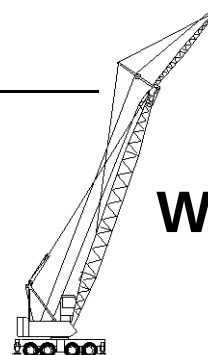


Liftcrane Jib Capacities

**Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
360 Degree Static Rating On Rubber**

**Meets
ANSI B30.5
Requirements**



**222
WAGON**

LIFTING CAPACITIES: Chart supplements boom capacity chart **No. 9186-A**. Lifting capacities for various boom lengths, jib lengths and jib 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 (*).

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and jib point sheaves, is considered part of jib load. Boom and jib are 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 on a firm uniformly supporting surface with gantry up. Refer to boom rigging **No. A07956**, jib assembly **No. 911092** and Wire Rope Specification chart **No. 9191-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, 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.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line. 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.

JIB POINT ELEVATION: Jib point elevation is vertical distance from ground level to centerline of jib 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, 1st counterweight = 28,500 Lbs., 2nd counterweight = 24,800 Lbs.

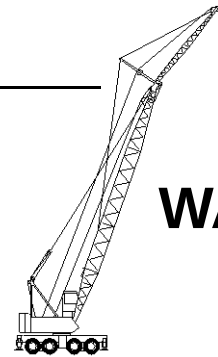
Maximum capacity on 7/8 in. or 22 mm wire rope is 20,000 Lbs.

Maximum Boom and Jib Lengths Lifted Unassisted			
Over End or Side of Fully Extended Outriggers		Over End On Rubber	
Boom Length	Jib No. 10	Boom Length	Jib No. 10
200 Ft.	—	180 Ft.	—
190 Ft.	60 Ft.	180 Ft.	40 Ft.
		170 Ft.	60 Ft.
Load block, hook and weight ball on ground at start.			

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
360 Degree Static Rating On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

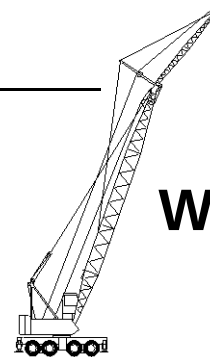
30 Ft. Fixed Jib

Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
70 Ft. Boom													
25	78.4	106.4	20,000 *	80.8	106.1	20,000 *							25
30	75.4	105.2	20,000 *	77.9	104.9	20,000 *	80.3	104.0	20,000 *				30
35	72.5	103.7	20,000 *	74.9	103.4	20,000 *	77.3	102.5	20,000 *	79.7	101.1	19,200 *	35
40	69.5	102.0	20,000 *	71.9	101.6	20,000 *	74.2	100.7	20,000 *	76.6	99.2	18,100 *	40
45	66.4	99.9	20,000 *	68.8	99.5	20,000 *	71.1	98.6	20,000 *	73.4	97.1	16,900 *	45
50	63.2	97.5	20,000 *	65.6	97.1	20,000 *	67.9	96.2	20,000 *	70.2	94.6	15,900 *	50
55	60.0	94.8	20,000 *	62.3	94.4	20,000 *	64.6	93.4	19,300 *	66.8	91.8	15,100 *	55
60	56.6	91.6	20,000 *	59.0	91.2	20,000 *	61.2	90.2	18,100 *	63.3	88.5	14,300 *	60
65	53.1	88.1	18,600	55.5	87.6	18,700	57.6	86.6	17,000 *				65
70	49.5	84.0	16,900	51.8	83.5	17,000	53.9	82.5	16,100 *				70
75	45.6	79.3	15,400	47.9	78.9	15,500	49.9	77.7	15,300 *				75
80	41.4	74.0	14,200	43.7	73.5	14,300							80
80 Ft. Boom													
25	79.4	116.6	20,000 *										25
30	76.8	115.5	20,000 *	79.0	115.2	20,000 *							30
35	74.1	114.2	20,000 *	76.3	113.8	20,000 *	78.5	113.0	20,000 *	80.7	111.4	19,700 *	35
40	71.4	112.6	20,000 *	73.6	112.3	20,000 *	75.7	111.4	20,000 *	77.9	109.8	18,600 *	40
45	68.6	110.8	20,000 *	70.8	110.4	20,000 *	72.9	109.5	20,000 *	75.1	107.9	17,500 *	45
50	65.8	108.6	20,000 *	68.0	108.2	20,000 *	70.1	107.3	20,000 *	72.2	105.7	16,500 *	50
55	62.9	106.2	20,000 *	65.1	105.8	20,000 *	67.2	104.8	20,000 *	69.2	103.2	15,600 *	55
60	60.0	103.4	20,000 *	62.1	103.0	20,000 *	64.2	102.0	19,100 *	66.1	100.3	14,900 *	60
65	56.9	100.3	18,200	59.1	99.9	18,400	61.1	98.9	18,000 *	63.0	97.1	14,200 *	65
70	53.8	96.8	16,600	55.9	96.4	16,700	57.9	95.3	16,900	59.7	93.5	13,700 *	70
75	50.5	92.9	15,100	52.6	92.4	15,200	54.5	91.3	15,400				75
80	47.0	88.4	13,900	49.1	87.9	14,000	51.0	86.8	14,100				80
90	39.4	77.6	11,800	41.4	77.1	11,900							90
90 Ft. Boom													
25	80.3	126.8	20,000 *										25
30	77.9	125.8	20,000 *	79.9	125.4	20,000 *							30
35	75.5	124.6	20,000 *	77.5	124.2	20,000 *	79.5	123.3	20,000 *				35
40	73.0	123.1	20,000 *	75.0	122.8	20,000 *	77.0	121.9	20,000 *	79.0	120.3	19,100 *	40
45	70.5	121.5	20,000 *	72.5	121.1	20,000 *	74.4	120.2	20,000 *	76.4	118.6	18,000 *	45
50	67.9	119.5	20,000 *	69.9	119.1	20,000 *	71.9	118.2	20,000 *	73.8	116.6	17,000 *	50
55	65.4	117.3	20,000 *	67.3	116.9	20,000 *	69.2	116.0	20,000 *	71.1	114.3	16,200 *	55
60	62.7	114.9	20,000 *	64.7	114.4	20,000 *	66.6	113.5	20,000 *	68.4	111.8	15,400 *	60
65	60.0	112.1	18,000	61.9	111.7	18,200	63.8	110.7	18,400	65.6	108.9	14,700 *	65
70	57.2	109.0	16,300	59.1	108.6	16,500	61.0	107.5	16,700	62.7	105.7	14,200 *	70
75	54.3	105.5	14,900	56.3	105.1	15,000	58.1	104.0	15,200	59.7	102.1	13,600 *	75
80	51.3	101.7	13,600	53.2	101.2	13,800	55.0	100.1	13,900				80
90	44.9	92.6	11,500	46.8	92.1	11,700							90
100	37.7	81.1	9,900										100

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
360 Degree Static Rating On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

30 Ft. Fixed Jib

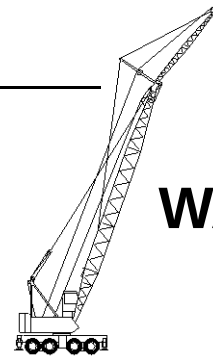
Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. Boom													
30	78.8	136.0	20,000 *	80.7	135.7	20,000 *							30
35	76.6	134.9	20,000 *	78.4	134.5	20,000 *	80.3	133.6	20,000 *				35
40	74.3	133.6	20,000 *	76.2	133.2	20,000 *	78.0	132.3	20,000 *	79.9	130.7	19,500 *	40
45	72.0	132.0	20,000 *	73.9	131.7	20,000 *	75.7	130.7	20,000 *	77.5	129.1	18,400 *	45
50	69.7	130.3	20,000 *	71.5	129.9	20,000 *	73.3	128.9	20,000 *	75.1	127.3	17,500 *	50
55	67.3	128.3	20,000 *	69.2	127.9	20,000 *	71.0	126.9	20,000 *	72.7	125.2	16,600 *	55
60	64.9	126.0	19,700	66.8	125.6	20,000 *	68.5	124.6	20,000 *	70.2	122.9	15,900 *	60
65	62.5	123.5	17,800	64.3	123.1	18,000	66.0	122.1	18,200	67.7	120.4	15,200 *	65
70	60.0	120.7	16,100	61.8	120.3	16,300	63.5	119.3	16,500	65.2	117.5	14,600 *	70
75	57.4	117.7	14,600	59.2	117.2	14,800	60.9	116.2	15,000	62.5	114.3	14,100 *	75
80	54.8	114.3	13,400	56.6	113.8	13,500	58.2	112.7	13,700	59.8	110.8	13,600 *	80
90	49.2	106.4	11,300	50.9	105.9	11,500	52.5	104.7	11,600				90
100	43.1	96.6	9,700	44.8	96.1	9,800							100
110	36.2	84.4	8,400										110
110 Ft. Boom													
30	79.6	146.2	20,000 *				81.0	143.9	20,000 *				30
35	77.6	145.2	20,000 *	79.3	144.8	20,000 *	81.0	143.9	20,000 *				35
40	75.5	144.0	20,000 *	77.2	143.6	20,000 *	78.9	142.6	20,000 *	80.6	141.0	19,800 *	40
45	73.3	142.5	20,000 *	75.1	142.1	20,000 *	76.8	141.2	20,000 *	78.5	139.6	18,800 *	45
50	71.2	140.9	20,000 *	72.9	140.5	20,000 *	74.6	139.5	20,000 *	76.3	137.9	17,900 *	50
55	69.0	139.1	20,000 *	70.7	138.7	20,000 *	72.4	137.7	20,000 *	74.0	136.0	17,000 *	55
60	66.8	137.0	19,500	68.5	136.6	19,700	70.2	135.6	20,000 *	71.8	133.9	16,300 *	60
65	64.6	134.7	17,500	66.3	134.3	17,700	67.9	133.3	18,000	69.5	131.6	15,600 *	65
70	62.3	132.2	15,800	64.0	131.8	16,000	65.6	130.7	16,200	67.2	129.0	15,100 *	70
75	60.0	129.4	14,400	61.7	129.0	14,600	63.3	127.9	14,800	64.8	126.1	14,500 *	75
80	57.6	126.3	13,100	59.3	125.9	13,300	60.8	124.8	13,500	62.3	122.9	13,600	80
90	52.6	119.3	11,100	54.3	118.8	11,200	55.8	117.7	11,400				90
100	47.3	110.8	9,500	48.9	110.3	9,600	50.4	109.0	9,700				100
110	41.4	100.5	8,100	43.0	99.9	8,200							110
120	34.8	87.6	7,000										120
120 Ft. Boom													
30	80.3	156.4	20,000 *										30
35	78.4	155.4	20,000 *	80.0	155.0	20,000 *							35
40	76.4	154.3	20,000 *	78.1	153.9	20,000 *	79.7	152.9	20,000 *				40
45	74.5	153.0	20,000 *	76.1	152.6	20,000 *	77.7	151.6	20,000 *	79.3	149.9	19,100 *	45
50	72.5	151.4	20,000 *	74.1	151.0	20,000 *	75.7	150.1	20,000 *	77.2	148.4	18,200 *	50
55	70.5	149.7	20,000 *	72.1	149.3	20,000 *	73.6	148.4	20,000 *	75.2	146.7	17,400 *	55
60	68.5	147.8	19,200	70.0	147.4	19,500	71.6	146.4	19,800	73.1	144.7	16,700 *	60
65	66.4	145.7	17,200	68.0	145.3	17,500	69.5	144.3	17,700	71.0	142.6	16,000 *	65
70	64.3	143.4	15,500	65.9	143.0	15,800	67.4	142.0	16,000	68.9	140.2	15,400 *	70
75	62.2	140.9	14,100	63.7	140.4	14,300	65.2	139.4	14,500	66.7	137.6	14,700	75
80	60.0	138.1	12,900	61.6	137.6	13,100	63.0	136.6	13,200	64.4	134.7	13,400	80
90	55.5	131.7	10,800	57.0	131.2	11,000	58.5	130.1	11,100	59.8	128.1	11,300	90
100	50.7	124.1	9,200	52.2	123.6	9,300	53.6	122.4	9,400				100
110	45.6	115.1	7,900	47.1	114.5	8,000							110
120	40.0	104.1	6,800	41.4	103.5	6,900							120
130	33.6	90.6	5,800										130



Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
 Boom No. 222 With Open Throat Top
 53,300 Lb. Counterweight
 360 Degree Static Rating On Rubber

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

30 Ft. Fixed Jib

Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
130 Ft. Boom													
30	80.9	166.5	20,000 *										30
35	79.1	165.6	20,000 *	80.6	165.2	20,000 *							35
40	77.3	164.6	20,000 *	78.8	164.2	20,000 *	80.3	163.2	20,000 *				40
45	75.5	163.3	20,000 *	77.0	162.9	20,000 *	78.5	162.0	20,000 *	80.0	160.3	19,500 *	45
50	73.6	161.9	20,000 *	75.1	161.5	20,000 *	76.6	160.5	20,000 *	78.1	158.9	18,600 *	50
55	71.8	160.3	20,000 *	73.2	159.9	20,000 *	74.7	158.9	20,000 *	76.2	157.2	17,800 *	55
60	69.9	158.6	18,900	71.4	158.2	19,200	72.8	157.2	19,500	74.2	155.4	17,100 *	60
65	67.9	156.6	17,000	69.4	156.2	17,200	70.9	155.2	17,500	72.3	153.4	16,400 *	65
70	66.0	154.5	15,300	67.5	154.0	15,500	68.9	153.0	15,800	70.3	151.2	15,800 *	70
75	64.0	152.1	13,900	65.5	151.7	14,100	66.9	150.6	14,300	68.3	148.8	14,500	75
80	62.0	149.5	12,600	63.5	149.1	12,800	64.9	148.0	13,000	66.2	146.2	13,200	80
90	57.9	143.7	10,600	59.4	143.2	10,700	60.7	142.1	10,900	62.0	140.2	11,100	90
100	53.6	136.8	8,900	55.0	136.3	9,100	56.3	135.2	9,200				100
110	49.0	128.7	7,600	50.4	128.2	7,700	51.7	126.9	7,900				110
120	44.1	119.1	6,500	45.5	118.6	6,600							120
130	38.6	107.7	5,600										130
140	32.5	93.5	4,800										140
140 Ft. Boom													
35	79.8	175.8	20,000 *										35
40	78.1	174.8	20,000 *	79.5	174.4	20,000 *	80.9	173.4	20,000 *				40
45	76.3	173.6	20,000 *	77.8	173.2	20,000 *	79.2	172.3	20,000 *	80.6	170.6	19,700 *	45
50	74.6	172.3	20,000 *	76.0	171.9	20,000 *	77.4	170.9	20,000 *	78.8	169.2	18,900 *	50
55	72.9	170.8	20,000 *	74.3	170.4	20,000 *	75.6	169.4	20,000 *	77.0	167.7	18,100 *	55
60	71.1	169.2	18,700	72.5	168.8	19,000	73.9	167.8	19,300	75.2	166.0	17,400 *	60
65	69.3	167.4	16,700	70.7	166.9	17,000	72.1	165.9	17,300	73.4	164.2	16,700 *	65
70	67.5	165.4	15,100	68.9	164.9	15,300	70.2	163.9	15,600	71.6	162.1	15,800	70
75	65.7	163.2	13,600	67.1	162.7	13,900	68.4	161.7	14,100	69.7	159.9	14,300	75
80	63.8	160.8	12,400	65.2	160.3	12,600	66.5	159.3	12,800	67.8	157.5	13,000	80
90	60.0	155.4	10,300	61.4	154.9	10,500	62.7	153.8	10,700	63.9	151.9	10,900	90
100	56.0	149.1	8,700	57.4	148.6	8,900	58.7	147.5	9,000	59.8	145.5	9,200	100
110	51.9	141.7	7,400	53.2	141.2	7,500	54.4	140.0	7,700				110
120	47.4	133.2	6,300	48.8	132.6	6,400	50.0	131.3	6,500				120
130	42.7	123.1	5,400	44.0	122.5	5,500							130
140	37.4	111.1	4,600										140

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
360 Degree Static Rating On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

30 Ft. Fixed Jib

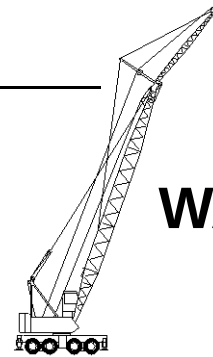
Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
150 Ft. Boom													
35	80.3	186.0	20,000 *										35
40	78.7	185.0	20,000 *	80.1	184.6	20,000 *							40
45	77.1	183.9	20,000 *	78.5	183.5	20,000 *	79.8	182.5	20,000 *				45
50	75.5	182.7	20,000 *	76.8	182.3	20,000 *	78.1	181.3	20,000 *	79.5	179.6	19,200 *	50
55	73.8	181.3	20,000 *	75.2	180.9	20,000 *	76.5	179.9	20,000 *	77.8	178.2	18,400 *	55
60	72.2	179.7	18,400	73.5	179.3	18,800	74.8	178.3	19,100	76.1	176.6	17,700 *	60
65	70.5	178.0	16,500	71.8	177.6	16,800	73.1	176.6	17,100	74.4	174.8	17,100 *	65
70	68.8	176.2	14,800	70.1	175.7	15,100	71.4	174.7	15,400	72.7	172.9	15,600	70
75	67.1	174.1	13,400	68.4	173.7	13,600	69.7	172.6	13,900	70.9	170.8	14,100	75
80	65.4	171.9	12,100	66.7	171.4	12,400	67.9	170.4	12,600	69.1	168.6	12,800	80
90	61.8	166.9	10,100	63.1	166.4	10,300	64.3	165.3	10,500	65.5	163.4	10,700	90
100	58.1	161.0	8,500	59.4	160.6	8,600	60.6	159.4	8,800	61.8	157.5	9,000	100
110	54.3	154.3	7,200	55.6	153.8	7,300	56.8	152.6	7,400				110
120	50.3	146.5	6,100	51.6	146.0	6,200	52.7	144.7	6,300				120
130	46.0	137.5	5,200	47.3	136.9	5,300							130
140	41.4	126.9	4,400	42.7	126.3	4,500							140
160 Ft. Boom													
35	80.9	196.1	20,000 *										35
40	79.3	195.2	20,000 *	80.6	194.8	20,000 *							40
45	77.8	194.2	20,000 *	79.1	193.8	20,000 *	80.3	192.8	20,000 *				45
50	76.3	193.0	20,000 *	77.5	192.6	20,000 *	78.8	191.6	20,000 *	80.0	189.9	19,400 *	50
55	74.7	191.7	20,000 *	76.0	191.3	20,000 *	77.2	190.3	20,000 *	78.5	188.5	18,700 *	55
60	73.1	190.2	18,100	74.4	189.8	18,500	75.6	188.8	18,900	76.9	187.1	18,000 *	60
65	71.6	188.6	16,200	72.8	188.2	16,500	74.0	187.2	16,800	75.3	185.4	17,200	65
70	70.0	186.9	14,500	71.2	186.4	14,800	72.4	185.4	15,100	73.6	183.6	15,400	70
75	68.4	184.9	13,100	69.6	184.5	13,400	70.8	183.5	13,600	72.0	181.7	13,900	75
80	66.7	182.8	11,900	68.0	182.4	12,100	69.2	181.3	12,400	70.3	179.5	12,600	80
90	63.4	178.1	9,800	64.7	177.7	10,000	65.8	176.6	10,200	67.0	174.7	10,400	90
100	60.0	172.7	8,200	61.2	172.2	8,400	62.4	171.1	8,600	63.5	169.2	8,700	100
110	56.5	166.5	6,900	57.7	166.0	7,100	58.8	164.8	7,200	59.8	162.8	7,300	110
120	52.8	159.3	5,800	54.0	158.8	5,900	55.1	157.6	6,100				120
130	48.9	151.1	4,900	50.1	150.5	5,000	51.1	149.2	5,100				130
140	44.7	141.6	4,100	45.9	141.0	4,200							140



Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
 Boom No. 222 With Open Throat Top
 53,300 Lb. Counterweight
 360 Degree Static Rating On Rubber

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

30 Ft. Fixed Jib

Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
170 Ft. Boom													
40	79.9	205.4	20,000 *										40
45	78.4	204.4	20,000 *	79.6	204.0	20,000 *	80.8	203.0	20,000 *				45
50	77.0	203.3	20,000 *	78.2	202.9	20,000 *	79.4	201.9	20,000 *	80.6	200.2	19,600 *	50
55	75.5	202.1	20,000 *	76.7	201.6	20,000 *	77.9	200.6	20,000 *	79.1	198.9	18,900 *	55
60	74.0	200.7	17,900	75.2	200.2	18,300	76.4	199.2	18,600	77.6	197.5	18,200 *	60
65	72.5	199.1	15,900	73.7	198.7	16,300	74.9	197.7	16,600	76.0	195.9	17,000	65
70	71.0	197.5	14,300	72.2	197.0	14,600	73.4	196.0	14,900	74.5	194.2	15,200	70
75	69.5	195.7	12,800	70.7	195.2	13,100	71.8	194.2	13,400	73.0	192.4	13,700	75
80	68.0	193.7	11,600	69.1	193.3	11,900	70.3	192.2	12,100	71.4	190.4	12,400	80
90	64.8	189.3	9,600	66.0	188.8	9,800	67.1	187.7	10,000	68.2	185.9	10,200	90
100	61.6	184.2	8,000	62.8	183.7	8,200	63.9	182.6	8,300	65.0	180.7	8,500	100
110	58.3	178.4	6,600	59.5	177.9	6,800	60.6	176.7	7,000	61.6	174.7	7,100	110
120	54.9	171.7	5,600	56.1	171.2	5,700	57.1	170.0	5,900				120
130	51.3	164.1	4,600	52.5	163.6	4,800	53.5	162.4	4,900				130
140				48.7	155.0	4,000	49.7	153.6	4,100				140
180 Ft. Boom													
40	80.4	215.5	20,000 *										40
45	79.0	214.6	20,000 *	80.1	214.2	20,000 *							45
50	77.6	213.6	20,000 *	78.7	213.1	20,000 *	79.9	212.1	20,000 *	81.0	210.4	19,900 *	50
55	76.2	212.4	20,000 *	77.3	212.0	20,000 *	78.5	210.9	20,000 *	79.6	209.2	19,100 *	55
60	74.8	211.1	17,600	75.9	210.6	18,000	77.0	209.6	18,400	78.2	207.9	18,500 *	60
65	73.4	209.6	15,700	74.5	209.2	16,100	75.6	208.2	16,400	76.7	206.4	16,800	65
70	71.9	208.0	14,000	73.1	207.6	14,400	74.2	206.6	14,700	75.3	204.8	15,000	70
75	70.5	206.3	12,600	71.6	205.9	12,900	72.7	204.8	13,200	73.8	203.0	13,500	75
80	69.1	204.5	11,400	70.2	204.0	11,700	71.3	203.0	11,900	72.4	201.1	12,200	80
90	66.1	200.3	9,300	67.2	199.8	9,600	68.3	198.8	9,800	69.4	196.9	10,100	90
100	63.1	195.5	7,700	64.2	195.0	7,900	65.3	193.9	8,100	66.3	192.0	8,300	100
110	60.0	190.0	6,400	61.1	189.6	6,600	62.1	188.4	6,800	63.1	186.5	6,900	110
120	56.8	183.8	5,300	57.9	183.3	5,500	58.9	182.2	5,700	59.9	180.1	5,800	120
130	53.5	176.8	4,400	54.6	176.3	4,600	55.6	175.1	4,700				130

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
360 Degree Static Rating On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

40 Ft. Fixed Jib

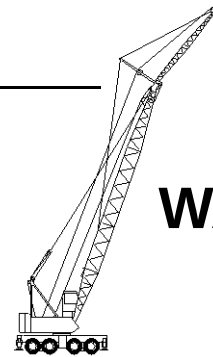
Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
70 Ft. Boom													
25	80.2	116.6	20,000 *										25
30	77.6	115.5	20,000 *	80.5	115.0	20,000 *							30
35	74.9	114.2	20,000 *	77.8	113.6	20,000 *	80.7	112.5	20,000 *				35
40	72.2	112.6	20,000 *	75.0	112.0	20,000 *	78.0	110.9	19,900 *	80.9	108.9	14,800 *	40
45	69.4	110.7	20,000 *	72.3	110.2	20,000 *	75.1	109.0	18,200 *	78.0	107.0	13,800 *	45
50	66.6	108.6	20,000 *	69.4	108.0	20,000 *	72.3	106.8	16,900 *	75.1	104.8	13,000 *	50
55	63.7	106.1	20,000 *	66.5	105.6	18,800 *	69.4	104.3	15,700 *	72.1	102.2	12,300 *	55
60	60.8	103.4	20,000 *	63.6	102.8	17,300 *	66.3	101.5	14,600 *	69.0	99.3	11,600 *	60
65	57.7	100.3	18,700	60.5	99.6	16,000 *	63.2	98.3	13,800 *	65.9	96.1	11,100 *	65
70	54.6	96.7	17,000	57.3	96.1	14,800 *	60.0	94.7	13,000 *	62.5	92.4	10,600 *	70
75	51.3	92.8	15,500	54.0	92.1	13,900 *	56.6	90.7	12,300 *				75
80	47.8	88.4	14,300	50.5	87.7	13,000 *	53.1	86.1	11,700 *				80
90	40.2	77.6	12,200	42.8	76.8	11,700 *							90
80 Ft. Boom													
25	81.0	126.8	20,000 *										25
30	78.6	125.8	20,000 *										30
35	76.2	124.5	20,000 *	78.8	124.0	20,000 *							35
40	73.7	123.1	20,000 *	76.3	122.5	20,000 *	79.0	121.3	20,000 *				40
45	71.2	121.4	20,000 *	73.8	120.8	20,000 *	76.5	119.6	19,000 *	79.1	117.6	14,200 *	45
50	68.7	119.5	20,000 *	71.3	118.9	20,000 *	73.9	117.6	17,600 *	76.5	115.6	13,400 *	50
55	66.1	117.3	20,000 *	68.7	116.7	20,000 *	71.2	115.4	16,400 *	73.8	113.3	12,600 *	55
60	63.4	114.8	20,000 *	66.0	114.2	18,500 *	68.6	112.9	15,400 *	71.1	110.7	12,000 *	60
65	60.7	112.0	18,400	63.3	111.4	17,100 *	65.8	110.1	14,500 *	68.2	107.8	11,400 *	65
70	57.9	108.9	16,700	60.5	108.3	15,900 *	62.9	106.9	13,700 *	65.3	104.6	11,000 *	70
75	55.0	105.5	15,200	57.6	104.8	14,900 *	60.0	103.4	13,000 *	62.3	101.0	10,500 *	75
80	52.0	101.6	14,000	54.5	101.0	14,000 *	56.9	99.4	12,400 *				80
90	45.6	92.6	11,900	48.1	91.8	12,000							90
100	38.4	81.0	10,300										100
90 Ft. Boom													
30	79.5	136.0	20,000 *										30
35	77.3	134.9	20,000 *	79.7	134.3	20,000 *							35
40	75.0	133.5	20,000 *	77.4	133.0	20,000 *	79.9	131.7	20,000 *				40
45	72.7	132.0	20,000 *	75.1	131.4	20,000 *	77.6	130.1	19,700 *	80.0	128.1	14,500 *	45
50	70.4	130.2	20,000 *	72.8	129.6	20,000 *	75.2	128.3	18,300 *	77.6	126.2	13,700 *	50
55	68.0	128.2	20,000 *	70.4	127.6	20,000 *	72.8	126.3	17,100 *	75.2	124.2	13,000 *	55
60	65.6	126.0	20,000 *	68.0	125.4	19,700 *	70.4	124.0	16,000 *	72.7	121.8	12,400 *	60
65	63.2	123.5	18,100	65.5	122.8	18,300 *	67.9	121.5	15,100 *	70.2	119.2	11,800 *	65
70	60.7	120.7	16,400	63.0	120.0	16,700	65.3	118.6	14,300 *	67.6	116.3	11,300 *	70
75	58.1	117.6	15,000	60.4	116.9	15,200	62.7	115.5	13,600 *	64.9	113.1	10,900 *	75
80	55.4	114.2	13,700	57.8	113.5	13,900	60.0	112.0	13,000 *	62.1	109.6	10,500 *	80
90	49.8	106.3	11,700	52.1	105.6	11,800	54.3	103.9	11,900 *				90
100	43.7	96.6	10,000	46.0	95.7	10,200							100
110	36.8	84.3	8,700										110



Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
 Boom No. 222 With Open Throat Top
 53,300 Lb. Counterweight
 360 Degree Static Rating On Rubber

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

40 Ft. Fixed Jib

Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. Boom													
30	80.3	146.2	20,000 *										30
35	78.2	145.1	20,000 *	80.4	144.6	20,000 *							35
40	76.1	143.9	20,000 *	78.3	143.3	20,000 *	80.6	142.0	20,000 *				40
45	74.0	142.5	20,000 *	76.2	141.9	20,000 *	78.5	140.6	20,000 *	80.8	138.5	14,700 *	45
50	71.8	140.9	20,000 *	74.1	140.3	20,000 *	76.3	138.9	18,900 *	78.6	136.8	14,000 *	50
55	69.7	139.0	20,000 *	71.9	138.4	20,000 *	74.1	137.1	17,700 *	76.3	134.9	13,300 *	55
60	67.5	137.0	19,900	69.7	136.3	20,000 *	71.9	135.0	16,700 *	74.1	132.8	12,700 *	60
65	65.2	134.7	17,900	67.4	134.0	18,200	69.6	132.7	15,700 *	71.8	130.4	12,100 *	65
70	62.9	132.1	16,200	65.1	131.5	16,500	67.3	130.1	14,900 *	69.4	127.8	11,600 *	70
75	60.6	129.3	14,800	62.8	128.7	15,000	64.9	127.2	14,200 *	67.0	124.9	11,200 *	75
80	58.2	126.3	13,500	60.4	125.6	13,700	62.5	124.1	13,500 *	64.5	121.7	10,800 *	80
90	53.2	119.2	11,500	55.4	118.5	11,600	57.4	116.9	11,800				90
100	47.9	110.7	9,800	50.0	109.9	10,000	52.0	108.2	10,100				100
110	42.0	100.4	8,500	44.1	99.5	8,600							110
120	35.4	87.5	7,400										120
110 Ft. Boom													
30	80.9	156.3	20,000 *										30
35	79.0	155.4	20,000 *										35
40	77.0	154.2	20,000 *	79.1	153.6	20,000 *							40
45	75.1	152.9	20,000 *	77.2	152.3	20,000 *	79.3	151.0	20,000 *				45
50	73.1	151.4	20,000 *	75.2	150.8	20,000 *	77.3	149.4	19,500 *	79.4	147.3	14,200 *	50
55	71.1	149.7	20,000 *	73.2	149.1	20,000 *	75.3	147.7	18,300 *	77.3	145.5	13,500 *	55
60	69.0	147.8	19,600	71.1	147.2	20,000 *	73.2	145.8	17,200 *	75.2	143.5	12,900 *	60
65	67.0	145.7	17,600	69.0	145.0	17,900	71.1	143.7	16,300 *	73.1	141.4	12,400 *	65
70	64.9	143.4	16,000	66.9	142.7	16,200	69.0	141.3	15,500 *	70.9	139.0	11,900 *	70
75	62.7	140.8	14,500	64.8	140.1	14,800	66.8	138.7	14,700 *	68.7	136.3	11,500 *	75
80	60.6	138.0	13,300	62.6	137.3	13,500	64.6	135.9	13,700	66.5	133.4	11,100 *	80
90	56.1	131.6	11,200	58.1	130.9	11,400	60.0	129.4	11,600	61.8	126.8	10,400 *	90
100	51.3	124.0	9,600	53.3	123.3	9,700	55.1	121.6	9,900				100
110	46.2	115.0	8,300	48.1	114.2	8,400							110
120	40.5	104.1	7,200	42.4	103.1	7,300							120
130	34.1	90.5	6,200										130

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
360 Degree Static Rating On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

40 Ft. Fixed Jib

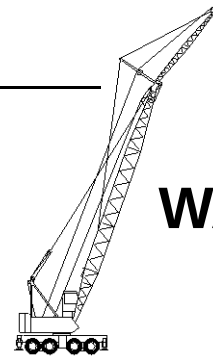
Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
120 Ft. Boom													
35	79.7	165.6	20,000 *										35
40	77.8	164.5	20,000 *	79.8	163.9	20,000 *							40
45	76.0	163.3	20,000 *	78.0	162.7	20,000 *	80.0	161.3	20,000 *				45
50	74.2	161.9	20,000 *	76.1	161.2	20,000 *	78.1	159.9	20,000 *	80.1	157.7	14,400 *	50
55	72.3	160.3	20,000 *	74.3	159.7	20,000 *	76.2	158.3	18,800 *	78.2	156.0	13,800 *	55
60	70.4	158.5	19,300	72.4	157.9	19,700	74.3	156.5	17,800 *	76.2	154.2	13,200 *	60
65	68.5	156.6	17,400	70.4	155.9	17,700	72.4	154.5	16,800 *	74.3	152.2	12,700 *	65
70	66.5	154.4	15,700	68.5	153.7	16,000	70.4	152.3	16,000 *	72.3	150.0	12,200 *	70
75	64.6	152.0	14,300	66.5	151.4	14,500	68.4	149.9	14,800	70.2	147.5	11,700 *	75
80	62.6	149.5	13,000	64.5	148.8	13,300	66.4	147.3	13,500	68.2	144.9	11,300 *	80
90	58.4	143.6	10,900	60.3	142.9	11,200	62.2	141.4	11,400	63.9	138.8	10,700 *	90
100	54.1	136.7	9,300	56.0	136.0	9,500	57.8	134.4	9,700				100
110	49.5	128.6	8,000	51.4	127.9	8,100	53.1	126.1	8,300				110
120	44.6	119.1	6,900	46.4	118.2	7,000							120
130	39.2	107.6	6,000										130
130 Ft. Boom													
35	80.3	175.8	20,000 *										35
40	78.6	174.8	20,000 *	80.4	174.1	20,000 *							40
45	76.8	173.6	20,000 *	78.7	173.0	20,000 *	80.6	171.6	20,000 *				45
50	75.1	172.3	20,000 *	77.0	171.6	20,000 *	78.8	170.3	20,000 *	80.7	168.0	14,600 *	50
55	73.4	170.8	20,000 *	75.2	170.2	20,000 *	77.1	168.8	19,300 *	78.9	166.5	14,000 *	55
60	71.6	169.1	19,100	73.4	168.5	19,500	75.3	167.1	18,300 *	77.1	164.8	13,400 *	60
65	69.8	167.3	17,100	71.6	166.7	17,500	73.5	165.2	17,300 *	75.3	162.9	12,900 *	65
70	68.0	165.3	15,400	69.8	164.6	15,800	71.6	163.2	16,100	73.4	160.9	12,400 *	70
75	66.2	163.1	14,000	68.0	162.4	14,300	69.8	161.0	14,600	71.5	158.6	12,000 *	75
80	64.3	160.7	12,800	66.1	160.0	13,000	67.9	158.6	13,300	69.6	156.1	11,600 *	80
90	60.5	155.3	10,700	62.3	154.6	10,900	64.0	153.1	11,100	65.7	150.6	10,900 *	90
100	56.5	149.0	9,100	58.3	148.3	9,300	60.0	146.7	9,400	61.6	144.0	9,600	100
110	52.4	141.7	7,700	54.1	140.9	7,900	55.8	139.2	8,100				110
120	47.9	133.1	6,600	49.7	132.3	6,800	51.3	130.5	6,900				120
130	43.2	123.0	5,700	44.9	122.1	5,800							130
140	37.9	111.0	4,900										140



Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
 Boom No. 222 With Open Throat Top
 53,300 Lb. Counterweight
 360 Degree Static Rating On Rubber

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

40 Ft. Fixed Jib

Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
140 Ft. Boom													
35	80.8	185.9	20,000 *										35
40	79.2	185.0	20,000 *	81.0	184.3	20,000 *							40
45	77.6	183.9	20,000 *	79.4	183.2	20,000 *							45
50	76.0	182.6	20,000 *	77.7	182.0	20,000 *	79.5	180.6	20,000 *				50
55	74.3	181.2	20,000 *	76.1	180.6	20,000 *	77.8	179.2	19,800 *	79.6	176.9	14,200 *	55
60	72.7	179.7	18,900	74.4	179.0	19,300	76.1	177.6	18,800 *	77.9	175.3	13,600 *	60
65	71.0	178.0	16,900	72.7	177.3	17,300	74.4	175.9	17,600	76.2	173.5	13,100 *	65
70	69.3	176.1	15,200	71.0	175.4	15,600	72.7	174.0	15,900	74.4	171.6	12,700 *	70
75	67.6	174.0	13,800	69.3	173.4	14,100	71.0	171.9	14,400	72.7	169.5	12,200 *	75
80	65.8	171.8	12,500	67.6	171.1	12,800	69.2	169.7	13,100	70.9	167.2	11,800 *	80
90	62.3	166.8	10,500	64.0	166.1	10,700	65.6	164.6	11,000	67.2	162.0	11,100 *	90
100	58.6	161.0	8,800	60.3	160.2	9,100	61.9	158.6	9,300	63.4	156.0	9,500	100
110	54.8	154.2	7,500	56.5	153.4	7,700	58.0	151.8	7,900				110
120	50.8	146.4	6,400	52.4	145.6	6,600	53.9	143.9	6,700				120
130	46.5	137.4	5,500	48.1	136.5	5,600							130
140	41.9	126.8	4,700	43.5	125.9	4,800							140
150	36.8	114.3	4,000										150
150 Ft. Boom													
40	79.8	195.2	20,000 *										40
45	78.3	194.1	20,000 *	79.9	193.5	20,000 *							45
50	76.7	193.0	20,000 *	78.4	192.3	20,000 *	80.1	190.9	20,000 *				50
55	75.2	191.6	20,000 *	76.8	191.0	20,000 *	78.5	189.6	20,000 *	80.2	187.3	14,400 *	55
60	73.6	190.2	18,600	75.2	189.5	19,000	76.9	188.1	19,200 *	78.6	185.8	13,800 *	60
65	72.0	188.6	16,600	73.7	187.9	17,000	75.3	186.5	17,400	76.9	184.1	13,300 *	65
70	70.4	186.8	15,000	72.1	186.1	15,300	73.7	184.7	15,700	75.3	182.3	12,900 *	70
75	68.8	184.9	13,500	70.4	184.2	13,900	72.1	182.7	14,200	73.6	180.3	12,400 *	75
80	67.2	182.8	12,300	68.8	182.1	12,600	70.4	180.6	12,900	72.0	178.2	12,100 *	80
90	63.9	178.1	10,200	65.5	177.4	10,500	67.1	175.9	10,800	68.6	173.3	11,000	90
100	60.4	172.6	8,600	62.0	171.9	8,800	63.6	170.3	9,100	65.0	167.7	9,300	100
110	56.9	166.4	7,300	58.5	165.6	7,500	60.0	164.0	7,700	61.4	161.3	7,800	110
120	53.2	159.2	6,200	54.8	158.4	6,400	56.2	156.7	6,500				120
130	49.3	151.0	5,300	50.9	150.2	5,400	52.3	148.3	5,600				130
140	45.2	141.5	4,500	46.7	140.6	4,600							140

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
360 Degree Static Rating On Rubber

Meets
ANSI B30.5
Requirements



222 WAGON

40 Ft. Fixed Jib

Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
160 Ft. Boom													
40	80.3	205.3	20,000 *										40
45	78.8	204.4	20,000 *	80.4	203.7	20,000 *							45
50	77.4	203.2	20,000 *	79.0	202.6	20,000 *	80.6	201.2	20,000 *				50
55	75.9	202.0	20,000 *	77.5	201.3	20,000 *	79.1	199.9	20,000 *	80.7	197.6	14,600 *	55
60	74.4	200.6	18,300	76.0	200.0	18,800	77.6	198.5	19,300	79.2	196.2	14,000 *	60
65	72.9	199.1	16,400	74.5	198.4	16,800	76.1	197.0	17,200	77.6	194.6	13,500 *	65
70	71.4	197.4	14,700	73.0	196.7	15,100	74.6	195.3	15,500	76.1	192.9	13,100 *	70
75	69.9	195.6	13,300	71.5	194.9	13,600	73.0	193.5	14,000	74.5	191.0	12,600 *	75
80	68.4	193.6	12,000	69.9	192.9	12,400	71.5	191.5	12,700	73.0	189.0	12,300 *	80
90	65.3	189.2	10,000	66.8	188.5	10,300	68.3	187.0	10,500	69.8	184.5	10,800	90
100	62.1	184.1	8,300	63.6	183.4	8,600	65.1	181.8	8,800	66.5	179.2	9,000	100
110	58.8	178.3	7,000	60.3	177.5	7,200	61.7	175.9	7,400	63.1	173.2	7,600	110
120	55.3	171.6	5,900	56.8	170.9	6,100	58.2	169.2	6,300				120
130	51.8	164.1	5,000	53.2	163.3	5,200	54.6	161.5	5,300				130
140	48.0	155.5	4,200	49.4	154.6	4,400	50.8	152.7	4,500				140
170 Ft. Boom													
40	80.8	215.5	20,000 *										40
45	79.4	214.6	20,000 *	80.9	213.9	20,000 *							45
50	78.0	213.5	20,000 *	79.5	212.9	20,000 *	81.0	211.4	20,000 *				50
55	76.6	212.3	20,000 *	78.1	211.7	20,000 *	79.6	210.2	20,000 *				55
60	75.2	211.0	18,100	76.7	210.3	18,600	78.2	208.9	19,100	79.7	206.5	14,200 *	60
65	73.8	209.6	16,100	75.3	208.9	16,600	76.8	207.4	17,000	78.3	205.0	13,700 *	65
70	72.4	208.0	14,400	73.8	207.3	14,900	75.3	205.8	15,300	76.8	203.4	13,200 *	70
75	70.9	206.3	13,000	72.4	205.6	13,400	73.9	204.1	13,800	75.3	201.7	12,800 *	75
80	69.5	204.4	11,800	70.9	203.7	12,100	72.4	202.2	12,500	73.8	199.8	12,400 *	80
90	66.5	200.2	9,700	68.0	199.5	10,000	69.4	198.0	10,300	70.8	195.5	10,600	90
100	63.5	195.4	8,100	65.0	194.7	8,400	66.4	193.1	8,600	67.7	190.6	8,900	100
110	60.4	190.0	6,800	61.9	189.2	7,000	63.2	187.6	7,200	64.5	185.0	7,400	110
120	57.2	183.8	5,700	58.6	183.0	5,900	60.0	181.3	6,100	61.2	178.6	6,300	120
130	53.9	176.7	4,800	55.3	175.9	4,900	56.6	174.2	5,100				130
140	50.4	168.8	4,000	51.8	168.0	4,100	53.1	166.1	4,300				140
180 Ft. Boom													
45	79.9	224.7	20,000 *										45
50	78.5	223.7	20,000 *	80.0	223.1	20,000 *							50
55	77.2	222.6	20,000 *	78.7	222.0	20,000 *	80.1	220.5	20,000 *				55
60	75.9	221.4	17,800	77.3	220.7	18,300	78.8	219.2	18,900	80.2	216.9	14,300 *	60
65	74.5	220.0	15,900	76.0	219.3	16,300	77.4	217.8	16,800	78.8	215.4	13,900 *	65
70	73.2	218.5	14,200	74.6	217.8	14,600	76.0	216.3	15,100	77.4	213.9	13,400 *	70
75	71.8	216.8	12,800	73.2	216.2	13,200	74.6	214.7	13,600	76.0	212.2	13,000 *	75
80	70.4	215.1	11,500	71.9	214.4	11,900	73.3	212.9	12,300	74.6	210.4	12,600 *	80
90	67.6	211.1	9,500	69.1	210.4	9,800	70.4	208.9	10,100	71.8	206.4	10,400	90
100	64.8	206.6	7,900	66.2	205.9	8,200	67.6	204.3	8,400	68.9	201.7	8,700	100
110	61.9	201.4	6,600	63.3	200.7	6,800	64.6	199.1	7,000	65.9	196.5	7,300	110
120	58.9	195.6	5,500	60.2	194.9	5,700	61.6	193.2	5,900	62.8	190.5	6,100	120
130	55.8	189.1	4,600	57.1	188.3	4,700	58.4	186.6	4,900				130
140							55.1	179.1	4,100				140

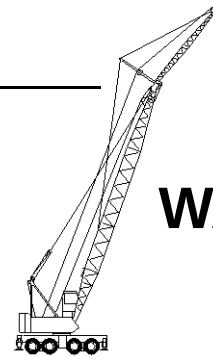


Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
360 Degree Static Rating On Rubber

Meets
ANSI B30.5
Requirements

**222
WAGON**



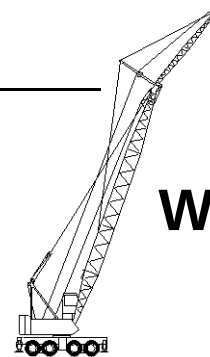
50 Ft. Fixed Jib

Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
70 Ft. Boom													
30	79.1	125.7	20,000 *										30
35	76.7	124.5	20,000 *	80.0	123.9	20,000 *							35
40	74.2	123.1	20,000 *	77.6	122.4	20,000 *	80.9	121.0	16,900 *				40
45	71.7	121.4	20,000 *	75.0	120.7	19,500 *	78.4	119.3	15,500 *				45
50	69.2	119.4	20,000 *	72.5	118.8	17,600 *	75.8	117.3	14,300 *	79.1	115.0	11,000 *	50
55	66.6	117.3	19,800 *	69.9	116.6	16,000 *	73.1	115.1	13,300 *	76.4	112.7	10,400 *	55
60	63.9	114.8	18,100 *	67.2	114.1	14,700 *	70.4	112.6	12,400 *	73.7	110.2	9,800 *	60
65	61.2	112.0	16,400 *	64.5	111.3	13,600 *	67.7	109.7	11,600 *	70.8	107.2	9,300 *	65
70	58.4	108.9	14,900 *	61.7	108.1	12,600 *	64.8	106.6	10,900 *	67.9	104.0	8,900 *	70
75	55.5	105.5	13,700 *	58.7	104.7	11,800 *	61.9	103.0	10,300 *	64.8	100.4	8,500 *	75
80	52.5	101.6	12,700 *	55.7	100.8	11,000 *	58.8	99.1	9,800 *	61.7	96.3	8,100 *	80
90	46.1	92.5	11,000 *	49.3	91.6	9,800 *	52.2	89.7	9,000 *				90
100	38.9	81.0	9,700 *										100
80 Ft. Boom													
30	80.0	136.0	20,000 *										30
35	77.7	134.8	20,000 *	80.8	134.1	20,000 *							35
40	75.5	133.5	20,000 *	78.5	132.8	20,000 *							40
45	73.2	132.0	20,000 *	76.2	131.3	20,000 *	79.3	129.8	16,000 *				45
50	70.8	130.2	20,000 *	73.9	129.5	18,700 *	77.0	128.0	14,800 *	80.0	125.6	11,300 *	50
55	68.5	128.2	20,000 *	71.5	127.5	17,000 *	74.6	126.0	13,800 *	77.6	123.5	10,600 *	55
60	66.1	125.9	19,500 *	69.1	125.2	15,600 *	72.1	123.7	12,900 *	75.1	121.2	10,100 *	60
65	63.6	123.4	18,000 *	66.6	122.7	14,500 *	69.6	121.1	12,100 *	72.5	118.6	9,600 *	65
70	61.1	120.7	16,400 *	64.1	119.9	13,500 *	67.1	118.3	11,400 *	69.9	115.7	9,100 *	70
75	58.5	117.6	15,000 *	61.5	116.8	12,600 *	64.4	115.1	10,800 *	67.2	112.4	8,700 *	75
80	55.9	114.2	13,900 *	58.9	113.3	11,800 *	61.7	111.6	10,300 *	64.4	108.9	8,400 *	80
90	50.3	106.3	12,000 *	53.2	105.4	10,500 *	56.0	103.5	9,400 *				90
100	44.2	96.5	10,400	47.0	95.5	9,500 *							100
110	37.3	84.3	9,000										110
90 Ft. Boom													
30	80.7	146.1	20,000 *										30
35	78.6	145.1	20,000 *										35
40	76.5	143.9	20,000 *	79.4	143.2	20,000 *							40
45	74.4	142.5	20,000 *	77.3	141.7	20,000 *	80.1	140.2	16,500 *				45
50	72.3	140.8	20,000 *	75.1	140.1	19,700 *	78.0	138.6	15,300 *	80.8	136.1	11,500 *	50
55	70.1	139.0	20,000 *	72.9	138.2	18,000 *	75.7	136.7	14,300 *	78.6	134.2	10,800 *	55
60	67.9	136.9	19,800 *	70.7	136.2	16,600 *	73.5	134.6	13,400 *	76.3	132.0	10,300 *	60
65	65.7	134.6	18,200	68.5	133.9	15,300 *	71.2	132.3	12,600 *	73.9	129.7	9,800 *	65
70	63.4	132.1	16,500	66.2	131.3	14,300 *	68.9	129.7	11,900 *	71.6	127.0	9,400 *	70
75	61.0	129.3	15,100	63.8	128.5	13,400 *	66.5	126.8	11,300 *	69.1	124.1	9,000 *	75
80	58.7	126.2	13,800	61.4	125.4	12,500 *	64.1	123.7	10,800 *	66.6	120.9	8,700 *	80
90	53.7	119.2	11,800	56.4	118.3	11,200 *	59.0	116.5	9,800 *	61.4	113.5	8,100 *	90
100	48.3	110.7	10,100	51.0	109.7	10,100 *	53.5	107.7	9,100 *				100
110	42.5	100.3	8,800	45.1	99.3	8,900							110
120	35.8	87.4	7,700										120

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
360 Degree Static Rating On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

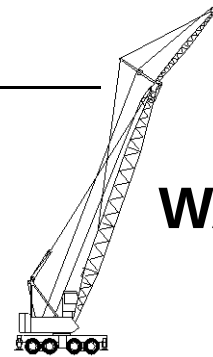
50 Ft. Fixed Jib

Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. Boom													
35	79.4	155.3	20,000 *										35
40	77.4	154.2	20,000 *	80.1	153.5	20,000 *							40
45	75.5	152.9	20,000 *	78.1	152.1	20,000 *	80.8	150.6	16,900 *				45
50	73.5	151.4	20,000 *	76.1	150.6	20,000 *	78.8	149.0	15,700 *				50
55	71.5	149.7	20,000 *	74.1	148.9	18,900 *	76.8	147.3	14,700 *	79.4	144.7	11,000 *	55
60	69.4	147.8	19,800 *	72.1	147.0	17,400 *	74.7	145.4	13,800 *	77.3	142.8	10,500 *	60
65	67.4	145.6	18,000	70.0	144.9	16,200 *	72.6	143.2	13,000 *	75.1	140.6	10,000 *	65
70	65.3	143.3	16,300	67.9	142.5	15,100 *	70.5	140.9	12,400 *	73.0	138.2	9,600 *	70
75	63.1	140.8	14,900	65.7	140.0	14,100 *	68.3	138.2	11,700 *	70.7	135.5	9,200 *	75
80	61.0	138.0	13,600	63.6	137.1	13,300 *	66.1	135.4	11,200 *	68.5	132.6	8,900 *	80
90	56.5	131.6	11,500	59.0	130.7	11,800 *	61.5	128.9	10,200 *	63.8	125.9	8,300 *	90
100	51.7	124.0	9,900	54.2	123.1	10,100	56.6	121.1	9,500 *				100
110	46.6	114.9	8,600	49.0	113.9	8,700	51.3	111.8	8,800 *				110
120	40.9	104.0	7,500	43.3	102.9	7,600							120
130	34.5	90.5	6,600										130
110 Ft. Boom													
35	80.1	165.5	20,000 *										35
40	78.2	164.5	20,000 *	80.7	163.7	20,000 *							40
45	76.4	163.2	20,000 *	78.9	162.5	20,000 *							45
50	74.5	161.8	20,000 *	77.0	161.1	19,900 *	79.5	159.4	16,100 *				50
55	72.7	160.2	20,000 *	75.2	159.5	19,500 *	77.6	157.8	15,100 *	80.1	155.2	11,200 *	55
60	70.8	158.5	19,700	73.3	157.7	18,300 *	75.7	156.0	14,200 *	78.2	153.4	10,700 *	60
65	68.9	156.5	17,700	71.3	155.7	17,000 *	73.8	154.0	13,500 *	76.2	151.4	10,200 *	65
70	66.9	154.4	16,100	69.4	153.6	15,800 *	71.8	151.9	12,800 *	74.2	149.1	9,800 *	70
75	65.0	152.0	14,600	67.4	151.2	14,800 *	69.8	149.5	12,100 *	72.1	146.7	9,400 *	75
80	63.0	149.4	13,400	65.4	148.6	13,700	67.8	146.8	11,600 *	70.0	144.0	9,100 *	80
90	58.8	143.6	11,300	61.2	142.7	11,500	63.5	140.9	10,600 *	65.7	137.9	8,500 *	90
100	54.5	136.7	9,700	56.9	135.8	9,900	59.1	133.8	9,800 *	61.2	130.7	8,000 *	100
110	49.9	128.6	8,300	52.2	127.6	8,500	54.4	125.5	8,700				110
120	45.0	119.0	7,200	47.3	118.0	7,400							120
130	39.5	107.5	6,300										130

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
360 Degree Static Rating On Rubber

Meets
ANSI B30.5
Requirements



222 WAGON

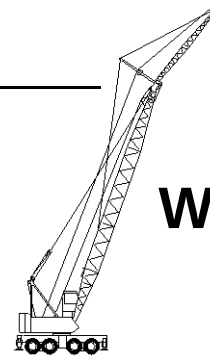
50 Ft. Fixed Jib

Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
120 Ft. Boom													
35	80.6	175.7	20,000 *										35
40	78.9	174.7	20,000 *										40
45	77.2	173.6	20,000 *	79.6	172.8	20,000 *							45
50	75.5	172.2	20,000 *	77.8	171.5	19,800 *	80.2	169.8	16,500 *				50
55	73.7	170.8	20,000 *	76.1	170.0	19,400 *	78.4	168.3	15,500 *	80.7	165.6	11,400 *	55
60	72.0	169.1	19,500	74.3	168.3	19,000 *	76.6	166.6	14,600 *	78.9	163.9	10,900 *	60
65	70.2	167.3	17,500	72.5	166.5	17,800 *	74.8	164.8	13,800 *	77.1	162.0	10,400 *	65
70	68.4	165.3	15,800	70.7	164.4	16,200	73.0	162.7	13,100 *	75.2	160.0	10,000 *	70
75	66.5	163.1	14,400	68.8	162.2	14,700	71.1	160.5	12,500 *	73.3	157.7	9,600 *	75
80	64.7	160.7	13,100	67.0	159.8	13,400	69.2	158.1	12,000 *	71.4	155.2	9,300 *	80
90	60.9	155.3	11,000	63.1	154.4	11,300	65.3	152.6	11,000 *	67.4	149.6	8,700 *	90
100	56.9	149.0	9,400	59.1	148.1	9,600	61.3	146.1	9,800	63.3	143.0	8,200 *	100
110	52.7	141.6	8,100	54.9	140.7	8,300	57.0	138.6	8,400				110
120	48.3	133.0	7,000	50.5	132.0	7,100	52.5	129.8	7,300				120
130	43.5	123.0	6,100	45.7	121.8	6,200							130
140	38.3	111.0	5,300										140
130 Ft. Boom													
40	79.6	184.9	20,000 *										40
45	77.9	183.8	20,000 *	80.2	183.0	19,900 *							45
50	76.3	182.6	20,000 *	78.5	181.8	19,600 *	80.8	180.1	16,800 *				50
55	74.7	181.2	20,000 *	76.9	180.4	19,300 *	79.1	178.7	15,800 *				55
60	73.0	179.7	19,200	75.2	178.8	18,900 *	77.4	177.1	15,000 *	79.6	174.4	11,000 *	60
65	71.3	177.9	17,200	73.5	177.1	17,700	75.7	175.4	14,200 *	77.8	172.6	10,600 *	65
70	69.6	176.1	15,500	71.8	175.2	15,900	74.0	173.5	13,500 *	76.1	170.7	10,200 *	70
75	67.9	174.0	14,100	70.1	173.2	14,500	72.2	171.4	12,900 *	74.3	168.6	9,800 *	75
80	66.2	171.8	12,900	68.3	170.9	13,200	70.5	169.1	12,300 *	72.5	166.3	9,500 *	80
90	62.6	166.8	10,800	64.8	165.9	11,100	66.9	164.0	11,300 *	68.9	161.1	8,900 *	90
100	59.0	160.9	9,200	61.1	160.0	9,400	63.1	158.1	9,600	65.0	155.0	8,400 *	100
110	55.1	154.2	7,800	57.2	153.2	8,000	59.2	151.2	8,200	61.1	148.0	7,900 *	110
120	51.1	146.4	6,700	53.2	145.4	6,900	55.1	143.2	7,100				120
130	46.8	137.3	5,800	48.9	136.3	6,000							130
140	42.2	126.8	5,000	44.2	125.6	5,200							140
150	37.1	114.3	4,300										150

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
360 Degree Static Rating On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

50 Ft. Fixed Jib

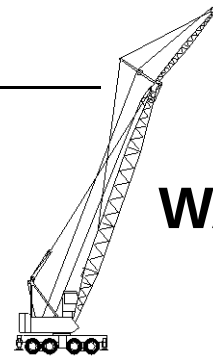
Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
140 Ft. Boom													
40	80.1	195.1	20,000 *										40
45	78.6	194.1	20,000 *	80.7	193.3	19,600 *							45
50	77.0	192.9	20,000 *	79.1	192.1	19,300 *							50
55	75.5	191.6	19,700 *	77.6	190.8	19,100 *	79.7	189.1	16,200 *				55
60	73.9	190.1	19,000	76.0	189.3	18,800 *	78.1	187.6	15,300 *	80.2	184.8	11,200 *	60
65	72.3	188.5	17,000	74.4	187.7	17,500	76.5	186.0	14,500 *	78.5	183.2	10,700 *	65
70	70.7	186.8	15,300	72.8	185.9	15,700	74.9	184.2	13,800 *	76.9	181.3	10,300 *	70
75	69.1	184.8	13,900	71.2	184.0	14,300	73.2	182.2	13,200 *	75.2	179.3	10,000 *	75
80	67.5	182.7	12,600	69.6	181.9	13,000	71.6	180.1	12,600 *	73.6	177.2	9,600 *	80
90	64.2	178.0	10,600	66.2	177.2	10,900	68.2	175.3	11,200	70.1	172.3	9,000 *	90
100	60.8	172.6	8,900	62.8	171.7	9,200	64.7	169.8	9,500	66.6	166.7	8,500 *	100
110	57.2	166.4	7,600	59.2	165.4	7,800	61.1	163.4	8,100	62.9	160.2	8,100 *	110
120	53.5	159.2	6,500	55.5	158.2	6,700	57.4	156.1	6,900				120
130	49.6	151.0	5,600	51.6	149.9	5,800	53.4	147.7	5,900				130
140	45.5	141.5	4,800	47.4	140.4	5,000							140
150	41.0	130.5	4,100	42.9	129.2	4,300							150
150 Ft. Boom													
40	80.6	205.3	20,000 *										40
45	79.2	204.3	20,000 *										45
50	77.7	203.2	19,600 *	79.7	202.4	19,000 *							50
55	76.2	202.0	19,300 *	78.2	201.1	18,800 *	80.2	199.4	16,500 *				55
60	74.7	200.6	18,700	76.7	199.7	18,500 *	78.7	198.0	15,600 *	80.7	195.2	11,300 *	60
65	73.2	199.1	16,700	75.2	198.2	17,200	77.2	196.4	14,900 *	79.1	193.6	10,900 *	65
70	71.7	197.4	15,100	73.7	196.5	15,500	75.7	194.8	14,200 *	77.6	191.9	10,500 *	70
75	70.2	195.6	13,600	72.2	194.7	14,000	74.1	192.9	13,500 *	76.0	190.0	10,100 *	75
80	68.7	193.6	12,400	70.7	192.7	12,800	72.6	190.9	13,000 *	74.5	188.0	9,800 *	80
90	65.6	189.2	10,300	67.5	188.3	10,700	69.4	186.4	11,000	71.2	183.4	9,200 *	90
100	62.4	184.1	8,700	64.3	183.2	9,000	66.2	181.3	9,300	67.9	178.2	8,700 *	100
110	59.1	178.3	7,400	61.0	177.3	7,600	62.8	175.3	7,900	64.5	172.1	8,100	110
120	55.6	171.6	6,300	57.5	170.6	6,500	59.3	168.6	6,700	60.9	165.2	6,900	120
130	52.1	164.0	5,400	53.9	163.0	5,600	55.7	160.8	5,700				130
140	48.3	155.4	4,600	50.1	154.3	4,700	51.8	152.0	4,900				140
150				46.1	144.3	4,000							150



Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
360 Degree Static Rating On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

50 Ft. Fixed Jib

Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom	Jib	Jib Capacity Pounds	Boom	Jib	Jib Capacity Pounds	Boom	Jib	Jib Capacity Pounds	Boom	Jib	Jib Capacity Pounds	
	Ang. Deg.	Point Elev. Feet		Ang. Deg.	Point Elev. Feet		Ang. Deg.	Point Elev. Feet		Ang. Deg.	Point Elev. Feet		
160 Ft. Boom													
45	79.7	214.5	19,400 *										45
50	78.3	213.5	19,200 *	80.2	212.6	18,700 *							50
55	76.9	212.3	18,900 *	78.8	211.4	18,500 *	80.7	209.7	16,800 *				55
60	75.5	211.0	18,500	77.4	210.1	18,200 *	79.3	208.4	15,900 *				60
65	74.1	209.5	16,500	76.0	208.7	17,000	77.8	206.9	15,200 *	79.7	204.0	11,000 *	65
70	72.6	207.9	14,800	74.5	207.1	15,300	76.4	205.3	14,500 *	78.2	202.4	10,600 *	70
75	71.2	206.2	13,400	73.1	205.4	13,800	74.9	203.5	13,800 *	76.8	200.6	10,300 *	75
80	69.8	204.4	12,100	71.6	203.5	12,500	73.5	201.7	12,900	75.3	198.7	9,900 *	80
90	66.8	200.2	10,100	68.7	199.3	10,400	70.5	197.4	10,800	72.2	194.4	9,300 *	90
100	63.8	195.4	8,400	65.6	194.5	8,700	67.4	192.6	9,000	69.1	189.5	8,800 *	100
110	60.7	189.9	7,100	62.5	189.0	7,400	64.3	187.0	7,600	65.9	183.8	7,900	110
120	57.5	183.7	6,000	59.3	182.7	6,300	61.0	180.7	6,500	62.6	177.4	6,700	120
130	54.2	176.7	5,100	56.0	175.7	5,300	57.6	173.5	5,500				130
140	50.7	168.7	4,300	52.5	167.7	4,500	54.1	165.4	4,700				140
170 Ft. Boom													
45	80.1	224.7	18,700 *										45
50	78.8	223.7	18,500 *	80.6	222.9	18,200 *							50
55	77.5	222.6	18,300 *	79.3	221.7	18,000 *							55
60	76.2	221.3	18,000 *	78.0	220.5	17,800 *	79.8	218.7	16,200 *				60
65	74.8	219.9	16,200	76.6	219.1	16,800	78.4	217.3	15,400 *	80.2	214.4	11,100 *	65
70	73.5	218.4	14,600	75.3	217.6	15,100	77.0	215.8	14,800 *	78.8	212.9	10,700 *	70
75	72.1	216.8	13,100	73.9	215.9	13,600	75.7	214.1	14,100 *	77.4	211.2	10,400 *	75
80	70.7	215.0	11,900	72.5	214.2	12,300	74.3	212.3	12,700	76.0	209.4	10,100 *	80
90	67.9	211.1	9,800	69.7	210.2	10,200	71.4	208.3	10,600	73.1	205.3	9,500 *	90
100	65.1	206.6	8,200	66.8	205.6	8,500	68.6	203.7	8,800	70.2	200.6	9,000 *	100
110	62.2	201.4	6,900	63.9	200.5	7,200	65.6	198.5	7,400	67.2	195.3	7,700	110
120	59.1	195.6	5,800	60.9	194.6	6,000	62.5	192.6	6,300	64.1	189.3	6,500	120
130	56.0	189.0	4,900	57.8	188.0	5,100	59.4	185.9	5,300	60.8	182.5	5,500	130
140	52.8	181.6	4,100	54.5	180.6	4,300	56.1	178.4	4,500				140

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
360 Degree Static Rating On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

60 Ft. Fixed Jib

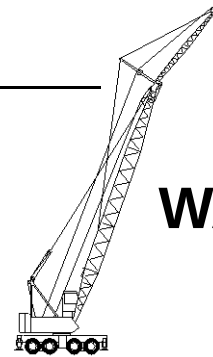
Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
70 Ft. Boom													
30	80.3	136.0	18,200 *										30
35	78.0	134.8	17,800 *										35
40	75.8	133.5	17,500 *	79.5	132.8	16,800 *							40
45	73.5	132.0	17,000 *	77.2	131.2	16,200 *	81.0	129.7	13,600 *				45
50	71.2	130.2	16,400 *	74.8	129.4	15,500 *	78.6	127.9	12,500 *				50
55	68.8	128.2	15,800 *	72.5	127.4	14,100 *	76.2	125.8	11,600 *	79.9	123.3	9,000 *	55
60	66.4	125.9	15,300 *	70.1	125.2	12,900 *	73.7	123.5	10,800 *	77.4	120.9	8,500 *	60
65	63.9	123.4	14,500 *	67.6	122.6	11,900 *	71.2	121.0	10,100 *	74.8	118.3	8,000 *	65
70	61.4	120.7	13,200 *	65.1	119.8	11,100 *	68.7	118.1	9,500 *	72.2	115.4	7,600 *	70
75	58.9	117.6	12,100 *	62.5	116.7	10,300 *	66.0	115.0	9,000 *	69.5	112.1	7,300 *	75
80	56.2	114.2	11,200 *	59.8	113.3	9,700 *	63.3	111.5	8,500 *	66.7	108.6	6,900 *	80
90	50.6	106.2	9,700 *	54.2	105.3	8,600 *	57.6	103.3	7,700 *	60.8	100.2	6,400 *	90
100	44.5	96.5	8,500 *	48.0	95.5	7,700 *	51.2	93.3	7,100 *				100
110	37.6	84.3	7,600 *										110
80 Ft. Boom													
30	81.0	146.1	17,900 *										30
35	78.9	145.1	17,600 *										35
40	76.8	143.9	17,300 *	80.3	143.1	16,800 *							40
45	74.7	142.4	17,000 *	78.1	141.7	16,300 *							45
50	72.6	140.8	16,600 *	76.0	140.0	15,800 *	79.5	138.4	12,900 *				50
55	70.4	139.0	16,000 *	73.8	138.2	14,900 *	77.2	136.5	12,000 *	80.7	133.8	9,200 *	55
60	68.2	136.9	15,500 *	71.6	136.1	13,700 *	75.0	134.4	11,200 *	78.4	131.7	8,700 *	60
65	66.0	134.6	15,000 *	69.3	133.8	12,700 *	72.7	132.1	10,500 *	76.1	129.3	8,200 *	65
70	63.7	132.1	14,400 *	67.0	131.3	11,800 *	70.4	129.5	9,900 *	73.7	126.7	7,800 *	70
75	61.3	129.3	13,200 *	64.7	128.4	11,000 *	68.0	126.6	9,400 *	71.3	123.7	7,500 *	75
80	58.9	126.2	12,200 *	62.3	125.4	10,300 *	65.6	123.5	8,900 *	68.8	120.5	7,200 *	80
90	54.0	119.2	10,500 *	57.3	118.2	9,100 *	60.5	116.3	8,100 *	63.5	113.1	6,600 *	90
100	48.6	110.7	9,300 *	51.9	109.7	8,200 *	54.9	107.5	7,400 *				100
110	42.8	100.3	8,300 *	45.9	99.2	7,500 *							110
120	36.1	87.4	7,400 *										120
90 Ft. Boom													
35	79.7	155.3	17,400 *										35
40	77.7	154.2	17,200 *	80.9	153.4	16,700 *							40
45	75.7	152.9	16,900 *	79.0	152.1	16,300 *							45
50	73.8	151.4	16,600 *	77.0	150.5	15,900 *	80.2	148.8	13,300 *				50
55	71.8	149.7	16,200 *	74.9	148.8	15,500 *	78.2	147.1	12,400 *				55
60	69.7	147.7	15,700 *	72.9	146.9	14,400 *	76.1	145.2	11,600 *	79.3	142.3	8,800 *	60
65	67.7	145.6	15,200 *	70.8	144.8	13,300 *	74.0	143.0	10,900 *	77.1	140.1	8,400 *	65
70	65.6	143.3	14,800 *	68.7	142.4	12,400 *	71.8	140.6	10,300 *	74.9	137.7	8,000 *	70
75	63.4	140.8	14,300 *	66.6	139.9	11,600 *	69.7	138.0	9,700 *	72.7	135.1	7,700 *	75
80	61.2	138.0	13,200 *	64.4	137.1	10,900 *	67.4	135.2	9,200 *	70.4	132.1	7,300 *	80
90	56.7	131.6	11,400 *	59.8	130.6	9,700 *	62.8	128.6	8,400 *	65.7	125.4	6,800 *	90
100	52.0	124.0	10,000 *	55.0	123.0	8,700 *	57.9	120.8	7,700 *	60.7	117.4	6,300 *	100
110	46.8	114.9	8,900 *	49.8	113.8	7,900 *	52.6	111.5	7,200 *				110
120	41.2	104.0	7,800 *	44.1	102.8	7,300 *							120
130	34.8	90.4	6,800 *										130



Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
 Boom No. 222 With Open Throat Top
 53,300 Lb. Counterweight
 360 Degree Static Rating On Rubber

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

60 Ft. Fixed Jib

Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
100 Ft. Boom													
35	80.3	165.5	17,200 *										35
40	78.5	164.5	17,000 *										40
45	76.7	163.2	16,700 *	79.7	162.4	16,300 *							45
50	74.8	161.8	16,400 *	77.8	161.0	15,900 *	80.8	159.2	13,600 *				50
55	72.9	160.2	16,100 *	75.9	159.4	15,500 *	78.9	157.6	12,700 *				55
60	71.0	158.5	15,800 *	74.0	157.6	15,100 *	77.0	155.8	11,900 *	80.0	152.9	9,000 *	60
65	69.1	156.5	15,300 *	72.1	155.6	14,000 *	75.1	153.8	11,200 *	78.0	150.9	8,600 *	65
70	67.2	154.4	14,900 *	70.1	153.5	13,000 *	73.1	151.6	10,600 *	76.0	148.6	8,200 *	70
75	65.2	152.0	14,500 *	68.2	151.1	12,200 *	71.1	149.2	10,100 *	74.0	146.2	7,800 *	75
80	63.2	149.4	13,700	66.1	148.5	11,400 *	69.0	146.6	9,600 *	71.9	143.5	7,500 *	80
90	59.1	143.6	11,600	62.0	142.6	10,200 *	64.8	140.6	8,700 *	67.5	137.4	7,000 *	90
100	54.8	136.7	10,000	57.6	135.7	9,200 *	60.4	133.6	8,000 *	63.0	130.1	6,500 *	100
110	50.2	128.6	8,600	53.0	127.5	8,400 *	55.7	125.2	7,400 *				110
120	45.2	119.0	7,500	48.0	117.8	7,700 *							120
130	39.8	107.5	6,600										130
110 Ft. Boom													
35	80.9	175.7	16,900 *										35
40	79.2	174.7	16,700 *										40
45	77.5	173.5	16,500 *	80.3	172.7	16,200 *							45
50	75.7	172.2	16,200 *	78.5	171.4	15,800 *							50
55	74.0	170.7	15,900 *	76.8	169.9	15,500 *	79.6	168.0	13,000 *				55
60	72.2	169.1	15,700 *	75.0	168.2	15,200 *	77.8	166.4	12,200 *	80.7	163.4	9,100 *	60
65	70.4	167.3	15,400 *	73.2	166.4	14,600 *	76.0	164.5	11,500 *	78.8	161.5	8,700 *	65
70	68.6	165.3	15,000 *	71.4	164.4	13,600 *	74.2	162.5	10,900 *	76.9	159.4	8,300 *	70
75	66.8	163.1	14,600 *	69.6	162.1	12,800 *	72.3	160.2	10,400 *	75.0	157.1	8,000 *	75
80	64.9	160.7	13,400	67.7	159.7	12,000 *	70.4	157.8	9,900 *	73.1	154.6	7,700 *	80
90	61.1	155.3	11,400	63.8	154.3	10,700 *	66.5	152.3	9,000 *	69.1	149.0	7,100 *	90
100	57.1	149.0	9,700	59.8	148.0	9,700 *	62.5	145.8	8,300 *	65.0	142.4	6,700 *	100
110	53.0	141.6	8,400	55.6	140.5	8,600	58.2	138.3	7,700 *	60.6	134.7	6,300 *	110
120	48.5	133.0	7,300	51.2	131.9	7,500	53.7	129.5	7,200 *				120
130	43.8	123.0	6,400	46.4	121.7	6,500							130
140	38.5	110.9	5,600										140

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
360 Degree Static Rating On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

60 Ft. Fixed Jib

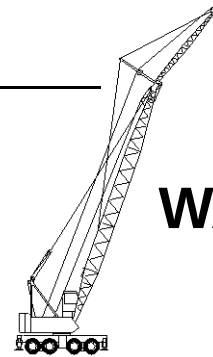
Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
120 Ft. Boom													
40	79.8	184.9	16,400 *										40
45	78.2	183.8	16,200 *	80.8	182.9	16,100 *							45
50	76.5	182.6	16,000 *	79.2	181.7	15,800 *							50
55	74.9	181.2	15,800 *	77.5	180.3	15,400 *	80.2	178.4	13,300 *				55
60	73.2	179.6	15,500 *	75.9	178.7	15,100 *	78.5	176.8	12,500 *				60
65	71.5	177.9	15,300 *	74.2	177.0	14,800 *	76.8	175.1	11,800 *	79.5	172.0	8,800 *	65
70	69.9	176.0	15,000 *	72.5	175.1	14,200 *	75.1	173.2	11,200 *	77.7	170.1	8,400 *	70
75	68.1	174.0	14,400	70.8	173.1	13,300 *	73.4	171.1	10,700 *	75.9	168.0	8,100 *	75
80	66.4	171.8	13,200	69.0	170.8	12,500 *	71.6	168.8	10,200 *	74.1	165.6	7,800 *	80
90	62.9	166.7	11,100	65.5	165.8	11,200 *	68.0	163.7	9,300 *	70.5	160.4	7,300 *	90
100	59.2	160.9	9,500	61.8	159.9	9,700	64.3	157.8	8,600 *	66.6	154.3	6,800 *	100
110	55.4	154.2	8,100	57.9	153.1	8,400	60.3	150.9	8,000 *	62.6	147.3	6,400 *	110
120	51.3	146.4	7,000	53.9	145.2	7,200	56.2	142.9	7,400				120
130	47.1	137.3	6,100	49.5	136.1	6,300	51.8	133.6	6,400				130
140	42.5	126.8	5,300	44.9	125.5	5,500							140
150	37.4	114.2	4,600										150
130 Ft. Boom													
40	80.3	195.1	16,100 *										40
45	78.8	194.1	15,900 *										45
50	77.3	192.9	15,700 *	79.8	192.0	15,600 *							50
55	75.7	191.6	15,500 *	78.2	190.7	15,300 *	80.8	188.8	13,500 *				55
60	74.1	190.1	15,300 *	76.7	189.2	15,000 *	79.2	187.3	12,800 *				60
65	72.6	188.5	15,100 *	75.1	187.6	14,800 *	77.6	185.6	12,100 *	80.1	182.5	8,900 *	65
70	71.0	186.7	14,800 *	73.5	185.8	14,500 *	76.0	183.8	11,500 *	78.4	180.7	8,600 *	70
75	69.4	184.8	14,200	71.8	183.9	13,900 *	74.3	181.9	10,900 *	76.8	178.7	8,200 *	75
80	67.7	182.7	12,900	70.2	181.8	13,100 *	72.7	179.8	10,400 *	75.1	176.5	7,900 *	80
90	64.4	178.0	10,900	66.9	177.0	11,200	69.3	175.0	9,600 *	71.6	171.6	7,400 *	90
100	61.0	172.6	9,200	63.4	171.6	9,500	65.8	169.4	8,800 *	68.1	166.0	7,000 *	100
110	57.4	166.3	7,900	59.9	165.3	8,200	62.2	163.1	8,200 *	64.4	159.5	6,600 *	110
120	53.7	159.2	6,800	56.1	158.1	7,000	58.4	155.7	7,200	60.5	152.0	6,200 *	120
130	49.9	150.9	5,900	52.2	149.8	6,100	54.4	147.3	6,200				130
140	45.7	141.5	5,100	48.0	140.2	5,300							140
150	41.2	130.5	4,400	43.5	129.1	4,500							150



Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
 Boom No. 222 With Open Throat Top
 53,300 Lb. Counterweight
 360 Degree Static Rating On Rubber

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

60 Ft. Fixed Jib

Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
140 Ft. Boom													
40	80.8	205.3	15,800 *										40
45	79.4	204.3	15,500 *										45
50	77.9	203.2	15,400 *	80.3	202.3	15,500 *							50
55	76.4	201.9	15,200 *	78.8	201.0	15,200 *							55
60	74.9	200.6	15,000 *	77.3	199.6	14,900 *	79.8	197.7	13,000 *				60
65	73.5	199.0	14,800 *	75.8	198.1	14,700 *	78.2	196.1	12,300 *	80.6	192.9	9,000 *	65
70	72.0	197.4	14,600 *	74.3	196.4	14,400 *	76.7	194.4	11,700 *	79.1	191.2	8,700 *	70
75	70.4	195.5	14,000	72.8	194.6	14,100 *	75.2	192.6	11,200 *	77.5	189.3	8,400 *	75
80	68.9	193.6	12,700	71.3	192.6	13,100	73.6	190.6	10,700 *	75.9	187.3	8,100 *	80
90	65.8	189.2	10,600	68.1	188.2	11,000	70.4	186.1	9,800 *	72.7	182.7	7,500 *	90
100	62.6	184.1	9,000	64.9	183.0	9,300	67.2	180.9	9,100 *	69.3	177.4	7,100 *	100
110	59.3	178.2	7,700	61.6	177.2	8,000	63.8	175.0	8,200	65.9	171.4	6,700 *	110
120	55.8	171.6	6,600	58.1	170.5	6,800	60.3	168.2	7,100	62.3	164.4	6,400 *	120
130	52.3	164.0	5,700	54.5	162.9	5,900	56.6	160.4	6,100				130
140	48.5	155.4	4,900	50.7	154.2	5,100	52.8	151.6	5,200				140
150	44.5	145.5	4,200	46.7	144.2	4,300							150
150 Ft. Boom													
45	79.9	214.5	15,200 *										45
50	78.5	213.5	15,000 *	80.8	212.5	15,200 *							50
55	77.1	212.3	14,800 *	79.4	211.3	15,100 *							55
60	75.7	211.0	14,700 *	78.0	210.0	14,800 *	80.3	208.0	13,200 *				60
65	74.3	209.5	14,500 *	76.5	208.5	14,500 *	78.8	206.5	12,600 *				65
70	72.8	207.9	14,300 *	75.1	207.0	14,300 *	77.4	204.9	12,000 *	79.6	201.7	8,800 *	70
75	71.4	206.2	13,700	73.7	205.2	14,100 *	75.9	203.2	11,400 *	78.1	199.9	8,500 *	75
80	70.0	204.3	12,500	72.2	203.4	12,900	74.4	201.3	10,900 *	76.6	198.0	8,200 *	80
90	67.0	200.2	10,400	69.2	199.2	10,800	71.4	197.1	10,100 *	73.6	193.7	7,600 *	90
100	64.0	195.4	8,800	66.2	194.3	9,100	68.4	192.2	9,300 *	70.5	188.7	7,200 *	100
110	60.9	189.9	7,500	63.1	188.8	7,700	65.2	186.6	8,000	67.2	183.0	6,800 *	110
120	57.7	183.7	6,400	59.9	182.6	6,600	62.0	180.3	6,900	63.9	176.6	6,500 *	120
130	54.4	176.7	5,400	56.5	175.5	5,700	58.6	173.1	5,900				130
140	50.9	168.7	4,600	53.0	167.5	4,800	55.0	165.0	5,000				140
150	47.2	159.7	4,000	49.3	158.4	4,100	51.3	155.7	4,300				150

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
 Boom No. 222 With Open Throat Top
 53,300 Lb. Counterweight
 360 Degree Static Rating On Rubber

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

60 Ft. Fixed Jib

Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	
160 Ft. Boom													
45	80.3	224.7	14,800 *										45
50	79.0	223.7	14,600 *										50
55	77.7	222.6	14,500 *	79.9	221.6	14,700 *							55
60	76.3	221.3	14,300 *	78.5	220.3	14,600 *	80.7	218.3	13,400 *				60
65	75.0	219.9	14,200 *	77.2	219.0	14,400 *	79.4	216.9	12,800 *				65
70	73.6	218.4	14,000 *	75.8	217.5	14,100 *	78.0	215.4	12,200 *	80.1	212.1	8,900 *	70
75	72.3	216.8	13,500	74.4	215.8	13,900 *	76.6	213.7	11,700 *	78.7	210.4	8,600 *	75
80	70.9	215.0	12,200	73.1	214.0	12,700	75.2	212.0	11,200 *	77.3	208.6	8,300 *	80
90	68.1	211.1	10,200	70.3	210.1	10,600	72.4	207.9	10,300 *	74.4	204.5	7,800 *	90
100	65.3	206.5	8,500	67.4	205.5	8,900	69.5	203.3	9,200	71.5	199.8	7,300 *	100
110	62.3	201.4	7,200	64.5	200.3	7,500	66.5	198.1	7,800	68.4	194.5	6,900 *	110
120	59.3	195.6	6,100	61.4	194.5	6,400	63.4	192.2	6,600	65.3	188.5	6,600 *	120
130	56.2	189.0	5,200	58.3	187.9	5,400	60.3	185.5	5,700	62.1	181.6	5,900	130
140	53.0	181.6	4,400	55.1	180.4	4,600	57.0	177.9	4,800				140
150							53.5	169.4	4,100				150
170 Ft. Boom													
45	80.8	234.9	14,300 *										45
50	79.5	233.9	14,100 *										50
55	78.2	232.8	14,000 *	80.3	231.9	14,300 *							55
60	77.0	231.6	13,900 *	79.0	230.7	14,200 *							60
65	75.7	230.3	13,700 *	77.8	229.3	14,200 *	79.8	227.3	13,000 *				65
70	74.4	228.9	13,600 *	76.5	227.9	14,000 *	78.5	225.8	12,400 *	80.6	222.5	8,900 *	70
75	73.1	227.3	13,200	75.1	226.3	13,800 *	77.2	224.2	11,900 *	79.2	220.9	8,600 *	75
80	71.8	225.6	12,000	73.8	224.6	12,500	75.9	222.5	11,400 *	77.9	219.2	8,400 *	80
90	69.1	221.9	9,900	71.2	220.9	10,300	73.2	218.7	10,500 *	75.2	215.3	7,900 *	90
100	66.4	217.6	8,300	68.4	216.6	8,700	70.4	214.4	9,000	72.4	210.9	7,400 *	100
110	63.6	212.7	7,000	65.7	211.7	7,300	67.6	209.4	7,600	69.5	205.8	7,000 *	110
120	60.8	207.2	5,900	62.8	206.1	6,200	64.8	203.8	6,400	66.6	200.1	6,700 *	120
130	57.9	201.1	4,900	59.9	199.9	5,200	61.8	197.5	5,500	63.5	193.7	5,700	130
140	54.9	194.1	4,100	56.9	193.0	4,400	58.7	190.5	4,600				140