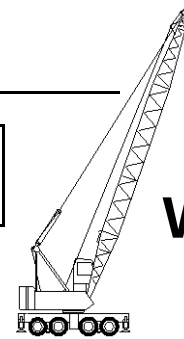




Liftcrane Boom Capacities

Boom No. 222 With Open Throat Top
53,300 Lb. and 63,300 Lb. Counterweight
Pick and Carry Rating Over End On Rubber

Meets
ANSI B30.5
Requirements



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LIFTING CAPACITIES: 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 20,000 Lbs. 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.

OPERATING CONDITIONS: Machine to operate in a level position on a firm uniformly supporting surface with gantry up. Refer to boom rigging **No. A07956**, Wire Rope Specification chart **No. 9191-A** and Operating Range Diagram chart **No. 9192-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, ground conditions, condition and inflation of tires (140 PSI minimum), as well as adverse operating conditions and physical machine depreciation.

Loads lifted may increase radius due to tire deflection. This increase must be compensated for by raising boom. Refer to operators manual for operating guidelines.

MACHINE TRAVEL: Machine to travel (1/4 MPH) 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. 9195-A**, Maximum Allowable Traveling Weight chart **No. 9193-A** and Weight Distribution chart **No. 9194-A**.

OPERATING RADIUS: 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: Boom point elevation is vertical distance from ground level to centerline of boom point shaft.

MACHINE EQUIPMENT: Machine equipped with Manitowoc 8 x 4 wagon, 156 in. wheel base, 12 Ft. 0-3/4 in. front and rear axle track, 14.00 x 24 tires, 30-5/8 in. front and rear outrigger extensions, 15 Ft. 6 in. retractable gantry, 10 part boom hoist reeving, two 1-1/4 in. boom pendants and counterweight as specified.

Deduct From Capacities When Jib Is Attached

Jib Length	Jib No. 10
30 Ft.	1,700 Lbs.
40 Ft.	2,100 Lbs.
50 Ft.	2,600 Lbs.
60 Ft.	3,100 Lbs.

Maximum Boom and Jib Lengths Lifted Unassisted

Over End or Side of Fully Extended Outriggers		Over End On Rubber			
53,300 Lb. or 63,000 Lb. Counterweight		63,000 Lb. Counterweight		53,000 Lb. Counterweight	
Boom Length	Jib No. 10	Boom Length	Jib No. 10	Boom Length	Jib No. 10
200 Ft.	—	180 Ft.	—	180 Ft.	—
190 Ft.	60 Ft.	180 Ft.	60 Ft.	180 Ft.	40 Ft.
				170 Ft.	60 Ft.

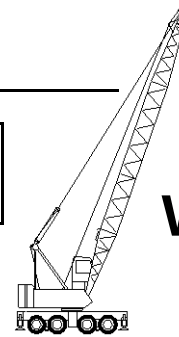
Load block, hook and weight ball on ground at start.



Liftcrane Boom Capacities

Boom No. 222 With Open Throat Top
53,300 Lb. and 63,300 Lb. Counterweight
Pick and Carry Rating Over End On Rubber

**Meets
ANSI B30.5
Requirements**



**222
WAGON**

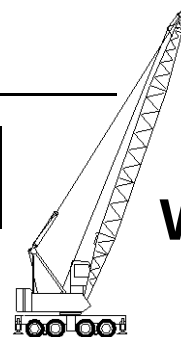
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	63,300 Lb. Counterweight	53,300 Lb. Counterweight
			Boom Capacity End Pounds	Boom Capacity End Pounds
40 Ft. Boom				
12	77.8	46.8		101,400 *
13	76.3	46.6		96,000 *
14	74.8	46.3		91,200 *
15	73.3	46.0		86,900 *
16	71.8	45.7		83,000 *
17	70.3	45.4	83,300 *	79,500 *
18	68.8	45.0	79,900 *	76,200 *
19	67.2	44.6	76,700 *	73,300 *
20	65.6	44.1	73,800 *	70,500 *
22	62.4	43.1	68,600 *	65,600 *
24	59.1	42.0	64,100 *	61,300 *
26	55.7	40.7	60,200 *	57,600 *
28	52.1	39.2	56,700 *	54,200 *
30	48.4	37.5	53,500 *	51,300 *
32	44.4	35.6	50,700 *	48,600 *
34	40.1	33.3	48,200 *	45,600
36	35.4	30.7	45,900 *	42,400
38	30.0	27.5	43,800 *	39,600
40	23.5	23.4	39,200 *	37,100
50 Ft. Boom				
12	80.2	57.0		100,600 *
13	79.1	56.8		95,200 *
14	77.9	56.6		90,500 *
15	76.7	56.4		86,200 *
16	75.5	56.2		82,300 *
17	74.4	55.9	82,600 *	78,800 *
18	73.2	55.6	79,200 *	75,600 *
19	72.0	55.3	76,100 *	72,600 *
20	70.7	54.9	73,200 *	69,900 *
22	68.3	54.2	68,000 *	65,000 *
24	65.8	53.3	63,500 *	60,800 *
26	63.2	52.3	59,600 *	57,000 *
28	60.6	51.2	56,100 *	53,700 *
30	58.0	50.0	53,000 *	50,800 *
32	55.2	48.7	50,200 *	48,100 *
34	52.3	47.2	47,700 *	45,300
36	49.4	45.5	45,400 *	42,100
38	46.3	43.7	43,300 *	39,200
40	43.0	41.6	41,200	36,800
45	33.6	35.2	35,500	31,700
50	20.9	25.3	30,400 *	27,700

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	63,300 Lb. Counterweight	53,300 Lb. Counterweight
			Boom Capacity End Pounds	Boom Capacity End Pounds
60 Ft. Boom				
12	81.9	67.2	104,900 *	99,700 *
13	80.9	67.0	99,300 *	94,400 *
14	79.9	66.8	94,200 *	89,700 *
15	79.0	66.7	89,700 *	85,400 *
16	78.0	66.4	85,600 *	81,600 *
17	77.0	66.2	81,900 *	78,100 *
18	76.0	66.0	78,500 *	74,900 *
19	75.0	65.7	75,400 *	71,900 *
20	74.1	65.4	72,500 *	69,200 *
22	72.1	64.8	67,400 *	64,400 *
24	70.0	64.1	62,900 *	60,200 *
26	68.0	63.3	59,000 *	56,400 *
28	65.9	62.5	55,600 *	53,200 *
30	63.8	61.5	52,500 *	50,200 *
32	61.6	60.5	49,700 *	47,600 *
34	59.4	59.3	47,200 *	44,900
36	57.2	58.0	44,900 *	41,700
38	54.9	56.7	42,800 *	38,900
40	52.5	55.2	40,900	36,400
45	46.1	50.8	35,200	31,400
50	39.0	45.3	30,900	27,400
55	30.6	38.0	27,400	24,300
60	19.0	27.1	24,300 *	21,800
70 Ft. Boom				
14	81.4	77.0	93,600 *	89,000 *
15	80.6	76.8	89,100 *	84,800 *
16	79.7	76.6	85,000 *	81,000 *
17	78.9	76.4	81,300 *	77,500 *
18	78.1	76.2	78,000 *	74,300 *
19	77.2	76.0	74,900 *	71,400 *
20	76.4	75.8	72,000 *	68,700 *
22	74.7	75.2	66,900 *	63,900 *
24	73.0	74.7	62,500 *	59,700 *
26	71.3	74.0	58,600 *	56,000 *
28	69.5	73.3	55,100 *	52,700 *
30	67.8	72.5	52,100 *	49,800 *
32	66.0	71.6	49,300 *	47,200 *
34	64.2	70.7	46,800 *	44,700
36	62.3	69.7	44,500 *	41,500
38	60.5	68.6	42,500 *	38,700
40	58.6	67.4	40,500 *	36,200
45	53.6	64.0	35,000	31,200
50	48.3	59.8	30,700	27,300
55	42.5	54.9	27,200	24,100
60	36.0	48.7	24,400	21,600
65	28.3	40.6	22,000	19,500
70	17.6	28.6	20,000 *	17,700

Liftcrane Boom Capacities

Boom No. 222 With Open Throat Top
53,300 Lb. and 63,300 Lb. Counterweight
Pick and Carry Rating Over End On Rubber

Meets
ANSI B30.5
Requirements



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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	63,300 Lb. Counterweight	53,300 Lb. Counterweight
			Boom Capacity End Pounds	Boom Capacity End Pounds
80 Ft. Boom				
15	81.8	86.9	88,300 *	84,000 *
16	81.0	86.8	84,300 *	80,200 *
17	80.3	86.6	80,600 *	76,800 *
18	79.6	86.4	77,300 *	73,600 *
19	78.8	86.2	74,200 *	70,700 *
20	78.1	86.0	71,300 *	68,100 *
22	76.6	85.6	66,300 *	63,300 *
24	75.2	85.1	61,900 *	59,100 *
26	73.7	84.5	58,000 *	55,400 *
28	72.2	83.9	54,600 *	52,200 *
30	70.7	83.2	51,500 *	49,300 *
32	69.1	82.4	48,800 *	46,600 *
34	67.6	81.7	46,300 *	44,300 *
36	66.0	80.8	44,000 *	41,100
38	64.4	79.8	41,900 *	38,400
40	62.8	78.8	40,000 *	35,900
45	58.7	76.0	34,700	30,900
50	54.4	72.7	30,400	27,000
55	49.9	68.8	26,900	23,800
60	45.0	64.1	24,100	21,300
65	39.6	58.6	21,700	19,200
70	33.6	51.8	19,700	17,400
75	26.4	43.0	18,100	15,900
80	16.4	30.1	16,500 *	14,600

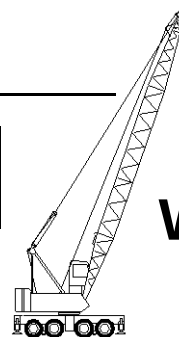
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	63,300 Lb. Counterweight	53,300 Lb. Counterweight
			Boom Capacity End Pounds	Boom Capacity End Pounds
90 Ft. Boom				
17	81.4	96.8	80,000 *	76,200 *
18	80.7	96.6	76,700 *	73,100 *
19	80.1	96.4	73,600 *	70,200 *
20	79.5	96.2	70,800 *	67,500 *
22	78.2	95.8	65,800 *	62,800 *
24	76.8	95.4	61,400 *	58,600 *
26	75.5	94.9	57,500 *	55,000 *
28	74.2	94.3	54,100 *	51,700 *
30	72.9	93.7	51,100 *	48,800 *
32	71.5	93.1	48,300 *	46,200 *
34	70.2	92.4	45,900 *	43,900 *
36	68.8	91.6	43,600 *	40,800
38	67.5	90.8	41,600 *	38,100
40	66.1	89.9	39,700 *	35,600
45	62.5	87.5	34,400	30,600
50	58.9	84.7	30,100	26,700
55	55.1	81.4	26,700	23,600
60	51.1	77.6	23,900	21,100
65	46.8	73.2	21,500	19,000
70	42.3	68.1	19,500	17,200
75	37.3	62.0	17,900	15,700
80	31.6	54.7	16,400	14,400
85	24.8	45.3	15,100	13,200
90	15.5	31.5	13,800 *	12,200



Liftcrane Boom Capacities

Boom No. 222 With Open Throat Top
53,300 Lb. and 63,300 Lb. Counterweight
Pick and Carry Rating Over End On Rubber

Meets
 ANSI B30.5
 Requirements



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WAGON

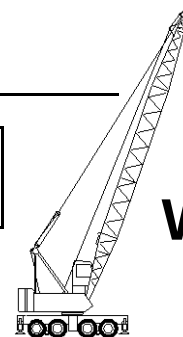
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	63,300 Lb. Counterweight	53,300 Lb. Counterweight
			Boom Capacity End Pounds	Boom Capacity End Pounds
100 Ft. Boom				
18	81.7	106.7	76,100 *	72,500 *
19	81.1	106.6	73,100 *	69,700 *
20	80.5	106.4	70,300 *	67,000 *
22	79.4	106.0	65,300 *	62,300 *
24	78.2	105.6	60,900 *	58,100 *
26	77.0	105.2	57,100 *	54,500 *
28	75.8	104.7	53,700 *	51,300 *
30	74.6	104.2	50,700 *	48,400 *
32	73.5	103.6	47,900 *	45,800 *
34	72.3	103.0	45,500 *	43,500 *
36	71.0	102.3	43,200 *	40,600
38	69.8	101.6	41,200 *	37,800
40	68.6	100.8	39,300 *	35,400
45	65.5	98.7	34,200	30,400
50	62.3	96.2	29,900	26,500
55	59.0	93.3	26,500	23,400
60	55.6	90.1	23,700	20,900
65	52.0	86.4	21,300	18,800
70	48.3	82.2	19,400	17,000
75	44.3	77.4	17,700	15,500
80	40.0	71.8	16,200	14,200
85	35.3	65.3	14,900	13,000
90	29.9	57.4	13,800	12,000
95	23.5	47.4	12,800	11,100
100	14.7	32.8	11,700 *	10,300

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	63,300 Lb. Counterweight	53,300 Lb. Counterweight
			Boom Capacity End Pounds	Boom Capacity End Pounds
110 Ft. Boom				
19	81.9	116.7	72,500 *	69,100 *
20	81.4	116.5	69,700 *	66,500 *
22	80.3	116.2	64,700 *	61,700 *
24	79.3	115.8	60,400 *	57,600 *
26	78.2	115.4	56,600 *	54,000 *
28	77.1	115.0	53,200 *	50,800 *
30	76.1	114.5	50,200 *	48,000 *
32	75.0	114.0	47,500 *	45,400 *
34	73.9	113.4	45,000 *	43,100 *
36	72.8	112.8	42,800 *	40,300
38	71.7	112.2	40,800 *	37,500
40	70.6	111.5	38,900 *	35,100
45	67.8	109.6	33,900	30,100
50	65.0	107.4	29,700	26,300
55	62.1	104.8	26,200	23,200
60	59.1	102.0	23,400	20,700
65	56.0	98.8	21,100	18,600
70	52.8	95.2	19,100	16,800
75	49.4	91.1	17,500	15,300
80	45.9	86.6	16,000	14,000
85	42.1	81.3	14,700	12,800
90	38.1	75.4	13,600	11,800
95	33.6	68.4	12,600	10,900
100	28.5	60.0	11,700	10,100
105	22.4	49.4	10,900	9,400
110	14.0	34.0	9,800 *	8,700

Liftcrane Boom Capacities

Boom No. 222 With Open Throat Top
53,300 Lb. and 63,300 Lb. Counterweight
Pick and Carry Rating Over End On Rubber

Meets
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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	63,300 Lb. Counterweight	53,300 Lb. Counterweight
			Boom Capacity End Pounds	Boom Capacity End Pounds
120 Ft. Boom				
22	81.1	126.3	64,100 *	61,100 *
24	80.2	126.0	59,800 *	57,000 *
26	79.2	125.6	56,000 *	53,500 *
28	78.2	125.2	52,600 *	50,300 *
30	77.3	124.8	49,600 *	47,400 *
32	76.3	124.3	46,900 *	44,900 *
34	75.3	123.8	44,500 *	42,500 *
36	74.3	123.2	42,300 *	39,900
38	73.3	122.7	40,300 *	37,200
40	72.3	122.0	38,400 *	34,800
45	69.8	120.3	33,600	29,800
50	67.2	118.3	29,400	26,000
55	64.6	116.1	25,900	22,900
60	61.9	113.5	23,100	20,400
65	59.2	110.7	20,800	18,300
70	56.3	107.5	18,900	16,500
75	53.4	103.9	17,200	15,000
80	50.4	100.0	15,700	13,700
85	47.2	95.6	14,400	12,600
90	43.8	90.7	13,300	11,500
95	40.2	85.1	12,300	10,600
100	36.4	78.7	11,400	9,800
105	32.1	71.3	10,600	9,100
110	27.3	62.5	9,900	8,400
115	21.4	51.3	9,200	7,800
120	13.4	35.2	8,100 *	7,300

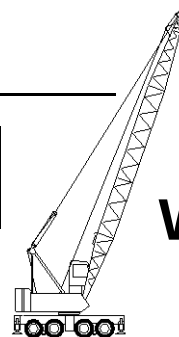
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	63,300 Lb. Counterweight	53,300 Lb. Counterweight
			Boom Capacity End Pounds	Boom Capacity End Pounds
130 Ft. Boom				
22	81.8	136.5	63,500 *	60,600 *
24	80.9	136.1	59,300 *	56,500 *
26	80.0	135.8	55,500 *	53,000 *
28	79.1	135.4	52,200 *	49,800 *
30	78.2	135.0	49,200 *	47,000 *
32	77.3	134.6	46,500 *	44,400 *
34	76.4	134.1	44,100 *	42,100 *
36	75.5	133.6	41,900 *	39,600
38	74.6	133.1	39,800 *	36,900
40	73.7	132.5	38,000 *	34,500
45	71.4	130.9	33,300	29,600
50	69.0	129.1	29,100	25,700
55	66.7	127.1	25,700	22,700
60	64.2	124.7	22,900	20,200
65	61.8	122.2	20,600	18,100
70	59.2	119.3	18,600	16,300
75	56.6	116.2	16,900	14,800
80	53.9	112.7	15,500	13,500
85	51.1	108.8	14,200	12,300
90	48.3	104.6	13,100	11,300
95	45.2	99.8	12,100	10,400
100	42.0	94.6	11,200	9,600
105	38.6	88.6	10,400	8,900
110	34.9	81.9	9,700	8,200
115	30.8	74.1	9,000	7,600
120	26.2	64.8	8,400	7,100
125	20.6	53.2	7,800	6,600
130	12.8	36.3	6,700 *	6,100



Liftcrane Boom Capacities

Boom No. 222 With Open Throat Top
53,300 Lb. and 63,300 Lb. Counterweight
Pick and Carry Rating Over End On Rubber

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Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	63,300 Lb. Counterweight	53,300 Lb. Counterweight
			Boom Capacity End Pounds	Boom Capacity End Pounds
140 Ft. Boom				
24	81.6	146.3	58,800 *	56,100 *
26	80.8	145.9	55,000 *	52,500 *
28	79.9	145.6	51,700 *	49,400 *
30	79.1	145.2	48,800 *	46,500 *
32	78.3	144.8	46,100 *	44,000 *
34	77.4	144.4	43,700 *	41,700 *
36	76.6	143.9	41,500 *	39,300
38	75.7	143.4	39,500 *	36,600
40	74.9	142.9	37,600 *	34,200
45	72.8	141.4	33,100	29,300
50	70.6	139.8	28,800	25,500
55	68.4	137.9	25,500	22,400
60	66.2	135.8	22,700	19,900
65	63.9	133.4	20,400	17,900
70	61.6	130.9	18,400	16,100
75	59.3	128.0	16,700	14,600
80	56.9	124.9	15,300	13,300
85	54.4	121.4	14,000	12,100
90	51.8	117.7	12,900	11,100
95	49.2	113.5	11,900	10,200
100	46.4	108.9	11,000	9,400
105	43.5	103.9	10,200	8,700
110	40.4	98.3	9,500	8,000
115	37.1	92.1	8,800	7,400
120	33.6	85.0	8,200	6,900
125	29.7	76.8	7,700	6,400
130	25.2	67.1	7,100	5,900
135	19.8	55.0	6,700	5,500
140	12.4	37.4	5,500 *	5,100

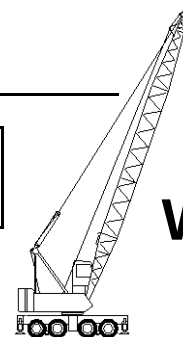
Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	63,300 Lb. Counterweight	53,300 Lb. Counterweight
			Boom Capacity End Pounds	Boom Capacity End Pounds
150 Ft. Boom				
26	81.4	156.1	54,500 *	52,000 *
28	80.6	155.8	51,200 *	48,900 *
30	79.8	155.4	48,300 *	46,100 *
32	79.1	155.0	45,600 *	43,600 *
34	78.3	154.6	43,200 *	41,300 *
36	77.5	154.2	41,000 *	39,000
38	76.7	153.7	39,000 *	36,300
40	75.9	153.2	37,200 *	33,900
45	73.9	151.9	32,800	29,000
50	71.9	150.3	28,600	25,200
55	69.9	148.6	25,200	22,200
60	67.9	146.6	22,400	19,700
65	65.8	144.5	20,100	17,600
70	63.7	142.1	18,200	15,900
75	61.5	139.5	16,500	14,400
80	59.3	136.7	15,100	13,000
85	57.1	133.5	13,800	11,900
90	54.8	130.1	12,700	10,900
95	52.4	126.4	11,700	10,000
100	49.9	122.4	10,800	9,200
105	47.4	118.0	10,000	8,500
110	44.7	113.1	9,300	7,800
115	41.9	107.8	8,600	7,200
120	39.0	101.9	8,000	6,700
125	35.8	95.3	7,400	6,200
130	32.4	87.9	6,900	5,700
135	28.6	79.4	6,500	5,300
140	24.3	69.3	6,000	4,900
145	19.1	56.7	5,600	4,500
150	11.9	38.5	4,400 *	4,200



Liftcrane Boom Capacities

Boom No. 222 With Open Throat Top
53,300 Lb. and 63,300 Lb. Counterweight
Pick and Carry Rating Over End On Rubber

Meets
 ANSI B30.5
 Requirements



222
WAGON

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	63,300 Lb. Counterweight	53,300 Lb. Counterweight
			Boom Capacity End Pounds	Boom Capacity End Pounds
160 Ft. Boom				
26	81.9	166.2	47,700 *	47,700 *
28	81.2	165.9	47,300 *	47,300 *
30	80.5	165.6	46,900 *	45,500 *
32	79.7	165.2	45,100 *	43,000 *
34	79.0	164.8	42,700 *	40,700 *
36	78.3	164.4	40,500 *	38,700 *
38	77.6	164.0	38,500 *	36,000
40	76.8	163.5	36,700 *	33,600
45	75.0	162.3	32,500	28,700
50	73.1	160.8	28,300	24,900
55	71.2	159.2	24,900	21,900
60	69.3	157.4	22,200	19,400
65	67.4	155.4	19,900	17,300
70	65.4	153.2	17,900	15,600
75	63.5	150.8	16,200	14,100
80	61.4	148.2	14,800	12,800
85	59.4	145.3	13,500	11,600
90	57.3	142.2	12,400	10,600
95	55.1	138.9	11,400	9,700
100	52.9	135.2	10,500	8,900
105	50.6	131.2	9,700	8,200
110	48.2	126.9	9,000	7,600
115	45.8	122.2	8,300	7,000
120	43.2	117.1	7,700	6,400
125	40.5	111.5	7,200	5,900
130	37.7	105.4	6,700	5,500
135	34.6	98.5	6,200	5,000
140	31.3	90.7	5,800	4,600
145	27.7	81.9	5,400	4,300
150	23.5	71.4	5,000	
155	18.5	58.3	4,400 *	

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	63,300 Lb. Counterweight	53,300 Lb. Counterweight
			Boom Capacity End Pounds	Boom Capacity End Pounds
170 Ft. Boom				
28	81.7	176.0	40,600 *	40,600 *
30	81.0	175.7	40,200 *	40,200 *
32	80.4	175.4	39,900 *	39,900 *
34	79.7	175.0	39,600 *	39,600 *
36	79.0	174.6	39,300 *	38,200 *
38	78.3	174.2	38,100 *	35,700
40	77.6	173.8	36,300 *	33,300
45	75.9	172.6	32,200	28,500
50	74.1	171.2	28,000	24,700
55	72.4	169.7	24,600	21,600
60	70.6	168.1	21,900	19,200
65	68.8	166.2	19,600	17,100
70	67.0	164.1	17,700	15,300
75	65.1	161.9	16,000	13,800
80	63.3	159.5	14,500	12,500
85	61.3	156.8	13,300	11,400
90	59.4	154.0	12,200	10,400
95	57.4	150.9	11,200	9,500
100	55.4	147.6	10,300	8,700
105	53.3	143.9	9,500	8,000
110	51.2	140.1	8,800	7,300
115	49.0	135.9	8,100	6,700
120	46.7	131.3	7,500	6,200
125	44.3	126.4	6,900	5,700
130	41.9	121.0	6,400	5,200
135	39.3	115.2	6,000	4,800
140	36.5	108.7	5,500	4,400
145	33.6	101.6	5,100	4,100
150	30.4	93.5	4,800	
155	26.9	84.3	4,400	
160	22.8	73.4	4,000 *	

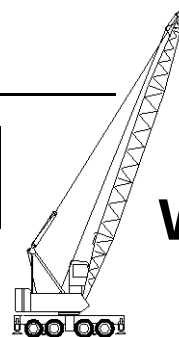
Manitowoc Cranes, Inc.

Manitowoc, Wisconsin 54220 U.S.A.

Liftcrane Boom Capacities

Boom No. 222 With Open Throat Top
53,300 Lb. and 63,300 Lb. Counterweight
Pick and Carry Rating Over End On Rubber

Meets
ANSI B30.5
Requirements



Manitowoc

**222
WAGON**

Oper. Rad. Feet	Boom Ang. Deg.	Boom Point Elev. Feet	63,300 Lb. Counterweight	53,300 Lb. Counterweight
			Boom Capacity End Pounds	Boom Capacity End Pounds
180 Ft. Boom				
30	81.5	185.8	35,200 *	35,200 *
32	80.9	185.5	34,900 *	34,900 *
34	80.3	185.2	34,600 *	34,600 *
36	79.6	184.8	34,300 *	34,300 *
38	79.0	184.4	34,000 *	34,000 *
40	78.3	184.0	33,700 *	33,000
45	76.7	182.9	31,900 *	28,200
50	75.0	181.6	27,800	24,400
55	73.4	180.2	24,400	21,400
60	71.7	178.6	21,700	18,900
65	70.0	176.9	19,400	16,900
70	68.3	175.0	17,400	15,100
75	66.6	172.9	15,800	13,600
80	64.8	170.6	14,300	12,300
85	63.1	168.1	13,100	11,200
90	61.3	165.5	12,000	10,200
95	59.4	162.6	11,000	9,300
100	57.6	159.6	10,100	8,500
105	55.7	156.2	9,300	7,800
110	53.7	152.7	8,600	7,100
115	51.7	148.9	7,900	6,500
120	49.6	144.8	7,300	6,000
125	47.5	140.3	6,700	5,500
130	45.3	135.6	6,200	5,000
135	43.0	130.4	5,800	4,600
140	40.6	124.8	5,300	4,200
145	38.1	118.7	4,900	
150	35.5	111.9	4,500	
155	32.6	104.5	4,200	