

Liftcrane Jib Capacities

**Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
53,300 Lb. Counterweight
Pick and Carry Rating Over End On Rubber**

**Meets
ANSI B30.5
Requirements**



**222
WAGON**

LIFTING CAPACITIES: Chart supplements boom capacity chart **No. 9187-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**, 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 Weights 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. 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.			

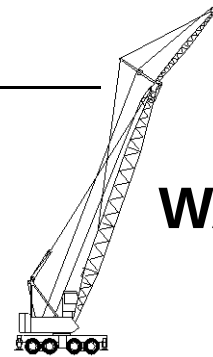


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30 Ft. Fixed Jib

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	19,600	55.5	87.6	19,800	57.6	86.6	17,000 *				65
70	49.5	84.0	17,900	51.8	83.5	18,000	53.9	82.5	16,100 *				70
75	45.6	79.3	16,300	47.9	78.9	16,400	49.9	77.7	15,300 *				75
80	41.4	74.0	15,000	43.7	73.5	15,100							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	19,300	59.1	99.9	19,500	61.1	98.9	18,000 *	63.0	97.1	14,200 *	65
70	53.8	96.8	17,600	55.9	96.4	17,700	57.9	95.3	17,000 *	59.7	93.5	13,700 *	70
75	50.5	92.9	16,000	52.6	92.4	16,200	54.5	91.3	16,200 *				75
80	47.0	88.4	14,700	49.1	87.9	14,800	51.0	86.8	14,900				80
90	39.4	77.6	12,500	41.4	77.1	12,600							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	19,100	61.9	111.7	19,300	63.8	110.7	19,000 *	65.6	108.9	14,700 *	65
70	57.2	109.0	17,300	59.1	108.6	17,500	61.0	107.5	17,600	62.7	105.7	14,200 *	70
75	54.3	105.5	15,800	56.3	105.1	15,900	58.1	104.0	16,100	59.7	102.1	13,600 *	75
80	51.3	101.7	14,500	53.2	101.2	14,600	55.0	100.1	14,700				80
90	44.9	92.6	12,300	46.8	92.1	12,400							90
100	37.7	81.1	10,600										100

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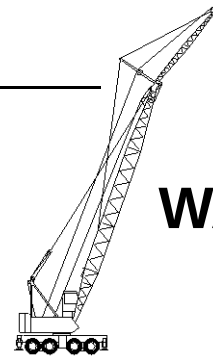
Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib 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	20,000 *	66.8	125.6	20,000 *	68.5	124.6	20,000 *	70.2	122.9	15,900 *	60
65	62.5	123.5	18,800	64.3	123.1	19,100	66.0	122.1	19,300	67.7	120.4	15,200 *	65
70	60.0	120.7	17,100	61.8	120.3	17,300	63.5	119.3	17,500	65.2	117.5	14,600 *	70
75	57.4	117.7	15,600	59.2	117.2	15,700	60.9	116.2	15,900	62.5	114.3	14,100 *	75
80	54.8	114.3	14,200	56.6	113.8	14,400	58.2	112.7	14,500	59.8	110.8	13,600 *	80
90	49.2	106.4	12,100	50.9	105.9	12,200	52.5	104.7	12,300				90
100	43.1	96.6	10,300	44.8	96.1	10,400							100
110	36.2	84.4	9,000										110
110 Ft. Boom													
30	79.6	146.2	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	20,000 *	68.5	136.6	20,000 *	70.2	135.6	20,000 *	71.8	133.9	16,300 *	60
65	64.6	134.7	18,600	66.3	134.3	18,800	67.9	133.3	19,100	69.5	131.6	15,600 *	65
70	62.3	132.2	16,800	64.0	131.8	17,000	65.6	130.7	17,200	67.2	129.0	15,100 *	70
75	60.0	129.4	15,300	61.7	129.0	15,500	63.3	127.9	15,700	64.8	126.1	14,500 *	75
80	57.6	126.3	14,000	59.3	125.9	14,200	60.8	124.8	14,300	62.3	122.9	14,000 *	80
90	52.6	119.3	11,800	54.3	118.8	12,000	55.8	117.7	12,100				90
100	47.3	110.8	10,100	48.9	110.3	10,200	50.4	109.0	10,300				100
110	41.4	100.5	8,700	43.0	99.9	8,800							110
120	34.8	87.6	7,600										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	20,000 *	70.0	147.4	20,000 *	71.6	146.4	20,000 *	73.1	144.7	16,700 *	60
65	66.4	145.7	18,300	68.0	145.3	18,600	69.5	144.3	18,800	71.0	142.6	16,000 *	65
70	64.3	143.4	16,500	65.9	143.0	16,800	67.4	142.0	17,000	68.9	140.2	15,400 *	70
75	62.2	140.9	15,000	63.7	140.4	15,200	65.2	139.4	15,400	66.7	137.6	14,900 *	75
80	60.0	138.1	13,700	61.6	137.6	13,900	63.0	136.6	14,100	64.4	134.7	14,300	80
90	55.5	131.7	11,500	57.0	131.2	11,700	58.5	130.1	11,900	59.8	128.1	12,000	90
100	50.7	124.1	9,800	52.2	123.6	10,000	53.6	122.4	10,100				100
110	45.6	115.1	8,400	47.1	114.5	8,500							110
120	40.0	104.1	7,300	41.4	103.5	7,400							120
130	33.6	90.6	6,300										130

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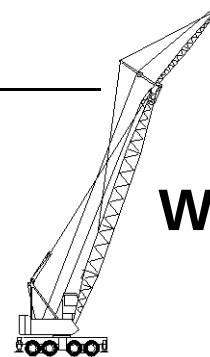
30 Ft. Fixed Jib

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	20,000 *	71.4	158.2	20,000 *	72.8	157.2	20,000 *	74.2	155.4	17,100 *	60
65	67.9	156.6	18,000	69.4	156.2	18,300	70.9	155.2	18,600	72.3	153.4	16,400 *	65
70	66.0	154.5	16,300	67.5	154.0	16,500	68.9	153.0	16,800	70.3	151.2	15,800 *	70
75	64.0	152.1	14,800	65.5	151.7	15,000	66.9	150.6	15,200	68.3	148.8	15,300 *	75
80	62.0	149.5	13,500	63.5	149.1	13,700	64.9	148.0	13,900	66.2	146.2	14,100	80
90	57.9	143.7	11,300	59.4	143.2	11,500	60.7	142.1	11,600	62.0	140.2	11,800	90
100	53.6	136.8	9,600	55.0	136.3	9,700	56.3	135.2	9,900				100
110	49.0	128.7	8,200	50.4	128.2	8,300	51.7	126.9	8,400				110
120	44.1	119.1	7,100	45.5	118.6	7,200							120
130	38.6	107.7	6,100										130
140	32.5	93.5	5,300										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	19,900	72.5	168.8	20,000 *	73.9	167.8	20,000 *	75.2	166.0	17,400 *	60
65	69.3	167.4	17,800	70.7	166.9	18,100	72.1	165.9	18,400	73.4	164.2	16,700 *	65
70	67.5	165.4	16,100	68.9	164.9	16,300	70.2	163.9	16,600	71.6	162.1	16,200 *	70
75	65.7	163.2	14,500	67.1	162.7	14,800	68.4	161.7	15,000	69.7	159.9	15,300	75
80	63.8	160.8	13,200	65.2	160.3	13,500	66.5	159.3	13,700	67.8	157.5	13,900	80
90	60.0	155.4	11,100	61.4	154.9	11,300	62.7	153.8	11,400	63.9	151.9	11,600	90
100	56.0	149.1	9,400	57.4	148.6	9,500	58.7	147.5	9,700	59.8	145.5	9,800	100
110	51.9	141.7	8,000	53.2	141.2	8,100	54.4	140.0	8,200				110
120	47.4	133.2	6,800	48.8	132.6	7,000	50.0	131.3	7,100				120
130	42.7	123.1	5,900	44.0	122.5	6,000							130
140	37.4	111.1	5,100										140

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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	19,600	73.5	179.3	20,000 *	74.8	178.3	20,000 *	76.1	176.6	17,700 *	60
65	70.5	178.0	17,600	71.8	177.6	17,900	73.1	176.6	18,200	74.4	174.8	17,100 *	65
70	68.8	176.2	15,800	70.1	175.7	16,100	71.4	174.7	16,400	72.7	172.9	16,500 *	70
75	67.1	174.1	14,300	68.4	173.7	14,500	69.7	172.6	14,800	70.9	170.8	15,000	75
80	65.4	171.9	13,000	66.7	171.4	13,200	67.9	170.4	13,500	69.1	168.6	13,700	80
90	61.8	166.9	10,800	63.1	166.4	11,000	64.3	165.3	11,200	65.5	163.4	11,400	90
100	58.1	161.0	9,100	59.4	160.6	9,300	60.6	159.4	9,500	61.8	157.5	9,600	100
110	54.3	154.3	7,700	55.6	153.8	7,900	56.8	152.6	8,000				110
120	50.3	146.5	6,600	51.6	146.0	6,700	52.7	144.7	6,800				120
130	46.0	137.5	5,600	47.3	136.9	5,700							130
140	41.4	126.9	4,800	42.7	126.3	4,900							140
150	36.4	114.4	4,100										150
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	19,400	74.4	189.8	19,700	75.6	188.8	20,000 *	76.9	187.1	18,000 *	60
65	71.6	188.6	17,300	72.8	188.2	17,600	74.0	187.2	17,900	75.3	185.4	17,300 *	65
70	70.0	186.9	15,500	71.2	186.4	15,800	72.4	185.4	16,100	73.6	183.6	16,400	70
75	68.4	184.9	14,000	69.6	184.5	14,300	70.8	183.5	14,600	72.0	181.7	14,800	75
80	66.7	182.8	12,700	68.0	182.4	13,000	69.2	181.3	13,200	70.3	179.5	13,500	80
90	63.4	178.1	10,600	64.7	177.7	10,800	65.8	176.6	11,000	67.0	174.7	11,200	90
100	60.0	172.7	8,900	61.2	172.2	9,000	62.4	171.1	9,200	63.5	169.2	9,400	100
110	56.5	166.5	7,500	57.7	166.0	7,600	58.8	164.8	7,800	59.8	162.8	7,900	110
120	52.8	159.3	6,300	54.0	158.8	6,500	55.1	157.6	6,600				120
130	48.9	151.1	5,400	50.1	150.5	5,500	51.1	149.2	5,600				130
140	44.7	141.6	4,500	45.9	141.0	4,700							140

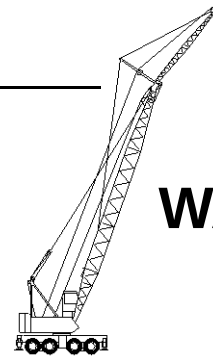


Liftcrane Jib Capacities

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

Pick and Carry Rating Over End 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	19,100	75.2	200.2	19,500	76.4	199.2	19,900	77.6	197.5	18,200 *	60
65	72.5	199.1	17,000	73.7	198.7	17,400	74.9	197.7	17,700	76.0	195.9	17,600 *	65
70	71.0	197.5	15,300	72.2	197.0	15,600	73.4	196.0	15,900	74.5	194.2	16,200	70
75	69.5	195.7	13,800	70.7	195.2	14,100	71.8	194.2	14,300	73.0	192.4	14,600	75
80	68.0	193.7	12,500	69.1	193.3	12,700	70.3	192.2	13,000	71.4	190.4	13,300	80
90	64.8	189.3	10,300	66.0	188.8	10,500	67.1	187.7	10,800	68.2	185.9	11,000	90
100	61.6	184.2	8,600	62.8	183.7	8,800	63.9	182.6	9,000	65.0	180.7	9,200	100
110	58.3	178.4	7,200	59.5	177.9	7,400	60.6	176.7	7,600	61.6	174.7	7,700	110
120	54.9	171.7	6,100	56.1	171.2	6,200	57.1	170.0	6,400				120
130	51.3	164.1	5,100	52.5	163.6	5,300	53.5	162.4	5,400				130
140	47.6	155.5	4,300	48.7	155.0	4,400	49.7	153.6	4,500				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	18,800	75.9	210.6	19,200	77.0	209.6	19,600	78.2	207.9	18,500 *	60
65	73.4	209.6	16,800	74.5	209.2	17,100	75.6	208.2	17,500	76.7	206.4	17,900 *	65
70	71.9	208.0	15,000	73.1	207.6	15,400	74.2	206.6	15,700	75.3	204.8	16,000	70
75	70.5	206.3	13,500	71.6	205.9	13,800	72.7	204.8	14,100	73.8	203.0	14,400	75
80	69.1	204.5	12,200	70.2	204.0	12,500	71.3	203.0	12,800	72.4	201.1	13,100	80
90	66.1	200.3	10,100	67.2	199.8	10,300	68.3	198.8	10,600	69.4	196.9	10,800	90
100	63.1	195.5	8,400	64.2	195.0	8,600	65.3	193.9	8,800	66.3	192.0	9,000	100
110	60.0	190.0	7,000	61.1	189.6	7,200	62.1	188.4	7,400	63.1	186.5	7,500	110
120	56.8	183.8	5,900	57.9	183.3	6,000	58.9	182.2	6,200	59.9	180.1	6,300	120
130	53.5	176.8	4,900	54.6	176.3	5,000	55.6	175.1	5,200				130
140	50.0	168.9	4,100	51.1	168.3	4,200	52.1	167.0	4,300				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
Pick and Carry Rating Over End 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	19,100 *	60.5	99.6	16,000 *	63.2	98.3	13,800 *	65.9	96.1	11,100 *	65
70	54.6	96.7	17,400 *	57.3	96.1	14,800 *	60.0	94.7	13,000 *	62.5	92.4	10,600 *	70
75	51.3	92.8	16,000 *	54.0	92.1	13,900 *	56.6	90.7	12,300 *				75
80	47.8	88.4	14,800 *	50.5	87.7	13,000 *	53.1	86.1	11,700 *				80
90	40.2	77.6	12,800 *	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	19,500	63.3	111.4	17,100 *	65.8	110.1	14,500 *	68.2	107.8	11,400 *	65
70	57.9	108.9	17,700	60.5	108.3	15,900 *	62.9	106.9	13,700 *	65.3	104.6	11,000 *	70
75	55.0	105.5	16,200	57.6	104.8	14,900 *	60.0	103.4	13,000 *	62.3	101.0	10,500 *	75
80	52.0	101.6	14,800	54.5	101.0	14,000 *	56.9	99.4	12,400 *				80
90	45.6	92.6	12,700	48.1	91.8	12,500 *							90
100	38.4	81.0	10,900										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	19,200	65.5	122.8	18,300 *	67.9	121.5	15,100 *	70.2	119.2	11,800 *	65
70	60.7	120.7	17,400	63.0	120.0	17,000 *	65.3	118.6	14,300 *	67.6	116.3	11,300 *	70
75	58.1	117.6	15,900	60.4	116.9	15,900 *	62.7	115.5	13,600 *	64.9	113.1	10,900 *	75
80	55.4	114.2	14,600	57.8	113.5	14,800	60.0	112.0	13,000 *	62.1	109.6	10,500 *	80
90	49.8	106.3	12,400	52.1	105.6	12,600	54.3	103.9	11,900 *				90
100	43.7	96.6	10,700	46.0	95.7	10,800							100
110	36.8	84.3	9,300										110

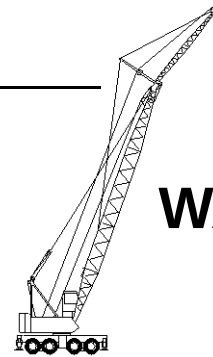


Liftcrane Jib Capacities

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

Pick and Carry Rating Over End 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	20,000 *	69.7	136.3	20,000 *	71.9	135.0	16,700 *	74.1	132.8	12,700 *	60
65	65.2	134.7	19,000	67.4	134.0	19,300	69.6	132.7	15,700 *	71.8	130.4	12,100 *	65
70	62.9	132.1	17,200	65.1	131.5	17,500	67.3	130.1	14,900 *	69.4	127.8	11,600 *	70
75	60.6	129.3	15,700	62.8	128.7	15,900	64.9	127.2	14,200 *	67.0	124.9	11,200 *	75
80	58.2	126.3	14,400	60.4	125.6	14,600	62.5	124.1	13,500 *	64.5	121.7	10,800 *	80
90	53.2	119.2	12,200	55.4	118.5	12,400	57.4	116.9	12,400 *				90
100	47.9	110.7	10,500	50.0	109.9	10,600	52.0	108.2	10,700				100
110	42.0	100.4	9,100	44.1	99.5	9,200							110
120	35.4	87.5	7,900										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	20,000 *	71.1	147.2	20,000 *	73.2	145.8	17,200 *	75.2	143.5	12,900 *	60
65	67.0	145.7	18,700	69.0	145.0	19,000	71.1	143.7	16,300 *	73.1	141.4	12,400 *	65
70	64.9	143.4	17,000	66.9	142.7	17,200	69.0	141.3	15,500 *	70.9	139.0	11,900 *	70
75	62.7	140.8	15,400	64.8	140.1	15,700	66.8	138.7	14,700 *	68.7	136.3	11,500 *	75
80	60.6	138.0	14,100	62.6	137.3	14,400	64.6	135.9	14,100 *	66.5	133.4	11,100 *	80
90	56.1	131.6	12,000	58.1	130.9	12,100	60.0	129.4	12,300	61.8	126.8	10,400 *	90
100	51.3	124.0	10,200	53.3	123.3	10,400	55.1	121.6	10,500				100
110	46.2	115.0	8,800	48.1	114.2	9,000							110
120	40.5	104.1	7,700	42.4	103.1	7,800							120
130	34.1	90.5	6,700										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
Pick and Carry Rating Over End 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	20,000 *	72.4	157.9	20,000 *	74.3	156.5	17,800 *	76.2	154.2	13,200 *	60
65	68.5	156.6	18,500	70.4	155.9	18,800	72.4	154.5	16,800 *	74.3	152.2	12,700 *	65
70	66.5	154.4	16,700	68.5	153.7	17,000	70.4	152.3	16,000 *	72.3	150.0	12,200 *	70
75	64.6	152.0	15,200	66.5	151.4	15,400	68.4	149.9	15,300 *	70.2	147.5	11,700 *	75
80	62.6	149.5	13,800	64.5	148.8	14,100	66.4	147.3	14,300	68.2	144.9	11,300 *	80
90	58.4	143.6	11,700	60.3	142.9	11,900	62.2	141.4	12,100	63.9	138.8	10,700 *	90
100	54.1	136.7	10,000	56.0	136.0	10,100	57.8	134.4	10,300				100
110	49.5	128.6	8,600	51.4	127.9	8,700	53.1	126.1	8,900				110
120	44.6	119.1	7,400	46.4	118.2	7,500							120
130	39.2	107.6	6,400										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	20,000 *	73.4	168.5	20,000 *	75.3	167.1	18,300 *	77.1	164.8	13,400 *	60
65	69.8	167.3	18,200	71.6	166.7	18,600	73.5	165.2	17,300 *	75.3	162.9	12,900 *	65
70	68.0	165.3	16,400	69.8	164.6	16,800	71.6	163.2	16,500 *	73.4	160.9	12,400 *	70
75	66.2	163.1	14,900	68.0	162.4	15,200	69.8	161.0	15,500	71.5	158.6	12,000 *	75
80	64.3	160.7	13,600	66.1	160.0	13,900	67.9	158.6	14,100	69.6	156.1	11,600 *	80
90	60.5	155.3	11,400	62.3	154.6	11,700	64.0	153.1	11,900	65.7	150.6	10,900 *	90
100	56.5	149.0	9,700	58.3	148.3	9,900	60.0	146.7	10,100	61.6	144.0	10,300 *	100
110	52.4	141.7	8,300	54.1	140.9	8,500	55.8	139.2	8,600				110
120	47.9	133.1	7,200	49.7	132.3	7,300	51.3	130.5	7,400				120
130	43.2	123.0	6,200	44.9	122.1	6,300							130
140	37.9	111.0	5,400										140

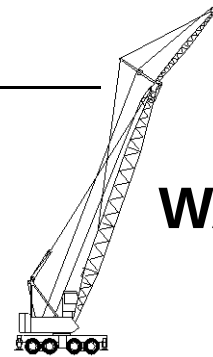


Liftcrane Jib Capacities

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

Pick and Carry Rating Over End 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	20,000 *	74.4	179.0	20,000 *	76.1	177.6	18,800 *	77.9	175.3	13,600 *	60
65	71.0	178.0	18,000	72.7	177.3	18,400	74.4	175.9	17,800 *	76.2	173.5	13,100 *	65
70	69.3	176.1	16,200	71.0	175.4	16,600	72.7	174.0	16,900	74.4	171.6	12,700 *	70
75	67.6	174.0	14,700	69.3	173.4	15,000	71.0	171.9	15,300	72.7	169.5	12,200 *	75
80	65.8	171.8	13,400	67.6	171.1	13,700	69.2	169.7	14,000	70.9	167.2	11,800 *	80
90	62.3	166.8	11,200	64.0	166.1	11,500	65.6	164.6	11,700	67.2	162.0	11,100 *	90
100	58.6	161.0	9,500	60.3	160.2	9,700	61.9	158.6	9,900	63.4	156.0	10,100	100
110	54.8	154.2	8,100	56.5	153.4	8,300	58.0	151.8	8,500				110
120	50.8	146.4	7,000	52.4	145.6	7,100	53.9	143.9	7,300				120
130	46.5	137.4	6,000	48.1	136.5	6,100							130
140	41.9	126.8	5,200	43.5	125.9	5,300							140
150	36.8	114.3	4,500										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	19,800	75.2	189.5	20,000 *	76.9	188.1	19,200 *	78.6	185.8	13,800 *	60
65	72.0	188.6	17,700	73.7	187.9	18,100	75.3	186.5	18,300 *	76.9	184.1	13,300 *	65
70	70.4	186.8	16,000	72.1	186.1	16,300	73.7	184.7	16,700	75.3	182.3	12,900 *	70
75	68.8	184.9	14,400	70.4	184.2	14,800	72.1	182.7	15,100	73.6	180.3	12,400 *	75
80	67.2	182.8	13,100	68.8	182.1	13,400	70.4	180.6	13,700	72.0	178.2	12,100 *	80
90	63.9	178.1	11,000	65.5	177.4	11,200	67.1	175.9	11,500	68.6	173.3	11,400 *	90
100	60.4	172.6	9,300	62.0	171.9	9,500	63.6	170.3	9,700	65.0	167.7	9,900	100
110	56.9	166.4	7,900	58.5	165.6	8,100	60.0	164.0	8,300	61.4	161.3	8,400	110
120	53.2	159.2	6,700	54.8	158.4	6,900	56.2	156.7	7,100				120
130	49.3	151.0	5,800	50.9	150.2	5,900	52.3	148.3	6,000				130
140	45.2	141.5	4,900	46.7	140.6	5,100							140
150	40.7	130.5	4,200	42.2	129.6	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
Pick and Carry Rating Over End On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

40 Ft. Fixed Jib

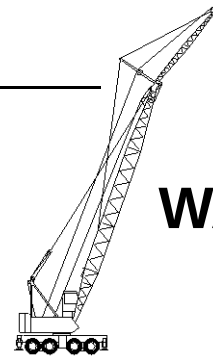
Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib 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	19,500	76.0	200.0	20,000 *	77.6	198.5	19,600 *	79.2	196.2	14,000 *	60
65	72.9	199.1	17,500	74.5	198.4	17,900	76.1	197.0	18,300	77.6	194.6	13,500 *	65
70	71.4	197.4	15,700	73.0	196.7	16,100	74.6	195.3	16,500	76.1	192.9	13,100 *	70
75	69.9	195.6	14,200	71.5	194.9	14,500	73.0	193.5	14,900	74.5	191.0	12,600 *	75
80	68.4	193.6	12,900	69.9	192.9	13,200	71.5	191.5	13,500	73.0	189.0	12,300 *	80
90	65.3	189.2	10,700	66.8	188.5	11,000	68.3	187.0	11,300	69.8	184.5	11,500	90
100	62.1	184.1	9,000	63.6	183.4	9,200	65.1	181.8	9,500	66.5	179.2	9,700	100
110	58.8	178.3	7,600	60.3	177.5	7,800	61.7	175.9	8,000	63.1	173.2	8,200	110
120	55.3	171.6	6,500	56.8	170.9	6,600	58.2	169.2	6,800				120
130	51.8	164.1	5,500	53.2	163.3	5,700	54.6	161.5	5,800				130
140	48.0	155.5	4,700	49.4	154.6	4,800	50.8	152.7	4,900				140
150	44.0	145.6	4,000	45.4	144.6	4,100							150
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	19,300	76.7	210.3	19,800	78.2	208.9	20,000 *	79.7	206.5	14,200 *	60
65	73.8	209.6	17,200	75.3	208.9	17,700	76.8	207.4	18,100	78.3	205.0	13,700 *	65
70	72.4	208.0	15,400	73.8	207.3	15,900	75.3	205.8	16,300	76.8	203.4	13,200 *	70
75	70.9	206.3	13,900	72.4	205.6	14,300	73.9	204.1	14,700	75.3	201.7	12,800 *	75
80	69.5	204.4	12,600	70.9	203.7	13,000	72.4	202.2	13,300	73.8	199.8	12,400 *	80
90	66.5	200.2	10,500	68.0	199.5	10,800	69.4	198.0	11,100	70.8	195.5	11,300	90
100	63.5	195.4	8,800	65.0	194.7	9,000	66.4	193.1	9,300	67.7	190.6	9,500	100
110	60.4	190.0	7,400	61.9	189.2	7,600	63.2	187.6	7,800	64.5	185.0	8,000	110
120	57.2	183.8	6,200	58.6	183.0	6,400	60.0	181.3	6,600	61.2	178.6	6,800	120
130	53.9	176.7	5,300	55.3	175.9	5,400	56.6	174.2	5,600				130
140	50.4	168.8	4,400	51.8	168.0	4,600	53.1	166.1	4,700				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	19,000	77.3	220.7	19,600	78.8	219.2	20,000 *	80.2	216.9	14,300 *	60
65	74.5	220.0	17,000	76.0	219.3	17,400	77.4	217.8	17,900	78.8	215.4	13,900 *	65
70	73.2	218.5	15,200	74.6	217.8	15,600	76.0	216.3	16,100	77.4	213.9	13,400 *	70
75	71.8	216.8	13,700	73.2	216.2	14,100	74.6	214.7	14,500	76.0	212.2	13,000 *	75
80	70.4	215.1	12,400	71.9	214.4	12,800	73.3	212.9	13,100	74.6	210.4	12,600 *	80
90	67.6	211.1	10,200	69.1	210.4	10,600	70.4	208.9	10,900	71.8	206.4	11,200	90
100	64.8	206.6	8,500	66.2	205.9	8,800	67.6	204.3	9,100	68.9	201.7	9,300	100
110	61.9	201.4	7,100	63.3	200.7	7,400	64.6	199.1	7,600	65.9	196.5	7,800	110
120	58.9	195.6	6,000	60.2	194.9	6,200	61.6	193.2	6,400	62.8	190.5	6,600	120
130	55.8	189.1	5,000	57.1	188.3	5,200	58.4	186.6	5,400				130
140	52.5	181.7	4,200	53.9	180.9	4,400	55.1	179.1	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

Pick and Carry Rating Over End 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	10,600 *	47.0	95.5	9,500 *							100
110	37.3	84.3	9,500 *										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	19,200 *	68.5	133.9	15,300 *	71.2	132.3	12,600 *	73.9	129.7	9,800 *	65
70	63.4	132.1	17,500 *	66.2	131.3	14,300 *	68.9	129.7	11,900 *	71.6	127.0	9,400 *	70
75	61.0	129.3	16,000 *	63.8	128.5	13,400 *	66.5	126.8	11,300 *	69.1	124.1	9,000 *	75
80	58.7	126.2	14,700 *	61.4	125.4	12,500 *	64.1	123.7	10,800 *	66.6	120.9	8,700 *	80
90	53.7	119.2	12,500 *	56.4	118.3	11,200 *	59.0	116.5	9,800 *	61.4	113.5	8,100 *	90
100	48.3	110.7	10,800 *	51.0	109.7	10,100 *	53.5	107.7	9,100 *				100
110	42.5	100.3	9,400 *	45.1	99.3	9,200 *							110
120	35.8	87.4	8,200 *										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
Pick and Carry Rating Over End 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	19,100	70.0	144.9	16,200 *	72.6	143.2	13,000 *	75.1	140.6	10,000 *	65
70	65.3	143.3	17,300	67.9	142.5	15,100 *	70.5	140.9	12,400 *	73.0	138.2	9,600 *	70
75	63.1	140.8	15,800	65.7	140.0	14,100 *	68.3	138.2	11,700 *	70.7	135.5	9,200 *	75
80	61.0	138.0	14,500	63.6	137.1	13,300 *	66.1	135.4	11,200 *	68.5	132.6	8,900 *	80
90	56.5	131.6	12,300	59.0	130.7	11,800 *	61.5	128.9	10,200 *	63.8	125.9	8,300 *	90
100	51.7	124.0	10,600	54.2	123.1	10,700 *	56.6	121.1	9,500 *				100
110	46.6	114.9	9,200	49.0	113.9	9,300	51.3	111.8	8,800 *				110
120	40.9	104.0	8,000	43.3	102.9	8,100							120
130	34.5	90.5	7,000										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	19,800 *	73.3	157.7	18,300 *	75.7	156.0	14,200 *	78.2	153.4	10,700 *	60
65	68.9	156.5	18,800	71.3	155.7	17,000 *	73.8	154.0	13,500 *	76.2	151.4	10,200 *	65
70	66.9	154.4	17,100	69.4	153.6	15,800 *	71.8	151.9	12,800 *	74.2	149.1	9,800 *	70
75	65.0	152.0	15,500	67.4	151.2	14,800 *	69.8	149.5	12,100 *	72.1	146.7	9,400 *	75
80	63.0	149.4	14,200	65.4	148.6	14,000 *	67.8	146.8	11,600 *	70.0	144.0	9,100 *	80
90	58.8	143.6	12,000	61.2	142.7	12,300	63.5	140.9	10,600 *	65.7	137.9	8,500 *	90
100	54.5	136.7	10,300	56.9	135.8	10,500	59.1	133.8	9,800 *	61.2	130.7	8,000 *	100
110	49.9	128.6	8,900	52.2	127.6	9,100	54.4	125.5	9,200 *				110
120	45.0	119.0	7,800	47.3	118.0	7,900							120
130	39.5	107.5	6,800										130

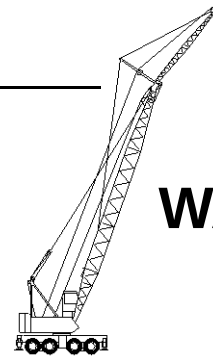


Liftcrane Jib Capacities

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

Pick and Carry Rating Over End On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

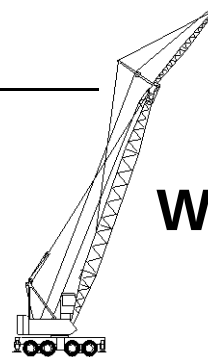
50 Ft. Fixed Jib

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	19,700 *	74.3	168.3	19,000 *	76.6	166.6	14,600 *	78.9	163.9	10,900 *	60
65	70.2	167.3	18,600	72.5	166.5	17,800 *	74.8	164.8	13,800 *	77.1	162.0	10,400 *	65
70	68.4	165.3	16,800	70.7	164.4	16,600 *	73.0	162.7	13,100 *	75.2	160.0	10,000 *	70
75	66.5	163.1	15,300	68.8	162.2	15,600 *	71.1	160.5	12,500 *	73.3	157.7	9,600 *	75
80	64.7	160.7	13,900	67.0	159.8	14,300	69.2	158.1	12,000 *	71.4	155.2	9,300 *	80
90	60.9	155.3	11,800	63.1	154.4	12,000	65.3	152.6	11,000 *	67.4	149.6	8,700 *	90
100	56.9	149.0	10,100	59.1	148.1	10,300	61.3	146.1	10,200 *	63.3	143.0	8,200 *	100
110	52.7	141.6	8,700	54.9	140.7	8,800	57.0	138.6	9,000				110
120	48.3	133.0	7,500	50.5	132.0	7,700	52.5	129.8	7,800				120
130	43.5	123.0	6,500	45.7	121.8	6,700							130
140	38.3	111.0	5,700										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	19,500 *	75.2	178.8	18,900 *	77.4	177.1	15,000 *	79.6	174.4	11,000 *	60
65	71.3	177.9	18,300	73.5	177.1	18,500 *	75.7	175.4	14,200 *	77.8	172.6	10,600 *	65
70	69.6	176.1	16,500	71.8	175.2	16,900	74.0	173.5	13,500 *	76.1	170.7	10,200 *	70
75	67.9	174.0	15,000	70.1	173.2	15,400	72.2	171.4	12,900 *	74.3	168.6	9,800 *	75
80	66.2	171.8	13,700	68.3	170.9	14,000	70.5	169.1	12,300 *	72.5	166.3	9,500 *	80
90	62.6	166.8	11,500	64.8	165.9	11,800	66.9	164.0	11,300 *	68.9	161.1	8,900 *	90
100	59.0	160.9	9,800	61.1	160.0	10,100	63.1	158.1	10,300	65.0	155.0	8,400 *	100
110	55.1	154.2	8,400	57.2	153.2	8,600	59.2	151.2	8,800	61.1	148.0	7,900 *	110
120	51.1	146.4	7,300	53.2	145.4	7,400	55.1	143.2	7,600				120
130	46.8	137.3	6,300	48.9	136.3	6,500							130
140	42.2	126.8	5,500	44.2	125.6	5,600							140
150	37.1	114.3	4,800										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
Pick and Carry Rating Over End 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	19,300 *	76.0	189.3	18,800 *	78.1	187.6	15,300 *	80.2	184.8	11,200 *	60
65	72.3	188.5	18,100	74.4	187.7	18,500 *	76.5	186.0	14,500 *	78.5	183.2	10,700 *	65
70	70.7	186.8	16,300	72.8	185.9	16,700	74.9	184.2	13,800 *	76.9	181.3	10,300 *	70
75	69.1	184.8	14,800	71.2	184.0	15,200	73.2	182.2	13,200 *	75.2	179.3	10,000 *	75
80	67.5	182.7	13,500	69.6	181.9	13,800	71.6	180.1	12,600 *	73.6	177.2	9,600 *	80
90	64.2	178.0	11,300	66.2	177.2	11,600	68.2	175.3	11,600 *	70.1	172.3	9,000 *	90
100	60.8	172.6	9,600	62.8	171.7	9,900	64.7	169.8	10,100	66.6	166.7	8,500 *	100
110	57.2	166.4	8,200	59.2	165.4	8,400	61.1	163.4	8,700	62.9	160.2	8,100 *	110
120	53.5	159.2	7,100	55.5	158.2	7,300	57.4	156.1	7,400				120
130	49.6	151.0	6,100	51.6	149.9	6,300	53.4	147.7	6,400				130
140	45.5	141.5	5,300	47.4	140.4	5,400							140
150	41.0	130.5	4,500	42.9	129.2	4,700							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	19,000 *	76.7	199.7	18,500 *	78.7	198.0	15,600 *	80.7	195.2	11,300 *	60
65	73.2	199.1	17,800	75.2	198.2	18,300 *	77.2	196.4	14,900 *	79.1	193.6	10,900 *	65
70	71.7	197.4	16,100	73.7	196.5	16,500	75.7	194.8	14,200 *	77.6	191.9	10,500 *	70
75	70.2	195.6	14,600	72.2	194.7	15,000	74.1	192.9	13,500 *	76.0	190.0	10,100 *	75
80	68.7	193.6	13,200	70.7	192.7	13,600	72.6	190.9	13,000 *	74.5	188.0	9,800 *	80
90	65.6	189.2	11,100	67.5	188.3	11,400	69.4	186.4	11,700	71.2	183.4	9,200 *	90
100	62.4	184.1	9,400	64.3	183.2	9,600	66.2	181.3	9,900	67.9	178.2	8,700 *	100
110	59.1	178.3	8,000	61.0	177.3	8,200	62.8	175.3	8,400	64.5	172.1	8,300 *	110
120	55.6	171.6	6,800	57.5	170.6	7,000	59.3	168.6	7,200	60.9	165.2	7,400	120
130	52.1	164.0	5,900	53.9	163.0	6,000	55.7	160.8	6,200				130
140	48.3	155.4	5,000	50.1	154.3	5,200	51.8	152.0	5,300				140
150	44.3	145.5	4,300	46.1	144.3	4,400							150

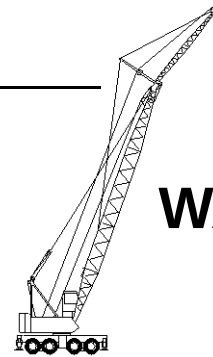


Liftcrane Jib Capacities

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

Pick and Carry Rating Over End 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	
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	18,600 *	77.4	210.1	18,200 *	79.3	208.4	15,900 *				60
65	74.1	209.5	17,600	76.0	208.7	18,000 *	77.8	206.9	15,200 *	79.7	204.0	11,000 *	65
70	72.6	207.9	15,800	74.5	207.1	16,300	76.4	205.3	14,500 *	78.2	202.4	10,600 *	70
75	71.2	206.2	14,300	73.1	205.4	14,700	74.9	203.5	13,800 *	76.8	200.6	10,300 *	75
80	69.8	204.4	13,000	71.6	203.5	13,400	73.5	201.7	13,300 *	75.3	198.7	9,900 *	80
90	66.8	200.2	10,800	68.7	199.3	11,200	70.5	197.4	11,500	72.2	194.4	9,300 *	90
100	63.8	195.4	9,100	65.6	194.5	9,400	67.4	192.6	9,700	69.1	189.5	8,800 *	100
110	60.7	189.9	7,700	62.5	189.0	8,000	64.3	187.0	8,200	65.9	183.8	8,400 *	110
120	57.5	183.7	6,600	59.3	182.7	6,800	61.0	180.7	7,000	62.6	177.4	7,200	120
130	54.2	176.7	5,600	56.0	175.7	5,800	57.6	173.5	6,000				130
140	50.7	168.7	4,800	52.5	167.7	4,900	54.1	165.4	5,100				140
150	47.0	159.7	4,000	48.8	158.6	4,200							150
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	17,300	76.6	219.1	17,600 *	78.4	217.3	15,400 *	80.2	214.4	11,100 *	65
70	73.5	218.4	15,600	75.3	217.6	16,100	77.0	215.8	14,800 *	78.8	212.9	10,700 *	70
75	72.1	216.8	14,100	73.9	215.9	14,500	75.7	214.1	14,100 *	77.4	211.2	10,400 *	75
80	70.7	215.0	12,700	72.5	214.2	13,200	74.3	212.3	13,600 *	76.0	209.4	10,100 *	80
90	67.9	211.1	10,600	69.7	210.2	10,900	71.4	208.3	11,300	73.1	205.3	9,500 *	90
100	65.1	206.6	8,900	66.8	205.6	9,200	68.6	203.7	9,500	70.2	200.6	9,000 *	100
110	62.2	201.4	7,500	63.9	200.5	7,800	65.6	198.5	8,000	67.2	195.3	8,300	110
120	59.1	195.6	6,300	60.9	194.6	6,600	62.5	192.6	6,800	64.1	189.3	7,000	120
130	56.0	189.0	5,400	57.8	188.0	5,600	59.4	185.9	5,800	60.8	182.5	6,000	130
140	52.8	181.6	4,500	54.5	180.6	4,700	56.1	178.4	4,900				140
150				51.1	172.2	4,000	52.6	169.9	4,100				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
Pick and Carry Rating Over End 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	8,000 *	44.1	102.8	7,300 *							120
130	34.8	90.4	7,300 *										130

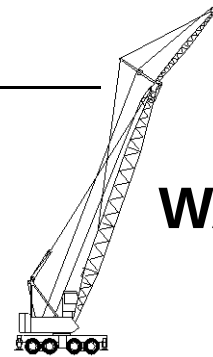


Liftcrane Jib Capacities

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

Pick and Carry Rating Over End 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	14,100 *	66.1	148.5	11,400 *	69.0	146.6	9,600 *	71.9	143.5	7,500 *	80
90	59.1	143.6	12,300 *	62.0	142.6	10,200 *	64.8	140.6	8,700 *	67.5	137.4	7,000 *	90
100	54.8	136.7	10,600	57.6	135.7	9,200 *	60.4	133.6	8,000 *	63.0	130.1	6,500 *	100
110	50.2	128.6	9,200	53.0	127.5	8,400 *	55.7	125.2	7,400 *				110
120	45.2	119.0	8,100	48.0	117.8	7,700 *							120
130	39.8	107.5	7,100										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	14,200 *	67.7	159.7	12,000 *	70.4	157.8	9,900 *	73.1	154.6	7,700 *	80
90	61.1	155.3	12,100	63.8	154.3	10,700 *	66.5	152.3	9,000 *	69.1	149.0	7,100 *	90
100	57.1	149.0	10,400	59.8	148.0	9,700 *	62.5	145.8	8,300 *	65.0	142.4	6,700 *	100
110	53.0	141.6	9,000	55.6	140.5	8,800 *	58.2	138.3	7,700 *	60.6	134.7	6,300 *	110
120	48.5	133.0	7,800	51.2	131.9	8,000	53.7	129.5	7,200 *				120
130	43.8	123.0	6,900	46.4	121.7	7,000							130
140	38.5	110.9	6,000										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
Pick and Carry Rating Over End 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	14,700 *	70.8	173.1	13,300 *	73.4	171.1	10,700 *	75.9	168.0	8,100 *	75
80	66.4	171.8	14,000	69.0	170.8	12,500 *	71.6	168.8	10,200 *	74.1	165.6	7,800 *	80
90	62.9	166.7	11,800	65.5	165.8	11,200 *	68.0	163.7	9,300 *	70.5	160.4	7,300 *	90
100	59.2	160.9	10,100	61.8	159.9	10,100 *	64.3	157.8	8,600 *	66.6	154.3	6,800 *	100
110	55.4	154.2	8,700	57.9	153.1	9,000	60.3	150.9	8,000 *	62.6	147.3	6,400 *	110
120	51.3	146.4	7,600	53.9	145.2	7,800	56.2	142.9	7,500 *				120
130	47.1	137.3	6,600	49.5	136.1	6,800	51.8	133.6	6,900				130
140	42.5	126.8	5,800	44.9	125.5	5,900							140
150	37.4	114.2	5,100										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	14,700 *	71.8	183.9	13,900 *	74.3	181.9	10,900 *	76.8	178.7	8,200 *	75
80	67.7	182.7	13,800	70.2	181.8	13,100 *	72.7	179.8	10,400 *	75.1	176.5	7,900 *	80
90	64.4	178.0	11,600	66.9	177.0	11,700 *	69.3	175.0	9,600 *	71.6	171.6	7,400 *	90
100	61.0	172.6	9,900	63.4	171.6	10,200	65.8	169.4	8,800 *	68.1	166.0	7,000 *	100
110	57.4	166.3	8,500	59.9	165.3	8,700	62.2	163.1	8,200 *	64.4	159.5	6,600 *	110
120	53.7	159.2	7,300	56.1	158.1	7,600	58.4	155.7	7,700 *	60.5	152.0	6,200 *	120
130	49.9	150.9	6,400	52.2	149.8	6,600	54.4	147.3	6,700				130
140	45.7	141.5	5,500	48.0	140.2	5,700							140
150	41.2	130.5	4,800	43.5	129.1	5,000							150
160	36.3	117.4	4,200										160

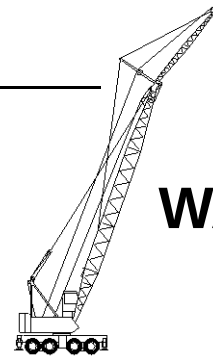


Liftcrane Jib Capacities

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

Pick and Carry Rating Over End On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

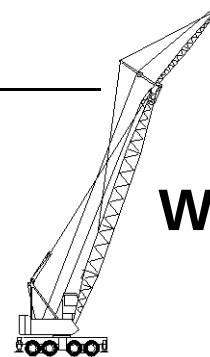
60 Ft. Fixed Jib

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	14,500 *	72.8	194.6	14,100 *	75.2	192.6	11,200 *	77.5	189.3	8,400 *	75
80	68.9	193.6	13,600	71.3	192.6	13,600 *	73.6	190.6	10,700 *	75.9	187.3	8,100 *	80
90	65.8	189.2	11,400	68.1	188.2	11,700	70.4	186.1	9,800 *	72.7	182.7	7,500 *	90
100	62.6	184.1	9,700	64.9	183.0	10,000	67.2	180.9	9,100 *	69.3	177.4	7,100 *	100
110	59.3	178.2	8,300	61.6	177.2	8,500	63.8	175.0	8,500 *	65.9	171.4	6,700 *	110
120	55.8	171.6	7,100	58.1	170.5	7,400	60.3	168.2	7,600	62.3	164.4	6,400 *	120
130	52.3	164.0	6,200	54.5	162.9	6,400	56.6	160.4	6,600				130
140	48.5	155.4	5,300	50.7	154.2	5,500	52.8	151.6	5,700				140
150	44.5	145.5	4,600	46.7	144.2	4,800							150
160	40.1	134.0	4,000										160
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	14,100 *	73.7	205.2	14,100 *	75.9	203.2	11,400 *	78.1	199.9	8,500 *	75
80	70.0	204.3	13,300	72.2	203.4	13,800 *	74.4	201.3	10,900 *	76.6	198.0	8,200 *	80
90	67.0	200.2	11,100	69.2	199.2	11,500	71.4	197.1	10,100 *	73.6	193.7	7,600 *	90
100	64.0	195.4	9,400	66.2	194.3	9,800	68.4	192.2	9,300 *	70.5	188.7	7,200 *	100
110	60.9	189.9	8,000	63.1	188.8	8,300	65.2	186.6	8,600	67.2	183.0	6,800 *	110
120	57.7	183.7	6,900	59.9	182.6	7,100	62.0	180.3	7,400	63.9	176.6	6,500 *	120
130	54.4	176.7	5,900	56.5	175.5	6,100	58.6	173.1	6,400				130
140	50.9	168.7	5,100	53.0	167.5	5,300	55.0	165.0	5,500				140
150	47.2	159.7	4,400	49.3	158.4	4,500	51.3	155.7	4,700				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
Pick and Carry Rating Over End On Rubber

Meets
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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	13,800 *	74.4	215.8	13,900 *	76.6	213.7	11,700 *	78.7	210.4	8,600 *	75
80	70.9	215.0	13,100	73.1	214.0	13,500	75.2	212.0	11,200 *	77.3	208.6	8,300 *	80
90	68.1	211.1	10,900	70.3	210.1	11,300	72.4	207.9	10,300 *	74.4	204.5	7,800 *	90
100	65.3	206.5	9,200	67.4	205.5	9,500	69.5	203.3	9,500 *	71.5	199.8	7,300 *	100
110	62.3	201.4	7,800	64.5	200.3	8,100	66.5	198.1	8,400	68.4	194.5	6,900 *	110
120	59.3	195.6	6,600	61.4	194.5	6,900	63.4	192.2	7,200	65.3	188.5	6,600 *	120
130	56.2	189.0	5,700	58.3	187.9	5,900	60.3	185.5	6,100	62.1	181.6	6,300 *	130
140	53.0	181.6	4,800	55.1	180.4	5,000	57.0	177.9	5,300				140
150	49.6	173.3	4,100	51.7	172.0	4,300	53.5	169.4	4,500				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	13,400 *	75.1	226.3	13,800 *	77.2	224.2	11,900 *	79.2	220.9	8,600 *	75
80	71.8	225.6	12,800	73.8	224.6	13,300	75.9	222.5	11,400 *	77.9	219.2	8,400 *	80
90	69.1	221.9	10,600	71.2	220.9	11,100	73.2	218.7	10,500 *	75.2	215.3	7,900 *	90
100	66.4	217.6	8,900	68.4	216.6	9,300	70.4	214.4	9,700	72.4	210.9	7,400 *	100
110	63.6	212.7	7,500	65.7	211.7	7,900	67.6	209.4	8,200	69.5	205.8	7,000 *	110
120	60.8	207.2	6,400	62.8	206.1	6,700	64.8	203.8	7,000	66.6	200.1	6,700 *	120
130	57.9	201.1	5,400	59.9	199.9	5,700	61.8	197.5	5,900	63.5	193.7	6,200	130
140	54.9	194.1	4,600	56.9	193.0	4,800	58.7	190.5	5,100				140
150				53.7	185.2	4,100	55.5	182.6	4,300				150