



CROFTON
INDUSTRIES

Manitowoc 4100

MANITOWOC ENGINEERING CO.

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



LIFT CRANE 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
110	22	80.6	115.5	291,600*	240,700*			22
	24	79.5	115.2	282,900*	234,500*			24
	26	78.5	114.8	263,200*	228,500*	204,200*	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	136,600	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
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
115	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
110	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



CROFTON
INDUSTRIES

5971-A, 3-1-95/L
PAGE 3 OF 13

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
1 3 0	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*	170,800*		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	96,800	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	62,000	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
1 4 0	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	26.8	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
	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	148,500	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	25,600	25,200	130
	135	20.7	56.4	25,500	25,000	24,400	23,900	135

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
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	155,300	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
160	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	20,800	145
	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	101,600	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	152.6	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
150	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	24,900	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



CROFTON
INDUSTRIES

6971-A, 3-1-95/L
PAGE 5 OF 13

This information is for reference use only and must not be used for a specific serial numbered crane.
Please contact Essex Crane Rental Corp. for further information.

S/N: 41717

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

4100W SERIES 2

Boom No. 22C With Open Throat Top
Offset 4-1/2 Degrees
146,400 lb Crane Counterweight
60,000 lb Carbody Counterweight
26 ft 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
170.0 ft							
30	82.3	175.2	169,000 *				30
32	81.6	174.9	163,600 *	143,800 *			32
34	81.0	174.5	158,700 *	141,000 *	120,900 *		34
36	80.3	174.2	154,000 *	138,300 *	119,100 *		36
38	79.6	173.8	148,800	132,800	117,300 *	102,500 *	38
40	78.9	173.4	138,400	124,200	112,200	101,100 *	40
45	77.2	172.2	117,400	106,700	97,400	89,400	45
50	75.4	170.9	101,500	93,200	85,800	79,300	50
55	73.7	169.4	89,100	82,400	76,400	71,000	55
60	71.9	167.7	79,000	73,600	68,600	64,000	60
65	70.1	165.9	70,800	66,300	62,000	58,200	65
70	68.3	163.9	63,900	60,100	56,500	53,200	70
75	66.4	161.7	58,100	54,800	51,700	48,800	75
80	64.6	159.3	53,000	50,200	47,500	45,000	80
85	62.7	156.7	48,700	46,200	43,800	41,600	85
90	60.8	153.9	44,900	42,700	40,600	38,600	90
95	58.8	150.8	41,500	39,600	37,700	35,900	95
100	56.8	147.5	38,500	36,800	35,100	33,500	100
105	54.7	144.0	35,800	34,300	32,800	31,300	105
110	52.6	140.2	33,300	32,000	30,600	29,400	110
115	50.4	136.0	31,100	29,900	28,700	27,600	115
120	48.1	131.6	29,100	28,000	27,000	25,900	120
125	45.8	126.7	27,300	26,300	25,300	24,400	125
130	43.3	121.4	25,600	24,700	23,800	23,000	130
135	40.8	115.7	24,100	23,300	22,500	21,700	135
140	38.1	109.3	22,600	21,900	21,200	20,500	140
145	35.2	102.3	21,300	20,700	20,000	19,400	145
150	32.0	94.5	20,100	19,500	18,900	18,300	150
155	28.6	85.5	18,900	18,400	17,900	17,400	155
160	24.7	75.1	17,800	17,400	17,000	16,500	160
165	20.0	62.2	16,400 *	16,200 *	16,100	15,700	165



S/N: 41717

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

4100W SERIES 2

Boom No. 22C With Open Throat Top
Offset 4-1/2 Degrees
146,400 lb Crane Counterweight
60,000 lb Carbody Counterweight
26 ft 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
180.0 ft							
32	82.1	185.0	158,700 *				32
34	81.5	184.7	154,000 *	134,100 *			34
36	80.8	184.3	149,500 *	131,600 *	113,200 *		36
38	80.2	184.0	145,200 *	129,200 *	111,500 *		38
40	79.5	183.6	137,900	123,000	109,900 *	96,400 *	40
45	77.9	182.5	116,900	105,700	96,000	87,600	45
50	76.3	181.2	101,000	92,200	84,500	77,700	50
55	74.6	179.8	88,500	81,500	75,200	69,600	55
60	72.9	178.3	78,500	72,700	67,500	62,800	60
65	71.3	176.6	70,300	65,500	61,000	57,000	65
70	69.6	174.7	63,400	59,300	55,500	52,100	70
75	67.8	172.6	57,500	54,000	50,800	47,700	75
80	66.1	170.4	52,500	49,500	46,600	44,000	80
85	64.3	168.0	48,100	45,500	43,000	40,700	85
90	62.5	165.4	44,300	42,000	39,800	37,700	90
95	60.7	162.5	40,900	38,900	36,900	35,000	95
100	58.9	159.5	37,900	36,100	34,300	32,600	100
105	57.0	156.2	35,200	33,600	32,000	30,500	105
110	55.0	152.7	32,700	31,300	29,900	28,500	110
115	53.0	148.9	30,500	29,200	28,000	26,700	115
120	51.0	144.9	28,500	27,400	26,200	25,100	120
125	48.9	140.5	26,700	25,700	24,600	23,600	125
130	46.7	135.8	25,000	24,100	23,100	22,200	130
135	44.4	130.7	23,500	22,600	21,700	20,900	135
140	42.0	125.2	22,000	21,300	20,500	19,700	140
145	39.6	119.2	20,700	20,000	19,300	18,600	145
150	36.9	112.6	19,500	18,800	18,200	17,500	150
155	34.1	105.3	18,300	17,800	17,200	16,600	155
160	31.1	97.2	17,200	16,800	16,200	15,700	160
165	27.7	87.9	16,200	15,800	15,300	14,900	165
170	23.9	77.1	15,300	14,900	14,500	14,100	170
175	19.4	63.8	13,500 *	13,400 *	13,200 *	13,000 *	175

S/N: 41717

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

4100W SERIES 2

Boom No. 22C With Open Throat Top
Offset 4-1/2 Degrees
146,400 lb Crane Counterweight
60,000 lb Carbody Counterweight
26 ft 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
190.0 ft							
32	82.5	195.1	153,100 *				32
34	81.9	194.8	148,800 *	126,400 *			34
36	81.3	194.5	144,800 *	124,400 *			36
38	80.7	194.1	140,800 *	122,400 *	103,200 *		38
40	80.1	193.8	137,000 *	120,400 *	101,900 *		40
45	78.5	192.7	116,400	104,600	94,600	85,600 *	45
50	77.0	191.6	100,500	91,300	83,300	76,200	50
55	75.4	190.2	88,000	80,700	74,100	68,300	55
60	73.9	188.8	78,000	71,900	66,500	61,600	60
65	72.3	187.1	69,700	64,700	60,100	55,900	65
70	70.7	185.4	62,800	58,600	54,600	51,000	70
75	69.1	183.4	57,000	53,300	49,900	46,800	75
80	67.4	181.4	52,000	48,800	45,800	43,100	80
85	65.8	179.1	47,600	44,800	42,200	39,800	85
90	64.1	176.6	43,800	41,300	39,000	36,800	90
95	62.4	174.0	40,400	38,200	36,200	34,200	95
100	60.7	171.2	37,400	35,500	33,600	31,800	100
105	58.9	168.2	34,700	33,000	31,300	29,700	105
110	57.1	164.9	32,200	30,700	29,200	27,800	110
115	55.3	161.4	30,000	28,600	27,300	26,000	115
120	53.4	157.7	28,000	26,800	25,500	24,300	120
125	51.5	153.7	26,200	25,100	23,900	22,800	125
130	49.5	149.5	24,500	23,500	22,400	21,500	130
135	47.5	144.9	22,900	22,000	21,100	20,200	135
140	45.3	140.0	21,500	20,700	19,800	19,000	140
145	43.1	134.6	20,200	19,400	18,600	17,900	145
150	40.8	128.9	18,900	18,300	17,500	16,800	150
155	38.4	122.6	17,800	17,200	16,500	15,900	155
160	35.9	115.8	16,700	16,200	15,600	15,000	160
165	33.2	108.3	15,700	15,200	14,700	14,100	165
170	30.2	99.8	14,800	14,300	13,800	13,400	170
175	27.0	90.3	13,900	13,500	13,100	12,600	175
180	23.3	79.1	13,100	12,700	12,300	11,900	180
185	18.9	65.4	11,000 *	10,800 *	10,700 *	10,500 *	185



S/N: 41717

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

4100W SERIES 2

Boom No. 22C With Open Throat Top
Offset 4-1/2 Degrees
146,400 lb Crane Counterweight
60,000 lb Carbody Counterweight
26 ft 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
200.0 ft							
34	82.3	204.9	143,100 *				34
36	81.7	204.6	139,500 *	118,100 *			36
38	81.2	204.3	136,000 *	116,200 *			38
40	80.6	203.9	132,500 *	114,400 *	96,900 *		40
45	79.1	202.9	115,900	103,600	93,100	79,300 *	45
50	77.7	201.8	100,000	90,300	82,000	74,700	50
55	76.2	200.6	87,500	79,800	72,900	66,900	55
60	74.7	199.2	77,400	71,100	65,400	60,300	60
65	73.2	197.7	69,200	63,900	59,100	54,800	65
70	71.7	196.0	62,300	57,800	53,700	49,900	70
75	70.2	194.2	56,400	52,600	49,000	45,800	75
80	68.6	192.2	51,400	48,100	44,900	42,100	80
85	67.1	190.1	47,000	44,100	41,400	38,800	85
90	65.5	187.8	43,200	40,600	38,200	35,900	90
95	63.9	185.3	39,800	37,500	35,400	33,300	95
100	62.3	182.7	36,800	34,800	32,800	31,000	100
105	60.6	179.9	34,100	32,300	30,500	28,900	105
110	59.0	176.8	31,600	30,000	28,400	26,900	110
115	57.3	173.6	29,400	28,000	26,500	25,200	115
120	55.5	170.2	27,400	26,100	24,800	23,500	120
125	53.8	166.5	25,600	24,400	23,200	22,000	125
130	51.9	162.6	23,900	22,800	21,700	20,700	130
135	50.1	158.4	22,300	21,400	20,400	19,400	135
140	48.1	153.9	20,900	20,000	19,100	18,200	140
145	46.2	149.1	19,600	18,800	17,900	17,100	145
150	44.1	144.0	18,300	17,600	16,800	16,100	150
155	42.0	138.4	17,200	16,500	15,800	15,100	155
160	39.7	132.5	16,100	15,500	14,900	14,200	160
165	37.4	126.0	15,100	14,600	14,000	13,400	165
170	34.9	118.9	14,200	13,700	13,100	12,600	170
175	32.3	111.1	13,300	12,800	12,300	11,800	175
180	29.4	102.4	12,400	12,100	11,600	11,100	180
185	26.2	92.5	11,700	11,300	10,900	10,500	185
190	22.6	81.0	10,900	10,600	10,200	9,900	190
195	18.4	67.0	8,500 *	8,400 *	8,200 *	8,100 *	195

S/N: 41717

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

4100W SERIES 2

Boom No. 22C With Open Throat Top
Offset 4-1/2 Degrees
146,400 lb Crane Counterweight
60,000 lb Carbody Counterweight
26 ft 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
210.0 ft							
36	82.1	214.7	134,200 *				36
38	81.6	214.4	131,000 *	110,400 *			38
40	81.0	214.1	127,900 *	108,700 *			40
45	79.6	213.2	115,500	102,700	88,100 *		45
50	78.3	212.1	99,600	89,600	80,900	69,900 *	50
55	76.9	210.9	87,100	79,100	72,000	65,800	55
60	75.4	209.6	77,100	70,500	64,600	59,300	60
65	74.0	208.1	68,800	63,300	58,300	53,800	65
70	72.6	206.6	61,900	57,300	53,000	49,100	70
75	71.2	204.8	56,100	52,100	48,400	45,000	75
80	69.7	203.0	51,000	47,600	44,300	41,300	80
85	68.2	201.0	46,700	43,600	40,800	38,100	85
90	66.7	198.8	42,800	40,200	37,600	35,300	90
95	65.2	196.5	39,400	37,100	34,800	32,700	95
100	63.7	194.0	36,400	34,300	32,300	30,400	100
105	62.2	191.3	33,700	31,800	30,000	28,300	105
110	60.6	188.5	31,300	29,600	27,900	26,400	110
115	59.0	185.5	29,100	27,600	26,000	24,600	115
120	57.4	182.3	27,100	25,700	24,300	23,000	120
125	55.7	178.9	25,200	24,000	22,700	21,500	125
130	54.1	175.2	23,500	22,400	21,300	20,200	130
135	52.3	171.4	22,000	21,000	19,900	18,900	135
140	50.6	167.3	20,600	19,600	18,600	17,700	140
145	48.8	162.9	19,200	18,400	17,500	16,600	145
150	46.9	158.2	18,000	17,200	16,400	15,600	150
155	45.0	153.2	16,800	16,100	15,400	14,600	155
160	43.0	147.9	15,800	15,100	14,400	13,700	160
165	40.9	142.1	14,800	14,200	13,500	12,900	165
170	38.7	135.9	13,800	13,300	12,700	12,100	170
175	36.5	129.2	12,900	12,400	11,900	11,400	175
180	34.0	121.9	12,100	11,700	11,200	10,700	180
185	31.5	113.9	11,300	10,900	10,500	10,000	185
190	28.7	104.9	10,600	10,200	9,800	9,400	190
195	25.6	94.8	9,900	9,600	9,200	8,800	195
200	22.1	82.9	8,800 *	8,600 *	8,500 *	8,300	200
205	17.9	68.5	6,500 *	6,500 *	6,300 *	6,200 *	205



S/N: 41717

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

4100W SERIES 2

Boom No. 22C With Open Throat Top
Offset 4-1/2 Degrees
146,400 lb Crane Counterweight
60,000 lb Carbody Counterweight
26 ft 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
220.0 ft							
38	82.0	224.6	125,700 *				38
40	81.4	224.2	122,800 *	102,800 *			40
45	80.1	223.3	115,000	99,000 *			45
50	78.8	222.3	99,100	88,600	77,800 *		50
55	77.5	221.2	86,600	78,200	70,900	61,400 *	55
60	76.1	219.9	76,600	69,700	63,500	58,100	60
65	74.8	218.6	68,300	62,500	57,400	52,700	65
70	73.4	217.1	61,400	56,500	52,100	48,100	70
75	72.0	215.4	55,500	51,400	47,500	44,000	75
80	70.7	213.7	50,500	46,900	43,500	40,400	80
85	69.3	211.8	46,100	43,000	40,000	37,200	85
90	67.9	209.7	42,300	39,500	36,800	34,400	90
95	66.4	207.5	38,900	36,400	34,000	31,800	95
100	65.0	205.2	35,800	33,700	31,500	29,500	100
105	63.6	202.7	33,100	31,200	29,300	27,500	105
110	62.1	200.0	30,700	28,900	27,200	25,600	110
115	60.6	197.2	28,500	26,900	25,300	23,800	115
120	59.1	194.2	26,500	25,000	23,600	22,200	120
125	57.5	191.0	24,600	23,300	22,000	20,800	125
130	55.9	187.6	23,000	21,800	20,600	19,400	130
135	54.3	184.0	21,400	20,300	19,200	18,100	135
140	52.7	180.2	20,000	19,000	18,000	17,000	140
145	51.0	176.1	18,600	17,700	16,800	15,900	145
150	49.3	171.8	17,400	16,600	15,700	14,900	150
155	47.6	167.3	16,300	15,500	14,700	13,900	155
160	45.7	162.4	15,200	14,500	13,700	13,000	160
165	43.9	157.2	14,200	13,500	12,800	12,200	165
170	41.9	151.7	13,200	12,700	12,000	11,400	170
175	39.9	145.7	12,300	11,800	11,200	10,600	175
180	37.8	139.3	11,500	11,000	10,500	9,900	180
185	35.6	132.4	10,700	10,300	9,800	9,300	185
190	33.2	124.8	10,000	9,600	9,100	8,700	190
195	30.7	116.6	9,300	8,900	8,500	8,100	195
200	28.0	107.3	8,600	8,300	7,900	7,500	200
205	25.0	96.9	8,000	7,700	7,300	7,000	205
210	21.5	84.8	6,500 *	6,300 *	6,200 *	6,000 *	210
215	17.5	69.9	4,400 *	4,300 *	4,200 *	4,100 *	215

S/N: 41717

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

4100W SERIES 2

Boom No. 22C With Open Throat Top
Offset 4-1/2 Degrees
146,400 lb Crane Counterweight
60,000 lb Carbody Counterweight
26 ft 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
230.0 ft							
38	82.3	234.7	119,600 *				38
40	81.8	234.4	117,100 *				40
45	80.6	233.5	111,200 *	92,500 *			45
50	79.3	232.6	98,600	87,700			50
55	78.0	231.5	86,100	77,400	68,800 *		55
60	76.7	230.3	76,100	68,900	62,500	53,900 *	60
65	75.4	229.0	67,800	61,800	56,400	51,700	65
70	74.2	227.5	60,900	55,800	51,200	47,100	70
75	72.9	226.0	55,000	50,700	46,700	43,000	75
80	71.5	224.3	50,000	46,200	42,700	39,500	80
85	70.2	222.5	45,600	42,300	39,200	36,400	85
90	68.9	220.5	41,700	38,900	36,100	33,600	90
95	67.5	218.4	38,400	35,800	33,300	31,000	95
100	66.2	216.2	35,300	33,000	30,800	28,800	100
105	64.8	213.9	32,600	30,600	28,600	26,700	105
110	63.4	211.3	30,200	28,300	26,500	24,800	110
115	62.0	208.7	28,000	26,300	24,700	23,100	115
120	60.6	205.8	26,000	24,500	22,900	21,500	120
125	59.1	202.8	24,100	22,800	21,400	20,100	125
130	57.6	199.6	22,400	21,200	19,900	18,700	130
135	56.1	196.3	20,900	19,700	18,600	17,500	135
140	54.6	192.7	19,400	18,400	17,300	16,300	140
145	53.0	188.9	18,100	17,200	16,200	15,200	145
150	51.5	185.0	16,900	16,000	15,100	14,200	150
155	49.8	180.7	15,700	14,900	14,100	13,200	155
160	48.2	176.3	14,700	13,900	13,100	12,400	160
165	46.4	171.5	13,600	13,000	12,200	11,500	165
170	44.7	166.5	12,700	12,100	11,400	10,700	170
175	42.8	161.1	11,800	11,300	10,600	10,000	175
180	40.9	155.4	11,000	10,500	9,900	9,300	180
185	39.0	149.2	10,200	9,700	9,200	8,600	185
190	36.9	142.6	9,400	9,000	8,500	8,000	190
195	34.7	135.5	8,700	8,400	7,900	7,400	195
200	32.4	127.7	8,100	7,700	7,300	6,900	200
205	30.0	119.2	7,400	7,100	6,700	6,300	205
210	27.3	109.7	6,800 *	6,600	6,200	5,800	210
215	24.4	99.0	6,100 *	6,000 *	5,700	5,300	215
220	21.0	86.6	4,400 *	4,300 *	4,100 *	4,000 *	220



S/N: 41717

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

4100W SERIES 2

Boom No. 22C With Open Throat Top
Offset 4-1/2 Degrees
146,400 lb Crane Counterweight
60,000 lb Carbody Counterweight
26 ft 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
240.0 ft							
40	82.2	244.5	111,700 *				40
45	81.0	243.7	106,300 *				45
50	79.7	242.7	98,100	82,500 *			50
55	78.5	241.7	85,600	76,600			55
60	77.3	240.6	75,600	68,100	61,000 *		60
65	76.1	239.3	67,300	61,100	55,500		65
70	74.8	237.9	60,400	55,100	50,300	46,100	70
75	73.6	236.5	54,500	50,000	45,800	42,100	75
80	72.3	234.9	49,500	45,600	41,900	38,600	80
85	71.1	233.1	45,100	41,700	38,400	35,500	85
90	69.8	231.3	41,200	38,200	35,400	32,700	90
95	68.5	229.3	37,800	35,200	32,600	30,200	95
100	67.2	227.2	34,800	32,400	30,100	28,000	100
105	65.9	224.9	32,100	30,000	27,900	25,900	105
110	64.6	222.5	29,700	27,700	25,800	24,100	110
115	63.3	220.0	27,400	25,700	24,000	22,400	115
120	61.9	217.3	25,400	23,900	22,300	20,800	120
125	60.5	214.5	23,600	22,200	20,700	19,400	125
130	59.1	211.5	21,900	20,600	19,300	18,000	130
135	57.7	208.3	20,300	19,200	17,900	16,800	135
140	56.3	205.0	18,900	17,800	16,700	15,600	140
145	54.8	201.4	17,600	16,600	15,500	14,500	145
150	53.3	197.7	16,300	15,400	14,500	13,500	150
155	51.8	193.8	15,200	14,400	13,400	12,600	155
160	50.3	189.6	14,100	13,300	12,500	11,700	160
165	48.7	185.2	13,100	12,400	11,600	10,900	165
170	47.1	180.6	12,200	11,500	10,800	10,100	170
175	45.4	175.7	11,300	10,700	10,000	9,300	175
180	43.7	170.4	10,400	9,900	9,300	8,600	180
185	41.9	164.9	9,600	9,100	8,600	8,000	185
190	40.0	159.0	8,900	8,400	7,900	7,400	190
195	38.1	152.6	8,200	7,800	7,300	6,800	195
200	36.1	145.8	7,500 *	7,100	6,700	6,200	200
205	34.0	138.5	6,700 *	6,500 *	6,100	5,700	205
210	31.7	130.5	6,000 *	5,800 *	5,500 *	5,200	210
215	29.3	121.8	5,300 *	5,200 *	4,900 *	4,700	215
220	26.7	112.1	4,700 *	4,500 *	4,300 *	4,100 *	220
225	23.8	101.1	4,000 *				225

S/N: 41717

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

4100W SERIES 2

Boom No. 22C With Open Throat Top
Offset 4-1/2 Degrees
146,400 lb Crane Counterweight
60,000 lb Carbody Counterweight
26 ft 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds	1 Degree List Boom Capacity Pounds	2 Degree List Boom Capacity Pounds	3 Degree List Boom Capacity Pounds	Oper. Radius Feet
250.0 ft							
45	81.3	253.8	101,500 *				45
50	80.2	252.9	96,900 *				50
55	79.0	251.9	85,200	73,600 *			55
60	77.8	250.8	75,200	67,500			60
65	76.6	249.6	66,900	60,500	54,100 *		65
70	75.5	248.3	60,000	54,500	49,600		70
75	74.3	246.9	54,100	49,400	45,200	41,300	75
80	73.1	245.4	49,100	45,000	41,300	37,900	80
85	71.9	243.7	44,700	41,200	37,800	34,800	85
90	70.6	241.9	40,800	37,700	34,800	32,100	90
95	69.4	240.1	37,400	34,700	32,000	29,600	95
100	68.2	238.0	34,400	32,000	29,600	27,400	100
105	66.9	235.9	31,700	29,500	27,300	25,300	105
110	65.7	233.6	29,300	27,300	25,300	23,500	110
115	64.4	231.2	27,100	25,300	23,500	21,800	115
120	63.1	228.7	25,000	23,400	21,800	20,200	120
125	61.8	226.0	23,200	21,700	20,200	18,800	125
130	60.5	223.1	21,500	20,200	18,800	17,500	130
135	59.2	220.1	20,000	18,700	17,400	16,200	135
140	57.8	217.0	18,500	17,400	16,200	15,100	140
145	56.4	213.7	17,200	16,200	15,100	14,000	145
150	55.1	210.2	16,000	15,000	14,000	13,000	150
155	53.6	206.5	14,800	13,900	13,000	12,100	155
160	52.2	202.6	13,700	12,900	12,000	11,200	160
165	50.7	198.5	12,700	12,000	11,200	10,400	165
170	49.2	194.2	11,800	11,100	10,300	9,600	170
175	47.6	189.6	10,900	10,300	9,500	8,900	175
180	46.0	184.8	10,100	9,500	8,800	8,200	180
185	44.4	179.7	9,300	8,700	8,100	7,500	185
190	42.7	174.3	8,500	8,000	7,400	6,900	190
195	41.0	168.6	7,800 *	7,400	6,800	6,300	195
200	39.2	162.5	7,000 *	6,700 *	6,200	5,700	200
205	37.3	156.0	6,200 *	5,900 *	5,600 *	5,200	205
210	35.3	149.0	5,500 *	5,200 *	4,900 *	4,600 *	210
215	33.3	141.4	4,800 *	4,600 *	4,300 *	4,000 *	215
220	31.1	133.2	4,100 *	4,000 *			220



S/N: 41717

Manitowoc Cranes, Inc.
Manitowoc, Wisconsin 54220 U.S.A.



Liftcrane Boom Capacities

4100W SERIES 2

Boom No. 22C With Open Throat Top
Offset 4-1/2 Degrees
146,400 lb Crane Counterweight
60,000 lb Carbody Counterweight
26 ft 6 in. Crawlers Extended
Crawler Machine on a Barge
0 Degree thru 3 Degree Machine List
No Travel - 360 Degree Rating

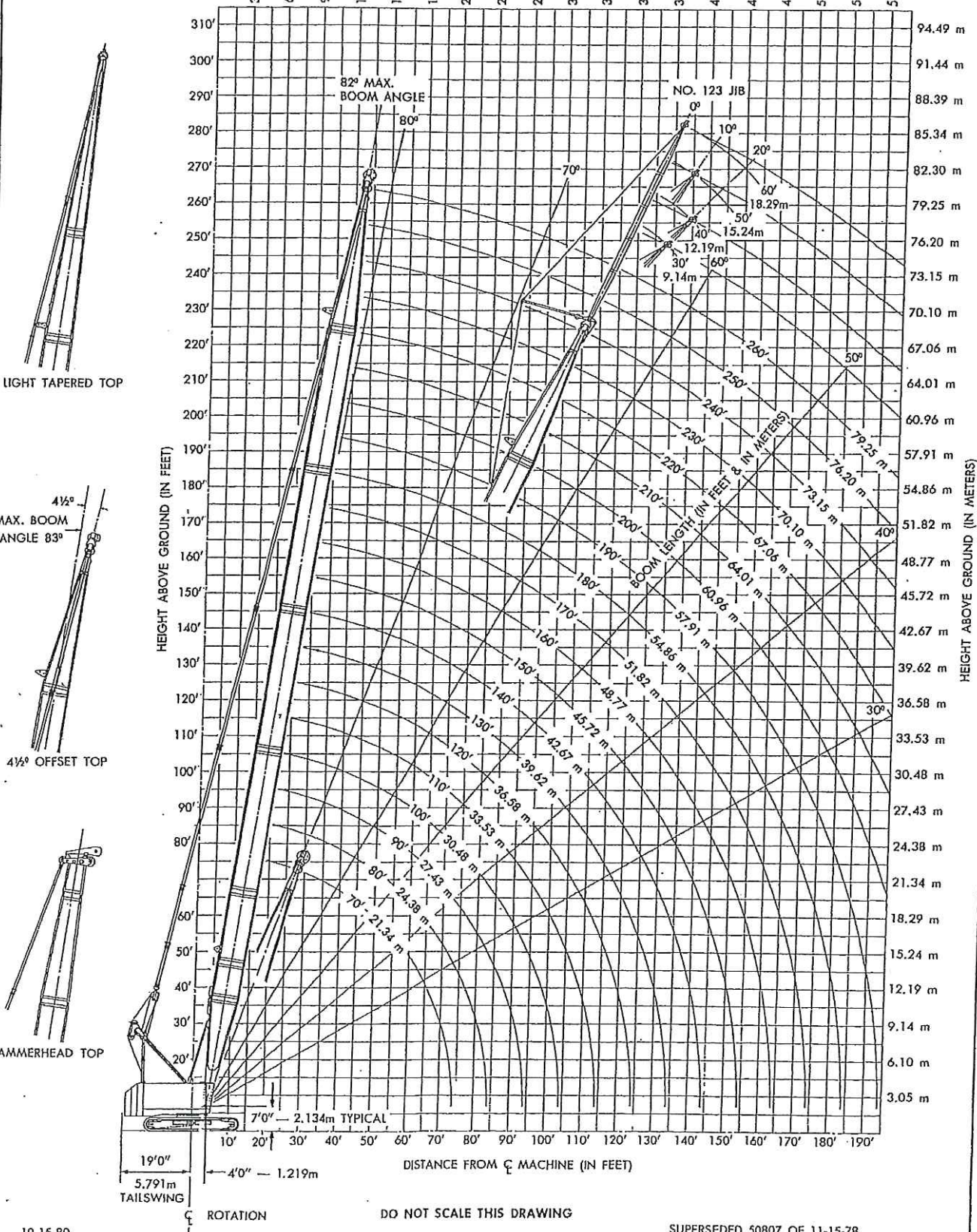
Oper. Radius Feet	Boom Angle Deg.	Boom Point Elev. Feet	0 Degree List Boom Capacity Pounds
260.0 ft			
45	81.7	263.9	96,500 *
50	80.5	263.1	92,300 *
55	79.4	262.1	84,700
60	78.3	261.1	74,700
65	77.2	259.9	66,400
70	76.0	258.7	59,500
75	74.9	257.3	53,600
80	73.7	255.8	48,500
85	72.6	254.3	44,100
90	71.4	252.6	40,300
95	70.3	250.8	36,900
100	69.1	248.8	33,900
105	67.9	246.8	31,100
110	66.7	244.6	28,700
115	65.5	242.3	26,500
120	64.2	239.9	24,500
125	63.0	237.3	22,600
130	61.8	234.6	20,900
135	60.5	231.8	19,400
140	59.2	228.8	17,900
145	57.9	225.7	16,600
150	56.6	222.4	15,400
155	55.2	218.9	14,200
160	53.9	215.2	13,100
165	52.5	211.4	12,100
170	51.1	207.4	11,200
175	49.6	203.1	10,300
180	48.2	198.6	9,500
185	46.6	193.9	8,700
190	45.1	188.9	7,900 *
195	43.5	183.7	7,000 *
200	41.8	178.1	6,200 *
205	40.1	172.2	5,400 *
210	38.4	165.9	4,700 *
215	36.5	159.2	4,000 *

MANITOWOC ENGINEERING CO.

A Division of the Manitowoc Company, Inc.

Manitowoc, Wisconsin

DISTANCE FROM ϕ MACHINE
(IN METERS)



RANGE DIAGRAM — 4100W — 4100W S1 & S2 — NO. 22A OR 22C — BOOM NO. 123 JIB