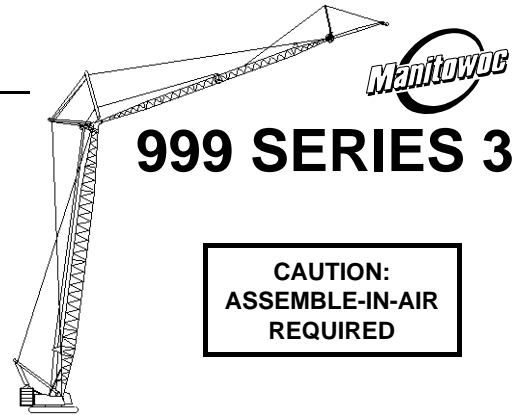


Liftcrane Luffing Jib Intermediate Fall Capacities

New York City Code
Fixed Jib No. 134 At
5 Degree Offset Angle On
Luffing Jib No. 149 On
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**

**CAUTION:
ASSEMBLE-IN-AIR
REQUIRED**



LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib length, fixed jib lengths and intermediate fall operating radii are for freely suspended loads and do not exceed New York City criteria of 1.4 factor applied to total machine moment. Capacities based on structural competence are denoted by an asterisk (*).

Lower boom point must be completely removed for use of this chart.

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. A01426**, Wire Rope Specification chart **No. 8357-C** and Luffing Jib Raising Procedure chart **No. 8411-A**. 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.

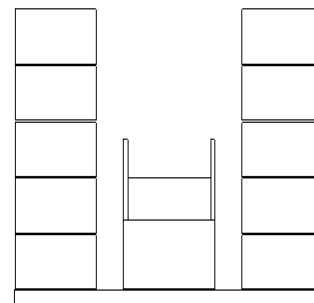
MACHINE TRAVEL: Machine to travel (outrigger jacks raised) on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8360-E**.

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, 5 Ft. raising outrigger, 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.

Consult chart **No. 8374-A** for luffing jib capacities. Consult chart **No. 8377-A** for intermediate fall capacities with fixed jib removed.



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

Liftcrane Luffing Jib Intermediate Fall Capacities

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80,000 Lb. Carbody Counterweight
360 Degree Rating

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**CAUTION:
ASSEMBLE-IN-AIR
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200 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			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	73.5	283.7	55,400*							40
45	69.7	281.9	50,500*							45
50	65.8	279.7	40,800*	71.2	282.2	55,900*				50
55	61.7	277.1	33,800*	67.3	280.2	44,800*				55
60	57.5	273.9	28,400*	63.3	277.7	36,700*				60
65	53.0	270.3	24,200*	59.2	274.8	30,800*	67.7	279.2	46,200*	65
70	48.2	265.9	20,900*	54.8	271.3	26,100*	63.7	276.8	37,900*	70
75	43.1	260.8	18,200*	50.2	267.3	22,400*	59.5	273.9	31,700*	75
80	37.3	254.5	14,400*	45.2	262.5	19,400*	55.2	270.5	26,900*	80
85	30.6	246.7	11,300*	39.7	256.7	17,000*	50.6	266.5	23,100*	85
90	22.0	235.8	8,900*	33.4	249.6	14,900*	45.6	261.8	20,000*	90
95				25.7	240.2	12,800*	40.2	256.1	16,000	95
100				14.4	225.3	9,700*	34.0	249.1	11,900	100
105							26.5	240.0	8,100	105
110							15.7	225.9	4,500	110

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

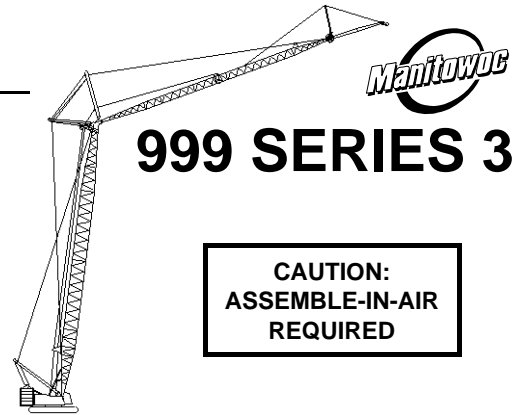
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		Jib Angle Degrees	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.8	293.8	49,400*							40
45	70.0	292.0	46,200*							45
50	66.1	289.8	40,400*	71.8	292.4	52,600*				50
55	62.0	287.2	34,200*	67.9	290.4	46,300*				55
60	57.8	284.2	28,800*	63.9	288.0	37,900*				60
65	53.3	280.5	24,300*	59.8	285.2	31,600*	68.6	289.7	48,700*	65
70	48.6	276.3	19,800*	55.4	281.8	26,800*	64.7	287.4	40,000*	70
75	43.5	271.2	15,900*	50.8	277.9	22,900*	60.5	284.6	33,300*	75
80	37.7	265.0	12,400*	45.9	273.2	19,800*	56.2	281.3	28,100*	80
85	31.1	257.3	9,500*	40.5	267.6	17,300*	51.7	277.5	24,100*	85
90	22.7	246.7	7,200*	34.3	260.6	14,100*	46.8	272.9	20,300	90
95	7.2	225.8	6,200*	26.9	251.7	11,100*	41.5	267.5	15,700	95
100				16.5	238.1	8,900*	35.6	260.9	11,600	100
105							28.5	252.4	7,900	105
110							18.9	240.1	4,300	110

Liftcrane Luffing Jib Intermediate Fall Capacities

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5 Degree Offset Angle On
Luffing Jib No. 149 On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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CAUTION:
ASSEMBLE-IN-AIR
REQUIRED



220 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			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	74.1	303.9	45,000*							40
45	70.3	302.2	42,400*							45
50	66.3	300.0	37,100*	72.3	302.7	48,300*				50
55	62.3	297.4	31,900*	68.4	300.7	43,600*				55
60	58.1	294.4	27,000*	64.5	298.4	38,700*				60
65	53.6	290.8	22,400*	60.3	295.6	32,500*	69.6	300.1	45,800*	65
70	48.9	286.6	18,200*	56.0	292.3	27,500*	65.6	297.9	42,000*	70
75	43.8	281.5	14,500*	51.5	288.4	23,500*	61.6	295.2	35,000*	75
80	38.2	275.5	11,200*	46.6	283.9	20,100*	57.3	292.1	29,500*	80
85	31.6	267.9	8,400*	41.3	278.4	16,300*	52.8	288.4	25,100*	85
90	23.4	257.6	6,200*	35.3	271.7	13,000*	48.1	284.0	20,000	90
95	9.3	238.8	4,800*	28.1	263.1	10,100*	42.9	278.9	15,500	95
100				18.3	250.5	7,900*	37.1	272.6	11,400	100
105							30.3	264.6	7,600	105
110							21.6	253.6	4,200	110

230 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			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	74.3	314.0	40,400*							40
45	70.5	312.3	37,900*							45
50	66.6	310.2	33,200*	72.8	312.9	43,200*				50
55	62.6	307.6	28,500*	69.0	311.0	39,100*				55
60	58.4	304.6	24,000*	65.0	308.7	34,800*				60
65	54.0	301.1	19,800*	60.9	306.0	30,300*	70.5	310.5	41,900*	65
70	49.3	296.9	16,000*	56.7	302.8	25,900*	66.6	308.4	38,500*	70
75	44.2	291.9	12,600*	52.1	299.0	21,800*	62.6	305.8	35,100*	75
80	38.6	285.9	9,600*	47.3	294.5	18,000*	58.4	302.8	30,600	80
85	32.1	278.5	7,000*	42.1	289.2	14,500*	54.0	299.3	24,800	85
90	24.1	268.5	4,900*	36.1	282.7	11,300*	49.3	295.1	19,700	90
95				29.2	274.4	8,700*	44.2	290.1	15,100	95
100				20.0	262.7	6,600*	38.6	284.1	11,100	100
105							32.1	276.7	7,400	105
110							24.1	266.7	4,000	110