

Liftcrane Luffing Jib Intermediate Fall Capacities

**Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating**

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



LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, fixed jib lengths and intermediate fall 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 intermediate fall is considered part of intermediate fall load. 3,900 Lbs. suspended beneath luffing jib point sheaves has been included in capacity determination. Fixed jib weight and 2,700 Lbs. suspended beneath fixed jib point also included in capacity determination. Boom and luffing 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-A** 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.

Boom Catwalks Deduct

Deduct 300 Lbs. from capacities when boom catwalks are attached.

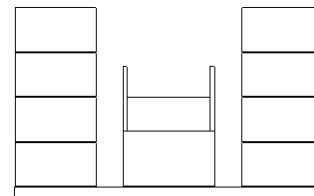
MACHINE TRAVEL: Machine to travel on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8360-B**.

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.

INTERMEDIATE FALL ELEVATION: Intermediate fall elevation is vertical distance from ground level to centerline of intermediate fall 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, 184,600 Lb. crane counterweight and two 22,000 Lb. carbody counterweights.

Consult chart **No. 8416-A** for luffing jib capacities. Consult chart **No. 8351-A** for fixed jib on luffing jib capacities.



184,600 Lb. Crane Counterweight
8 Side Boxes - 1 Center Box

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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80 Ft. Boom, 170 Ft. Luffing Jib, 30 Ft. - 80 Ft. Fixed Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.2	164.0	59,000*										35
40	70.3	162.3	49,800*	72.5	163.1	56,700*							40
45	66.4	160.1	40,600*	68.6	161.2	45,400*							45
50	62.4	157.6	33,800*	64.7	158.8	37,400*	68.0	160.3	43,900*				50
55	58.2	154.5	28,700*	60.5	156.1	31,500*	64.0	157.9	36,400*	67.3	159.2	42,500*	55
60	53.8	151.0	24,600*	56.2	152.8	26,900*	59.8	155.0	30,700*	63.3	156.7	35,300*	60
65	49.0	146.8	21,400*	51.7	149.0	23,200*	55.5	151.7	26,300*	59.1	153.8	29,900*	65
70	44.0	141.8	18,700*	46.8	144.4	20,200*	50.9	147.7	22,700*	54.7	150.3	25,700*	70
75	38.3	135.7	16,400*	41.5	139.0	17,700*	46.0	143.1	19,800*	50.1	146.2	22,300*	75
80	31.8	128.2	14,500*	35.6	132.4	15,600*	40.6	137.5	17,400*	45.1	141.4	19,500*	80
85	23.6	118.0	12,900*	28.5	123.9	13,800*	34.5	130.6	15,400*	39.6	135.6	17,100*	85
90				18.9	111.6	12,300*	27.1	121.6	13,600*	33.3	128.5	15,100*	90
95							16.8	108.2	12,100*	25.6	119.0	13,400*	95
100										14.1	103.9	11,900*	100

80 Ft. Boom, 180 Ft. Luffing Jib, 30 Ft. - 80 Ft. Fixed Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	76.0	174.5	59,000*										35
40	72.6	172.9	59,000*										40
45	69.2	171.1	51,500*	71.1	171.9	57,400*							45
50	65.7	168.8	43,100*	67.7	169.9	47,500*	70.5	171.1	55,500*				50
55	62.1	166.2	36,600*	64.1	167.5	40,100*	67.1	169.0	46,200*				55
60	58.4	163.2	31,600*	60.5	164.7	34,400*	63.5	166.6	39,100*	66.5	167.9	44,800*	60
65	54.5	159.7	27,500*	56.7	161.5	29,800*	59.9	163.7	33,700*	62.9	165.3	38,200*	65
70	50.4	155.7	24,200*	52.7	157.8	26,100*	56.0	160.4	29,200*	59.2	162.4	32,900*	70
75	46.0	151.0	21,300*	48.5	153.5	23,000*	52.0	156.6	25,600*	55.3	159.0	28,700*	75
80	41.2	145.5	19,000*	43.9	148.5	20,300*	47.7	152.2	22,600*	51.3	155.1	25,200*	80
85	36.0	138.9	16,900*	39.0	142.5	18,100*	43.1	147.0	20,100*	47.0	150.6	22,200*	85
90	29.8	130.8	15,100*	33.4	135.3	16,200*	38.1	140.9	17,900*	42.3	145.3	19,800*	90
95	22.2	119.9	13,000*	26.7	126.2	14,500*	32.3	133.4	16,000*	37.1	139.0	17,600*	95
100				17.7	113.1	11,100*	25.4	123.8	14,300*	31.2	131.2	15,800*	100
105							15.7	109.5	10,400*	24.0	121.1	13,800*	105
110										13.2	105.0	9,600*	110

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

Designed And Tested
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The Scope of ANSI B30.5



999 SERIES 2

80 Ft. Boom, 190 Ft. Luffing Jib, 30 Ft. - 80 Ft. Fixed Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.2	164.0	58,700*										35
40	70.3	162.3	46,200*	72.5	163.1	52,500*							40
45	66.4	160.1	37,600*	68.6	161.2	42,100*							45
50	62.4	157.6	31,300*	64.7	158.8	34,600*	68.0	160.3	40,700*				50
55	58.2	154.5	26,500*	60.5	156.1	29,100*	64.0	157.9	33,700*	67.3	159.2	39,400*	55
60	53.8	151.0	22,800*	56.2	152.8	24,800*	59.8	155.0	28,400*	63.3	156.7	32,700*	60
65	49.0	146.8	19,700*	51.7	149.0	21,400*	55.5	151.7	24,300*	59.1	153.8	27,700*	65
70	44.0	141.8	17,200*	46.8	144.4	18,600*	50.9	147.7	21,000*	54.7	150.3	23,800*	70
75	38.3	135.7	15,100*	41.5	139.0	16,300*	46.0	143.1	18,300*	50.1	146.2	20,600*	75
80	31.8	128.2	13,400*	35.6	132.4	14,400*	40.6	137.5	16,100*	45.1	141.4	18,000*	80
85	23.6	118.0	11,900*	28.5	123.9	12,700*	34.5	130.6	14,200*	39.6	135.6	15,800*	85
90				18.9	111.6	9,800*	27.1	121.6	12,500*	33.3	128.5	13,900*	90
95							16.8	108.2	8,800*	25.6	119.0	12,400*	95
100										14.1	103.9	7,800*	100

80 Ft. Boom, 200 Ft. Luffing Jib, 30 Ft. - 80 Ft. Fixed Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	76.0	174.5	59,000*										35
40	72.6	172.9	58,000*										40
45	69.2	171.1	47,400*	71.1	171.9	52,900*							45
50	65.7	168.8	39,700*	67.7	169.9	43,800*	70.5	171.1	51,200*				50
55	62.1	166.2	33,700*	64.1	167.5	36,900*	67.1	169.0	42,600*				55
60	58.4	163.2	29,100*	60.5	164.7	31,600*	63.5	166.6	36,100*	66.5	167.9	41,400*	60
65	54.5	159.7	25,300*	56.7	161.5	27,400*	59.9	163.7	31,000*	62.9	165.3	35,200*	65
70	50.4	155.7	22,200*	52.7	157.8	23,900*	56.0	160.4	26,900*	59.2	162.4	30,300*	70
75	46.0	151.0	19,600*	48.5	153.5	21,100*	52.0	156.6	23,600*	55.3	159.0	26,400*	75
80	41.2	145.5	17,400*	43.9	148.5	18,700*	47.7	152.2	20,800*	51.3	155.1	23,100*	80
85	36.0	138.9	15,500*	39.0	142.5	16,600*	43.1	147.0	18,400*	47.0	150.6	20,400*	85
90	29.8	130.8	10,600*	33.4	135.3	13,300*	38.1	140.9	16,400*	42.3	145.3	18,100*	90
95	22.2	119.9	6,100*	26.7	126.2	8,500*	32.3	133.4	12,400*	37.1	139.0	16,200*	95
100				17.7	113.1	4,200*	25.4	123.8	7,700*	31.2	131.2	11,500*	100
105										24.0	121.1	6,900*	105

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At

5 Degree Offset Angle On

Luffing Jib No. 149 On

Boom No. 82

184,600 Lb. Crane Counterweight

44,000 Lb. Carbody Counterweight

360 Degree Rating

**Designed And Tested
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999 SERIES 2

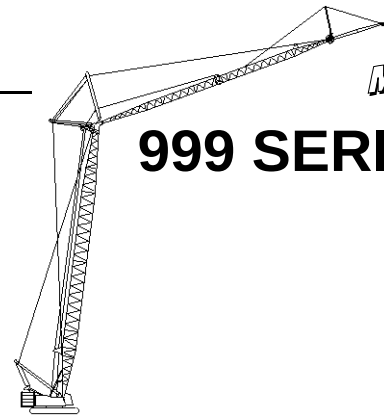
80 Ft. Boom, 210 Ft. Luffing Jib, 30 Ft. - 80 Ft. Fixed Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.4	183.4	59,000*										40
45	71.4	181.8	53,400*	73.1	182.5	58,400*							45
50	68.3	179.8	46,000*	70.0	180.7	49,900*							50
55	65.2	177.5	39,500*	66.9	178.6	43,100*	69.5	179.9	48,700*				55
60	61.9	174.9	34,200*	63.7	176.2	37,100*	66.4	177.7	42,100*				60
65	58.5	171.9	29,800*	60.4	173.4	32,300*	63.2	175.2	36,300*	65.8	176.6	41,100*	65
70	55.1	168.5	26,300*	57.0	170.2	28,300*	59.9	172.4	31,700*	62.6	174.0	35,500*	70
75	51.4	164.6	23,300*	53.5	166.6	25,000*	56.4	169.1	27,900*	59.3	171.1	31,100*	75
80	47.6	160.1	20,800*	49.7	162.4	22,200*	52.9	165.4	24,700*	55.8	167.8	27,400*	80
85	43.4	155.0	18,400*	45.8	157.7	19,900*	49.1	161.2	22,000*	52.2	164.0	24,300*	85
90	39.0	149.0	13,300*	41.5	152.2	16,000*	45.1	156.3	19,600*	48.4	159.6	21,700*	90
95	34.0	141.9	8,900*	36.8	145.8	11,300*	40.8	150.7	15,200*	44.3	154.7	19,400*	95
100	28.2	133.2	4,900*	31.5	138.1	7,000*	36.0	144.1	10,500*	40.0	148.9	14,300*	100
105							30.6	136.1	6,300*	35.1	142.1	9,700*	105
110										29.5	133.8	5,600*	110

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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999 SERIES 2

120 Ft. Boom, 170 Ft. Luffing Jib, 30 Ft. - 80 Ft. Fixed Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	75.2	204.4	59,000*										35
40	71.4	202.8	53,800*										40
45	67.5	200.8	43,300*	70.8	202.2	51,900*							45
50	63.5	198.3	35,800*	66.9	200.1	42,000*							50
55	59.4	195.4	30,100*	62.9	197.6	34,900*	67.9	199.9	44,300*				55
60	55.0	192.0	25,700*	58.7	194.6	29,400*	63.9	197.5	36,600*				60
65	50.4	188.0	22,200*	54.3	191.1	25,200*	59.7	194.7	30,800*	64.8	197.1	38,400*	65
70	45.4	183.2	19,300*	49.6	187.0	21,800*	55.4	191.3	26,300*	60.7	194.4	32,200*	70
75	40.0	177.5	16,900*	44.6	182.1	19,000*	50.8	187.3	22,700*	56.4	191.1	27,500*	75
80	33.7	170.4	14,900*	39.0	176.1	16,700*	45.9	182.6	19,800*	51.9	187.3	23,700*	80
85	26.2	161.2	13,200*	32.6	168.8	14,700*	40.4	177.0	17,400*	47.1	182.8	20,600*	85
90	15.2	146.8	11,800*	24.7	159.0	13,000*	34.3	170.1	15,300*	41.8	177.4	18,000*	90
95				12.4	142.7	11,600*	26.9	161.1	13,500*	35.9	170.8	15,900*	95
100							16.4	147.4	12,000*	28.8	162.5	14,000*	100
105										19.5	150.4	12,400*	105

120 Ft. Boom, 180 Ft. Luffing Jib, 30 Ft. - 80 Ft. Fixed Jib

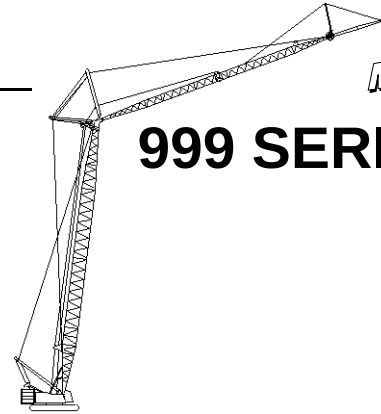
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.6	213.4	59,000*										40
45	70.2	211.6	55,000*	73.0	212.8	59,000*							45
50	66.7	209.5	45,600*	69.6	211.0	53,300*							50
55	63.1	207.0	38,500*	66.1	208.8	44,400*	70.5	210.7	56,100*				55
60	59.4	204.1	33,000*	62.5	206.2	37,700*	67.0	208.6	46,600*				60
65	55.6	200.7	28,600*	58.8	203.3	32,400*	63.4	206.2	39,400*	67.8	208.1	48,700*	65
70	51.5	196.9	25,000*	54.9	199.8	28,100*	59.8	203.3	33,800*	64.3	205.8	41,100*	70
75	47.2	192.4	22,000*	50.9	195.9	24,600*	55.9	200.0	29,300*	60.7	203.0	35,200*	75
80	42.6	187.1	19,400*	46.5	191.3	21,700*	51.9	196.2	25,600*	56.9	199.8	30,500*	80
85	37.5	180.9	17,300*	41.8	185.9	19,200*	47.6	191.7	22,600*	52.9	196.1	26,600*	85
90	31.7	173.2	15,400*	36.6	179.4	17,100*	43.0	186.6	20,000*	48.7	191.8	23,400*	90
95	24.6	163.3	13,800*	30.6	171.5	15,200*	38.0	180.4	17,800*	44.2	186.8	20,700*	95
100	14.2	147.9	12,400*	23.2	161.0	13,600*	32.2	172.9	15,800*	39.2	180.9	18,400*	100
105				11.6	143.6	12,000*	25.2	163.3	14,200*	33.7	173.8	16,400*	105
110							15.4	148.7	12,700*	27.1	164.8	13,900	110
115										18.2	152.0	11,100	115



Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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999 SERIES 2

120 Ft. Boom, 190 Ft. Luffing Jib, 30 Ft. - 80 Ft. Fixed Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	75.2	204.4	59,000*	70.8	202.2	48,100*	67.9	199.9	41,100*				
40	71.4	202.8	49,800*										
45	67.5	200.8	40,100*										
50	63.5	198.3	33,100*										
55	59.4	195.4	27,800*										
60	55.0	192.0	23,700*	58.7	194.6	27,200*	63.9	197.5	33,900*	64.8	197.1	35,600*	60
65	50.4	188.0	20,500*	54.3	191.1	23,300*	59.7	194.7	28,500*				65
70	45.4	183.2	17,800*	49.6	187.0	20,100*	55.4	191.3	24,400*				70
75	40.0	177.5	15,600*	44.6	182.1	17,500*	50.8	187.3	21,000*				75
80	33.7	170.4	13,700*	39.0	176.1	15,300*	45.9	182.6	18,300*				80
85	26.2	161.2	12,100*	32.6	168.8	13,500*	40.4	177.0	16,000*	47.1	182.8	19,000*	85
90	15.2	146.8	10,800*	24.7	159.0	12,000*	34.3	170.1	14,100*	41.8	177.4	16,600*	90
95				12.4	142.7	10,700*	26.9	161.1	12,400*	35.9	170.8	14,600*	95
100							16.4	147.4	11,000*	28.8	162.5	12,900*	100
105										19.5	150.4	10,600	105

120 Ft. Boom, 200 Ft. Luffing Jib, 30 Ft. - 80 Ft. Fixed Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.6	213.4	59,000*										40
45	70.2	211.6	50,600*	73.0	212.8	59,000*							45
50	66.7	209.5	41,900*	69.6	211.0	49,100*							50
55	63.1	207.0	35,400*	66.1	208.8	40,900*							55
60	59.4	204.1	30,300*	62.5	206.2	34,700*	70.5	210.7	51,700*				60
							67.0	208.6	42,900*				
65	55.6	200.7	26,200*	58.8	203.3	29,800*	63.4	206.2	36,300*	67.8	208.1	44,900*	65
70	51.5	196.9	22,900*	54.9	199.8	25,800*	59.8	203.3	31,100*	64.3	205.8	37,900*	70
75	47.2	192.4	20,100*	50.9	195.9	22,600*	55.9	200.0	26,900*	60.7	203.0	32,400*	75
80	42.6	187.1	17,800*	46.5	191.3	19,900*	51.9	196.2	23,500*	56.9	199.8	28,000*	80
85	37.5	180.9	15,800*	41.8	185.9	17,600*	47.6	191.7	20,700*	52.9	196.1	24,500*	85
90	31.7	173.2	14,100*	36.6	179.4	15,600*	43.0	186.6	18,300*	48.7	191.8	21,500*	90
95	24.6	163.3	12,600*	30.6	171.5	13,900*	38.0	180.4	16,300*	44.2	186.8	19,000*	95
100	14.2	147.9	6,400*	23.2	161.0	12,000*	32.2	172.9	14,500*	39.2	180.9	15,900	100
105							25.2	163.3	12,800	33.7	173.8	12,600	105
110							15.4	148.7	8,500*	27.1	164.8	9,500	110
115										18.2	152.0	6,700	115

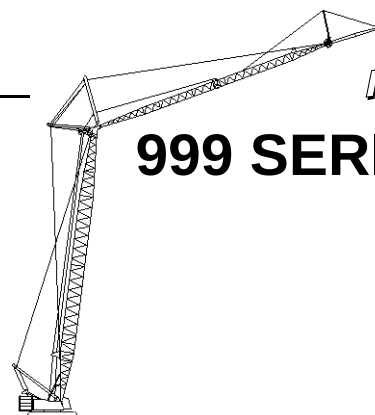


Liftcrane Luffing Jib Intermediate Fall Capacities

999 SERIES 2

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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



120 Ft. Boom, 210 Ft. Luffing Jib, 30 Ft. - 80 Ft. Fixed Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	75.3	223.8	59,000*							40
45	72.3	222.2	56,400*							45
50	69.2	220.4	48,400*	71.8	221.6	55,000*				50
55	66.0	218.2	41,500*	68.7	219.7	47,300*				55
60	62.8	215.6	35,600*	65.5	217.5	40,600*	69.4	219.5	49,100*	60
65	59.5	212.7	31,000*	62.3	214.9	35,000*	66.3	217.3	42,400*	65
70	56.1	209.4	27,100*	58.9	211.9	30,500*	63.1	214.9	36,500*	70
75	52.5	205.7	23,900*	55.5	208.6	26,700*	59.8	212.0	31,800*	75
80	48.7	201.4	21,200*	51.8	204.7	23,700*	56.3	208.7	27,900*	80
85	44.6	196.5	18,900*	48.0	200.3	21,000*	52.8	205.0	24,600*	85
90	40.3	190.8	16,900*	43.9	195.3	18,700*	49.0	200.8	21,900*	90
95	35.4	184.0	15,100*	39.5	189.4	16,800*	45.0	195.9	19,500*	95
100	29.9	175.9	11,100*	34.6	182.5	14,700*	40.6	190.2	17,400*	100
105	23.2	165.3	7,200*	28.9	174.0	10,400*	35.9	183.6	14,600	105
110				21.9	162.9	6,600*	30.4	175.6	11,400*	110
115							23.8	165.3	7,400*	115

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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



160 Ft. Boom, 170 Ft. Luffing Jib, 30 Ft. - 80 Ft. Fixed Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	72.5	243.3	58,700*										40
45	68.6	241.3	46,600*	72.9	243.1	59,000*							45
50	64.7	239.0	38,100*	69.1	241.2	48,000*							50
55	60.5	236.3	31,800*	65.1	238.9	39,200*							55
60	56.3	233.0	27,000*	61.0	236.2	32,700*	67.8	239.6	45,100*				60
65	51.7	229.1	23,100*	56.8	233.0	27,700*	63.8	237.2	37,100*				65
70	46.9	224.6	20,100*	52.2	229.3	23,700*	59.6	234.3	31,200*	66.4	237.4	42,300*	70
75	41.5	219.2	17,500*	47.4	224.8	20,600*	55.3	230.9	26,600*	62.4	234.9	35,200*	75
80	35.6	212.6	15,400*	42.2	219.5	17,900*	50.7	226.9	22,900*	58.1	231.8	29,700*	80
85	28.5	204.1	13,600*	36.3	213.0	15,700*	45.7	222.2	19,900*	53.7	228.2	25,400*	85
90	18.9	191.8	12,000*	29.4	204.8	13,900*	40.3	216.6	17,400*	49.0	224.0	22,000*	90
95				20.3	193.2	12,300*	34.1	209.6	15,300*	43.9	219.0	19,200*	95
100							26.7	200.5	13,500*	38.3	213.0	16,800*	100
105							16.1	186.7	12,000*	31.7	205.4	14,800*	105
110										23.6	195.2	12,000	110

160 Ft. Boom, 180 Ft. Luffing Jib, 30 Ft. - 80 Ft. Fixed Jib

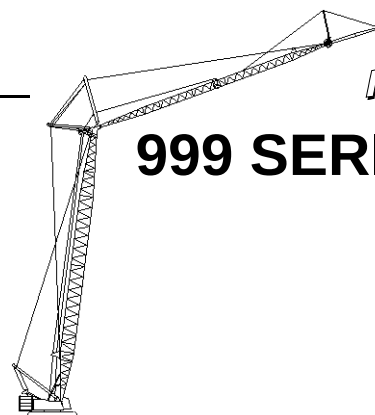
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.5	253.8	59,000*										40
45	71.1	252.1	59,000*										45
50	67.7	250.1	48,500*	71.5	251.9	59,000*							50
55	64.1	247.7	40,600*	68.1	249.9	49,900*							55
60	60.5	244.9	34,600*	64.6	247.6	41,800*	70.4	250.4	57,000*				60
65	56.7	241.7	29,800*	60.9	244.9	35,500*	66.9	248.3	47,200*				65
70	52.7	238.0	25,900*	57.1	241.7	30,600*	63.3	245.8	39,900*				70
75	48.5	233.7	22,700*	53.2	238.1	26,600*	59.7	243.0	34,100*	65.7	246.1	42,400	75
80	43.9	228.6	20,000*	49.0	233.8	23,300*	55.8	239.6	29,500*	62.1	243.5	36,600	80
85	39.0	222.7	17,700*	44.5	228.9	20,500*	51.8	235.8	25,700*	58.4	240.5	31,400	85
90	33.4	215.5	15,600*	39.6	223.1	18,200*	47.5	231.3	22,600*	54.5	237.0	27,000	90
95	26.7	206.4	12,800*	34.1	216.0	16,100*	42.9	226.1	20,000*	50.3	233.0	23,000	95
100	17.7	193.3	10,800*	27.6	207.2	14,400*	37.8	219.9	17,700*	46.0	228.3	19,400	100
105				19.0	194.8	12,900*	32.0	212.4	15,800*	41.2	222.8	16,200	105
110							25.0	202.7	14,100*	35.9	216.2	13,300	110
115							15.0	187.9	11,200	29.8	208.0	10,700	115
120										22.1	197.1	8,200	120



Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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



999 SERIES 2

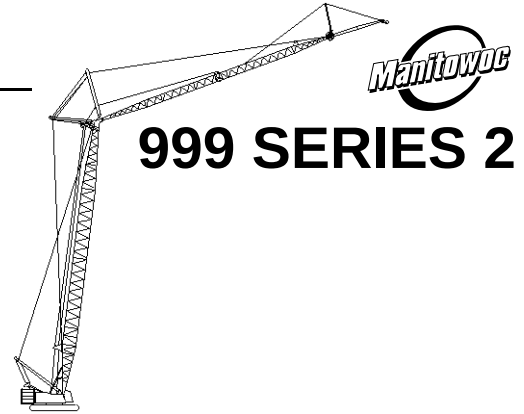
160 Ft. Boom, 190 Ft. Luffing Jib, 30 Ft. - 80 Ft. Fixed Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	72.5	243.3	54,300*							40
45	68.6	241.3	43,100*	72.9	243.1	56,200*				45
50	64.7	239.0	35,200*	69.1	241.2	44,500*				50
55	60.5	236.3	29,400*	65.1	238.9	36,300*				55
60	56.3	233.0	24,900*	61.0	236.2	30,200*	67.8	239.6	41,800*	60
65	51.7	229.1	21,300*	56.8	233.0	25,600*	63.8	237.2	34,400*	65
70	46.9	224.6	18,400*	52.2	229.3	21,900*	59.6	234.3	28,800*	70
75	41.5	219.2	16,100*	47.4	224.8	18,900*	55.3	230.9	24,500*	75
80	35.6	212.6	14,100*	42.2	219.5	16,500*	50.7	226.9	21,100*	80
85	28.5	204.1	12,400*	36.3	213.0	14,500*	45.7	222.2	18,300*	85
90	18.9	191.8	10,700*	29.4	204.8	12,700*	40.3	216.6	16,000*	90
95				20.3	193.2	11,300*	34.1	209.6	14,000*	95
100							26.7	200.5	12,400*	100
105							16.1	186.7	10,600	105

Liftcrane Luffing Jib Intermediate Fall Capacities

Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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



160 Ft. Boom, 200 Ft. Luffing Jib 30 Ft. - 80 Ft. Fixed Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.5	253.8	59,000*				40
45	71.1	252.1	54,300*				45
50	67.7	250.1	44,600*	71.5	251.9	55,900*	50
55	64.1	247.7	37,400*	68.1	249.9	45,900*	55
60	60.5	244.9	31,800*	64.6	247.6	38,400*	60
65	56.7	241.7	27,300*	60.9	244.9	32,600*	65
70	52.7	238.0	23,700*	57.1	241.7	28,100*	70
75	48.5	233.7	20,800*	53.2	238.1	24,400*	75
80	43.9	228.6	18,300*	49.0	233.8	21,300*	80
85	39.0	222.7	15,500*	44.5	228.9	18,800*	85
90	33.4	215.5	12,200*	39.6	223.1	16,600*	90
95	26.7	206.4	9,500*	34.1	216.0	14,700*	95
100	17.7	193.3	7,600*	27.6	207.2	13,100*	100
105				19.0	194.8	10,100*	105

160 Ft. Boom, 210 Ft. Luffing Jib 30 Ft. - 70 Ft. Fixed Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	73.1	262.7	59,000*				45
50	70.0	260.9	51,100*	73.4	262.5	59,000*	50
55	66.9	258.8	43,700*	70.4	260.7	52,100*	55
60	63.7	256.4	37,300*	67.3	258.7	44,800*	60
65	60.4	253.6	32,200*	64.1	256.3	38,300*	65
70	57.0	250.4	28,100*	60.8	253.5	33,100*	70
75	53.5	246.8	24,600*	57.4	250.4	28,800*	75
80	49.7	242.6	21,300*	53.9	246.8	25,300*	80
85	45.8	237.9	17,400*	50.2	242.8	22,400*	85
90	41.5	232.4	14,000*	46.2	238.1	19,800*	90
95	36.8	226.0	11,100*	42.0	232.7	17,700*	95
100	31.6	218.3	8,700*	37.4	226.4	15,500*	100
105	25.3	208.6	6,500*	32.2	218.9	12,500*	105
110				26.1	209.4	8,900*	110
115				17.9	196.3	5,100*	115