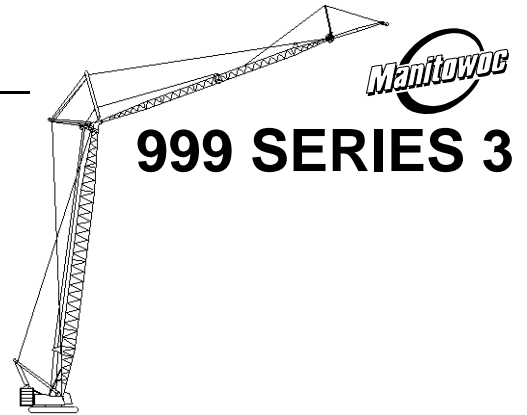


# Liftcrane Luffing Jib Intermediate Fall Capacities

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



**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 New York City criteria of 1.4 factor applied to total machine moment. 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.

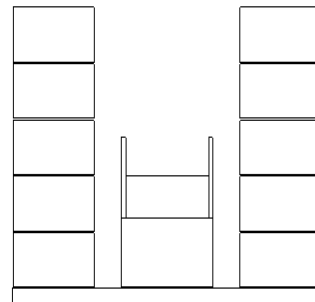
**MACHINE TRAVEL:** Machine to travel on a firm, level and uniformly supporting surface with boom and luffing jib within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specification chart **No. 8360-B**.

**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, 219,600 Lb. crane counterweight, two 22,000 Lb. and two 18,000 Lb. carbody counterweights.

Consult chart **No. 8420-A** for luffing jib capacities. Consult chart **No. 8355-A** for fixed jib on luffing jib capacities.



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



# Liftcrane Luffing Jib Intermediate Fall Capacities

**999 SERIES 3**

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

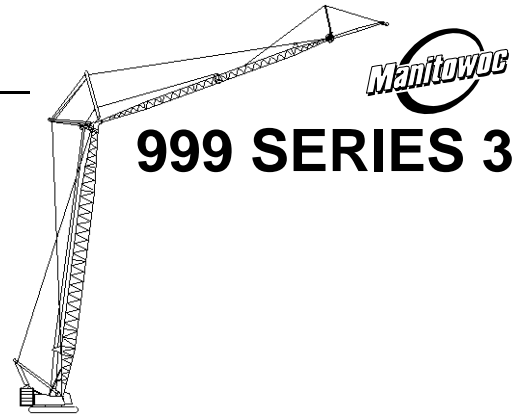
**Designed And Tested  
With The Intent To Be In  
The Scope of ANSI B30.5**

## 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	14,800	100
105							15.7	109.5	10,400*	24.0	121.1	11,000	105
110										13.2	105.0	7,400	110



# Liftcrane Luffing Jib Intermediate Fall Capacities

**999 SERIES 3**

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

## 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	10,300	95
100										14.1	103.9	5,700	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	17,800	90
95	22.2	119.9	6,100*	26.7	126.2	8,500*	32.3	133.4	12,400*	37.1	139.0	13,100	95
100				17.7	113.1	4,200*	25.4	123.8	7,700*	31.2	131.2	8,800	100
105										24.0	121.1	4,900	105



# Liftcrane Luffing Jib Intermediate Fall Capacities

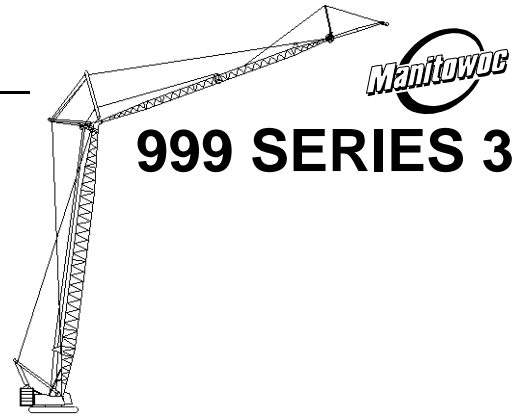
**999 SERIES 3**

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**

**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	19,800	90
95	34.0	141.9	8,900*	36.8	145.8	11,300*	40.8	150.7	15,200*	44.3	154.7	15,200	95
100	28.2	133.2	4,900*	31.5	138.1	7,000*	36.0	144.1	10,500*	40.0	148.9	11,100	100
105							30.6	136.1	6,300*	35.1	142.1	7,300	105



# 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

## 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	12,400	100
105										19.5	150.4	8,500	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	23,000	90
95	24.6	163.3	13,800*	30.6	171.5	15,200*	38.0	180.4	17,800*	44.2	186.8	18,400	95
100	14.2	147.9	12,400*	23.2	161.0	13,600*	32.2	172.9	15,000	39.2	180.9	14,300	100
105				11.6	143.6	11,500	25.2	163.3	11,200	33.7	173.8	10,600	105
110							15.4	148.7	7,600	27.1	164.8	7,200	110
115										18.2	152.0	4,000	115



# 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

## 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*										35
40	71.4	202.8	49,800*										40
45	67.5	200.8	40,100*	70.8	202.2	48,100*							45
50	63.5	198.3	33,100*	66.9	200.1	38,900*							50
55	59.4	195.4	27,800*	62.9	197.6	32,300*	67.9	199.9	41,100*				55
60	55.0	192.0	23,700*	58.7	194.6	27,200*	63.9	197.5	33,900*				60
65	50.4	188.0	20,500*	54.3	191.1	23,300*	59.7	194.7	28,500*	64.8	197.1	35,600*	65
70	45.4	183.2	17,800*	49.6	187.0	20,100*	55.4	191.3	24,400*	60.7	194.4	29,800*	70
75	40.0	177.5	15,600*	44.6	182.1	17,500*	50.8	187.3	21,000*	56.4	191.1	25,400*	75
80	33.7	170.4	13,700*	39.0	176.1	15,300*	45.9	182.6	18,300*	51.9	187.3	21,900*	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	15,500	90
95				12.4	142.7	10,200	26.9	161.1	10,600	35.9	170.8	10,700	95
100							16.4	147.4	6,100	28.8	162.5	6,300	100

## 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*	70.5	210.7	51,700*				55
60	59.4	204.1	30,300*	62.5	206.2	34,700*	67.0	208.6	42,900*				60
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	22,800	85
90	31.7	173.2	14,100*	36.6	179.4	15,600*	43.0	186.6	18,100	48.7	191.8	17,600	90
95	24.6	163.3	12,600*	30.6	171.5	13,700	38.0	180.4	13,300	44.2	186.8	12,900	95
100	14.2	147.9	6,400*	23.2	161.0	9,300	32.2	172.9	9,100	39.2	180.9	8,700	100
105							25.2	163.3	5,200	33.7	173.8	4,900	105



# 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

## 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			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	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*	67.1	216.8	44,100*	70
75	52.5	205.7	23,900*	55.5	208.6	26,700*	59.8	212.0	31,800*	63.9	214.4	37,000	75
80	48.7	201.4	21,200*	51.8	204.7	23,700*	56.3	208.7	27,900*	60.6	211.7	30,300	80
85	44.6	196.5	18,900*	48.0	200.3	21,000*	52.8	205.0	24,600*	57.2	208.5	24,400	85
90	40.3	190.8	16,900*	43.9	195.3	18,700*	49.0	200.8	20,000	53.6	204.9	19,200	90
95	35.4	184.0	15,100*	39.5	189.4	16,100	45.0	195.9	15,400	49.9	200.8	14,600	95
100	29.9	175.9	11,100*	34.6	182.5	11,900	40.6	190.2	11,200	46.0	196.1	10,600	100
105	23.2	165.3	7,200*	28.9	174.0	8,000	35.9	183.6	7,500	41.7	190.6	6,900	105
110				21.9	162.9	4,500	30.4	175.6	4,100				110



# 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

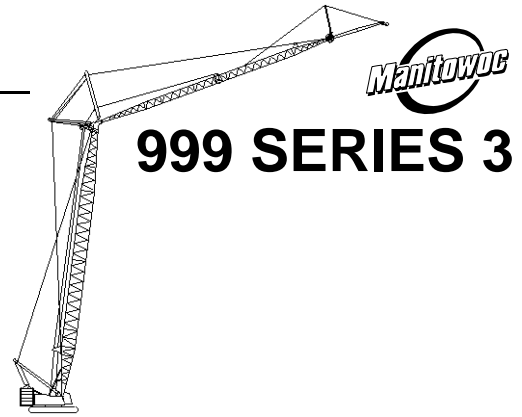
## 160 Ft. Boom, 170 Ft. Luffing Jib, 30 Ft. - 80 Ft. Fixed Jib

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	20,400	90
95				20.3	193.2	12,300*	34.1	209.6	15,300*	43.9	219.0	15,900	95
100							26.7	200.5	12,500	38.3	213.0	11,800	100
105							16.1	186.7	8,500	31.7	205.4	8,000	105
110										23.6	195.2	4,600	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	39,000	75
80	43.9	228.6	20,000*	49.0	233.8	23,300*	55.8	239.6	29,500*	62.1	243.5	32,400	80
85	39.0	222.7	17,700*	44.5	228.9	20,500*	51.8	235.8	25,700*	58.4	240.5	26,700	85
90	33.4	215.5	15,600*	39.6	223.1	18,200*	47.5	231.3	22,600*	54.5	237.0	21,600	90
95	26.7	206.4	12,800*	34.1	216.0	16,100*	42.9	226.1	18,600	50.3	233.0	17,200	95
100	17.7	193.3	10,800*	27.6	207.2	14,400*	37.8	219.9	14,500	46.0	228.3	13,200	100
105				19.0	194.8	11,700	32.0	212.4	10,700	41.2	222.8	9,600	105
110							25.0	202.7	7,300	35.9	216.2	6,300	110
115							15.0	187.9	4,100				115





# 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

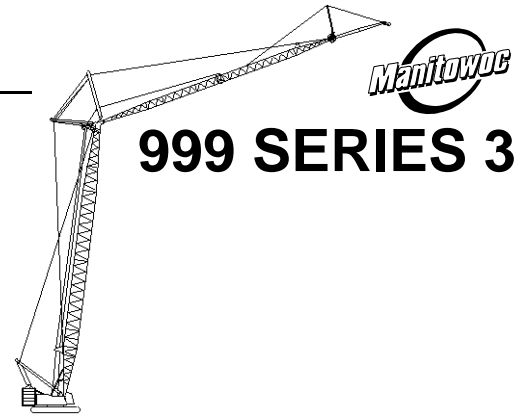
Designed And Tested  
With The Intent To Be In  
The Scope of ANSI B30.5

## 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			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	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*	66.4	237.4	39,200*		70
75	41.5	219.2	16,100*	47.4	224.8	18,900*	55.3	230.9	24,500*	62.4	234.9	32,600*		75
80	35.6	212.6	14,100*	42.2	219.5	16,500*	50.7	226.9	21,100*	58.1	231.8	26,400		80
85	28.5	204.1	12,400*	36.3	213.0	14,500*	45.7	222.2	18,300*	53.7	228.2	20,400		85
90	18.9	191.8	10,700*	29.4	204.8	12,700*	40.3	216.6	15,500	49.0	224.0	15,100		90
95				20.3	193.2	10,700	34.1	209.6	10,700	43.9	219.0	10,400		95
100							26.7	200.5	6,300	38.3	213.0	6,100		100

## 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			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	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*	70.4	250.4	52,500*					60
65	56.7	241.7	27,300*	60.9	244.9	32,600*	66.9	248.3	43,500*					65
70	52.7	238.0	23,700*	57.1	241.7	28,100*	63.3	245.8	36,700*					70
75	48.5	233.7	20,800*	53.2	238.1	24,400*	59.7	243.0	31,400*	65.7	246.1	34,500		75
80	43.9	228.6	18,300*	49.0	233.8	21,300*	55.8	239.6	27,100*	62.1	243.5	27,700		80
85	39.0	222.7	15,500*	44.5	228.9	18,800*	51.8	235.8	22,900	58.4	240.5	21,800		85
90	33.4	215.5	12,200*	39.6	223.1	16,600*	47.5	231.3	17,700	54.5	237.0	16,700		90
95	26.7	206.4	9,500*	34.1	216.0	13,800	42.9	226.1	13,000	50.3	233.0	12,100		95
100	17.7	193.3	7,600*	27.6	207.2	9,400	37.8	219.9	8,800	46.0	228.3	8,000		100
105				19.0	194.8	5,400	32.0	212.4	5,000	41.2	222.8	4,300		105



# Liftcrane Luffing Jib Intermediate Fall Capacities

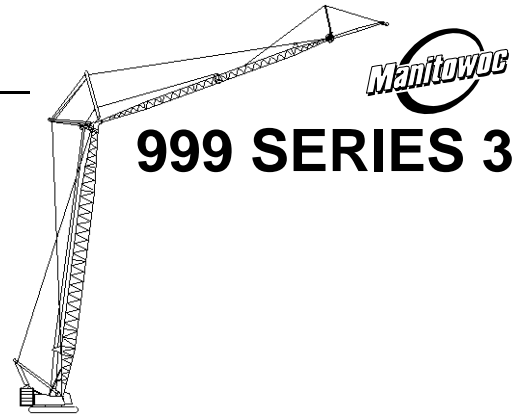
**999 SERIES 3**

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**

**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			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	
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*	69.4	259.2	49,800*				65
70	57.0	250.4	28,100*	60.8	253.5	33,100*	66.2	257.0	42,800*				70
75	53.5	246.8	24,600*	57.4	250.4	28,800*	63.0	254.5	36,800*				75
80	49.7	242.6	21,300*	53.9	246.8	25,300*	59.7	251.6	30,500	65.1	254.8	28,900	80
85	45.8	237.9	17,400*	50.2	242.8	22,400*	56.3	248.3	24,600	61.9	252.2	23,100	85
90	41.5	232.4	14,000*	46.2	238.1	19,800*	52.7	244.6	19,400	58.5	249.2	18,000	90
95	36.8	226.0	11,100*	42.0	232.7	16,000	48.9	240.3	14,800	55.0	245.7	13,500	95
100	31.6	218.3	8,700*	37.4	226.4	11,800	44.9	235.5	10,700	51.4	241.8	9,500	100
105	25.3	208.6	6,500*	32.2	218.9	8,000	40.5	229.8	7,000	47.5	237.4	5,900	105
110				26.1	209.4	4,500							110



# Liftcrane Luffing Jib Intermediate Fall Capacities

**999 SERIES 3**

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

## 180 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	73.0	263.5	59,000*											40
45	69.2	261.6	48,400*	74.0	263.5	59,000*								45
50	65.2	259.4	39,400*	70.2	261.7	51,700*								50
55	61.1	256.7	32,700*	66.2	259.6	41,800*								55
60	56.9	253.5	27,600*	62.2	257.0	34,600*	69.7	260.5	50,800*					60
65	52.4	249.7	23,700*	58.0	253.9	29,100*	65.7	258.2	41,200*					65
70	47.6	245.3	20,400*	53.5	250.3	24,900*	61.7	255.6	34,300*					70
75	42.3	240.0	17,800*	48.8	246.1	21,400*	57.4	252.5	28,900*	65.2	256.4	37,300		75
80	36.5	233.6	15,600*	43.7	241.0	18,600*	53.0	248.8	24,700*	61.1	253.7	30,600		80
85	29.6	225.4	13,700*	38.0	234.9	16,300*	48.2	244.5	21,400*	56.8	250.5	24,800		85
90	20.5	213.9	11,200*	31.4	227.3	14,400*	43.0	239.3	18,600*	52.3	246.7	19,800		90
95				23.2	216.9	12,700*	37.3	233.0	16,300*	47.5	242.3	15,200		95
100							30.5	225.1	12,200	42.3	237.0	11,200		100
105							21.9	214.3	8,400	36.4	230.5	7,500		105
110										29.5	222.3	4,200		110

## 180 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	75.0	274.0	59,000*											40
45	71.6	272.3	58,400*											45
50	68.2	270.4	50,100*	72.5	272.4	59,000*								50
55	64.6	268.0	41,800*	69.0	270.5	53,000*								55
60	61.0	265.3	35,500*	65.5	268.3	44,100*								60
65	57.2	262.2	30,400*	61.9	265.6	37,300*	68.6	269.2	52,200*					65
70	53.3	258.5	26,400*	58.2	262.6	32,000*	65.1	266.9	43,700*					70
75	49.1	254.3	23,100*	54.3	259.1	27,700*	61.5	264.3	37,100*					75
80	44.6	249.4	19,200*	50.2	255.0	24,200*	57.7	261.2	31,900*	64.6	265.1	31,400		80
85	39.7	243.6	15,600*	45.8	250.3	21,200*	53.8	257.6	27,600*	61.0	262.3	25,700		85
90	34.2	236.6	12,600*	41.0	244.7	18,700*	49.6	253.4	22,600	57.2	259.2	20,800		90
95	27.7	227.8	10,000*	35.7	238.1	16,600*	45.2	248.6	18,100	53.2	255.5	16,400		95
100	19.3	215.5	8,200*	29.5	229.9	14,000*	40.4	243.0	14,000	49.0	251.3	12,400		100
105				21.7	218.8	11,500*	35.0	236.1	10,300	44.5	246.4	8,900		105
110							28.7	227.6	7,000	39.6	240.6	5,700		110



# Liftcrane Luffing Jib Intermediate Fall Capacities

**999 SERIES 3**

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

## 180 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	
40	73.0	263.5	56,900*										40
45	69.2	261.6	44,800*	74.0	263.5	59,000*							45
50	65.2	259.4	36,400*	70.2	261.7	47,900*							50
55	61.1	256.7	30,200*	66.2	259.6	38,700*							55
60	56.9	253.5	25,500*	62.2	257.0	32,000*	69.7	260.5	47,100*				60
65	52.4	249.7	21,800*	58.0	253.9	26,900*	65.7	258.2	38,200*				65
70	47.6	245.3	18,800*	53.5	250.3	22,900*	61.7	255.6	31,700*				70
75	42.3	240.0	16,300*	48.8	246.1	19,700*	57.4	252.5	26,700*	65.2	256.4	32,700	75
80	36.5	233.6	13,500*	43.7	241.0	17,100*	53.0	248.8	22,800*	61.1	253.7	25,800	80
85	29.6	225.4	10,200*	38.0	234.9	15,000*	48.2	244.5	19,700*	56.8	250.5	19,900	85
90	20.5	213.9	7,800*	31.4	227.3	13,200*	43.0	239.3	15,300	52.3	246.7	14,600	90
95				23.2	216.9	10,800	37.3	233.0	10,500	47.5	242.3	10,000	95
100							30.5	225.1	6,200	42.3	237.0	5,800	100

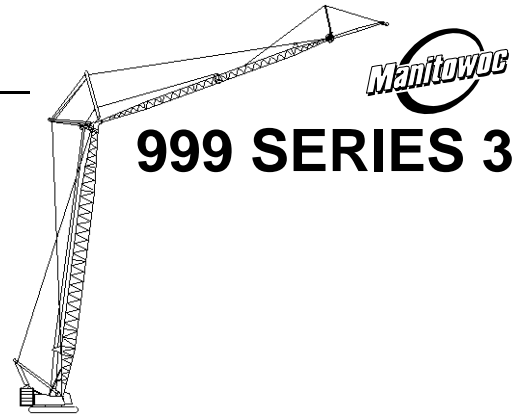
## 180 Ft. Boom, 200 Ft. Luffing Jib, 30 Ft. - 80 Ft. Fixed Jib

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	75.0	274.0	58,500*										40
45	71.6	272.3	54,000*										45
50	68.2	270.4	46,100*	72.5	272.4	59,000*							50
55	64.6	268.0	38,400*	69.0	270.5	48,800*							55
60	61.0	265.3	32,500*	65.5	268.3	40,600*							60
65	57.2	262.2	27,900*	61.9	265.6	34,300*	68.6	269.2	48,100*				65
70	53.3	258.5	24,200*	58.2	262.6	29,400*	65.1	266.9	40,200*				70
75	49.1	254.3	19,600*	54.3	259.1	25,400*	61.5	264.3	34,100*				75
80	44.6	249.4	15,600*	50.2	255.0	22,100*	57.7	261.2	28,500	64.6	265.1	27,000	80
85	39.7	243.6	12,100*	45.8	250.3	19,400*	53.8	257.6	22,500	61.0	262.3	21,100	85
90	34.2	236.6	9,200*	41.0	244.7	17,100*	49.6	253.4	17,300	57.2	259.2	16,000	90
95	27.7	227.8	6,800*	35.7	238.1	13,700*	45.2	248.6	12,700	53.2	255.5	11,500	95
100	19.3	215.5	5,100*	29.5	229.9	9,400	40.4	243.0	8,500	49.0	251.3	7,500	100
105				21.7	218.8	5,400	35.0	236.1	4,700				105

# Liftcrane Luffing Jib Intermediate Fall Capacities

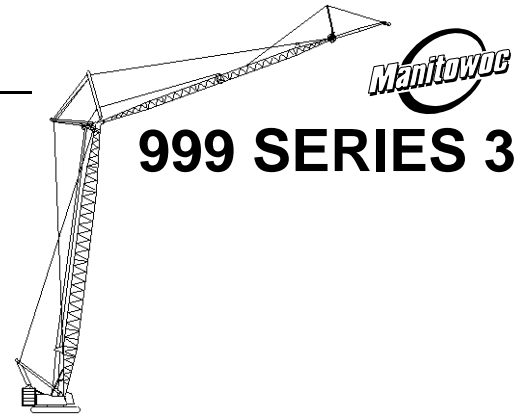
New York City Code  
 Fixed Jib No. 134 At  
 5 Degree Offset Angle On  
 Luffing Jib No. 149 On  
 Boom No. 82  
 219,600 Lb. Crane Counterweight  
 80,000 Lb. Carbody Counterweight  
 360 Degree Rating

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



**180 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			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	
45	73.5	282.9	50,400*							45
50	70.5	281.1	45,200*							50
55	67.4	279.1	39,900*	71.3	281.2	52,000*				55
60	64.2	276.7	34,700*	68.2	279.2	47,100*				60
65	60.9	274.0	29,700*	65.0	276.9	40,100*	70.9	280.0	52,400*	65
70	57.5	270.8	25,000*	61.7	274.3	34,500*	67.8	277.9	44,500	70
75	54.0	267.3	20,800*	58.4	271.3	30,000*	64.6	275.6	36,700	75
80	50.3	263.2	17,000*	54.9	267.8	26,200*	61.3	272.9	29,900	80
85	46.3	258.6	13,600*	51.2	263.9	23,000*	58.0	269.8	24,100	85
90	42.1	253.2	10,700*	47.4	259.4	19,000*	54.4	266.3	18,900	90
95	37.5	246.9	8,200*	43.2	254.2	15,600*	50.8	262.3	14,400	95
100	32.3	239.5	6,000*	38.7	248.2	11,700	46.9	257.8	10,300	100
105	26.2	230.1	4,200*	33.7	241.1	7,900	42.7	252.5	6,600	105
110				27.9	232.3	4,400				110



# 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

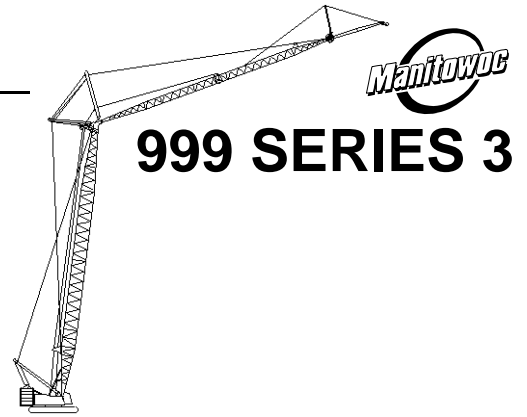
Designed And Tested  
With The Intent To Be In  
The Scope of ANSI B30.5

## 190 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	73.3	273.6	59,000*										40
45	69.4	271.8	49,500*										45
50	65.5	269.5	40,100*	70.7	272.0	53,800*							50
55	61.4	266.9	33,200*	66.8	269.9	43,200*							55
60	57.2	263.7	28,000*	62.8	267.3	35,600*	70.6	270.9	54,100*				60
65	52.7	260.0	23,900*	58.6	264.4	29,900*	66.7	268.7	43,600*				65
70	47.9	255.6	20,700*	54.2	260.8	25,500*	62.7	266.2	36,000*				70
75	42.7	250.4	18,000*	49.5	256.7	21,900*	58.5	263.2	30,300*	66.6	267.1	36,700	75
80	36.9	244.0	15,600*	44.4	251.8	19,000*	54.1	259.7	25,800*	62.5	264.5	30,100	80
85	30.1	236.0	12,300*	38.9	245.8	16,600*	49.4	255.5	22,200*	58.3	261.5	24,400	85
90	21.3	224.9	9,800*	32.4	238.4	14,600*	44.3	250.6	19,300*	53.9	258.0	19,300	90
95				24.5	228.6	12,900*	38.7	244.6	16,200	49.2	253.8	14,800	95
100				11.9	211.9	10,400*	32.3	237.2	12,100	44.1	248.8	10,800	100
105							24.3	227.3	8,200	38.5	242.8	7,200	105
110							11.5	210.2	4,500				110

## 190 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	75.2	284.1	55,200*										40
45	71.8	282.4	52,700*										45
50	68.4	280.5	47,000*	72.9	282.6	59,000*							50
55	64.9	278.2	41,000*	69.5	280.7	54,100*							55
60	61.3	275.5	35,500*	66.0	278.6	45,400*							60
65	57.5	272.4	30,300*	62.5	276.0	38,300*	69.5	279.6	52,800*				65
70	53.6	268.8	25,500*	58.7	273.0	32,700*	66.0	277.4	45,800*				70
75	49.4	264.6	21,200*	54.9	269.6	28,300*	62.4	274.9	38,700*				75
80	44.9	259.7	17,300*	50.8	265.6	24,600*	58.6	271.9	33,200*	65.8	275.8	30,800	80
85	40.1	254.0	14,000*	46.4	261.0	21,600*	54.8	268.4	27,400	62.2	273.2	25,200	85
90	34.6	247.1	11,100*	41.7	255.5	19,000*	50.7	264.4	22,300	58.5	270.2	20,200	90
95	28.2	238.5	8,700*	36.5	249.1	15,600*	46.3	259.8	17,800	54.6	266.7	15,900	95
100	20.0	226.6	6,700*	30.4	241.1	12,700*	41.6	254.3	13,800	50.5	262.7	12,000	100
105				23.0	230.6	9,200*	36.3	247.9	10,100	46.1	258.0	8,500	105
110				11.2	212.8	5,800*	30.3	239.8	6,800	41.4	252.5	5,300	110



# Liftcrane Luffing Jib Intermediate Fall Capacities

**999 SERIES 3**

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

**190 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	
40	73.3	273.6	57,200*										40
45	69.4	271.8	45,700*										45
50	65.5	269.5	37,100*	70.7	272.0	49,800*							50
55	61.4	266.9	30,700*	66.8	269.9	40,000*							55
60	57.2	263.7	25,900*	62.8	267.3	32,900*	70.6	270.9	50,100*				60
65	52.7	260.0	22,100*	58.6	264.4	27,600*	66.7	268.7	40,400*				65
70	47.9	255.6	19,000*	54.2	260.8	23,500*	62.7	266.2	33,300*				70
75	42.7	250.4	15,700*	49.5	256.7	20,200*	58.5	263.2	28,000*	66.6	267.1	32,300	75
80	36.9	244.0	11,900*	44.4	251.8	17,500*	54.1	259.7	23,800*	62.5	264.5	25,500	80
85	30.1	236.0	8,800*	38.9	245.8	15,300*	49.4	255.5	20,500*	58.3	261.5	19,500	85
90	21.3	224.9	5,100*	32.4	238.4	12,600*	44.3	250.6	15,200	53.9	258.0	14,300	90
95				24.5	228.6	8,100*	38.7	244.6	10,400	49.2	253.8	9,700	95
100							32.3	237.2	6,100	44.1	248.8	5,500	100