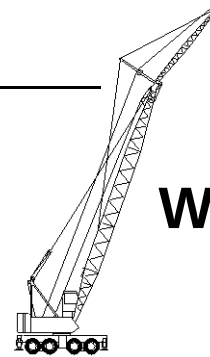


Liftcrane Jib Capacities

**Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 Lb. Counterweight
Pick and Carry Rating Over End On Rubber**

Meets
ANSI B30.5
Requirements



Manitowoc

**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 = 10,000 Lbs. and 3rd counterweight = 24,800 Lbs.

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

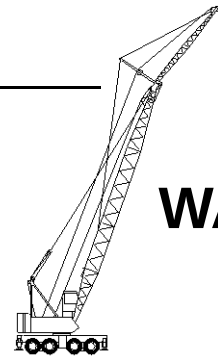
Maximum Boom and Jib Lengths Lifted Unassisted			
Over End or Side of Fully Extended Outriggers		Over End On Rubber	
Boom Length	Jib No. 10	Boom Length	Jib No. 10
200 Ft.	—	180 Ft.	—
190 Ft.	60 Ft.	180 Ft.	60 Ft.
Load block, hook and weight ball on ground at start.			

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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	
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	20,000 *	55.5	87.6	19,900 *	57.6	86.6	17,000 *				65
70	49.5	84.0	20,000 *	51.8	83.5	18,500 *	53.9	82.5	16,100 *				70
75	45.6	79.3	18,700	47.9	78.9	17,300 *	49.9	77.7	15,300 *				75
80	41.4	74.0	17,200	43.7	73.5	16,300 *							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	20,000 *	59.1	99.9	20,000 *	61.1	98.9	18,000 *	63.0	97.1	14,200 *	65
70	53.8	96.8	20,000 *	55.9	96.4	20,000 *	57.9	95.3	17,000 *	59.7	93.5	13,700 *	70
75	50.5	92.9	18,300	52.6	92.4	18,500	54.5	91.3	16,200 *				75
80	47.0	88.4	16,900	49.1	87.9	17,000	51.0	86.8	15,500 *				80
90	39.4	77.6	14,400	41.4	77.1	14,500							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	20,000 *	61.9	111.7	20,000 *	63.8	110.7	19,000 *	65.6	108.9	14,700 *	65
70	57.2	109.0	19,800	59.1	108.6	20,000 *	61.0	107.5	18,000 *	62.7	105.7	14,200 *	70
75	54.3	105.5	18,100	56.3	105.1	18,300	58.1	104.0	17,100 *	59.7	102.1	13,600 *	75
80	51.3	101.7	16,600	53.2	101.2	16,800	55.0	100.1	16,300 *				80
90	44.9	92.6	14,200	46.8	92.1	14,300							90
100	37.7	81.1	12,300 *										100

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 Lb. Counterweight
Pick and Carry Rating Over End On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

30 Ft. Fixed Jib

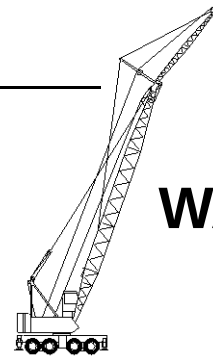
Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib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

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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	
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	20,000 *	69.4	156.2	20,000 *	70.9	155.2	20,000 *	72.3	153.4	16,400 *	65
70	66.0	154.5	18,800	67.5	154.0	19,000	68.9	153.0	19,300	70.3	151.2	15,800 *	70
75	64.0	152.1	17,100	65.5	151.7	17,300	66.9	150.6	17,500	68.3	148.8	15,300 *	75
80	62.0	149.5	15,600	63.5	149.1	15,800	64.9	148.0	16,000	66.2	146.2	14,800 *	80
90	57.9	143.7	13,200	59.4	143.2	13,400	60.7	142.1	13,500	62.0	140.2	13,700	90
100	53.6	136.8	11,300	55.0	136.3	11,400	56.3	135.2	11,600				100
110	49.0	128.7	9,700	50.4	128.2	9,900 *	51.7	126.9	10,000				110
120	44.1	119.1	8,500 *	45.5	118.6	8,600 *							120
130	38.6	107.7	7,200 *										130
140	32.5	93.5	6,000 *										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	20,000 *	72.5	168.8	20,000 *	73.9	167.8	20,000 *	75.2	166.0	17,400 *	60
65	69.3	167.4	20,000 *	70.7	166.9	20,000 *	72.1	165.9	20,000 *	73.4	164.2	16,700 *	65
70	67.5	165.4	18,500 *	68.9	164.9	18,700 *	70.2	163.9	19,000 *	71.6	162.1	16,200 *	70
75	65.7	163.2	16,800	67.1	162.7	17,100 *	68.4	161.7	17,300	69.7	159.9	15,600 *	75
80	63.8	160.8	15,400	65.2	160.3	15,600	66.5	159.3	15,800	67.8	157.5	15,100 *	80
90	60.0	155.4	13,000	61.4	154.9	13,200	62.7	153.8	13,300	63.9	151.9	13,500	90
100	56.0	149.1	11,100	57.4	148.6	11,200	58.7	147.5	11,400	59.8	145.5	11,500	100
110	51.9	141.7	9,500 *	53.2	141.2	9,700	54.4	140.0	9,800				110
120	47.4	133.2	8,200 *	48.8	132.6	8,400 *	50.0	131.3	8,500 *				120
130	42.7	123.1	7,000 *	44.0	122.5	7,200 *							130
140	37.4	111.1	5,900 *										140

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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	
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	20,000 *	73.5	179.3	20,000 *	74.8	178.3	20,000 *	76.1	176.6	17,700 *	60
65	70.5	178.0	19,600 *	71.8	177.6	19,800 *	73.1	176.6	20,000 *	74.4	174.8	17,100 *	65
70	68.8	176.2	17,800 *	70.1	175.7	18,000 *	71.4	174.7	18,300 *	72.7	172.9	16,500 *	70
75	67.1	174.1	16,200 *	68.4	173.7	16,500 *	69.7	172.6	16,700 *	70.9	170.8	15,900 *	75
80	65.4	171.9	14,900 *	66.7	171.4	15,100 *	67.9	170.4	15,400 *	69.1	168.6	15,400 *	80
90	61.8	166.9	12,600 *	63.1	166.4	12,800 *	64.3	165.3	13,000 *	65.5	163.4	13,300 *	90
100	58.1	161.0	10,700 *	59.4	160.6	10,900 *	60.6	159.4	11,200 *	61.8	157.5	11,300	100
110	54.3	154.3	9,200 *	55.6	153.8	9,400 *	56.8	152.6	9,600 *				110
120	50.3	146.5	7,800 *	51.6	146.0	8,000 *	52.7	144.7	8,200 *				120
130	46.0	137.5	6,700 *	47.3	136.9	6,900 *							130
140	41.4	126.9	5,600 *	42.7	126.3	5,800 *							140
150	36.4	114.4	4,600 *										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	20,000 *	74.4	189.8	20,000 *	75.6	188.8	20,000 *	76.9	187.1	18,000 *	60
65	71.6	188.6	18,800 *	72.8	188.2	19,000 *	74.0	187.2	19,300 *	75.3	185.4	17,300 *	65
70	70.0	186.9	17,000 *	71.2	186.4	17,200 *	72.4	185.4	17,600 *	73.6	183.6	16,800 *	70
75	68.4	184.9	15,500 *	69.6	184.5	15,700 *	70.8	183.5	16,000 *	72.0	181.7	16,200 *	75
80	66.7	182.8	14,100 *	68.0	182.4	14,400 *	69.2	181.3	14,600 *	70.3	179.5	15,000 *	80
90	63.4	178.1	11,900 *	64.7	177.7	12,100 *	65.8	176.6	12,400 *	67.0	174.7	12,700 *	90
100	60.0	172.7	10,100 *	61.2	172.2	10,300 *	62.4	171.1	10,500 *	63.5	169.2	10,800 *	100
110	56.5	166.5	8,600 *	57.7	166.0	8,800 *	58.8	164.8	9,000 *	59.8	162.8	9,200 *	110
120	52.8	159.3	7,300 *	54.0	158.8	7,500 *	55.1	157.6	7,700 *				120
130	48.9	151.1	6,200 *	50.1	150.5	6,400 *	51.1	149.2	6,600 *				130
140	44.7	141.6	5,200 *	45.9	141.0	5,400 *							140
150	40.3	130.6	4,300 *	41.4	130.0	4,500 *							150

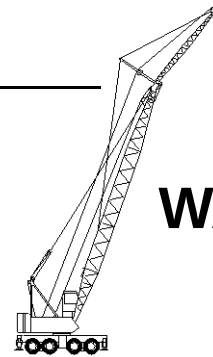


Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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	20,000 *	75.2	200.2	20,000 *	76.4	199.2	20,000 *	77.6	197.5	18,200 *	60
65	72.5	199.1	18,100 *	73.7	198.7	18,400 *	74.9	197.7	18,700 *	76.0	195.9	17,600 *	65
70	71.0	197.5	16,300 *	72.2	197.0	16,600 *	73.4	196.0	16,900 *	74.5	194.2	17,000 *	70
75	69.5	195.7	14,800 *	70.7	195.2	15,100 *	71.8	194.2	15,400 *	73.0	192.4	15,800 *	75
80	68.0	193.7	13,500 *	69.1	193.3	13,800 *	70.3	192.2	14,100 *	71.4	190.4	14,400 *	80
90	64.8	189.3	11,300 *	66.0	188.8	11,600 *	67.1	187.7	11,800 *	68.2	185.9	12,100 *	90
100	61.6	184.2	9,600 *	62.8	183.7	9,800 *	63.9	182.6	10,000 *	65.0	180.7	10,300 *	100
110	58.3	178.4	8,100 *	59.5	177.9	8,300 *	60.6	176.7	8,500 *	61.6	174.7	8,700 *	110
120	54.9	171.7	6,800 *	56.1	171.2	7,000 *	57.1	170.0	7,200 *				120
130	51.3	164.1	5,800 *	52.5	163.6	6,000 *	53.5	162.4	6,100 *				130
140	47.6	155.5	4,800 *	48.7	155.0	5,000 *	49.7	153.6	5,200 *				140
150	43.5	145.6	4,000 *	44.7	145.1	4,100 *							150
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	19,400 *	75.9	210.6	19,800 *	77.0	209.6	20,000 *	78.2	207.9	18,500 *	60
65	73.4	209.6	17,400 *	74.5	209.2	17,700 *	75.6	208.2	18,100 *	76.7	206.4	17,900 *	65
70	71.9	208.0	15,700 *	73.1	207.6	16,000 *	74.2	206.6	16,300 *	75.3	204.8	16,800 *	70
75	70.5	206.3	14,200 *	71.6	205.9	14,500 *	72.7	204.8	14,800 *	73.8	203.0	15,200 *	75
80	69.1	204.5	12,900 *	70.2	204.0	13,200 *	71.3	203.0	13,500 *	72.4	201.1	13,900 *	80
90	66.1	200.3	10,700 *	67.2	199.8	11,000 *	68.3	198.8	11,300 *	69.4	196.9	11,600 *	90
100	63.1	195.5	9,000 *	64.2	195.0	9,300 *	65.3	193.9	9,500 *	66.3	192.0	9,800 *	100
110	60.0	190.0	7,600 *	61.1	189.6	7,800 *	62.1	188.4	8,000 *	63.1	186.5	8,300 *	110
120	56.8	183.8	6,400 *	57.9	183.3	6,600 *	58.9	182.2	6,800 *	59.9	180.1	7,000 *	120
130	53.5	176.8	5,300 *	54.6	176.3	5,500 *	55.6	175.1	5,700 *				130
140	50.0	168.9	4,400 *	51.1	168.3	4,600 *	52.1	167.0	4,800 *				140

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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	20,000 *	63.3	111.4	17,100 *	65.8	110.1	14,500 *	68.2	107.8	11,400 *	65
70	57.9	108.9	19,300 *	60.5	108.3	15,900 *	62.9	106.9	13,700 *	65.3	104.6	11,000 *	70
75	55.0	105.5	17,700 *	57.6	104.8	14,900 *	60.0	103.4	13,000 *	62.3	101.0	10,500 *	75
80	52.0	101.6	16,300 *	54.5	101.0	14,000 *	56.9	99.4	12,400 *				80
90	45.6	92.6	14,200 *	48.1	91.8	12,500 *							90
100	38.4	81.0	12,500 *										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	20,000 *	65.5	122.8	18,300 *	67.9	121.5	15,100 *	70.2	119.2	11,800 *	65
70	60.7	120.7	19,900	63.0	120.0	17,000 *	65.3	118.6	14,300 *	67.6	116.3	11,300 *	70
75	58.1	117.6	18,200	60.4	116.9	15,900 *	62.7	115.5	13,600 *	64.9	113.1	10,900 *	75
80	55.4	114.2	16,700	57.8	113.5	15,000 *	60.0	112.0	13,000 *	62.1	109.6	10,500 *	80
90	49.8	106.3	14,300	52.1	105.6	13,400 *	54.3	103.9	11,900 *				90
100	43.7	96.6	12,400	46.0	95.7	12,200 *							100
110	36.8	84.3	10,800 *										110

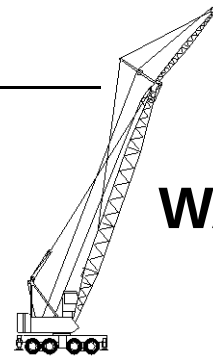


Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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 *										35
40	76.1	143.9	20,000 *	80.4	144.6	20,000 *							40
45	74.0	142.5	20,000 *	78.3	143.3	20,000 *	80.6	142.0	20,000 *				45
50	71.8	140.9	20,000 *	76.2	141.9	20,000 *	78.5	140.6	20,000 *	80.8	138.5	14,700 *	45
				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	20,000 *	67.4	134.0	19,400 *	69.6	132.7	15,700 *	71.8	130.4	12,100 *	65
70	62.9	132.1	19,700	65.1	131.5	18,100 *	67.3	130.1	14,900 *	69.4	127.8	11,600 *	70
75	60.6	129.3	18,000	62.8	128.7	16,900 *	64.9	127.2	14,200 *	67.0	124.9	11,200 *	75
80	58.2	126.3	16,500	60.4	125.6	15,900 *	62.5	124.1	13,500 *	64.5	121.7	10,800 *	80
90	53.2	119.2	14,100	55.4	118.5	14,300	57.4	116.9	12,400 *				90
100	47.9	110.7	12,200	50.0	109.9	12,300	52.0	108.2	11,500 *				100
110	42.0	100.4	10,600	44.1	99.5	10,700							110
120	35.4	87.5	9,300 *										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	20,000 *	69.0	145.0	20,000 *	71.1	143.7	16,300 *	73.1	141.4	12,400 *	65
70	64.9	143.4	19,400	66.9	142.7	19,100 *	69.0	141.3	15,500 *	70.9	139.0	11,900 *	70
75	62.7	140.8	17,800	64.8	140.1	17,900 *	66.8	138.7	14,700 *	68.7	136.3	11,500 *	75
80	60.6	138.0	16,300	62.6	137.3	16,500	64.6	135.9	14,100 *	66.5	133.4	11,100 *	80
90	56.1	131.6	13,900	58.1	130.9	14,000	60.0	129.4	12,900 *	61.8	126.8	10,400 *	90
100	51.3	124.0	11,900	53.3	123.3	12,100	55.1	121.6	12,000 *				100
110	46.2	115.0	10,400	48.1	114.2	10,500							110
120	40.5	104.1	9,100 *	42.4	103.1	9,200 *							120
130	34.1	90.5	7,800 *										130

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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	20,000 *	70.4	155.9	20,000 *	72.4	154.5	16,800 *	74.3	152.2	12,700 *	65
70	66.5	154.4	19,200	68.5	153.7	19,500	70.4	152.3	16,000 *	72.3	150.0	12,200 *	70
75	64.6	152.0	17,500	66.5	151.4	17,700	68.4	149.9	15,300 *	70.2	147.5	11,700 *	75
80	62.6	149.5	16,000	64.5	148.8	16,300	66.4	147.3	14,600 *	68.2	144.9	11,300 *	80
90	58.4	143.6	13,600	60.3	142.9	13,800	62.2	141.4	13,400 *	63.9	138.8	10,700 *	90
100	54.1	136.7	11,700	56.0	136.0	11,800	57.8	134.4	12,000				100
110	49.5	128.6	10,100	51.4	127.9	10,300	53.1	126.1	10,400				110
120	44.6	119.1	8,800 *	46.4	118.2	8,900 *							120
130	39.2	107.6	7,700 *										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	20,000 *	71.6	166.7	20,000 *	73.5	165.2	17,300 *	75.3	162.9	12,900 *	65
70	68.0	165.3	18,900	69.8	164.6	19,200	71.6	163.2	16,500 *	73.4	160.9	12,400 *	70
75	66.2	163.1	17,200	68.0	162.4	17,500	69.8	161.0	15,800 *	71.5	158.6	12,000 *	75
80	64.3	160.7	15,700	66.1	160.0	16,000	67.9	158.6	15,100 *	69.6	156.1	11,600 *	80
90	60.5	155.3	13,300	62.3	154.6	13,600	64.0	153.1	13,800	65.7	150.6	10,900 *	90
100	56.5	149.0	11,400	58.3	148.3	11,600	60.0	146.7	11,800	61.6	144.0	10,300 *	100
110	52.4	141.7	9,900	54.1	140.9	10,000	55.8	139.2	10,200				110
120	47.9	133.1	8,500 *	49.7	132.3	8,700 *	51.3	130.5	8,800 *				120
130	43.2	123.0	7,400 *	44.9	122.1	7,600 *							130
140	37.9	111.0	6,300 *										140

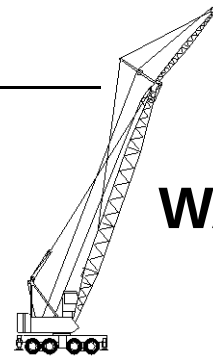


Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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	20,000 *	72.7	177.3	20,000 *	74.4	175.9	17,800 *	76.2	173.5	13,100 *	65
70	69.3	176.1	18,400 *	71.0	175.4	18,700 *	72.7	174.0	17,000 *	74.4	171.6	12,700 *	70
75	67.6	174.0	16,800 *	69.3	173.4	17,100 *	71.0	171.9	16,200 *	72.7	169.5	12,200 *	75
80	65.8	171.8	15,400 *	67.6	171.1	15,700 *	69.2	169.7	15,500 *	70.9	167.2	11,800 *	80
90	62.3	166.8	13,100	64.0	166.1	13,400	65.6	164.6	13,600	67.2	162.0	11,100 *	90
100	58.6	161.0	11,200	60.3	160.2	11,400	61.9	158.6	11,600	63.4	156.0	10,500 *	100
110	54.8	154.2	9,600	56.5	153.4	9,800	58.0	151.8	10,000				110
120	50.8	146.4	8,300 *	52.4	145.6	8,500 *	53.9	143.9	8,700 *				120
130	46.5	137.4	7,100 *	48.1	136.5	7,400 *							130
140	41.9	126.8	6,100 *	43.5	125.9	6,300 *							140
150	36.8	114.3	5,100 *										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	20,000 *	75.2	189.5	20,000 *	76.9	188.1	19,200 *	78.6	185.8	13,800 *	60
65	72.0	188.6	19,500 *	73.7	187.9	19,800 *	75.3	186.5	18,300 *	76.9	184.1	13,300 *	65
70	70.4	186.8	17,700 *	72.1	186.1	18,000 *	73.7	184.7	17,400 *	75.3	182.3	12,900 *	70
75	68.8	184.9	16,200 *	70.4	184.2	16,500 *	72.1	182.7	16,700 *	73.6	180.3	12,400 *	75
80	67.2	182.8	14,800 *	68.8	182.1	15,100 *	70.4	180.6	15,400 *	72.0	178.2	12,100 *	80
90	63.9	178.1	12,500 *	65.5	177.4	12,800 *	67.1	175.9	13,100 *	68.6	173.3	11,400 *	90
100	60.4	172.6	10,700 *	62.0	171.9	11,000 *	63.6	170.3	11,300 *	65.0	167.7	10,800 *	100
110	56.9	166.4	9,200 *	58.5	165.6	9,500 *	60.0	164.0	9,700 *	61.4	161.3	10,000	110
120	53.2	159.2	7,900 *	54.8	158.4	8,100 *	56.2	156.7	8,400 *				120
130	49.3	151.0	6,800 *	50.9	150.2	7,000 *	52.3	148.3	7,200 *				130
140	45.2	141.5	5,700 *	46.7	140.6	6,000 *							140
150	40.7	130.5	4,800 *	42.2	129.6	5,000 *							150

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 Lb. Counterweight
Pick and Carry Rating Over End On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

40 Ft. Fixed Jib

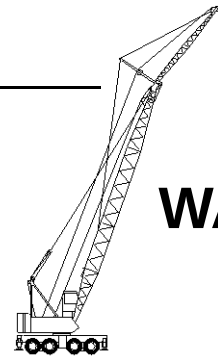
Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib 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	20,000 *	76.0	200.0	20,000 *	77.6	198.5	19,600 *	79.2	196.2	14,000 *	60
65	72.9	199.1	18,700 *	74.5	198.4	19,000 *	76.1	197.0	18,700 *	77.6	194.6	13,500 *	65
70	71.4	197.4	16,900 *	73.0	196.7	17,300 *	74.6	195.3	17,700 *	76.1	192.9	13,100 *	70
75	69.9	195.6	15,400 *	71.5	194.9	15,700 *	73.0	193.5	16,100 *	74.5	191.0	12,600 *	75
80	68.4	193.6	14,100 *	69.9	192.9	14,400 *	71.5	191.5	14,800 *	73.0	189.0	12,300 *	80
90	65.3	189.2	11,900 *	66.8	188.5	12,200 *	68.3	187.0	12,500 *	69.8	184.5	11,600 *	90
100	62.1	184.1	10,100 *	63.6	183.4	10,400 *	65.1	181.8	10,700 *	66.5	179.2	11,000 *	100
110	58.8	178.3	8,600 *	60.3	177.5	8,900 *	61.7	175.9	9,100 *	63.1	173.2	9,500 *	110
120	55.3	171.6	7,300 *	56.8	170.9	7,600 *	58.2	169.2	7,900 *				120
130	51.8	164.1	6,200 *	53.2	163.3	6,500 *	54.6	161.5	6,700 *				130
140	48.0	155.5	5,300 *	49.4	154.6	5,500 *	50.8	152.7	5,700 *				140
150	44.0	145.6	4,400 *	45.4	144.6	4,600 *							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	20,000 *	76.7	210.3	20,000 *	78.2	208.9	20,000 *	79.7	206.5	14,200 *	60
65	73.8	209.6	18,000 *	75.3	208.9	18,400 *	76.8	207.4	18,900 *	78.3	205.0	13,700 *	65
70	72.4	208.0	16,300 *	73.8	207.3	16,600 *	75.3	205.8	17,100 *	76.8	203.4	13,200 *	70
75	70.9	206.3	14,800 *	72.4	205.6	15,100 *	73.9	204.1	15,600 *	75.3	201.7	12,800 *	75
80	69.5	204.4	13,500 *	70.9	203.7	13,800 *	72.4	202.2	14,200 *	73.8	199.8	12,400 *	80
90	66.5	200.2	11,300 *	68.0	199.5	11,600 *	69.4	198.0	12,000 *	70.8	195.5	11,800 *	90
100	63.5	195.4	9,500 *	65.0	194.7	9,800 *	66.4	193.1	10,200 *	67.7	190.6	10,500 *	100
110	60.4	190.0	8,100 *	61.9	189.2	8,400 *	63.2	187.6	8,700 *	64.5	185.0	9,000 *	110
120	57.2	183.8	6,900 *	58.6	183.0	7,100 *	60.0	181.3	7,400 *	61.2	178.6	7,700 *	120
130	53.9	176.7	5,800 *	55.3	175.9	6,000 *	56.6	174.2	6,300 *				130
140	50.4	168.8	4,900 *	51.8	168.0	5,100 *	53.1	166.1	5,300 *				140
150	46.7	159.8	4,000 *	48.1	158.9	4,300 *							150

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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	
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	19,400 *	77.3	220.7	19,800 *	78.8	219.2	20,000 *	80.2	216.9	14,300 *	60
65	74.5	220.0	17,300 *	76.0	219.3	17,800 *	77.4	217.8	18,300 *	78.8	215.4	13,900 *	65
70	73.2	218.5	15,600 *	74.6	217.8	16,000 *	76.0	216.3	16,500 *	77.4	213.9	13,400 *	70
75	71.8	216.8	14,100 *	73.2	216.2	14,500 *	74.6	214.7	15,000 *	76.0	212.2	13,000 *	75
80	70.4	215.1	12,900 *	71.9	214.4	13,200 *	73.3	212.9	13,700 *	74.6	210.4	12,600 *	80
90	67.6	211.1	10,700 *	69.1	210.4	11,100 *	70.4	208.9	11,400 *	71.8	206.4	11,900 *	90
100	64.8	206.6	9,000 *	66.2	205.9	9,300 *	67.6	204.3	9,600 *	68.9	201.7	10,000 *	100
110	61.9	201.4	7,600 *	63.3	200.7	7,900 *	64.6	199.1	8,200 *	65.9	196.5	8,500 *	110
120	58.9	195.6	6,400 *	60.2	194.9	6,600 *	61.6	193.2	6,900 *	62.8	190.5	7,200 *	120
130	55.8	189.1	5,300 *	57.1	188.3	5,600 *	58.4	186.6	5,900 *				130
140	52.5	181.7	4,400 *	53.9	180.9	4,700 *	55.1	179.1	4,900 *				140
150							51.7	170.6	4,100 *				150

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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	17,900 *	66.2	131.3	14,300 *	68.9	129.7	11,900 *	71.6	127.0	9,400 *	70
75	61.0	129.3	16,400 *	63.8	128.5	13,400 *	66.5	126.8	11,300 *	69.1	124.1	9,000 *	75
80	58.7	126.2	15,100 *	61.4	125.4	12,500 *	64.1	123.7	10,800 *	66.6	120.9	8,700 *	80
90	53.7	119.2	13,100 *	56.4	118.3	11,200 *	59.0	116.5	9,800 *	61.4	113.5	8,100 *	90
100	48.3	110.7	11,500 *	51.0	109.7	10,100 *	53.5	107.7	9,100 *				100
110	42.5	100.3	10,300 *	45.1	99.3	9,200 *							110
120	35.8	87.4	9,300 *										120

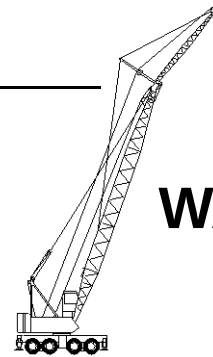


Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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	19,400 *	70.0	144.9	16,200 *	72.6	143.2	13,000 *	75.1	140.6	10,000 *	65
70	65.3	143.3	18,800 *	67.9	142.5	15,100 *	70.5	140.9	12,400 *	73.0	138.2	9,600 *	70
75	63.1	140.8	17,800 *	65.7	140.0	14,100 *	68.3	138.2	11,700 *	70.7	135.5	9,200 *	75
80	61.0	138.0	16,400 *	63.6	137.1	13,300 *	66.1	135.4	11,200 *	68.5	132.6	8,900 *	80
90	56.5	131.6	14,200	59.0	130.7	11,800 *	61.5	128.9	10,200 *	63.8	125.9	8,300 *	90
100	51.7	124.0	12,300	54.2	123.1	10,700 *	56.6	121.1	9,500 *				100
110	46.6	114.9	10,700	49.0	113.9	9,800 *	51.3	111.8	8,800 *				110
120	40.9	104.0	9,400 *	43.3	102.9	9,000 *							120
130	34.5	90.5	8,100 *										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	19,400 *	71.3	155.7	17,000 *	73.8	154.0	13,500 *	76.2	151.4	10,200 *	65
70	66.9	154.4	18,900 *	69.4	153.6	15,800 *	71.8	151.9	12,800 *	74.2	149.1	9,800 *	70
75	65.0	152.0	17,800	67.4	151.2	14,800 *	69.8	149.5	12,100 *	72.1	146.7	9,400 *	75
80	63.0	149.4	16,400	65.4	148.6	14,000 *	67.8	146.8	11,600 *	70.0	144.0	9,100 *	80
90	58.8	143.6	13,900	61.2	142.7	12,500 *	63.5	140.9	10,600 *	65.7	137.9	8,500 *	90
100	54.5	136.7	12,000	56.9	135.8	11,300 *	59.1	133.8	9,800 *	61.2	130.7	8,000 *	100
110	49.9	128.6	10,500	52.2	127.6	10,300 *	54.4	125.5	9,200 *				110
120	45.0	119.0	9,200 *	47.3	118.0	9,300							120
130	39.5	107.5	8,000 *										130

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 Lb. Counterweight
Pick and Carry Rating Over End On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

50 Ft. Fixed Jib

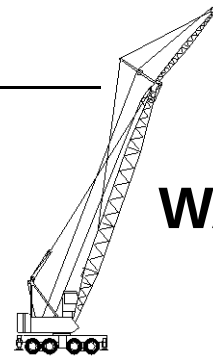
Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib 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	19,300 *	72.5	166.5	17,800 *	74.8	164.8	13,800 *	77.1	162.0	10,400 *	65
70	68.4	165.3	18,900 *	70.7	164.4	16,600 *	73.0	162.7	13,100 *	75.2	160.0	10,000 *	70
75	66.5	163.1	17,600 *	68.8	162.2	15,600 *	71.1	160.5	12,500 *	73.3	157.7	9,600 *	75
80	64.7	160.7	16,100	67.0	159.8	14,600 *	69.2	158.1	12,000 *	71.4	155.2	9,300 *	80
90	60.9	155.3	13,700	63.1	154.4	13,100 *	65.3	152.6	11,000 *	67.4	149.6	8,700 *	90
100	56.9	149.0	11,800	59.1	148.1	11,900 *	61.3	146.1	10,200 *	63.3	143.0	8,200 *	100
110	52.7	141.6	10,200	54.9	140.7	10,400	57.0	138.6	9,500 *				110
120	48.3	133.0	8,900 *	50.5	132.0	9,100	52.5	129.8	8,900 *				120
130	43.5	123.0	7,800 *	45.7	121.8	7,900 *							130
140	38.3	111.0	6,700 *										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	19,200 *	73.5	177.1	18,500 *	75.7	175.4	14,200 *	77.8	172.6	10,600 *	65
70	69.6	176.1	18,800 *	71.8	175.2	17,300 *	74.0	173.5	13,500 *	76.1	170.7	10,200 *	70
75	67.9	174.0	17,300	70.1	173.2	16,200 *	72.2	171.4	12,900 *	74.3	168.6	9,800 *	75
80	66.2	171.8	15,900	68.3	170.9	15,300 *	70.5	169.1	12,300 *	72.5	166.3	9,500 *	80
90	62.6	166.8	13,400	64.8	165.9	13,700	66.9	164.0	11,300 *	68.9	161.1	8,900 *	90
100	59.0	160.9	11,500	61.1	160.0	11,800	63.1	158.1	10,500 *	65.0	155.0	8,400 *	100
110	55.1	154.2	10,000	57.2	153.2	10,200	59.2	151.2	9,800 *	61.1	148.0	7,900 *	110
120	51.1	146.4	8,700 *	53.2	145.4	8,900	55.1	143.2	9,000 *				120
130	46.8	137.3	7,500 *	48.9	136.3	7,700 *							130
140	42.2	126.8	6,400 *	44.2	125.6	6,700 *							140
150	37.1	114.3	5,400 *										150

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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	18,900 *	74.4	187.7	18,500 *	76.5	186.0	14,500 *	78.5	183.2	10,700 *	65
70	70.7	186.8	18,200 *	72.8	185.9	18,000 *	74.9	184.2	13,800 *	76.9	181.3	10,300 *	70
75	69.1	184.8	16,700 *	71.2	184.0	16,900 *	73.2	182.2	13,200 *	75.2	179.3	10,000 *	75
80	67.5	182.7	15,300 *	69.6	181.9	15,600 *	71.6	180.1	12,600 *	73.6	177.2	9,600 *	80
90	64.2	178.0	13,000 *	66.2	177.2	13,300 *	68.2	175.3	11,600 *	70.1	172.3	9,000 *	90
100	60.8	172.6	11,300	62.8	171.7	11,600	64.7	169.8	10,800 *	66.6	166.7	8,500 *	100
110	57.2	166.4	9,700	59.2	165.4	10,000	61.1	163.4	10,100 *	62.9	160.2	8,100 *	110
120	53.5	159.2	8,500 *	55.5	158.2	8,700	57.4	156.1	8,800				120
130	49.6	151.0	7,200 *	51.6	149.9	7,500 *	53.4	147.7	7,700 *				130
140	45.5	141.5	6,100 *	47.4	140.4	6,400 *							140
150	41.0	130.5	5,200 *	42.9	129.2	5,500 *							150
160	36.1	117.5	4,300 *										160
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	18,600 *	75.2	198.2	18,300 *	77.2	196.4	14,900 *	79.1	193.6	10,900 *	65
70	71.7	197.4	17,600 *	73.7	196.5	17,900 *	75.7	194.8	14,200 *	77.6	191.9	10,500 *	70
75	70.2	195.6	16,000 *	72.2	194.7	16,400 *	74.1	192.9	13,500 *	76.0	190.0	10,100 *	75
80	68.7	193.6	14,700 *	70.7	192.7	15,000 *	72.6	190.9	13,000 *	74.5	188.0	9,800 *	80
90	65.6	189.2	12,500 *	67.5	188.3	12,800 *	69.4	186.4	12,000 *	71.2	183.4	9,200 *	90
100	62.4	184.1	10,600 *	64.3	183.2	11,000 *	66.2	181.3	11,100 *	67.9	178.2	8,700 *	100
110	59.1	178.3	9,100 *	61.0	177.3	9,500 *	62.8	175.3	9,800 *	64.5	172.1	8,300 *	110
120	55.6	171.6	7,900 *	57.5	170.6	8,200 *	59.3	168.6	8,500 *	60.9	165.2	7,900 *	120
130	52.1	164.0	6,800 *	53.9	163.0	7,100 *	55.7	160.8	7,300 *				130
140	48.3	155.4	5,800 *	50.1	154.3	6,100 *	51.8	152.0	6,300 *				140
150	44.3	145.5	4,900 *	46.1	144.3	5,200 *							150
160	39.9	134.1	4,100 *										160

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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	18,300 *	76.0	208.7	18,000 *	77.8	206.9	15,200 *	79.7	204.0	11,000 *	65
70	72.6	207.9	16,800 *	74.5	207.1	17,200 *	76.4	205.3	14,500 *	78.2	202.4	10,600 *	70
75	71.2	206.2	15,300 *	73.1	205.4	15,700 *	74.9	203.5	13,800 *	76.8	200.6	10,300 *	75
80	69.8	204.4	14,000 *	71.6	203.5	14,300 *	73.5	201.7	13,300 *	75.3	198.7	9,900 *	80
90	66.8	200.2	11,800 *	68.7	199.3	12,100 *	70.5	197.4	12,300 *	72.2	194.4	9,300 *	90
100	63.8	195.4	10,000 *	65.6	194.5	10,300 *	67.4	192.6	10,700 *	69.1	189.5	8,800 *	100
110	60.7	189.9	8,500 *	62.5	189.0	8,900 *	64.3	187.0	9,200 *	65.9	183.8	8,400 *	110
120	57.5	183.7	7,300 *	59.3	182.7	7,600 *	61.0	180.7	7,900 *	62.6	177.4	8,000 *	120
130	54.2	176.7	6,200 *	56.0	175.7	6,500 *	57.6	173.5	6,800 *				130
140	50.7	168.7	5,300 *	52.5	167.7	5,600 *	54.1	165.4	5,900 *				140
150	47.0	159.7	4,500 *	48.8	158.6	4,700 *							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	17,800 *	76.6	219.1	17,600 *	78.4	217.3	15,400 *	80.2	214.4	11,100 *	65
70	73.5	218.4	16,200 *	75.3	217.6	16,600 *	77.0	215.8	14,800 *	78.8	212.9	10,700 *	70
75	72.1	216.8	14,700 *	73.9	215.9	15,100 *	75.7	214.1	14,100 *	77.4	211.2	10,400 *	75
80	70.7	215.0	13,400 *	72.5	214.2	13,800 *	74.3	212.3	13,600 *	76.0	209.4	10,100 *	80
90	67.9	211.1	11,200 *	69.7	210.2	11,600 *	71.4	208.3	12,000 *	73.1	205.3	9,500 *	90
100	65.1	206.6	9,500 *	66.8	205.6	9,800 *	68.6	203.7	10,200 *	70.2	200.6	9,000 *	100
110	62.2	201.4	8,000 *	63.9	200.5	8,400 *	65.6	198.5	8,700 *	67.2	195.3	8,500 *	110
120	59.1	195.6	6,800 *	60.9	194.6	7,100 *	62.5	192.6	7,500 *	64.1	189.3	7,800 *	120
130	56.0	189.0	5,800 *	57.8	188.0	6,100 *	59.4	185.9	6,400 *	60.8	182.5	6,700 *	130
140	52.8	181.6	4,900 *	54.5	180.6	5,200 *	56.1	178.4	5,400 *				140
150	49.4	173.3	4,100 *	51.1	172.2	4,300 *	52.6	169.9	4,600 *				150

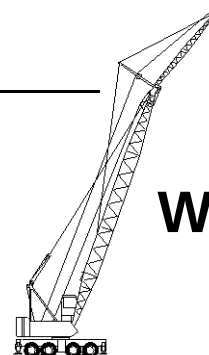
Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top

63,300 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	
180 Ft. Boom													
45	80.6	234.9	18,000 *										45
50	79.3	233.9	17,800 *										50
55	78.0	232.8	17,600 *	79.8	232.0	17,600 *							55
60	76.8	231.6	17,400 *	78.5	230.8	17,400 *	80.2	229.0	16,400 *				60
65	75.5	230.3	17,200 *	77.2	229.5	17,200 *	78.9	227.7	15,700 *	80.6	224.8	11,200 *	65
70	74.2	228.9	15,500 *	75.9	228.0	16,000 *	77.6	226.2	15,000 *	79.3	223.3	10,800 *	70
75	72.9	227.3	14,100 *	74.6	226.5	14,500 *	76.3	224.6	14,400 *	78.0	221.7	10,500 *	75
80	71.6	225.7	12,800 *	73.3	224.8	13,200 *	75.0	222.9	13,700 *	76.6	220.0	10,200 *	80
90	68.9	221.9	10,600 *	70.6	221.0	11,000 *	72.3	219.1	11,500 *	73.9	216.1	9,600 *	90
100	66.2	217.6	8,900 *	67.9	216.7	9,300 *	69.6	214.8	9,700 *	71.1	211.7	9,100 *	100
110	63.5	212.7	7,500 *	65.1	211.8	7,900 *	66.8	209.8	8,200 *	68.3	206.7	8,600 *	110
120	60.6	207.2	6,300 *	62.3	206.3	6,700 *	63.9	204.2	7,000 *	65.4	201.0	7,400 *	120
130	57.7	201.1	5,300 *	59.4	200.1	5,600 *	60.9	198.0	5,900 *	62.4	194.6	6,300 *	130
140	54.7	194.2	4,400 *	56.3	193.1	4,700 *	57.9	191.0	5,000 *				140
150							54.7	183.1	4,200 *				150

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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

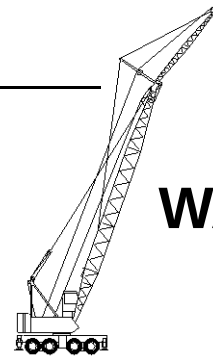


Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 Lb. Counterweight

Pick and Carry Rating Over End On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

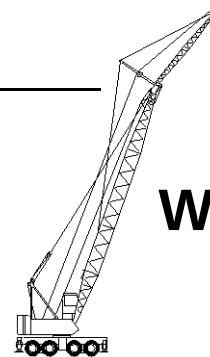
60 Ft. Fixed Jib

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	10,800 *	57.6	135.7	9,200 *	60.4	133.6	8,000 *	63.0	130.1	6,500 *	100
110	50.2	128.6	9,600 *	53.0	127.5	8,400 *	55.7	125.2	7,400 *				110
120	45.2	119.0	8,600 *	48.0	117.8	7,700 *							120
130	39.8	107.5	7,900 *										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	13,200 *	63.8	154.3	10,700 *	66.5	152.3	9,000 *	69.1	149.0	7,100 *	90
100	57.1	149.0	11,600 *	59.8	148.0	9,700 *	62.5	145.8	8,300 *	65.0	142.4	6,700 *	100
110	53.0	141.6	10,300 *	55.6	140.5	8,800 *	58.2	138.3	7,700 *	60.6	134.7	6,300 *	110
120	48.5	133.0	9,200 *	51.2	131.9	8,100 *	53.7	129.5	7,200 *				120
130	43.8	123.0	8,000 *	46.4	121.7	7,500 *							130
140	38.5	110.9	7,100 *										140

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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	14,300 *	69.0	170.8	12,500 *	71.6	168.8	10,200 *	74.1	165.6	7,800 *	80
90	62.9	166.7	13,600 *	65.5	165.8	11,200 *	68.0	163.7	9,300 *	70.5	160.4	7,300 *	90
100	59.2	160.9	11,800	61.8	159.9	10,100 *	64.3	157.8	8,600 *	66.6	154.3	6,800 *	100
110	55.4	154.2	10,300	57.9	153.1	9,200 *	60.3	150.9	8,000 *	62.6	147.3	6,400 *	110
120	51.3	146.4	9,000	53.9	145.2	8,500 *	56.2	142.9	7,500 *				120
130	47.1	137.3	7,800 *	49.5	136.1	7,900 *	51.8	133.6	7,000 *				130
140	42.5	126.8	6,800 *	44.9	125.5	7,000 *							140
150	37.4	114.2	5,800 *										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	14,300 *	70.2	181.8	13,100 *	72.7	179.8	10,400 *	75.1	176.5	7,900 *	80
90	64.4	178.0	13,500	66.9	177.0	11,700 *	69.3	175.0	9,600 *	71.6	171.6	7,400 *	90
100	61.0	172.6	11,600	63.4	171.6	10,600 *	65.8	169.4	8,800 *	68.1	166.0	7,000 *	100
110	57.4	166.3	10,000	59.9	165.3	9,600 *	62.2	163.1	8,200 *	64.4	159.5	6,600 *	110
120	53.7	159.2	8,700	56.1	158.1	9,000 *	58.4	155.7	7,700 *	60.5	152.0	6,200 *	120
130	49.9	150.9	7,500 *	52.2	149.8	7,800 *	54.4	147.3	7,300 *				130
140	45.7	141.5	6,500 *	48.0	140.2	6,800 *							140
150	41.2	130.5	5,600 *	43.5	129.1	5,900 *							150
160	36.3	117.4	4,700 *										160

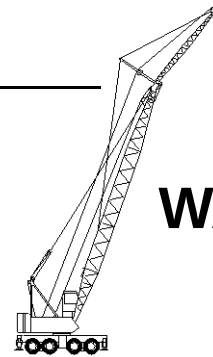


Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 Lb. Counterweight

Pick and Carry Rating Over End On Rubber

Meets
ANSI B30.5
Requirements



**222
WAGON**

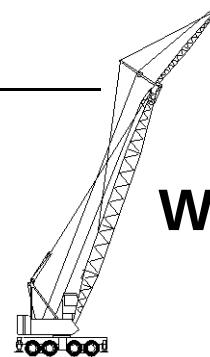
60 Ft. Fixed Jib

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	14,300 *	71.3	192.6	13,600 *	73.6	190.6	10,700 *	75.9	187.3	8,100 *	80
90	65.8	189.2	12,900 *	68.1	188.2	12,200 *	70.4	186.1	9,800 *	72.7	182.7	7,500 *	90
100	62.6	184.1	11,100 *	64.9	183.0	11,000 *	67.2	180.9	9,100 *	69.3	177.4	7,100 *	100
110	59.3	178.2	9,600 *	61.6	177.2	9,900 *	63.8	175.0	8,500 *	65.9	171.4	6,700 *	110
120	55.8	171.6	8,300 *	58.1	170.5	8,800 *	60.3	168.2	7,900 *	62.3	164.4	6,400 *	120
130	52.3	164.0	7,200 *	54.5	162.9	7,500 *	56.6	160.4	7,500 *				130
140	48.5	155.4	6,200 *	50.7	154.2	6,500 *	52.8	151.6	6,900 *				140
150	44.5	145.5	5,300 *	46.7	144.2	5,600 *							150
160	40.1	134.0	4,500 *										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	14,000 *	72.2	203.4	13,800 *	74.4	201.3	10,900 *	76.6	198.0	8,200 *	80
90	67.0	200.2	12,300 *	69.2	199.2	12,600 *	71.4	197.1	10,100 *	73.6	193.7	7,600 *	90
100	64.0	195.4	10,600 *	66.2	194.3	10,900 *	68.4	192.2	9,300 *	70.5	188.7	7,200 *	100
110	60.9	189.9	9,100 *	63.1	188.8	9,400 *	65.2	186.6	8,700 *	67.2	183.0	6,800 *	110
120	57.7	183.7	7,800 *	59.9	182.6	8,200 *	62.0	180.3	8,200 *	63.9	176.6	6,500 *	120
130	54.4	176.7	6,700 *	56.5	175.5	7,100 *	58.6	173.1	7,400 *				130
140	50.9	168.7	5,800 *	53.0	167.5	6,100 *	55.0	165.0	6,400 *				140
150	47.2	159.7	4,900 *	49.3	158.4	5,200 *	51.3	155.7	5,500 *				150
160	43.3	149.4	4,200 *	45.4	148.0	4,500 *							160

Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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	
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	13,700 *	73.1	214.0	13,700 *	75.2	212.0	11,200 *	77.3	208.6	8,300 *	80
90	68.1	211.1	11,700 *	70.3	210.1	12,100 *	72.4	207.9	10,300 *	74.4	204.5	7,800 *	90
100	65.3	206.5	9,900 *	67.4	205.5	10,300 *	69.5	203.3	9,500 *	71.5	199.8	7,300 *	100
110	62.3	201.4	8,500 *	64.5	200.3	8,800 *	66.5	198.1	8,900 *	68.4	194.5	6,900 *	110
120	59.3	195.6	7,200 *	61.4	194.5	7,600 *	63.4	192.2	7,900 *	65.3	188.5	6,600 *	120
130	56.2	189.0	6,200 *	58.3	187.9	6,500 *	60.3	185.5	6,900 *	62.1	181.6	6,300 *	130
140	53.0	181.6	5,300 *	55.1	180.4	5,600 *	57.0	177.9	5,900 *				140
150	49.6	173.3	4,500 *	51.7	172.0	4,800 *	53.5	169.4	5,100 *				150
160				48.1	162.6	4,000 *							160
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	13,200 *	73.8	224.6	13,500 *	75.9	222.5	11,400 *	77.9	219.2	8,400 *	80
90	69.1	221.9	11,100 *	71.2	220.9	11,500 *	73.2	218.7	10,500 *	75.2	215.3	7,900 *	90
100	66.4	217.6	9,400 *	68.4	216.6	9,800 *	70.4	214.4	9,800 *	72.4	210.9	7,400 *	100
110	63.6	212.7	8,000 *	65.7	211.7	8,300 *	67.6	209.4	8,700 *	69.5	205.8	7,000 *	110
120	60.8	207.2	6,800 *	62.8	206.1	7,100 *	64.8	203.8	7,500 *	66.6	200.1	6,700 *	120
130	57.9	201.1	5,700 *	59.9	199.9	6,100 *	61.8	197.5	6,400 *	63.5	193.7	6,400 *	130
140	54.9	194.1	4,800 *	56.9	193.0	5,200 *	58.7	190.5	5,500 *				140
150	51.7	186.4	4,100 *	53.7	185.2	4,400 *	55.5	182.6	4,700 *				150

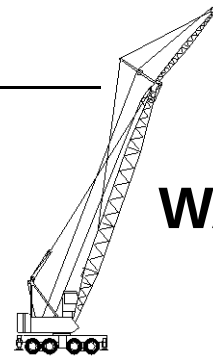


Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 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	
180 Ft. Boom													
50	79.9	244.1	13,700 *										50
55	78.7	243.1	13,600 *	80.7	242.1	13,900 *							55
60	77.5	241.9	13,400 *	79.5	240.9	13,800 *							60
65	76.3	240.7	13,300 *	78.3	239.7	13,800 *	80.3	237.6	13,200 *				65
70	75.0	239.3	13,100 *	77.0	238.3	13,700 *	79.0	236.2	12,600 *	81.0	232.9	9,000 *	70
75	73.8	237.8	13,100 *	75.8	236.8	13,500 *	77.8	234.7	12,100 *	79.7	231.3	8,700 *	75
80	72.6	236.2	12,700 *	74.5	235.2	13,200 *	76.5	233.1	11,600 *	78.4	229.7	8,400 *	80
90	70.0	232.6	10,500 *	72.0	231.6	11,000 *	73.9	229.4	10,700 *	75.8	226.0	7,900 *	90
100	67.5	228.5	8,800 *	69.4	227.5	9,300 *	71.3	225.3	9,700 *	73.2	221.8	7,500 *	100
110	64.8	223.9	7,400 *	66.8	222.8	7,800 *	68.7	220.6	8,300 *	70.5	217.0	7,100 *	110
120	62.1	218.7	6,300 *	64.1	217.6	6,700 *	65.9	215.3	7,000 *	67.7	211.6	6,800 *	120
130	59.4	212.9	5,300 *	61.3	211.8	5,600 *	63.1	209.4	6,000 *	64.8	205.6	6,400 *	130
140	56.6	206.4	4,400 *	58.5	205.2	4,700 *	60.3	202.8	5,100 *	61.9	198.8	5,400 *	140
150				55.5	197.9	4,000 *	57.3	195.4	4,300 *				150