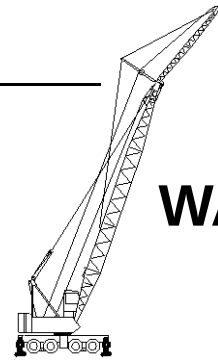


Liftcrane Jib Capacities

Jib No. 10 With 12 Ft. 6 in. Strut On
Boom No. 222 With Open Throat Top
63,300 Lb. Counterweight
360 Degree Rating On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



Manitowoc

222
WAGON

LIFTING CAPACITIES: Chart supplements boom capacity chart **No. 9185-A**. Lifting capacities for various boom lengths, jib lengths and jib operating radii are for freely suspended loads and do not exceed 85% 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 and outriggers fully extended (16 Ft. 9-1/4 in.) and set. Refer to boom rigging **No. A07956**, jib assembly **No. 911092** and Wire Rope Specification chart **No. 9191-A**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, wind conditions, as well as adverse

operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line. Boom angle is angle between horizontal and centerline of boom butt and inserts, and is an indication of operating radius. In all cases, operating radius shall govern capacity.

JIB POINT ELEVATION: Jib point elevation is vertical distance from ground level to centerline of jib point shaft.

MACHINE EQUIPMENT: Machine equipped with Manitowoc 8 x 4 wagon, 156 in. wheel base, 12 Ft. 0-3/4 in. front and rear axle track, 14.00 x 24 tires, 30-5/8 in. front and rear outrigger extensions, 15 Ft. 6 in. retractable gantry, 10 part boom hoist reeving, two 1-1/4 in. boom pendants, 1st counterweight = 28,500 Lbs., 2nd counterweight = 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.			

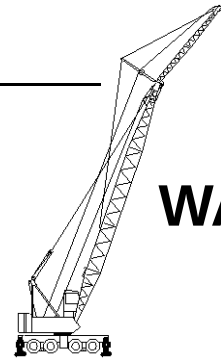
Liftcrane Jib Capacities

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

63,300 Lb. Counterweight

360 Degree Rating On Fully Extended Outriggers

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	19,300 *	47.9	78.9	17,300 *	49.9	77.7	15,300 *				75
80	41.4	74.0	17,600 *	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	19,100 *	52.6	92.4	19,400 *	54.5	91.3	16,200 *				75
80	47.0	88.4	17,400 *	49.1	87.9	17,600 *	51.0	86.8	15,500 *				80
90	39.4	77.6	14,600 *	41.4	77.1	14,800 *							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	20,000 *	59.1	108.6	20,000 *	61.0	107.5	18,000 *	62.7	105.7	14,200 *	70
75	54.3	105.5	19,000 *	56.3	105.1	19,300 *	58.1	104.0	17,100 *	59.7	102.1	13,600 *	75
80	51.3	101.7	17,300 *	53.2	101.2	17,600 *	55.0	100.1	16,300 *				80
90	44.9	92.6	14,500 *	46.8	92.1	14,700 *							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
360 Degree Rating On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



**222
WAGON**

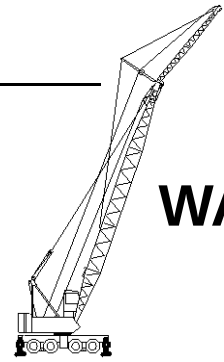
30 Ft. Fixed Jib

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	20,000 *	61.8	120.3	20,000 *	63.5	119.3	18,800 *	65.2	117.5	14,600 *	70
75	57.4	117.7	18,900 *	59.2	117.2	19,200 *	60.9	116.2	17,900 *	62.5	114.3	14,100 *	75
80	54.8	114.3	17,200 *	56.6	113.8	17,500 *	58.2	112.7	17,400 *	59.8	110.8	13,600 *	80
90	49.2	106.4	14,400 *	50.9	105.9	14,600 *	52.5	104.7	14,800 *				90
100	43.1	96.6	12,200 *	44.8	96.1	12,400 *							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	20,000 *	64.0	131.8	20,000 *	65.6	130.7	19,600 *	67.2	129.0	15,100 *	70
75	60.0	129.4	18,800 *	61.7	129.0	18,900 *	63.3	127.9	19,000 *	64.8	126.1	14,500 *	75
80	57.6	126.3	17,100 *	59.3	125.9	17,400 *	60.8	124.8	17,600 *	62.3	122.9	14,000 *	80
90	52.6	119.3	14,200 *	54.3	118.8	14,500 *	55.8	117.7	14,700 *				90
100	47.3	110.8	12,000 *	48.9	110.3	12,200 *	50.4	109.0	12,400 *				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	19,800 *	65.9	143.0	19,900 *	67.4	142.0	20,000 *	68.9	140.2	15,400 *	70
75	62.2	140.9	18,200 *	63.7	140.4	18,300 *	65.2	139.4	18,400 *	66.7	137.6	14,900 *	75
80	60.0	138.1	16,800 *	61.6	137.6	16,900 *	63.0	136.6	17,000 *	64.4	134.7	14,400 *	80
90	55.5	131.7	14,000 *	57.0	131.2	14,300 *	58.5	130.1	14,500 *	59.8	128.1	13,600 *	90
100	50.7	124.1	11,800 *	52.2	123.6	12,000 *	53.6	122.4	12,200 *				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
 360 Degree Rating On Fully Extended Outriggers

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

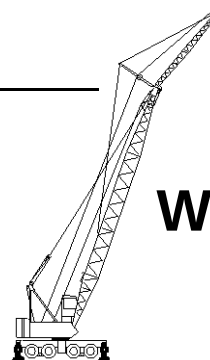
30 Ft. Fixed Jib

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	19,200 *	67.5	154.0	19,300 *	68.9	153.0	19,500 *	70.3	151.2	15,800 *	70
75	64.0	152.1	17,600 *	65.5	151.7	17,700 *	66.9	150.6	17,800 *	68.3	148.8	15,300 *	75
80	62.0	149.5	16,200 *	63.5	149.1	16,400 *	64.9	148.0	16,500 *	66.2	146.2	14,800 *	80
90	57.9	143.7	13,800 *	59.4	143.2	14,000 *	60.7	142.1	14,200 *	62.0	140.2	14,100 *	90
100	53.6	136.8	11,600 *	55.0	136.3	11,800 *	56.3	135.2	12,000 *				100
110	49.0	128.7	9,800 *	50.4	128.2	9,900 *	51.7	126.9	10,100 *				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	16,900 *	67.1	162.7	17,100 *	68.4	161.7	17,400 *	69.7	159.9	15,600 *	75
80	63.8	160.8	15,700 *	65.2	160.3	15,900 *	66.5	159.3	16,000 *	67.8	157.5	15,100 *	80
90	60.0	155.4	13,400 *	61.4	154.9	13,600 *	62.7	153.8	13,700 *	63.9	151.9	13,800 *	90
100	56.0	149.1	11,400 *	57.4	148.6	11,600 *	58.7	147.5	11,800 *	59.8	145.5	11,900 *	100
110	51.9	141.7	9,500 *	53.2	141.2	9,800 *	54.4	140.0	10,000 *				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
360 Degree Rating On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



**222
WAGON**

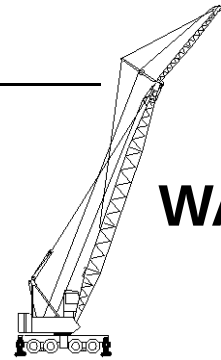
30 Ft. Fixed Jib

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	11,500 *	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
 360 Degree Rating On Fully Extended Outriggers

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

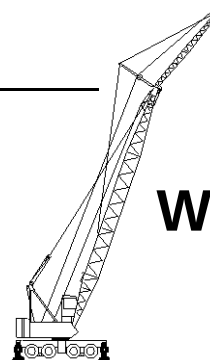
30 Ft. Fixed Jib

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
360 Degree Rating On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



**222
WAGON**

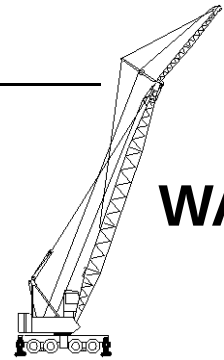
30 Ft. Fixed Jib

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	
190 Ft. Boom													
40	80.8	225.7	17,200 *										40
45	79.5	224.8	17,100 *	80.6	224.4	20,000 *							45
50	78.2	223.8	16,600 *	79.3	223.4	20,000 *	80.3	222.4	20,000 *				50
55	76.8	222.7	16,600 *	77.9	222.2	20,000 *	79.0	221.2	20,000 *	80.1	219.5	19,400 *	55
60	75.5	221.4	16,600 *	76.6	221.0	19,100 *	77.7	220.0	19,600 *	78.7	218.2	18,700 *	60
65	74.1	220.0	16,600 *	75.2	219.6	17,100 *	76.3	218.6	17,500 *	77.4	216.8	18,000 *	65
70	72.8	218.5	15,100 *	73.9	218.1	15,400 *	74.9	217.1	15,800 *	76.0	215.3	16,200 *	70
75	71.4	216.9	13,600 *	72.5	216.5	13,900 *	73.6	215.4	14,300 *	74.6	213.6	14,700 *	75
80	70.0	215.1	12,300 *	71.1	214.7	12,600 *	72.2	213.6	12,900 *	73.2	211.8	13,300 *	80
90	67.3	211.2	10,200 *	68.3	210.7	10,500 *	69.4	209.7	10,700 *	70.4	207.8	11,100 *	90
100	64.4	206.7	8,500 *	65.5	206.2	8,700 *	66.5	205.1	9,000 *	67.5	203.2	9,300 *	100
110	61.5	201.5	7,100 *	62.6	201.0	7,300 *	63.6	199.9	7,500 *	64.5	198.0	7,800 *	110
120	58.5	195.7	5,900 *	59.5	195.2	6,100 *	60.5	194.0	6,300 *	61.4	192.0	6,500 *	120
130	55.4	189.1	4,900 *	56.4	188.6	5,100 *	57.4	187.4	5,300 *				130
140	52.2	181.7	4,000 *	53.2	181.2	4,200 *	54.1	180.0	4,300 *				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
360 Degree Rating On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



**222
WAGON**

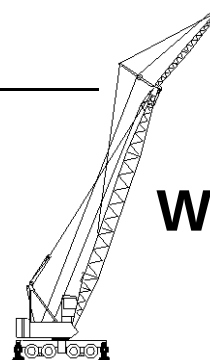
40 Ft. Fixed Jib

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	20,000 *	63.0	120.0	17,000 *	65.3	118.6	14,300 *	67.6	116.3	11,300 *	70
75	58.1	117.6	19,400 *	60.4	116.9	15,900 *	62.7	115.5	13,600 *	64.9	113.1	10,900 *	75
80	55.4	114.2	17,700 *	57.8	113.5	15,000 *	60.0	112.0	13,000 *	62.1	109.6	10,500 *	80
90	49.8	106.3	14,800 *	52.1	105.6	13,400 *	54.3	103.9	11,900 *				90
100	43.7	96.6	12,600 *	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
360 Degree Rating On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



**222
WAGON**

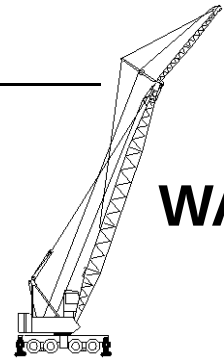
40 Ft. Fixed Jib

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	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	20,000 *	65.1	131.5	18,100 *	67.3	130.1	14,900 *	69.4	127.8	11,600 *	70
75	60.6	129.3	19,300 *	62.8	128.7	16,900 *	64.9	127.2	14,200 *	67.0	124.9	11,200 *	75
80	58.2	126.3	17,500 *	60.4	125.6	15,900 *	62.5	124.1	13,500 *	64.5	121.7	10,800 *	80
90	53.2	119.2	14,700 *	55.4	118.5	14,800 *	57.4	116.9	12,400 *				90
100	47.9	110.7	12,500 *	50.0	109.9	12,700 *	52.0	108.2	11,500 *				100
110	42.0	100.4	10,700 *	44.1	99.5	10,800 *							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 *										40
45	75.1	152.9	20,000 *	79.1	153.6	20,000 *	79.3	151.0	20,000 *				45
50	73.1	151.4	20,000 *	77.2	152.3	20,000 *	77.3	149.4	19,500 *	79.4	147.3	14,200 *	50
55	71.1	149.7	20,000 *	75.2	150.8	20,000 *	75.3	147.7	18,300 *	77.3	145.5	13,500 *	55
60	69.0	147.8	20,000 *	73.2	149.1	20,000 *	73.2	145.8	17,200 *	75.2	143.5	12,900 *	60
65	67.0	145.7	20,000 *	71.1	147.2	20,000 *	71.1	143.7	16,300 *	73.1	141.4	12,400 *	65
70	64.9	143.4	20,000 *	69.0	145.0	20,000 *	69.0	141.3	15,500 *	70.9	139.0	11,900 *	70
75	62.7	140.8	18,800 *	66.9	142.7	19,100 *	66.8	141.3	15,500 *	68.7	136.3	11,500 *	75
80	60.6	138.0	17,400 *	64.8	140.1	17,900 *	66.8	138.7	14,700 *				80
90	56.1	131.6	14,500 *	62.6	137.3	17,500 *	64.6	135.9	14,100 *	66.5	133.4	11,100 *	90
100	51.3	124.0	12,300 *	58.1	130.9	14,900 *	60.0	129.4	12,900 *	61.8	126.8	10,400 *	100
110	46.2	115.0	10,500 *	53.3	123.3	12,600 *	55.1	121.6	12,000 *				110
120	40.5	104.1	9,100 *	48.1	114.2	10,700 *							120
130	34.1	90.5	7,800 *	42.4	103.1	9,200 *							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
 360 Degree Rating On Fully Extended Outriggers

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

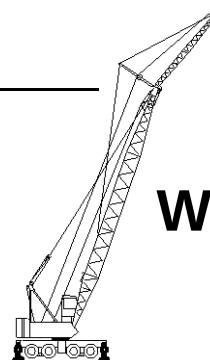
40 Ft. Fixed Jib

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	19,700 *	68.5	153.7	19,800 *	70.4	152.3	16,000 *	72.3	150.0	12,200 *	70
75	64.6	152.0	18,200 *	66.5	151.4	18,300 *	68.4	149.9	15,300 *	70.2	147.5	11,700 *	75
80	62.6	149.5	16,800 *	64.5	148.8	16,900 *	66.4	147.3	14,600 *	68.2	144.9	11,300 *	80
90	58.4	143.6	14,300 *	60.3	142.9	14,600 *	62.2	141.4	13,400 *	63.9	138.8	10,700 *	90
100	54.1	136.7	12,000 *	56.0	136.0	12,300 *	57.8	134.4	12,600 *				100
110	49.5	128.6	10,200 *	51.4	127.9	10,500 *	53.1	126.1	10,700 *				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	19,100 *	69.8	164.6	19,300 *	71.6	163.2	16,500 *	73.4	160.9	12,400 *	70
75	66.2	163.1	17,600 *	68.0	162.4	17,700 *	69.8	161.0	15,800 *	71.5	158.6	12,000 *	75
80	64.3	160.7	16,200 *	66.1	160.0	16,400 *	67.9	158.6	15,100 *	69.6	156.1	11,600 *	80
90	60.5	155.3	13,900 *	62.3	154.6	14,100 *	64.0	153.1	14,200 *	65.7	150.6	10,900 *	90
100	56.5	149.0	11,800 *	58.3	148.3	12,200 *	60.0	146.7	12,300 *	61.6	144.0	10,300 *	100
110	52.4	141.7	10,000 *	54.1	140.9	10,300 *	55.8	139.2	10,500 *				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
360 Degree Rating On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



**222
WAGON**

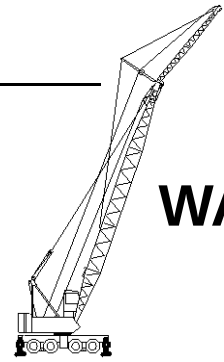
40 Ft. Fixed Jib

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	13,500 *	64.0	166.1	13,600 *	65.6	164.6	13,800 *	67.2	162.0	11,100 *	90
100	58.6	161.0	11,600 *	60.3	160.2	11,800 *	61.9	158.6	11,900 *	63.4	156.0	10,500 *	100
110	54.8	154.2	9,800 *	56.5	153.4	10,100 *	58.0	151.8	10,400 *				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	10,100 *	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
 360 Degree Rating On Fully Extended Outriggers

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

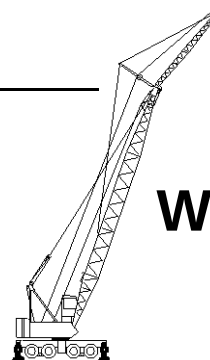
40 Ft. Fixed Jib

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
360 Degree Rating On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



**222
WAGON**

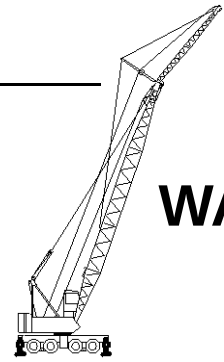
40 Ft. Fixed Jib

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
190 Ft. Boom													
45	80.3	234.9	17,000 *										45
50	79.1	234.0	17,000 *	80.4	233.3	20,000 *							50
55	77.8	232.9	17,000 *	79.2	232.2	20,000 *	80.5	230.8	20,000 *				55
60	76.5	231.7	17,000 *	77.9	231.0	19,200 *	79.3	229.6	19,900 *	80.6	227.1	14,500 *	60
65	75.2	230.4	16,700 *	76.6	229.7	17,200 *	78.0	228.2	17,800 *	79.3	225.8	14,000 *	65
70	73.9	228.9	15,000 *	75.3	228.3	15,500 *	76.7	226.8	16,000 *	78.0	224.3	13,600 *	70
75	72.6	227.4	13,500 *	74.0	226.7	14,000 *	75.3	225.2	14,500 *	76.7	222.8	13,200 *	75
80	71.3	225.7	12,300 *	72.7	225.0	12,700 *	74.0	223.5	13,100 *	75.3	221.0	12,800 *	80
90	68.7	221.9	10,100 *	70.0	221.2	10,500 *	71.3	219.7	10,900 *	72.6	217.2	11,400 *	90
100	66.0	217.7	8,500 *	67.3	216.9	8,800 *	68.6	215.4	9,100 *	69.9	212.8	9,500 *	100
110	63.2	212.8	7,100 *	64.5	212.0	7,400 *	65.8	210.4	7,700 *	67.0	207.8	8,000 *	110
120	60.4	207.3	5,900 *	61.7	206.5	6,200 *	63.0	204.9	6,500 *	64.1	202.2	6,800 *	120
130	57.5	201.1	4,900 *	58.8	200.3	5,100 *	60.0	198.6	5,400 *	61.1	195.8	5,700 *	130
140	54.4	194.2	4,000 *	55.7	193.4	4,300 *	56.9	191.6	4,500 *				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
 360 Degree Rating On Fully Extended Outriggers

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

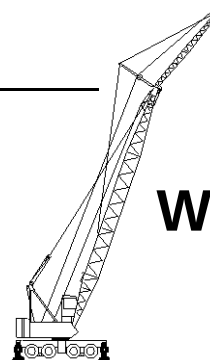
50 Ft. Fixed Jib

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
360 Degree Rating On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



**222
WAGON**

50 Ft. Fixed Jib

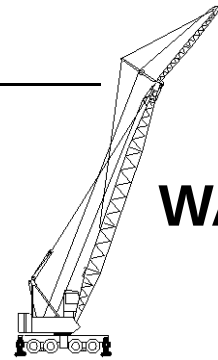
Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib Point Elev. Feet	Jib Capacity Pounds	Boom Ang. Deg.	Jib 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	14,300 *	59.0	130.7	11,800 *	61.5	128.9	10,200 *	63.8	125.9	8,300 *	90
100	51.7	124.0	12,500 *	54.2	123.1	10,700 *	56.6	121.1	9,500 *				100
110	46.6	114.9	10,900 *	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	18,700 *	67.4	151.2	14,800 *	69.8	149.5	12,100 *	72.1	146.7	9,400 *	75
80	63.0	149.4	17,300 *	65.4	148.6	14,000 *	67.8	146.8	11,600 *	70.0	144.0	9,100 *	80
90	58.8	143.6	14,800 *	61.2	142.7	12,500 *	63.5	140.9	10,600 *	65.7	137.9	8,500 *	90
100	54.5	136.7	12,500 *	56.9	135.8	11,300 *	59.1	133.8	9,800 *	61.2	130.7	8,000 *	100
110	49.9	128.6	10,700 *	52.2	127.6	10,300 *	54.4	125.5	9,200 *				110
120	45.0	119.0	9,200 *	47.3	118.0	9,400 *							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
360 Degree Rating On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



**222
WAGON**

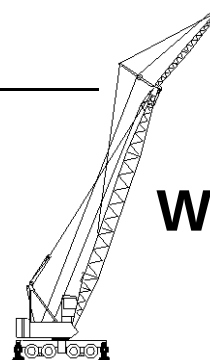
50 Ft. Fixed Jib

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	18,100 *	68.8	162.2	15,600 *	71.1	160.5	12,500 *	73.3	157.7	9,600 *	75
80	64.7	160.7	16,700 *	67.0	159.8	14,600 *	69.2	158.1	12,000 *	71.4	155.2	9,300 *	80
90	60.9	155.3	14,400 *	63.1	154.4	13,100 *	65.3	152.6	11,000 *	67.4	149.6	8,700 *	90
100	56.9	149.0	12,300 *	59.1	148.1	11,900 *	61.3	146.1	10,200 *	63.3	143.0	8,200 *	100
110	52.7	141.6	10,400 *	54.9	140.7	10,700 *	57.0	138.6	9,500 *				110
120	48.3	133.0	8,900 *	50.5	132.0	9,200 *	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	17,500 *	70.1	173.2	16,200 *	72.2	171.4	12,900 *	74.3	168.6	9,800 *	75
80	66.2	171.8	16,200 *	68.3	170.9	15,300 *	70.5	169.1	12,300 *	72.5	166.3	9,500 *	80
90	62.6	166.8	13,900 *	64.8	165.9	14,100 *	66.9	164.0	11,300 *	68.9	161.1	8,900 *	90
100	59.0	160.9	12,000 *	61.1	160.0	12,200 *	63.1	158.1	10,500 *	65.0	155.0	8,400 *	100
110	55.1	154.2	10,200 *	57.2	153.2	10,500 *	59.2	151.2	9,800 *	61.1	148.0	7,900 *	110
120	51.1	146.4	8,700 *	53.2	145.4	9,000 *	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
360 Degree Rating On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



**222
WAGON**

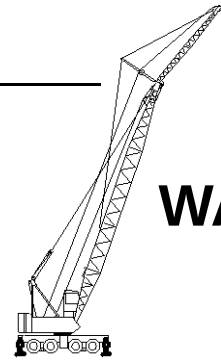
50 Ft. Fixed Jib

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	11,600 *	62.8	171.7	11,800 *	64.7	169.8	10,800 *	66.6	166.7	8,500 *	100
110	57.2	166.4	10,000 *	59.2	165.4	10,300 *	61.1	163.4	10,100 *	62.9	160.2	8,100 *	110
120	53.5	159.2	8,500 *	55.5	158.2	8,800 *	57.4	156.1	9,100 *				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
 360 Degree Rating On Fully Extended Outriggers

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

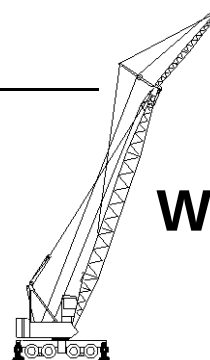
50 Ft. Fixed Jib

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
 360 Degree Rating On Fully Extended Outriggers

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

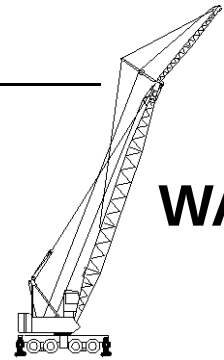
50 Ft. Fixed Jib

Jib Oper. Rad. Feet	0 Degree Offset			10 Degree Offset			20 Degree Offset			30 Degree Offset			Jib Oper. Rad. Feet
	Boom	Jib	Jib Capacity Pounds	Boom	Jib	Jib Capacity Pounds	Boom	Jib	Jib Capacity Pounds	Boom	Jib	Jib Capacity Pounds	
	Ang. Deg.	Point Elev. Feet		Ang. Deg.	Point Elev. Feet		Ang. Deg.	Point Elev. Feet		Ang. Deg.	Point Elev. Feet		
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
190 Ft. Boom													
45	81.0	245.0	16,900 *										45
50	79.8	244.1	16,900 *										50
55	78.6	243.1	16,700 *	80.2	242.2	17,000 *							55
60	77.3	241.9	16,700 *	79.0	241.1	16,900 *	80.7	239.3	16,600 *				60
65	76.1	240.7	16,500 *	77.8	239.8	16,700 *	79.4	238.0	16,000 *				65
70	74.9	239.3	14,900 *	76.5	238.4	15,500 *	78.2	236.6	15,300 *	79.8	233.7	10,900 *	70
75	73.6	237.8	13,500 *	75.3	236.9	14,000 *	76.9	235.1	14,600 *	78.5	232.1	10,600 *	75
80	72.4	236.2	12,200 *	74.0	235.3	12,700 *	75.7	233.5	13,200 *	77.2	230.5	10,300 *	80
90	69.9	232.6	10,100 *	71.5	231.7	10,500 *	73.1	229.9	11,000 *	74.6	226.8	9,700 *	90
100	67.3	228.6	8,400 *	68.9	227.6	8,800 *	70.5	225.7	9,200 *	72.0	222.6	9,200 *	100
110	64.7	223.9	7,000 *	66.3	223.0	7,400 *	67.8	221.0	7,800 *	69.3	217.9	8,200 *	110
120	62.0	218.7	5,800 *	63.6	217.8	6,200 *	65.1	215.7	6,500 *	66.5	212.5	6,900 *	120
130	59.2	212.9	4,900 *	60.8	211.9	5,200 *	62.3	209.8	5,500 *	63.7	206.5	5,800 *	130
140	56.4	206.4	4,000 *	58.0	205.4	4,300 *	59.4	203.2	4,600 *	60.8	199.8	4,900 *	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
 360 Degree Rating On Fully Extended Outriggers

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

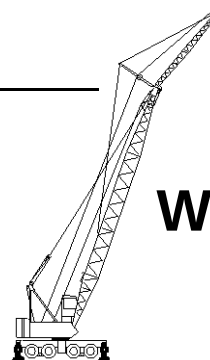
60 Ft. Fixed Jib

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
360 Degree Rating On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



**222
WAGON**

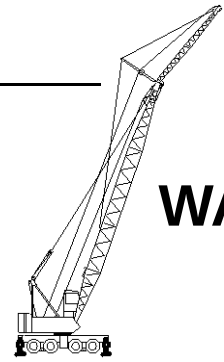
60 Ft. Fixed Jib

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
 360 Degree Rating On Fully Extended Outriggers

Meets
 ANSI B30.5
 Requirements



**222
 WAGON**

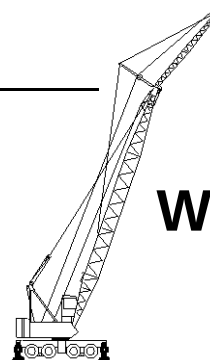
60 Ft. Fixed Jib

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	12,300 *	61.8	159.9	10,100 *	64.3	157.8	8,600 *	66.6	154.3	6,800 *	100
110	55.4	154.2	10,600 *	57.9	153.1	9,200 *	60.3	150.9	8,000 *	62.6	147.3	6,400 *	110
120	51.3	146.4	9,100 *	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	13,800 *	66.9	177.0	11,700 *	69.3	175.0	9,600 *	71.6	171.6	7,400 *	90
100	61.0	172.6	12,000 *	63.4	171.6	10,600 *	65.8	169.4	8,800 *	68.1	166.0	7,000 *	100
110	57.4	166.3	10,400 *	59.9	165.3	9,600 *	62.2	163.1	8,200 *	64.4	159.5	6,600 *	110
120	53.7	159.2	8,800 *	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
360 Degree Rating On Fully Extended Outriggers

Meets
ANSI B30.5
Requirements



**222
WAGON**

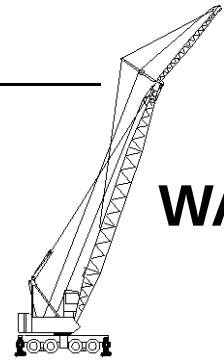
60 Ft. Fixed Jib

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	9,000 *	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	7,000 *				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
 360 Degree Rating On Fully Extended Outriggers

Meets
 ANSI B30.5
 Requirements



222 WAGON

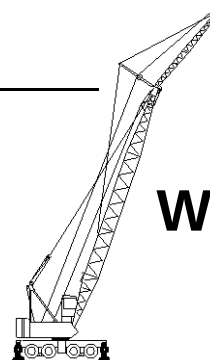
60 Ft. Fixed Jib

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
 360 Degree Rating On Fully Extended Outriggers

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
190 Ft. Boom													
50	80.3	254.3	13,100 *										50
55	79.2	253.3	13,000 *										55
60	78.0	252.2	12,900 *	79.9	251.2	13,400 *							60
65	76.8	251.0	12,800 *	78.8	250.0	13,300 *	80.7	247.9	13,000 *				65
70	75.7	249.7	12,700 *	77.6	248.7	13,300 *	79.5	246.6	12,800 *				70
75	74.5	248.3	12,600 *	76.4	247.2	13,200 *	78.3	245.1	12,300 *	80.2	241.7	8,800 *	75
80	73.3	246.7	12,100 *	75.2	245.7	12,600 *	77.1	243.6	11,800 *	78.9	240.1	8,500 *	80
90	70.9	243.3	10,000 *	72.8	242.3	10,500 *	74.6	240.1	10,900 *	76.4	236.6	8,000 *	90
100	68.4	239.4	8,300 *	70.3	238.4	8,800 *	72.1	236.1	9,300 *	73.9	232.6	7,600 *	100
110	65.9	235.0	6,900 *	67.8	233.9	7,400 *	69.6	231.7	7,800 *	71.3	228.1	7,200 *	110
120	63.4	230.1	5,800 *	65.2	229.0	6,200 *	67.0	226.7	6,600 *	68.7	223.0	6,900 *	120
130	60.7	224.5	4,800 *	62.6	223.4	5,200 *	64.4	221.1	5,600 *	66.0	217.3	5,900 *	130
140				59.9	217.2	4,300 *	61.6	214.8	4,600 *	63.2	210.9	5,000 *	140