



# Liftcrane Fixed Jib Capacities

**60 Ft. Fixed Jib No. 134 At  
5 Degree Offset Angle On  
190 Ft. Luffing Jib No. 149 On  
110 Ft. Boom No. 82  
219,600 Lb. Crane Counterweight  
80,000 Lb. Carbody Counterweight  
360 Degree Rating**

**Designed And Tested  
With The Intent To  
Be In The Scope of  
ANSI B30.5**

## 999 SERIES 3

**LIFTING CAPACITIES:** Lifting capacities for boom length, boom angles, luffing jib length, luffing jib angles, fixed jib length, and fixed 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 (\*).

Consult Luffing Jib Raising Procedure chart **No. 8422-B** for Maximum Number of Lower Boom Point Sheaves (Layout Jack-Knife Method table, column A).

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom, luffing jib point and fixed jib point sheaves, is considered part of fixed jib load. Boom, luffing jib and fixed 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 bearing turntable level within a tolerance of 1/2 in. in 10 Ft. and properly supported. During operation, boom must be maintained at one of the selected angles shown in chart. Refer to fixed jib assembly **No. 196404**, luffing jib assembly **No. A01031**, Wire Rope Specification chart **No. 8357-B** and Luffing Jib Raising Procedure chart **No. 8422-B**. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to operators manual for operating guidelines.

**MACHINE TRAVEL:** Machine to travel on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8360-B**.

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

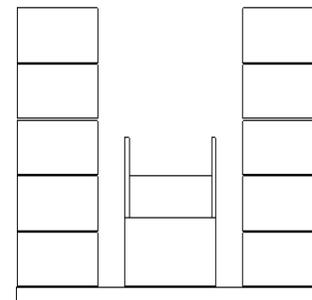
**FIXED JIB POINT ELEVATION:** Fixed jib point elevation is vertical distance from ground level to centerline of fixed jib point shaft.

**MACHINE EQUIPMENT:** Machine equipped with 28 Ft. 2 in. crawlers, 48 in. treads, 10 Ft. 3 in. retractable gantry, 30 Ft. live mast, 20 part boom hoist reeving, boom support straps, 9 part luffing jib hoist reeving, luffing jib straps, two 1-1/2 in. luffing jib backstay pendants, 219,600 Lb. crane counterweight, two 22,000 Lb. and two 18,000 Lb. carbody counterweights.

Maximum capacity on 26 mm wire rope is 29,500 Lbs. per line (20,000 Lbs. on 26 mm or 1 in. wire rope when auxiliary drum is used).

Consult chart **No. 8419-A** for luffing jib capacities.

Lower boom point and intermediate fall cannot be used when using this chart.



219,600 Lb. Crane Counterweight  
10 Side Boxes - 1 Center Box

**Boom Catwalks Deduct**  
Deduct 300 Lbs. from capacities  
when boom catwalks are attached.



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### 110 Ft. Boom, 190 Ft. Luffing Jib, 60 Ft. Fixed Jib

Fixed Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Fixed Jib Oper. Rad. Feet
	Luffing Jib Angle Degrees	Fixed Jib Point Elev. Feet	Fixed Jib Capacity Pounds	Luffing Jib Angle Degrees	Fixed Jib Point Elev. Feet	Fixed Jib Capacity Pounds	Luffing Jib Angle Degrees	Fixed Jib Point Elev. Feet	Fixed Jib Capacity Pounds	Luffing Jib Angle Degrees	Fixed Jib Point Elev. Feet	Fixed Jib Capacity Pounds	
85	74.4	359.9	21,700*										85
90	73.2	358.3	21,500*										90
95	72.0	356.6	21,300*	72.9	357.6	21,500*							95
100	70.8	354.8	21,200*	71.7	355.9	21,300*							100
105	69.6	352.9	21,000*	70.5	354.1	21,100*							105
110	68.3	350.9	20,800*	69.3	352.2	20,900*							110
115	67.1	348.7	20,600*	68.0	350.1	20,700*	69.5	351.8	20,700*				115
120	65.9	346.4	20,300*	66.8	347.9	20,500*	68.2	349.7	20,400*				120
125	64.6	344.0	20,100*	65.6	345.6	20,300*	67.0	347.6	20,300*				125
130	63.3	341.4	19,900*	64.3	343.1	20,100*	65.7	345.2	20,100*				130
135	62.0	338.7	19,800*	63.0	340.5	19,900*	64.5	342.8	20,000*	65.9	344.6	19,800*	135
140	60.7	335.8	19,600*	61.7	337.8	19,700*	63.2	340.2	19,800*	64.6	342.2	19,600*	140
145	59.4	332.8	19,400*	60.4	334.9	19,600*	61.9	337.5	19,600*	63.4	339.6	19,500*	145
150	58.1	329.6	19,100*	59.1	331.8	19,400*	60.6	334.6	19,400*	62.1	336.9	19,400*	150
155	56.7	326.3	18,400*	57.7	328.6	19,200*	59.3	331.6	19,300*	60.8	334.0	19,200*	155
160	55.3	322.8	17,600*	56.4	325.2	18,500*	57.9	328.4	19,100*	59.5	331.0	19,000*	160
165	53.9	319.1	16,800*	55.0	321.6	17,900*	56.6	325.0	18,900*	58.1	327.9	18,900*	165
170	52.4	315.1	16,000*	53.6	317.9	17,200*	55.2	321.5	18,300*	56.7	324.5	18,700*	170
175	51.0	311.0	15,300*	52.1	313.9	16,600*	53.8	317.8	17,700*	55.4	321.0	18,500*	175
180	49.5	306.7	14,600*	50.6	309.8	16,100*	52.3	313.8	17,100*	54.0	317.3	18,000*	180
185	47.9	302.1	13,900*	49.1	305.4	15,600*	50.8	309.7	16,500*	52.5	313.4	17,400*	185
190	46.4	297.3	13,300*	47.6	300.7	15,100*	49.3	305.4	16,000*	51.0	309.3	16,800*	190
195	44.7	292.2	12,700*	46.0	295.8	14,600*	47.8	300.8	15,400*	49.5	305.0	16,300*	195
200	43.1	286.8	12,100*	44.4	290.7	14,100*	46.2	295.9	15,000*	48.0	300.4	15,800*	200
205	41.3	281.0	11,500*	42.7	285.2	13,700*	44.6	290.8	14,500*	46.4	295.6	15,300*	205
210	39.6	274.9	11,000*	40.9	279.4	13,100*	42.9	285.3	14,100*	44.8	290.5	14,800*	210
215	37.7	268.4	10,500*	39.1	273.2	12,500*	41.2	279.6	13,700*	43.2	285.1	14,400*	215
220	35.7	261.4	10,100*	37.2	266.5	12,000*	39.4	273.4	13,300*	41.4	279.4	14,000*	220
225	33.7	253.9	9,600*	35.3	259.4	11,400*	37.5	266.9	12,900*	39.6	273.3	13,600*	225
230	31.5	245.7	9,200*	33.2	251.7	10,900*	35.6	259.8	12,500*	37.8	266.8	13,200*	230
235	29.2	236.8	8,900*	31.0	243.4	10,400*	33.5	252.2	12,200*	35.8	259.8	12,800*	235
240	26.7	226.8	8,500*	28.6	234.2	10,000*	31.3	244.0	11,900*	33.8	252.3	12,500*	240
245	23.9	215.7	8,200*	26.1	224.1	9,600*	29.0	235.0	11,400*	31.6	244.2	12,100*	245
250	20.8	202.8	7,900*	23.2	212.6	9,200*	26.4	225.0	10,800*	29.3	235.3	11,500*	250
255	17.0	187.1	7,700*	20.0	199.1	8,800*	23.6	213.7	10,200*	26.8	225.4	10,900*	255
260	12.2	166.2	7,500*	16.0	182.6	8,600*	20.5	200.6	9,700*	24.0	214.3	10,300*	260
265				10.7	159.5	7,500*	16.7	184.6	9,100*	20.9	201.5	9,700*	265
270							11.6	162.9	8,200*	17.2	186.0	9,200*	270
275										12.4	165.5	8,600*	275