEET
170	30	81.2	175.0	192,600*				30
	32	80.5	174.7	188,400*	149,100*			32
	34	79.8	174.3	174,600	146,400*	123,200*		34
	36	79.2	174.0	160,800	142,400	121,200*		36
	38	78.5	173.6	148,800	132,800	119,300*	103,300*	38
	40	77.8	173.1	138,400	124,200	112,200	101,800*	40
	45	76.0	172.0	117,400	106,700	97,400	89,400	45
	50	74.3	170.7	101,500	93,200	85,800	79,300	50
	55	72.5	169.2	89,100	82,400	76,400	71,000	55
	60	70.8	167.5	79,000	73,600	68,600	64,000	60
	65	69.0	165.7	70,800	66,300	62,000	58,200	65
	70	67.2	163.7	63,900	60,100	56,500	53,200	70
	75	65.3	161.5	58,100	54,800	51,700	48,800	75
	80	63.4	159.1	53,000	50,200	47,500	45,000	80
	85	61.5	156.5	48,700	46,200	43,800	41,600	85
	90	59.6	153.6	44,900	42,700	40,600	38,600	90
	95	57.6	150.6	41,500	39,600	37,700	35,900	95
	100	55.6	147.3	38,500	36,800	35,100	33,500	100
	105	53.6	143.7	35,800	34,300	32,800	31,300	105
	110	51.4	139.9	33,300	32,000	30,600	29,400	110
	115	49.2	135.8	31,100	29,900	28,700	27,600	115
	120	47.0	131.3	29,100	28,000	27,000	25,900	120
	125	44.6	126.4	27,300	26,300	25,300	24,400	125
	130	42.2	121.1	25,600	24,700	23,800	23,000	130
	135	39.6	115.4	24,100	23,300	22,500	21,700	135
	140	36.9	109.0	22,600	21,900	21,200	20,500	140
	145	34.0	102.0	21,300	20,700	20,000	19,400	145
	150	30.8	94.1	20,100	19,500	18,900	18,300	150
	155	27.3	85.1	18,900	18,400	17,900	17,400	155
	160	23.4	74.6	17,800	17,400	17,000	16,500	160
	165	18.7	61.6	16,400*	16,200*	16,100	15,700	165
180	32	81.1	184.8	180,000*				32
	34	80.4	184.5	174,100*	139,700*			34
	36	79.8	184.1	160,300	137,200*	115,900*		36
	38	79.1	183.8	148,300	131,500	114,000*		38
	40	78.5	183.4	137,900	123,000	110,500	97,400*	40
	45	76.8	182.3	116,900	105,700	96,000	87,600	45
	50	75.2	181.0	101,000	92,200	84,500	77,700	50
	55	73.5	179.6	88,500	81,500	75,200	69,600	55
	60	71.9	178.1	78,500	72,700	67,500	62,800	60
	65	70.2	176.4	70,300	65,500	61,000	57,000	65
	70	68.5	174.5	63,400	59,300	55,500	52,100	70
	75	66.8	172.4	57,500	54,000	50,800	47,700	75
	80	65.0	170.2	52,500	49,500	46,600	44,000	80
	85	63.3	167.8	48,100	45,500	43,000	40,700	85
	90	61.5	165.1	44,300	42,000	39,800	37,700	90
	95	59.6	162.3	40,900	38,900	36,900	35,000	95
	100	57.8	159.3	37,900	36,100	34,300	32,600	100
	105	55.9	156.0	35,200	33,600	32,000	30,500	105
	110	53.9	152.5	32,700	31,300	29,900	28,500	110
	115	51.9	148.7	30,500	29,200	28,000	26,700	115
	120	49.9	144.6	28,500	27,400	26,200	25,100	120
	125	47.8	140.3	26,700	25,700	24,600	23,600	125
	130	45.6	135.6	25,000	24,100	23,100	22,200	130
	135	43.3	130.5	23,500	22,600	21,700	20,900	135
	140	40.9	124.9	22,000	21,300	20,500	19,700	140
	145	38.4	118.9	20,700	20,000	19,300	18,600	145
	150	35.8	112.3	19,500	18,800	18,200	17,500	150
	155	33.0	105.0	18,300	17,800	17,200	16,600	155
	160	29.9	96.8	17,200	16,800	16,200	15,700	160
	165	26.6	87.5	16,200	15,800	15,300	14,900	165
	170	22.7	76.6	15,300	14,900	14,500	14,100	170
	175	18.2	63.2	13,500*	13,400*	13,200*	13,000*	175

MANITOWOC ENGINEERING CO.
Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220

LIFTCRANE BOOM CAPACITIES 4100W SERIES 2

BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26'6" CRAWLERS EXTENDED
CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY 0 DEGREE LIST POUNDS	BOOM CAPACITY 1 DEGREE LIST POUNDS	BOOM CAPACITY 2 DEGREE LIST POUNDS	BOOM CAPACITY 3 DEGREE LIST POUNDS	OPER. RAD. FEET
190	32	81.5	194.9	171,000*				32
	34	80.9	194.6	166,100*	129,500*			34
	36	80.3	194.3	159,800	127,300*			36
	38	79.7	193.9	147,900	125,100*	104,500*		38
	40	79.1	193.6	137,400	121,800	102,900*		40
	45	77.5	192.5	116,400	104,600	94,600	85,300*	45
	50	76.0	191.4	100,500	91,300	83,300	76,200	50
	55	74.4	190.0	88,000	80,700	74,100	68,300	55
	60	72.9	188.6	78,000	71,900	66,500	61,600	60
	65	71.3	186.9	69,700	64,700	60,100	55,900	65
	70	69.7	185.2	62,800	58,600	54,600	51,000	70
	75	68.1	183.2	57,000	53,300	49,900	46,800	75
	80	66.4	181.1	52,000	48,800	45,800	43,100	80
	85	64.8	178.9	47,600	44,800	42,200	39,800	85
	90	63.1	176.4	43,800	41,300	39,000	36,800	90
	95	61.4	173.8	40,400	38,200	36,200	34,200	95
	100	59.7	171.0	37,400	35,500	33,600	31,800	100
	105	57.9	167.9	34,700	33,000	31,300	29,700	105
	110	56.1	164.7	32,200	30,700	29,200	27,800	110
	115	54.3	161.2	30,000	28,600	27,300	26,000	115
	120	52.4	157.5	28,000	26,800	25,500	24,300	120
	125	50.4	153.5	26,200	25,100	23,900	22,800	125
	130	48.5	149.2	24,500	23,500	22,400	21,500	130
	135	46.4	144.6	22,900	22,000	21,100	20,200	135
	140	44.3	139.7	21,500	20,700	19,800	19,000	140
	145	42.1	134.4	20,200	19,400	18,600	17,900	145
	150	39.8	128.6	18,900	18,300	17,500	16,800	150
	155	37.4	122.3	17,800	17,200	16,500	15,900	155
	160	34.8	115.5	16,700	16,200	15,600	15,000	160
	165	32.1	107.9	15,700	15,200	14,700	14,100	165
	170	29.1	99.4	14,800	14,300	13,800	13,400	170
	175	25.8	89.8	13,900	13,500	13,100	12,600	175
	180	22.1	78.6	13,100	12,700	12,300	11,900	180
	185	17.7	64.8	11,000*	10,800*	10,700*	10,500*	185
200	34	81.4	204.7	157,200*				34
	36	80.8	204.4	153,500*	120,100*			36
	38	80.2	204.1	147,400	118,100*			38
	40	79.6	203.7	136,900	116,100*	97,300*		40
	45	78.2	202.8	115,900	103,600	93,100	77,800*	45
	50	76.7	201.6	100,000	90,300	82,000	74,700	50
	55	75.2	200.4	87,500	79,800	72,900	66,900	55
	60	73.7	199.0	77,400	71,100	65,400	60,300	60
	65	72.2	197.5	69,200	63,900	59,100	54,800	65
	70	70.7	195.8	62,300	57,800	53,700	49,900	70
	75	69.2	194.0	56,400	52,600	49,000	45,800	75
	80	67.7	192.0	51,400	48,100	44,900	42,100	80
	85	66.1	189.9	47,000	44,100	41,400	38,800	85
	90	64.5	187.6	43,200	40,600	38,200	35,900	90
	95	62.9	185.1	39,800	37,500	35,400	33,300	95
	100	61.3	182.5	36,800	34,800	32,800	31,000	100
	105	59.7	179.6	34,100	32,300	30,500	28,900	105
	110	58.0	176.6	31,600	30,000	28,400	26,900	110
	115	56.3	173.4	29,400	28,000	26,500	25,200	115
	120	54.5	169.9	27,400	26,100	24,800	23,500	120
	125	52.8	166.3	25,600	24,400	23,200	22,000	125
	130	50.9	162.3	23,900	22,800	21,700	20,700	130
	135	49.1	158.1	22,300	21,400	20,400	19,400	135
	140	47.2	153.6	20,900	20,000	19,100	18,200	140
	145	45.2	148.8	19,600	18,800	17,900	17,100	145
	150	43.1	143.7	18,300	17,600	16,800	16,100	150
	155	41.0	138.2	17,200	16,500	15,800	15,100	155
	160	38.7	132.2	16,100	15,500	14,900	14,200	160
	165	36.4	125.7	15,100	14,600	14,000	13,400	165
	170	33.9	118.6	14,200	13,700	13,100	12,600	170
	175	31.2	110.7	13,300	12,800	12,300	11,800	175
	180	28.4	102.0	12,400	12,100	11,600	11,100	180
	185	25.2	92.1	11,700	11,300	10,900	10,500	185
	190	21.6	80.5	10,900	10,600	10,200	9,900	190
	195	17.3	66.3	8,500*	8,400*	8,200*	8,100*	195

MANITOWOC ENGINEERING CO.

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

LIFTCRANE BOOM CAPACITIES 4100W SERIES 2

BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26'6" CRAWLERS EXTENDED
CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY 0 DEGREE LIST POUNDS	BOOM CAPACITY 1 DEGREE LIST POUNDS	BOOM CAPACITY 2 DEGREE LIST POUNDS	BOOM CAPACITY 3 DEGREE LIST POUNDS	OPER. RAD. FEET
	36	81.2	214.6	146,000*				36
	38	80.7	214.2	143,300*	111,900*			38
	40	80.1	213.9	136,600	110,100*			40
	45	78.7	213.0	115,500	102,700	87,600*		45
	50	77.3	211.9	99,600	89,600	80,900	68,500*	50
	55	75.9	210.7	87,100	79,100	72,000	65,800	55
	60	74.5	209.4	77,100	70,500	64,600	59,300	60
	65	73.1	208.0	68,800	63,300	58,300	53,800	65
	70	71.7	206.4	61,900	57,300	53,000	49,100	70
	75	70.2	204.6	56,100	52,100	48,400	45,000	75
	80	68.8	202.8	51,000	47,600	44,300	41,300	80
	85	67.3	200.8	46,700	43,600	40,800	38,100	85
	90	65.8	198.6	42,800	40,200	37,600	35,300	90
	95	64.3	196.3	39,400	37,100	34,800	32,700	95
	100	62.8	193.8	36,400	34,300	32,300	30,400	100
	105	61.3	191.1	33,700	31,800	30,000	28,300	105
	110	59.7	188.3	31,300	29,600	27,900	26,400	110
	115	58.1	185.3	29,100	27,600	26,000	24,600	115
	120	56.5	182.1	27,100	25,700	24,300	23,000	120
	125	54.8	178.6	25,200	24,000	22,700	21,500	125
	130	53.1	175.0	23,500	22,400	21,300	20,200	130
	135	51.4	171.1	22,000	21,000	19,900	18,900	135
	140	49.6	167.0	20,600	19,600	18,600	17,700	140
	145	47.8	162.6	19,200	18,400	17,500	16,600	145
	150	46.0	157.9	18,000	17,200	16,400	15,600	150
	155	44.0	152.9	16,800	16,100	15,400	14,600	155
	160	42.0	147.6	15,800	15,100	14,400	13,700	160
	165	39.9	141.8	14,800	14,200	13,500	12,900	165
	170	37.8	135.6	13,800	13,300	12,700	12,100	170
	175	35.5	128.9	12,900	12,400	11,900	11,400	175
	180	33.1	121.6	12,100	11,700	11,200	10,700	180
	185	30.5	113.5	11,300	10,900	10,500	10,000	185
	190	27.7	104.5	10,600	10,200	9,800	9,400	190
	195	24.6	94.3	9,900	9,600	9,200	8,800	195
	200	21.0	82.4	8,800*	8,600*	8,500*	8,300	200
	205	16.8	67.8	6,500*	6,500*	6,300*	6,200*	205

LIFTCRANE BOOM CAPACITIES 4100W SERIES 2

BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26'6" CRAWLERS EXTENDED
CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY 0 DEGREE LIST POUNDS	BOOM CAPACITY 1 DEGREE LIST POUNDS	BOOM CAPACITY 2 DEGREE LIST POUNDS	BOOM CAPACITY 3 DEGREE LIST POUNDS	OPER. RAD. FEET
220	38	81.1	224.4	135,900*				38
	40	80.6	224.0	133,400*	104,200*			40
	45	79.3	223.2	115,000	100,200*			45
	50	77.9	222.1	99,100	88,600	77,400*		50
	55	76.6	221.0	86,600	78,200	70,900	60,100*	55
	60	75.3	219.8	76,600	69,700	63,500	58,100	60
	65	73.9	218.4	68,300	62,500	57,400	52,700	65
	70	72.5	216.9	61,400	56,500	52,100	48,100	70
	75	71.2	215.2	55,500	51,400	47,500	44,000	75
	80	69.8	213.5	50,500	46,900	43,500	40,400	80
	85	68.4	211.6	46,100	43,000	40,000	37,200	85
	90	67.0	209.5	42,300	39,500	36,800	34,400	90
	95	65.6	207.3	38,900	36,400	34,000	31,800	95
	100	64.1	205.0	35,800	33,700	31,500	29,500	100
	105	62.7	202.5	33,100	31,200	29,300	27,500	105
	110	61.2	199.8	30,700	28,900	27,200	25,600	110
	115	59.7	196.9	28,500	26,900	25,300	23,800	115
	120	58.2	193.9	26,500	25,000	23,600	22,200	120
	125	56.6	190.7	24,600	23,300	22,000	20,800	125
	130	55.1	187.3	23,000	21,800	20,600	19,400	130
	135	53.5	183.8	21,400	20,300	19,200	18,100	135
	140	51.8	179.9	20,000	19,000	18,000	17,000	140
	145	50.1	175.9	18,600	17,700	16,800	15,900	145
	150	48.4	171.6	17,400	16,600	15,700	14,900	150
	155	46.7	167.0	16,300	15,500	14,700	13,900	155
	160	44.8	162.1	15,200	14,500	13,700	13,000	160
	165	43.0	156.9	14,200	13,500	12,800	12,200	165
	170	41.0	151.4	13,200	12,700	12,000	11,400	170
	175	39.0	145.4	12,300	11,800	11,200	10,600	175
	180	36.9	139.0	11,500	11,000	10,500	9,900	180
	185	34.6	132.1	10,700	10,300	9,800	9,300	185
	190	32.3	124.5	10,000	9,600	9,100	8,700	190
	195	29.8	116.2	9,300	8,900	8,500	8,100	195
	200	27.0	106.9	8,600	8,300	7,900	7,500	200
	205	24.0	96.4	8,000	7,700	7,300	7,000	205
	210	20.6	84.2	6,500*	6,300*	6,200*	6,000*	210
	215	16.4	69.3	4,400*	4,300*	4,200*	4,100*	215

MANITOWOC ENGINEERING CO.

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

LIFTCRANE BOOM CAPACITIES 4100W SERIES 2

BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26'6" CRAWLERS EXTENDED
CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

2
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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY 0 DEGREE LIST POUNDS	BOOM CAPACITY 1 DEGREE LIST POUNDS	BOOM CAPACITY 2 DEGREE LIST POUNDS	BOOM CAPACITY 3 DEGREE LIST POUNDS	OPER. RAD. FEET
	30	81.5	234.5	132,900*				30
	40	81.0	234.2	125,200*				40
	45	79.7	233.3	114,500	93,300*			45
	50	78.5	232.4	98,600	87,700			50
	55	77.2	231.3	86,100	77,400	68,400*		55
	60	75.9	230.1	76,100	68,900	62,500	52,700*	60
	65	74.6	228.8	67,800	61,800	56,400	51,700	65
	70	73.3	227.3	60,900	55,800	51,200	47,100	70
	75	72.0	225.8	55,000	50,700	46,700	43,000	75
	80	70.7	224.1	50,000	46,200	42,700	39,500	80
	85	69.4	222.3	45,600	42,300	39,200	36,400	85
	90	68.0	220.3	41,700	38,900	36,100	33,600	90
	95	66.7	218.2	38,400	35,800	33,300	31,000	95
	100	65.3	216.0	35,300	33,000	30,000	28,800	100
	105	64.0	213.6	32,600	30,600	28,600	26,700	105
	110	62.6	211.1	30,200	28,300	26,500	24,800	110
	115	61.1	208.4	28,000	26,300	24,700	23,100	115
	120	59.7	205.6	26,000	24,500	22,900	21,500	120
	125	58.3	202.6	24,100	22,800	21,400	20,100	125
	130	56.8	199.4	22,400	21,200	19,900	18,700	130
	135	55.3	196.1	20,900	19,700	18,600	17,500	135
	140	53.8	192.5	19,400	18,400	17,300	16,300	140
	145	52.2	188.7	18,100	17,200	16,200	15,200	145
	150	50.6	184.7	16,900	16,000	15,100	14,200	150
	155	49.0	180.5	15,700	14,900	14,100	13,200	155
	160	47.3	176.0	14,700	13,900	13,100	12,400	160
	165	45.6	171.3	13,600	13,000	12,200	11,500	165
	170	43.8	166.2	12,700	12,100	11,400	10,700	170
	175	42.0	160.8	11,800	11,300	10,600	10,000	175
	180	40.1	155.1	11,000	10,500	9,900	9,300	180
	185	38.1	148.9	10,200	9,700	9,200	8,600	185
	190	36.0	142.3	9,400	9,000	8,500	8,000	190
	195	33.9	135.1	8,700	8,400	7,900	7,400	195
	200	31.6	127.4	8,100	7,700	7,300	6,900	200
	205	29.1	118.8	7,400	7,100	6,700	6,300	205
	210	26.4	109.3	6,800*	6,600	6,200	5,800	210
	215	23.5	98.5	6,100*	6,000*	5,700	5,300	215
	220	20.1	86.0	4,400*	4,300*	4,100*	4,000*	220

MANITOWOC ENGINEERING CO.
Division of the Manitowoc Company, Inc. Manitowoc, Wisconsin 54220

LIFTCRANE BOOM CAPACITIES 4100W SERIES 2

BOOM NO. 22C WITH OPEN THROAT TOP
146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26'6" CRAWLERS EXTENDED
CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

240

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY 0 DEGREE LIST POUNDS	BOOM CAPACITY 1 DEGREE LIST POUNDS	BOOM CAPACITY 2 DEGREE LIST POUNDS	BOOM CAPACITY 3 DEGREE LIST POUNDS	OPER. RAD. FEET
	40	81.4	244.3	123,400M				40
	45	80.2	243.5	112,600M				45
	50	78.9	242.6	98,100	82,600M			50
	55	77.7	241.5	85,600	76,600			55
	60	76.5	240.4	75,600	68,100	60,300*		60
	65	75.3	239.1	67,300	61,100	55,500		65
	70	74.0	237.8	60,400	55,100	50,300	45,700M	70
	75	72.8	236.3	54,500	50,000	45,800	42,100	75
	80	71.5	234.7	49,500	45,600	41,900	38,600	80
	85	70.3	232.9	45,100	41,700	38,400	35,500	85
	90	69.0	231.1	41,200	38,200	35,400	32,700	90
	95	67.7	229.1	37,800	35,200	32,600	30,200	95
	100	66.4	227.0	34,800	32,400	30,100	28,000	100
	105	65.1	224.7	32,100	30,000	27,900	25,900	105
	110	63.8	222.3	29,700	27,700	25,800	24,100	110
	115	62.5	219.8	27,400	25,700	24,000	22,400	115
	120	61.1	217.1	25,400	23,900	22,300	20,800	120
	125	59.7	214.3	23,600	22,200	20,700	19,400	125
	130	58.3	211.3	21,900	20,600	19,300	18,000	130
	135	56.9	208.1	20,300	19,200	17,900	16,800	135
	140	55.5	204.8	18,900	17,800	16,700	15,600	140
	145	54.0	201.2	17,600	16,600	15,500	14,500	145
	150	52.5	197.5	16,300	15,400	14,500	13,500	150
	155	51.0	193.6	15,200	14,400	13,400	12,600	155
	160	49.5	189.4	14,100	13,300	12,500	11,700	160
	165	47.9	185.0	13,100	12,400	11,600	10,900	165
	170	46.2	180.3	12,200	11,500	10,800	10,100	170
	175	44.6	175.4	11,300	10,700	10,000	9,300	175
	180	42.8	170.2	10,400	9,900	9,300	8,600	180
	185	41.0	164.6	9,600	9,100	8,600	8,000	185
	190	39.2	158.7	8,900	8,400	7,900	7,400	190
	195	37.3	152.3	8,200	7,800	7,300	6,800	195
	200	35.2	145.5	7,500M	7,100	6,700	6,200	200
	205	33.1	138.2	6,700M	6,500M	6,100	5,700	205
	210	30.9	130.1	6,000M	5,800M	5,500M	5,200	210
	215	28.5	121.4	5,300M	5,200M	4,900M	4,700	215
	220	25.8	111.6	4,700M	4,500M	4,300M	4,100*	220
	225	23.0	100.6	4,000M				225

MANITOWOC ENGINEERING CO.
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LIFTCRANE BOOM CAPACITIES 4100W SERIES 2

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146,400 LB. CRANE COUNTERWEIGHT
60,000 LB. CARBODY COUNTERWEIGHT
26'6" CRAWLERS EXTENDED
CRAWLER MACHINE ON A BARGE
0 DEGREE THRU 3 DEGREE MACHINE LIST
NO TRAVEL - 360 DEGREE RATING

BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY 0 DEGREE LIST POUNDS	BOOM CAPACITY 1 DEGREE LIST POUNDS	BOOM CAPACITY 2 DEGREE LIST POUNDS	BOOM CAPACITY 3 DEGREE LIST POUNDS	OPER. RAD. FEET
052	45	80.6	253.6	106,600*				45
	50	79.4	252.7	97,800				50
	55	78.2	251.7	85,200	73,800*			55
	60	77.1	250.7	75,200	67,500			60
	65	75.9	249.4	66,900	60,500	53,400*		65
	70	74.7	248.1	60,000	54,500	49,600		70
	75	73.5	246.7	54,100	49,400	45,200	40,100*	75
	80	72.3	245.2	49,100	45,000	41,300	37,900	80
	85	71.1	243.5	44,700	41,200	37,800	34,800	85
	90	69.9	241.7	40,800	37,700	34,800	32,100	90
	95	68.7	239.9	37,400	34,700	32,000	29,600	95
	100	67.4	237.8	34,400	32,000	29,600	27,400	100
	105	66.2	235.7	31,700	29,500	27,300	25,300	105
	110	64.9	233.4	29,300	27,300	25,300	23,500	110
	115	63.6	231.0	27,100	25,300	23,500	21,800	115
	120	62.4	228.5	25,000	23,400	21,800	20,200	120
	125	61.1	225.8	23,200	21,700	20,200	18,800	125
	130	59.7	222.9	21,500	20,200	18,800	17,500	130
	135	58.4	219.9	20,000	18,700	17,400	16,200	135
	140	57.0	216.8	18,500	17,400	16,200	15,100	140
	145	55.7	213.4	17,200	16,200	15,100	14,000	145
	150	54.3	209.9	16,000	15,000	14,000	13,000	150
	155	52.8	206.3	14,800	13,900	13,000	12,100	155
	160	51.4	202.4	13,700	12,900	12,000	11,200	160
	165	49.9	198.3	12,700	12,000	11,200	10,400	165
	170	48.4	193.9	11,800	11,100	10,300	9,600	170
	175	46.8	189.4	10,900	10,300	9,500	8,900	175
	180	45.3	184.6	10,100	9,500	8,800	8,200	180
	185	43.6	179.5	9,300	8,700	8,100	7,500	185
	190	41.9	174.1	8,500	8,000	7,400	6,900	190
	195	40.2	168.3	7,800*	7,400	6,800	6,300	195
	200	38.4	162.2	7,000*	6,700*	6,200	5,700	200
	205	36.5	155.7	6,200*	5,900*	5,600*	5,200	205
	210	34.5	148.7	5,500*	5,200*	4,900*	4,600*	210
	215	32.4	141.1	4,800*	4,600*	4,300*	4,000*	215
	220	30.2	132.9	4,100*	4,000*			220

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MANITOWOC ENGINEERING CO.
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BOOM LGTH. FEET	OPER. RAD. FEET	BOOM ANG. DEG.	BOOM POINT ELEV. FEET	BOOM CAPACITY 0 DEGREE LIST POUNDS
260	45	80.9	263.8	104,800*
	50	79.8	262.9	95,700*
	55	78.7	262.0	84,700
	60	77.6	260.9	74,700
	65	76.4	259.7	66,400
	70	75.3	258.5	59,500
	75	74.2	257.1	53,600
	80	73.0	255.6	48,500
	85	71.8	254.1	44,100
	90	70.7	252.4	40,300
	95	69.5	250.6	36,900
	100	68.3	248.6	33,900
	105	67.1	246.6	31,100
	110	65.9	244.4	28,700
	115	64.7	242.1	26,500
	120	63.5	239.7	24,500
	125	62.3	237.1	22,600
	130	61.0	234.4	20,900
	135	59.7	231.6	19,400
	140	58.5	228.6	17,900
	145	57.2	225.5	16,600
	150	55.8	222.1	15,400
	155	54.5	218.7	14,200
	160	53.1	215.0	13,100
	165	51.7	211.2	12,100
	170	50.3	207.1	11,200
	175	48.9	202.9	10,300
	180	47.4	198.4	9,500
	185	45.9	193.7	8,700
	190	44.3	188.7	7,900*
	195	42.7	183.4	7,000*
	200	41.1	177.8	6,200*
	205	39.4	171.9	5,400*
	210	37.6	165.6	4,700*
	215	35.8	158.9	4,000*