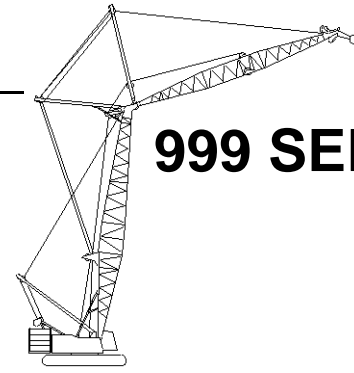




# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

**New York City Code  
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 and intermediate fall operating radii are for freely suspended loads and do not exceed 75% of a static tipping load for boom and luffing jib length combinations thru 250 Ft. and New York City criteria of 1.4 factor applied to total machine moment for boom and luffing jib length combinations 260 Ft. and up. Capacities based on structural competence are denoted by an asterisk (\*). Capacities indicated by (b) require 2,600 Lb. minimum block weight.

Consult Luffing Jib Raising Procedure chart **No. 8422-A** 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 and intermediate fall is considered part of intermediate fall load. 3,900 Lbs. suspended beneath luffing jib point sheaves has been 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 luffing jib assembly **No. A01031**, Wire Rope Specification chart **No. 8357-A** and Luffing Jib Raising Procedure chart **No. 8422-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 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-A**.

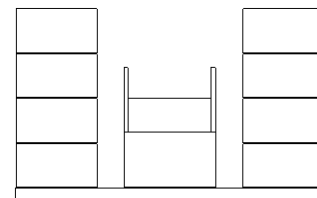
**OPERATING RADIUS:** Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts. Luffing jib angle is angle between horizontal and centerline of luffing jib butt and inserts, 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. 8417-A** for luffing jib capacities. Consult chart **No. 8362-A** for lifting off lower boom point with luffing jib attached. Consult chart **No. 8368-A** for intermediate fall capacities with fixed jib attached.

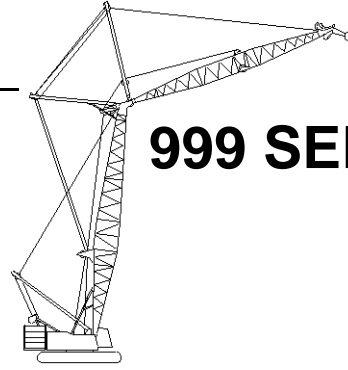
Fixed jib No. 134 must be removed before use of this chart.



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



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82

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

**184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating**

### 80 Ft. Boom, 70 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	56.2	119.8	36,300*	61.1	121.5	42,400*b	59.7	120.4	40,500*										35
40	46.5	115.3	28,600*	52.1	117.8	32,500*	50.5	116.5	31,300*	58.1	119.1	38,600*							40
45	34.7	108.8	23,200*	41.7	112.5	26,000*	39.7	110.9	25,200*	48.7	114.9	30,100*	61.2	118.5	42,900*b				45
50				27.9	104.5	21,300*	37.5	109.0	24,300*	52.2	114.8	32,800*							50
55										21.1	98.8	19,900*	41.8	109.7	26,200*	55.2	113.9	35,700*	60
60													28.1	101.6	21,500*	45.3	109.2	28,200*	65
65																33.1	102.4	22,900*	70
70																			

### 80 Ft. Boom, 80 Ft. Jib

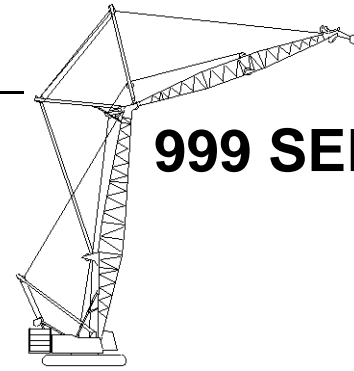
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	64.8	123.0	41,000*b	61.1	121.5	35,600*	67.9	123.2	47,200*b										30
35	56.2	119.8	30,400*	52.1	117.8	27,100*	59.7	120.4	34,000*	66.5	122.0	44,400*b							35
40	46.5	115.3	23,700*	41.7	112.5	21,500*	50.5	116.5	26,100*	58.1	119.1	32,400*	61.2	118.5	36,000*				40
45	34.7	108.8	19,100*	27.9	104.5	17,400*	39.7	110.9	20,800*	48.7	114.9	25,100*	52.2	114.8	27,400*	41.8	109.7	21,700*	45
50							24.8	102.0	16,900*	37.5	109.0	20,100*	52.2	114.8	27,400*	28.1	101.6	17,600*	50
55										21.1	98.8	16,300*	41.8	109.7	21,700*	55.2	113.9	29,800*	60
60													28.1	101.6	17,600*	45.3	109.2	23,400*	65
65																33.1	102.4	18,900*	70
70																			

### 80 Ft. Boom, 90 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	64.8	123.0	36,400*	61.1	121.5	31,500*	67.9	123.2	42,000*										30
35	56.2	119.8	26,800*	52.1	117.8	23,900*	59.7	120.4	30,000*	66.5	122.0	39,400*							35
40	46.5	115.3	20,800*	41.7	112.5	18,800*	50.5	116.5	22,900*	58.1	119.1	28,600*	61.2	118.5	31,800*				40
45	34.7	108.8	16,600*	27.9	104.5	15,100*	39.7	110.9	18,100*	48.7	114.9	22,000*	52.2	114.8	24,100*	41.8	109.7	18,900*	45
50							24.8	102.0	14,600*	37.5	109.0	17,500*	52.2	114.8	24,100*	28.1	101.6	15,200*	50
55										21.1	98.8	14,100*	41.8	109.7	18,900*	55.2	113.9	26,200*	60
60													28.1	101.6	15,200*	45.3	109.2	20,400*	65
65																33.1	102.4	16,400*	70
70																			



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 80 Ft. Boom, 100 Ft. Jib

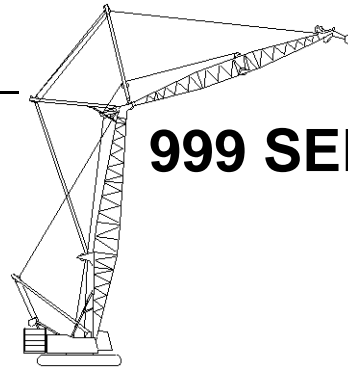
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	70.2	134.0	52,400*																30
35	63.8	131.6	38,700*	67.4	132.8	45,500*													35
40	57.0	128.5	30,100*	60.9	130.1	34,500*	66.4	131.9	43,300*										40
45	49.6	124.4	24,300*	53.8	126.6	27,300*	59.7	129.1	33,100*	65.2	130.7	41,200*							45
50	41.1	119.0	20,000*	46.0	122.0	22,300*	52.6	125.4	26,400*	58.5	127.7	31,800*							50
55	30.6	111.4	16,700*	36.8	115.8	18,500*	44.6	120.6	21,600*	51.2	123.9	25,500*	61.0	127.2	34,800*				55
60				24.6	106.5	15,500*	35.0	114.0	18,000*	43.0	118.8	20,900*	53.9	123.7	27,600*				60
65							21.8	103.8	15,100*	33.1	111.9	17,400*	46.1	119.1	22,500*	56.2	122.6	29,700*	65
70										18.5	100.3	14,600*	36.9	112.9	18,600*	48.7	118.4	24,000*	70
75													24.7	103.7	15,600*	40.0	112.8	19,800*	75
80															29.2	104.9	16,600*	80	

### 80 Ft. Boom, 110 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
25	72.7	125.2	50,400*b																25
30	64.8	123.0	34,000*	69.3	124.1	41,700*													30
35	56.2	119.8	25,200*	61.1	121.5	29,600*	67.9	123.2	39,200*										35
40	46.5	115.3	19,700*	52.1	117.8	22,500*	59.7	120.4	28,200*	66.5	122.0	36,800*							40
45	34.7	108.8	15,800*	41.7	112.5	17,800*	50.5	116.5	21,600*	58.1	119.1	26,800*							45
50				27.9	104.5	14,500*	39.7	110.9	17,200*	48.7	114.9	20,800*	61.2	118.5	29,800*				50
55							24.8	102.0	14,000*	37.5	109.0	16,600*	52.2	114.8	22,700*				55
60										21.1	98.8	13,500*	41.8	109.7	18,000*	55.2	113.9	24,600*	60
65													28.1	101.6	14,600*	45.3	109.2	19,300*	65
70															33.1	102.4	15,600*	70	



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 80 Ft. Boom, 120 Ft. Jib

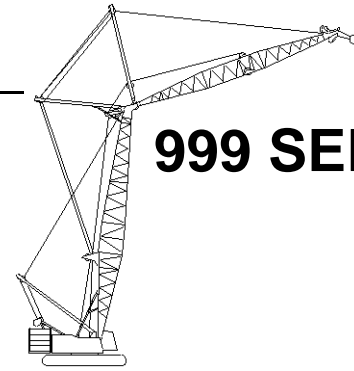
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	70.2	134.0	47,200*	73.7	134.8	58,000*												30	
35	63.8	131.6	34,800*	67.4	132.8	40,900*												35	
40	57.0	128.5	27,100*	60.9	130.1	31,000*	66.4	131.9	39,000*									40	
45	49.6	124.4	21,800*	53.8	126.6	24,600*	59.7	129.1	29,800*	65.2	130.7	37,100*						45	
50	41.1	119.0	17,900*	46.0	122.0	20,000*	52.6	125.4	23,700*	58.5	127.7	28,600*						50	
55	30.6	111.4	15,000*	36.8	115.8	16,600*	44.6	120.6	19,400*	51.2	123.9	22,900*	61.0	127.2	31,300*			55	
60				24.6	106.5	13,900*	35.0	114.0	16,100*	43.0	118.8	18,800*	53.9	123.7	24,800*			60	
65							21.8	103.8	13,500*	33.1	111.9	15,600*	46.1	119.1	20,200*	56.2	122.6	26,600*	65
70										18.5	100.3	13,100*	36.9	112.9	16,700*	48.7	118.4	21,500*	70
75													24.7	103.7	14,000*	40.0	112.8	17,800*	75
80																29.2	104.9	14,900*	80

### 80 Ft. Boom, 130 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	73.7	144.6	59,000*																30
35	68.5	142.7	44,000*	71.4	143.6	51,700*													35
40	63.2	140.3	34,300*	66.2	141.5	39,300*	70.6	142.8	49,200*										40
45	57.5	137.2	27,700*	60.7	138.8	31,200*	65.3	140.6	37,700*										45
50	51.5	133.3	22,900*	54.9	135.4	25,500*	59.8	137.7	30,100*	64.4	139.4	36,200*							50
55	44.8	128.5	19,200*	48.6	131.1	21,200*	53.9	134.2	24,700*	58.8	136.4	29,100*							55
60	37.2	122.3	16,400*	41.6	125.8	17,900*	47.5	129.8	20,700*	52.8	132.8	24,000*	60.8	135.8	31,400*			60	
65	27.7	113.8	14,000*	33.3	118.7	15,300*	40.3	124.2	17,500*	46.3	128.2	20,100*	55.0	132.4	25,700*			65	
70				22.2	108.3	13,100*	31.7	116.8	14,900*	38.9	122.3	17,000*	48.7	128.2	21,400*	56.9	131.3	27,400*	70
75							19.7	105.4	12,800*	29.9	114.4	14,600*	41.7	122.9	18,100*	50.8	127.4	22,700*	75
80										16.7	101.6	12,500*	33.4	115.9	15,500*	44.0	122.4	19,100*	80
85													22.3	105.5	13,300*	36.2	116.1	16,300*	85
90																26.4	107.1	14,000*	90



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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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With The Intent To Be In  
The Scope of ANSI B30.5

### 80 Ft. Boom, 140 Ft. Jib

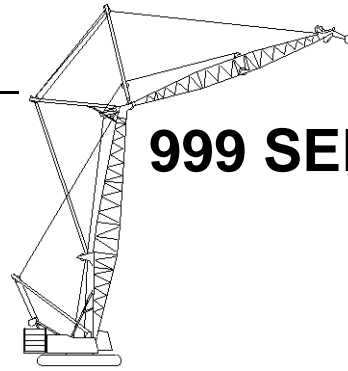
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall		Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	71.8	153.5	57,300*																	35
40	67.3	151.4	44,700*																	40
45	62.7	148.9	36,200*																	45
50	57.9	145.9	30,000*																	50
55	52.8	142.2	25,300*																	55
60	47.3	137.7	21,600*																	60
65	41.2	132.3	18,700*																	65
70	34.2	125.4	16,200*																	70
75	25.4	116.0	14,100*																	75
80																				80
85																				85
90																				90
95																				95
100																				100

### 80 Ft. Boom, 150 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall		Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	74.2	164.0	59,000*																	35
40	70.3	162.3	53,900*																	40
45	66.4	160.1	43,900*																	45
50	62.4	157.6	36,600*																	50
55	58.2	154.5	31,000*																	55
60	53.8	151.0	26,700*																	60
65	49.0	146.8	23,200*																	65
70	44.0	141.8	20,300*																	70
75	38.3	135.7	17,900*																	75
80	31.8	128.2	15,800*																	80
85	23.6	118.0	14,000*																	85
90																				90
95																				95
100																				100
105																				105
110																				110



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82

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

184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating

### 80 Ft. Boom, 160 Ft. Jib

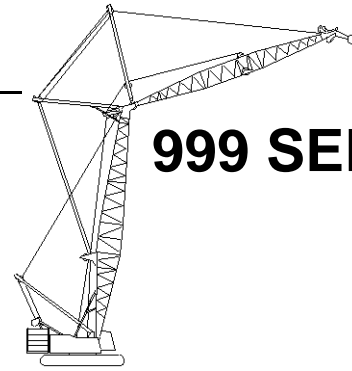
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		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	55,600*	71.1	171.9	59,000*													45
50	65.7	168.8	47,000*	67.7	169.9	51,700*	70.5	171.1	59,000*										50
55	62.1	166.2	40,000*	64.1	167.5	43,800*	67.1	169.0	50,400*										55
60	58.4	163.2	34,500*	60.5	164.7	37,500*	63.5	166.6	42,700*	66.5	167.9	48,900*							60
65	54.5	159.7	30,100*	56.7	161.5	32,600*	59.9	163.7	36,800*	62.9	165.3	41,700*							65
70	50.4	155.7	26,500*	52.7	157.8	28,500*	56.0	160.4	32,000*	59.2	162.4	35,900*							70
75	46.0	151.0	23,400*	48.5	153.5	25,100*	52.0	156.6	28,000*	55.3	159.0	31,300*	60.5	161.8	37,900*				75
80	41.2	145.5	20,800*	43.9	148.5	22,300*	47.7	152.2	24,800*	51.3	155.1	27,500*	56.7	158.6	33,000*				80
85	36.0	138.9	18,600*	39.0	142.5	19,900*	43.1	147.0	22,000*	47.0	150.6	24,400*	52.7	154.9	29,000*	58.0	157.4	34,500*	85
90	29.8	130.8	16,600*	33.4	135.3	17,800*	38.1	140.9	19,600*	42.3	145.3	21,700*	48.5	150.6	25,600*	54.0	153.8	30,300*	90
95	22.2	119.9	15,000*	26.7	126.2	15,900*	32.3	133.4	17,500*	37.1	139.0	19,300*	44.0	145.6	22,700*	49.9	149.7	26,700*	95
100				17.7	113.1	14,300*	25.4	123.8	15,700*	31.2	131.2	17,300*	39.0	139.6	20,300*	45.5	145.0	23,700*	100
105							15.7	109.5	14,100*	24.0	121.1	15,500*	33.4	132.5	18,100*	40.7	139.3	21,100*	105
110										13.2	105.0	14,000*	26.8	123.3	16,300*	35.3	132.6	18,900*	110
115													17.9	110.3	14,600*	29.1	124.2	17,000*	115
120																21.1	112.9	15,200*	120

### 80 Ft. Boom, 170 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		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*	60.6	153.2	31,800*				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*	56.3	149.9	27,200*				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*	51.8	146.1	23,500*	57.7	148.7	28,600*	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*	46.9	141.5	20,500*	53.2	145.1	24,700*	85
90				18.9	111.6	12,300*	27.1	121.6	13,600*	33.3	128.5	15,100*	41.6	136.1	18,000*	48.5	140.8	21,500*	90
95							16.8	108.2	12,100*	25.6	119.0	13,400*	35.6	129.5	15,900*	43.3	135.7	18,900*	95
100										14.1	103.9	11,900*	28.5	121.0	14,100*	37.6	129.5	16,600*	100
105													19.0	108.8	12,500*	31.0	121.7	14,700*	105
110																22.5	111.1	13,100*	110



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 80 Ft. Boom, 180 Ft. Jib

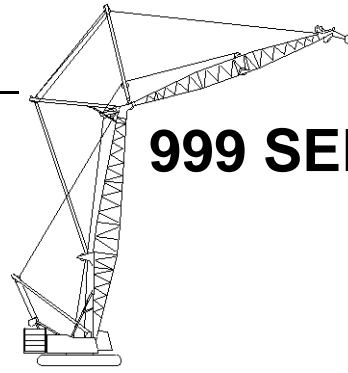
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		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*	60.5	161.8	34,700*				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*	56.7	158.6	30,200*				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*	52.7	154.9	26,500*	58.0	157.4	25,200	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*	48.5	150.6	22,700	54.0	153.8	21,100	90
95	22.2	119.9	13,600*	26.7	126.2	14,500*	32.3	133.4	16,000*	37.1	139.0	17,600*	44.0	145.6	19,000	49.9	149.7	17,500	95
100				17.7	113.1	13,000*	25.4	123.8	14,300*	31.2	131.2	15,800*	39.0	139.6	15,600	45.5	145.0	14,300	100
105							15.7	109.5	12,900*	24.0	121.1	13,800	33.4	132.5	12,600	40.7	139.3	11,300	105
110										13.2	105.0	10,700	26.8	123.3	9,800	35.3	132.6	8,700	110
115													17.9	110.3	7,200	29.1	124.2	6,200	115

### 80 Ft. Boom, 190 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		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*	60.6	153.2	29,400*				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*	56.3	149.9	25,200*				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*	51.8	146.1	21,800*	57.7	148.7	25,000	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*	46.9	141.5	19,000*	53.2	145.1	20,100	85
90				18.9	111.6	11,300*	27.1	121.6	12,500*	33.3	128.5	13,900*	41.6	136.1	16,600*	48.5	140.8	15,900	90
95							16.8	108.2	11,200*	25.6	119.0	12,400*	35.6	129.5	12,900	43.3	135.7	12,100	95
100										14.1	103.9	9,700	28.5	121.0	9,300	37.6	129.5	8,600	100
105													19.0	108.8	6,000	31.0	121.7	5,500	105



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82

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

**184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating**

### 80 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		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*	60.5	161.8	32,000*				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*	56.7	158.6	27,100				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*	52.7	154.9	22,300	58.0	157.4	20,900	85
90	29.8	130.8	13,800*	33.4	135.3	14,800*	38.1	140.9	16,400*	42.3	145.3	18,100*	48.5	150.6	18,000	54.0	153.8	16,700	90
95	22.2	119.9	12,400*	26.7	126.2	13,300*	32.3	133.4	14,600*	37.1	139.0	15,300	44.0	145.6	14,200	49.9	149.7	13,000	95
100				17.7	113.1	11,900*	25.4	123.8	12,300	31.2	131.2	11,800	39.0	139.6	10,800	45.5	145.0	9,700	100
105							15.7	109.5	8,900	24.0	121.1	8,500	33.4	132.5	7,700	40.7	139.3	6,700	105
110										13.2	105.0	5,400	26.8	123.3	4,800	35.3	132.6	4,000	110

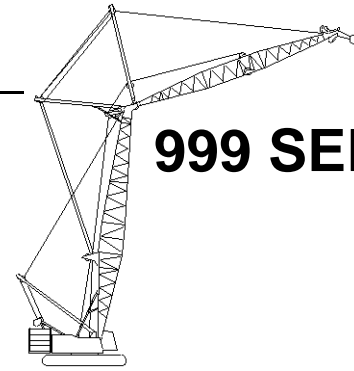
### 80 Ft. Boom, 210 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet			
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall					
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		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*	60.5	170.5	28,000				80
85	43.4	155.0	18,600*	45.8	157.7	19,900*	49.1	161.2	22,000*	52.2	164.0	24,300*	57.1	167.3	23,100				85
90	39.0	149.0	16,700*	41.5	152.2	17,800*	45.1	156.3	19,600*	48.4	159.6	20,400	53.5	163.7	18,900				90
95	34.0	141.9	15,000*	36.8	145.8	16,000*	40.8	150.7	17,400	44.3	154.7	16,600	49.8	159.5	15,200				95
100	28.2	133.2	13,500*	31.5	138.1	14,400*	36.0	144.1	13,900	40.0	148.9	13,100	45.8	154.8	11,800				100
105	20.9	121.7	11,700	25.2	128.4	11,300	30.6	136.1	10,700	35.1	142.1	10,000	41.6	149.3	8,800				105
110				16.7	114.5	8,200	24.0	125.9	7,800	29.5	133.8	7,200	36.9	142.9	6,100				110
115							14.8	110.7	4,900	22.7	123.0	4,500							115





# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 80 Ft. Boom, 220 Ft. Jib

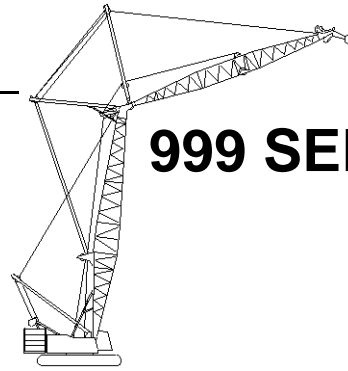
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	75.9	193.8	59,000*													40
45	73.2	192.3	51,900*													45
50	70.4	190.6	44,500*	71.9	191.4	48,400*										50
55	67.6	188.5	38,600*	69.1	189.5	41,800*										55
60	64.7	186.2	33,900*	66.3	187.3	36,400*	68.7	188.6	40,800*							60
65	61.7	183.6	29,900*	63.4	184.8	32,000*	65.8	186.4	35,600*							65
70	58.7	180.6	26,600*	60.4	182.1	28,400*	62.9	183.9	31,400*	65.3	185.2	34,800*				70
75	55.5	177.2	23,700*	57.3	178.9	25,300*	59.9	181.0	27,900*	62.4	182.7	30,700*				75
80	52.3	173.4	21,100*	54.1	175.3	22,600*	56.8	177.8	24,900*	59.3	179.8	27,300*				80
85	48.8	169.1	18,700*	50.7	171.3	20,100*	53.5	174.2	22,300*	56.2	176.5	24,400*	60.4	179.1	23,500	85
90	45.2	164.3	16,600*	47.2	166.8	17,800*	50.2	170.1	19,900*	53.0	172.8	21,100	57.3	176.0	19,400	90
95	41.3	158.7	14,800*	43.5	161.7	15,900*	46.6	165.5	17,600*	49.6	168.6	17,300	54.1	172.4	15,700	95
100	37.0	152.3	13,100*	39.4	155.8	14,100*	42.8	160.2	14,800	46.0	163.9	13,900	50.8	168.4	12,400	100
105	32.3	144.8	11,700*	35.0	148.9	12,500	38.7	154.2	11,600	42.1	158.5	10,800	47.3	163.9	9,400	105
110	26.8	135.6	10,000	30.0	140.7	9,600	34.2	147.1	8,800	38.0	152.3	8,000	43.5	158.8	6,700	110
115	19.9	123.3	7,300	24.0	130.4	6,900	29.1	138.7	6,200	33.4	145.0	5,500	39.5	152.9	4,300	115
120				15.9	115.8	4,300										120

### 80 Ft. Boom, 230 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	74.6	202.8	56,500*													45
50	72.1	201.2	48,800*	73.5	201.9	52,800*										50
55	69.5	199.4	42,600*	71.0	200.2	45,900*										55
60	67.0	197.3	37,600*	68.4	198.2	40,300*	70.5	199.4	44,900*							60
65	64.3	194.9	33,400*	65.8	196.0	35,700*	68.0	197.4	39,500*							65
70	61.6	192.2	29,900*	63.1	193.5	31,800*	65.3	195.1	35,000*	67.5	196.2	38,600*				70
75	58.8	189.2	26,900*	60.4	190.7	28,600*	62.6	192.5	31,300*	64.9	193.9	34,300*				75
80	55.9	185.9	24,300*	57.5	187.6	25,700*	59.9	189.7	28,100*	62.2	191.3	30,700*				80
85	52.9	182.2	22,000*	54.6	184.1	23,300*	57.0	186.5	25,300*	59.4	188.4	26,200				85
90	49.8	178.0	20,000*	51.6	180.2	21,100*	54.1	182.9	22,900*	56.5	185.2	21,900	60.4	187.8	20,000	90
95	46.6	173.4	17,900*	48.4	175.8	19,200*	51.1	179.0	19,100	53.6	181.5	18,100	57.6	184.7	16,400	95
100	43.1	168.2	16,100*	45.1	171.0	16,700	47.9	174.5	15,700	50.5	177.5	14,700	54.6	181.2	13,100	100
105	39.4	162.3	14,100	41.5	165.5	13,500	44.5	169.6	12,600	47.3	173.0	11,700	51.6	177.3	10,200	105
110	35.4	155.5	11,200	37.6	159.2	10,700	40.9	163.9	9,800	43.9	167.9	9,000	48.4	172.9	7,500	110
115	30.8	147.5	8,600	33.4	151.9	8,100	37.0	157.5	7,300	40.2	162.1	6,500	45.1	168.1	5,100	115
120	25.6	137.8	6,200	28.6	143.3	5,700	32.7	150.0	5,000	36.2	155.6	4,200				120



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
 Luffing Jib No. 149 On  
 Boom No. 82  
 184,600 Lb. Crane Counterweight  
 44,000 Lb. Carbody Counterweight  
 360 Degree Rating

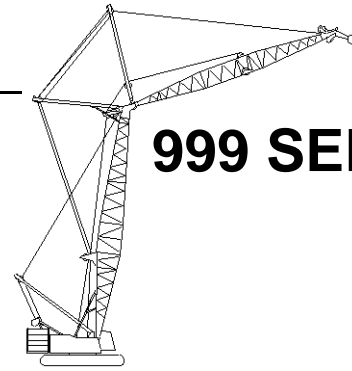
**Designed And Tested  
 With The Intent To Be In  
 The Scope of ANSI B30.5**

### 80 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	75.8	213.2	54,700*													45
50	73.5	211.7	47,200*													50
55	71.2	210.0	41,100*	72.5	210.8	44,400*										55
60	68.8	208.1	36,100*	70.2	209.0	38,800*										60
65	66.4	206.0	31,900*	67.8	207.0	34,200*	69.8	208.2	38,000*							65
70	64.0	203.6	28,400*	65.3	204.7	30,300*	67.4	206.1	33,500*							70
75	61.5	200.9	25,400*	62.9	202.2	27,000*	64.9	203.8	29,800*	66.9	205.0	32,800*				75
80	58.9	197.9	22,800*	60.3	199.4	24,200*	62.4	201.2	26,600*	64.5	202.6	29,200*				80
85	56.2	194.6	20,500*	57.7	196.3	21,700*	59.9	198.3	23,800*	62.0	200.0	26,000*				85
90	53.5	191.0	18,400*	55.0	192.8	19,600*	57.3	195.2	21,400*	59.4	197.1	22,200	62.9	199.3	20,200	90
95	50.7	186.9	16,600*	52.3	189.0	17,600*	54.6	191.7	19,300*	56.8	193.9	18,400	60.4	196.4	16,500	95
100	47.7	182.5	15,000*	49.4	184.8	15,900*	51.8	187.8	16,100	54.1	190.3	15,100	57.8	193.3	13,300	100
105	44.6	177.5	13,500*	46.4	180.1	14,100	48.9	183.5	13,100	51.3	186.4	12,100	55.1	189.9	10,400	105
110	41.3	172.0	11,900	43.2	174.9	11,200	45.8	178.8	10,300	48.4	182.0	9,300	52.3	186.1	7,800	110
115	37.7	165.7	9,300	39.8	169.1	8,700	42.6	173.4	7,800	45.3	177.1	6,900	49.4	181.9	5,400	115
120	33.9	158.5	6,900	36.1	162.4	6,300	39.2	167.5	5,500	42.0	171.7	4,600				120
125	29.6	150.1	4,700	32.0	154.7	4,200										125



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 90 Ft. Boom, 70 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	56.9	130.0	37,000*	62.3	131.9	44,400*b													35
40	47.3	125.7	29,100*	53.4	128.3	33,700*	61.7	131.1	43,700*b										40
45	35.6	119.4	23,500*	43.3	123.4	26,800*	52.8	127.5	33,300*	61.1	130.1	42,900*b							45
50	17.4	107.8	19,200*	30.2	115.9	21,900*	42.5	122.4	26,500*	52.2	126.4	32,800*							50
55							29.2	114.7	21,700*	41.7	121.2	26,200*	57.0	126.6	37,600*				55
60										28.0	113.1	21,400*	47.4	122.2	29,500*				60
65													35.8	116.0	23,900*	52.3	122.0	33,100*	65
70													17.8	104.6	19,500*	41.8	116.8	26,500*	70
75																28.1	108.8	21,600*	75

### 90 Ft. Boom, 80 Ft. Jib

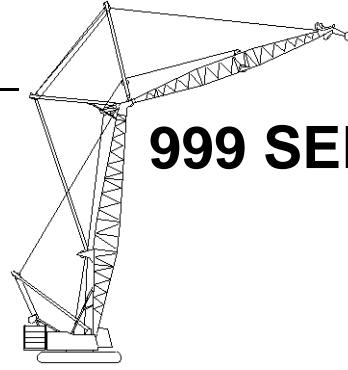
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	65.4	133.1	42,100*b																30
35	56.9	130.0	31,000*	62.3	131.9	37,300*													35
40	47.3	125.7	24,100*	53.4	128.3	28,200*	61.7	131.1	36,700*										40
45	35.6	119.4	19,400*	43.3	123.4	22,200*	52.8	127.5	27,800*	61.1	130.1	36,000*							45
50	17.4	107.8	15,700*	30.2	115.9	18,000*	42.5	122.4	22,000*	52.2	126.4	27,400*							50
55							29.2	114.7	17,800*	41.7	121.2	21,700*	57.0	126.6	31,500*				55
60										28.0	113.1	17,600*	47.4	122.2	24,500*				60
65													35.8	116.0	19,600*	52.3	122.0	27,600*	65
70													17.8	104.6	15,900*	41.8	116.8	21,900*	70
75																28.1	108.8	17,700*	75

### 90 Ft. Boom, 90 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	65.4	133.1	37,400*b																30
35	56.9	130.0	27,400*	62.3	131.9	33,100*													35
40	47.3	125.7	21,200*	53.4	128.3	24,800*	61.7	131.1	32,500*										40
45	35.6	119.4	16,900*	43.3	123.4	19,400*	52.8	127.5	24,400*	61.1	130.1	31,800*							45
50	17.4	107.8	13,600*	30.2	115.9	15,600*	42.5	122.4	19,200*	52.2	126.4	24,000*							50
55							29.2	114.7	15,400*	41.7	121.2	18,900*	57.0	126.6	27,800*				55
60										28.0	113.1	15,200*	47.4	122.2	21,400*				60
65													35.8	116.0	17,100*	52.3	122.0	24,300*	65
70													17.8	104.6	13,700*	41.8	116.8	19,100*	70
75																28.1	108.8	15,300*	75



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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**

## 90 Ft. Boom, 100 Ft. Jib

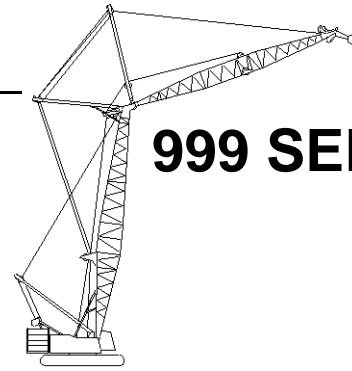
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	70.7	144.1	53,900* <sup>b</sup>																30
35	64.3	141.8	39,500*	68.3	143.1	47,700*													35
40	57.5	138.7	30,700*	61.8	140.5	35,800*	67.9	142.4	46,800*										40
45	50.1	134.7	24,700*	54.8	137.1	28,200*	61.4	139.7	35,300*	67.5	141.4	45,900*							45
50	41.7	129.5	20,300*	47.1	132.7	22,900*	54.4	136.3	27,900*	60.9	138.7	34,800*							50
55	31.4	122.1	16,900*	38.2	126.8	19,000*	46.6	131.8	22,700*	53.8	135.2	27,500*							55
60	15.2	109.0	14,200*	26.6	118.1	15,900*	37.6	125.8	18,800*	46.0	130.6	22,400*	57.6	135.3	31,100*				60
65										36.8	124.4	18,600*	50.2	131.3	25,000*				65
70										24.6	115.1	15,600*	41.9	126.0	20,600*	53.9	130.8	27,800*	70
75													31.6	118.7	17,200*	46.1	126.2	22,600*	75
80													15.6	105.8	14,300*	36.9	120.1	18,800*	80
85																24.8	110.8	15,700*	85

## 90 Ft. Boom, 110 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	65.4	133.1	34,900*	70.4	134.4	44,300*													30
35	56.9	130.0	25,700*	62.3	131.9	30,900*	69.9	133.7	43,300*										35
40	47.3	125.7	20,000*	53.4	128.3	23,300*	61.7	131.1	30,400*										40
45	35.6	119.4	16,100*	43.3	123.4	18,400*	52.8	127.5	23,000*	61.1	130.1	29,800*							45
50	17.4	107.8	13,100*	30.2	115.9	14,900*	42.5	122.4	18,200*	52.2	126.4	22,600*							50
55							29.2	114.7	14,700*	41.7	121.2	17,900*	57.0	126.6	26,000*				55
60										28.0	113.1	14,500*	47.4	122.2	20,200*				60
65													35.8	116.0	16,200*	52.3	122.0	22,800*	65
70													17.8	104.6	13,200*	41.8	116.8	18,100*	70
75																28.1	108.8	14,700*	75



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 90 Ft. Boom, 120 Ft. Jib

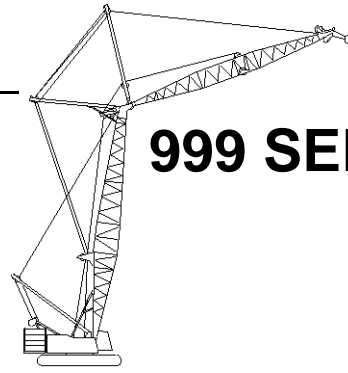
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet	
	Jib		Intermediate Fall		Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.		Elev. Feet
30	70.7	144.1	48,500*																		30
35	64.3	141.8	35,600*	68.3	143.1	42,900*															35
40	57.5	138.7	27,600*	61.8	140.5	32,200*	67.9	142.4	42,100*												40
45	50.1	134.7	22,100*	54.8	137.1	25,400*	61.4	139.7	31,800*	67.5	141.4	41,200*									45
50	41.7	129.5	18,200*	47.1	132.7	20,600*	54.4	136.3	25,100*	60.9	138.7	31,200*									50
55	31.4	122.1	15,200*	38.2	126.8	17,000*	46.6	131.8	20,300*	53.8	135.2	24,700*									55
60	15.2	109.0	12,700*	26.6	118.1	14,200*	37.6	125.8	16,800*	46.0	130.6	20,100*	57.6	135.3	27,900*						60
65													50.2	131.3	22,400*						65
70													41.9	126.0	18,400*	53.9	130.8	24,900*			70
75													31.6	118.7	15,400*	46.1	126.2	20,300*			75
80													15.6	105.8	12,900*	36.9	120.1	16,800*			80
85																24.8	110.8	14,100*			85

### 90 Ft. Boom, 130 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet	
	Jib		Intermediate Fall		Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.		Elev. Feet
30	74.0	154.7	59,000*																		30
35	68.9	152.9	45,000*	72.1	153.9	54,200*															35
40	63.6	150.5	35,000*	66.9	151.8	40,800*															40
45	57.9	147.4	28,100*	61.5	149.2	32,200*	66.6	151.1	40,200*												45
50	51.9	143.6	23,200*	55.8	145.9	26,200*	61.2	148.4	31,800*	66.2	150.1	39,600*									50
55	45.3	138.9	19,500*	49.5	141.7	21,800*	55.4	145.1	25,900*	60.7	147.4	31,400*									55
60	37.7	132.8	16,500*	42.6	136.6	18,300*	49.1	140.9	21,600*	54.9	144.0	25,600*									60
65	28.4	124.5	14,200*	34.5	129.8	15,600*	42.1	135.6	18,200*	48.6	139.7	21,400*	58.0	144.0	28,500*						65
70	13.6	110.0	12,200*	24.0	120.1	13,400*	34.0	128.8	15,500*	41.6	134.4	18,000*	52.0	140.2	23,500*						70
75							23.2	118.7	13,300*	33.3	127.4	15,400*	45.4	135.5	19,800*	55.0	139.6	25,800*			75
80										22.2	117.0	13,200*	37.9	129.4	16,800*	48.7	135.3	21,500*			80
85													28.6	121.2	14,400*	41.7	130.0	18,200*			85
90													14.0	106.8	12,300*	33.4	123.0	15,600*			90
95																22.4	112.7	13,300*			95



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 90 Ft. Boom, 140 Ft. Jib

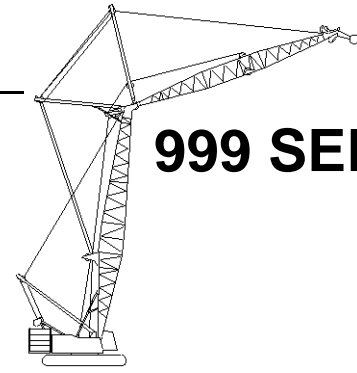
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	72.1	163.6	58,500*																35
40	67.6	161.6	45,600*	70.4	162.7	53,100*													40
45	63.1	159.1	36,800*	66.0	160.5	42,000*	70.2	162.0	52,300*										45
50	58.3	156.1	30,400*	61.3	157.8	34,300*	65.7	159.8	41,500*										50
55	53.2	152.5	25,600*	56.4	154.6	28,600*	61.0	157.1	33,900*	65.3	158.8	40,900*							55
60	47.7	148.1	21,900*	51.2	150.7	24,200*	56.1	153.8	28,300*	60.6	156.0	33,600*							60
65	41.6	142.7	18,800*	45.5	145.9	20,700*	50.8	149.8	24,000*	55.7	152.7	28,100*							65
70	34.7	135.9	16,300*	39.2	140.1	17,900*	45.1	145.0	20,600*	50.4	148.7	23,800*	58.3	152.6	30,900*				70
75	26.1	126.8	14,200*	31.8	132.6	15,600*	38.7	139.1	17,800*	44.7	143.8	20,400*	53.2	149.0	26,000*				75
80	12.4	110.9	12,500*	22.1	122.0	13,600*	31.2	131.5	15,500*	38.3	137.8	17,700*	47.8	144.6	22,200*	55.8	148.3	28,300*	80
85							21.3	120.5	13,500*	30.6	130.0	15,400*	41.7	139.3	19,200*	50.5	144.3	24,100*	85
90										20.4	118.7	13,400*	34.8	132.5	16,600*	44.8	139.5	20,700*	90
95													26.3	123.4	14,500*	38.3	133.5	17,900*	95
100													12.8	107.8	12,700*	30.7	125.7	15,600*	100
105																20.5	114.4	13,600*	105

### 90 Ft. Boom, 150 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.4	174.1	59,000*																35
40	70.6	172.4	54,900*	73.0	173.3	59,000*													40
45	66.7	170.3	44,500*	69.2	171.4	50,600*													45
50	62.7	167.8	37,100*	65.2	169.2	41,600*	68.9	170.7	50,100*										50
55	58.5	164.8	31,400*	61.1	166.5	34,900*	65.0	168.4	41,200*										55
60	54.1	161.2	27,000*	56.9	163.3	29,700*	60.9	165.7	34,600*	64.7	167.4	40,700*							60
65	49.4	157.1	23,400*	52.4	159.5	25,600*	56.6	162.5	29,500*	60.6	164.7	34,300*							65
70	44.3	152.1	20,400*	47.5	155.1	22,300*	52.1	158.7	25,500*	56.3	161.4	29,300*	62.7	164.3	37,500*				70
75	38.7	146.2	18,000*	42.3	149.8	19,600*	47.2	154.2	22,200*	51.7	157.6	25,300*	58.5	161.3	31,900*				75
80	32.3	138.7	15,900*	36.4	143.4	17,200*	42.0	148.9	19,500*	46.9	153.0	22,100*	54.1	157.8	27,400*				80
85	24.3	128.8	14,100*	29.5	135.2	15,300*	36.0	142.3	17,200*	41.6	147.6	19,400*	49.5	153.6	23,800*	56.3	157.0	29,600*	85
90	11.5	111.8	12,600*	20.5	123.7	13,600*	29.1	134.0	15,200*	35.6	141.0	17,100*	44.4	148.7	20,900*	51.8	153.2	25,600*	90
95							19.8	122.2	13,500*				38.8	142.8	18,400*	46.9	148.6	22,400*	95
100													32.4	135.4	16,300*	41.6	143.2	19,700*	100
105													24.4	125.5	14,400*	35.6	136.6	17,400*	105
110													11.8	108.7	12,800*	28.6	128.2	15,400*	110
115																19.1	116.0	13,700*	115



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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

## 90 Ft. Boom, 160 Ft. Jib

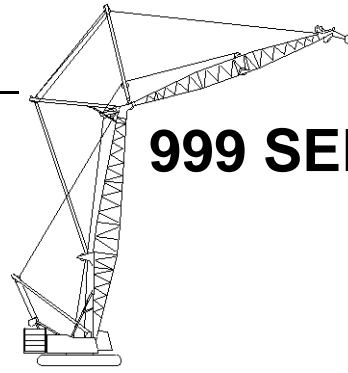
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	72.9	183.0	59,000*																40
45	69.5	181.2	56,300*	71.6	182.1	59,000*													45
50	66.0	179.0	47,600*	68.2	180.2	53,000*													50
55	62.4	176.4	40,500*	64.6	177.8	44,900*	67.9	179.5	52,700*										55
60	58.6	173.4	34,900*	61.0	175.1	38,400*	64.4	177.1	44,500*	67.7	178.5	52,100*							60
65	54.8	170.0	30,400*	57.2	172.0	33,200*	60.8	174.4	38,200*	64.2	176.1	44,100*							65
70	50.7	166.0	26,700*	53.3	168.3	29,000*	57.0	171.2	33,100*	60.5	173.3	37,900*							70
75	46.3	161.3	23,600*	49.1	164.1	25,600*	53.0	167.5	28,900*	56.7	170.1	32,900*	62.4	173.0	41,000*				75
80	41.6	155.9	20,900*	44.6	159.2	22,600*	48.8	163.2	25,500*	52.7	166.4	28,800*	58.7	170.0	35,500*				80
85	36.3	149.4	18,700*	39.7	153.4	20,200*	44.3	158.3	22,600*	48.5	162.1	25,400*	54.8	166.5	31,000*				85
90	30.3	141.4	16,700*	34.2	146.4	18,000*	39.4	152.4	20,100*	44.0	157.1	22,600*	50.7	162.5	27,300*	56.7	165.7	33,200*	90
95	22.8	130.8	15,000*	27.7	137.6	16,100*	33.8	145.3	18,000*	39.0	151.1	20,100*	46.4	157.9	24,200*	52.8	162.0	29,100*	95
100	10.7	112.6	13,600*	19.2	125.3	14,500*	27.3	136.4	16,100*	33.4	143.9	18,000*	41.7	152.5	21,500*	48.5	157.7	25,800*	100
105							18.6	123.7	14,500*	26.7	134.8	16,100*	36.4	146.0	19,200*	44.0	152.7	22,900*	105
110										17.8	121.7	14,500*	30.4	138.0	17,200*	39.1	146.8	20,400*	110
115													22.9	127.5	15,400*	33.5	139.6	18,300*	115
120													11.0	109.6	13,900*	26.8	130.5	16,400*	120
125																17.9	117.5	14,700*	125

## 90 Ft. Boom, 170 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	74.4	174.1	59,000*																35
40	70.6	172.4	50,700*	73.0	173.3	58,800*													40
45	66.7	170.3	41,200*	69.2	171.4	46,800*													45
50	62.7	167.8	34,300*	65.2	169.2	38,400*	68.9	170.7	46,300*										50
55	58.5	164.8	29,000*	61.1	166.5	32,200*	65.0	168.4	38,100*										55
60	54.1	161.2	24,900*	56.9	163.3	27,400*	60.9	165.7	32,000*	64.7	167.4	37,700*							60
65	49.4	157.1	21,600*	52.4	159.5	23,700*	56.6	162.5	27,300*	60.6	164.7	31,700*							65
70	44.3	152.1	18,800*	47.5	155.1	20,600*	52.1	158.7	23,500*	56.3	161.4	27,100*	62.7	164.3	34,700*				70
75	38.7	146.2	16,600*	42.3	149.8	18,000*	47.2	154.2	20,500*	51.7	157.6	23,400*	58.5	161.3	29,500*				75
80	32.3	138.7	14,600*	36.4	143.4	15,900*	42.0	148.9	18,000*	46.9	153.0	20,400*	54.1	157.8	25,400*				80
85	24.3	128.8	13,000*	29.5	135.2	14,000*	36.0	142.3	15,800*	41.6	147.6	17,900*	49.5	153.6	22,000*	56.3	157.0	23,900	85
90	11.5	111.8	11,600*	20.5	123.7	12,500*	29.1	134.0	14,000*	35.6	141.0	15,800*	44.4	148.7	19,300*	51.8	153.2	19,800	90
95							19.8	122.2	12,400*	28.5	132.5	14,000*	38.8	142.8	17,000*	46.9	148.6	16,200	95
100										19.0	120.2	12,400*	32.4	135.4	14,300	41.6	143.2	13,000	100
105													24.4	125.5	11,100	35.6	136.6	10,000	105
110													11.8	108.7	7,900	28.6	128.2	7,300	110
115																19.1	116.0	4,700	115



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82

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

184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating

### 90 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	72.9	183.0	59,000*															40	
45	69.5	181.2	52,300*	71.6	182.1	59,000*												45	
50	66.0	179.0	43,600*	68.2	180.2	48,800*												50	
55	62.4	176.4	37,100*	64.6	177.8	41,100*	67.9	179.5	48,300*									55	
60	58.6	173.4	31,900*	61.0	175.1	35,100*	64.4	177.1	40,800*	67.7	178.5	47,700*						60	
65	54.8	170.0	27,800*	57.2	172.0	30,400*	60.8	174.4	34,900*	64.2	176.1	40,400*						65	
70	50.7	166.0	24,400*	53.3	168.3	26,500*	57.0	171.2	30,300*	60.5	173.3	34,700*						70	
75	46.3	161.3	21,500*	49.1	164.1	23,300*	53.0	167.5	26,500*	56.7	170.1	30,100*	62.4	173.0	36,400			75	
80	41.6	155.9	19,100*	44.6	159.2	20,700*	48.8	163.2	23,300*	52.7	166.4	26,300*	58.7	170.0	31,000			80	
85	36.3	149.4	17,000*	39.7	153.4	18,400*	44.3	158.3	20,600*	48.5	162.1	23,200*	54.8	166.5	26,300			85	
90	30.3	141.4	15,200*	34.2	146.4	16,400*	39.4	152.4	18,400*	44.0	157.1	20,600*	50.7	162.5	22,100	56.7	165.7	20,200	90
95	22.8	130.8	13,600*	27.7	137.6	14,700*	33.8	145.3	16,400*	39.0	151.1	18,300*	46.4	157.9	18,400	52.8	162.0	16,600	95
100	10.7	112.6	12,300*	19.2	125.3	13,200*	27.3	136.4	14,700*	33.4	143.9	16,400*	41.7	152.5	15,100	48.5	157.7	13,500	100
105							18.6	123.7	13,200*	26.7	134.8	13,600	36.4	146.0	12,100	44.0	152.7	10,600	105
110										17.8	121.7	10,600	30.4	138.0	9,400	39.1	146.8	8,000	110
115													22.9	127.5	6,900	33.5	139.6	5,600	115
120													11.0	109.6	4,200				120

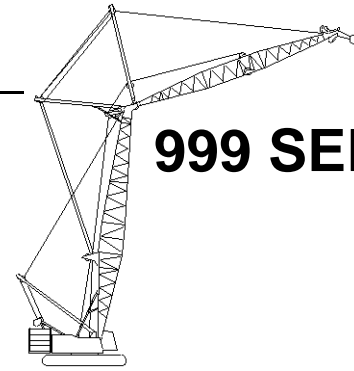
### 90 Ft. Boom, 190 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.4	174.1	59,000*																35
40	70.6	172.4	47,000*	73.0	173.3	54,500*													40
45	66.7	170.3	38,200*	69.2	171.4	43,400*													45
50	62.7	167.8	31,700*	65.2	169.2	35,600*	68.9	170.7	42,900*										50
55	58.5	164.8	26,800*	61.1	166.5	29,800*	65.0	168.4	35,300*										55
60	54.1	161.2	23,000*	56.9	163.3	25,400*	60.9	165.7	29,600*	64.7	167.4	34,900*							60
65	49.4	157.1	19,900*	52.4	159.5	21,900*	56.6	162.5	25,300*	60.6	164.7	29,400*							65
70	44.3	152.1	17,400*	47.5	155.1	19,000*	52.1	158.7	21,800*	56.3	161.4	25,100*	62.7	164.3	32,200*				70
75	38.7	146.2	15,200*	42.3	149.8	16,600*	47.2	154.2	18,900*	51.7	157.6	21,600*	58.5	161.3	27,300*				75
80	32.3	138.7	13,500*	36.4	143.4	14,600*	42.0	148.9	16,600*	46.9	153.0	18,800*	54.1	157.8	23,500*				80
85	24.3	128.8	11,900*	29.5	135.2	12,900*	36.0	142.3	14,600*	41.6	147.6	16,500*	49.5	153.6	20,400*	56.3	157.0	19,500	85
90	11.5	111.8	10,700*	20.5	123.7	11,500*	29.1	134.0	12,900*	35.6	141.0	14,500*	44.4	148.7	16,500	51.8	153.2	15,300	90
95							19.8	122.2	11,500*	28.5	132.5	12,900*	38.8	142.8	12,600	46.9	148.6	11,500	95
100										19.0	120.2	9,800	32.4	135.4	9,100	41.6	143.2	8,200	100
105													24.4	125.5	5,900	35.6	136.6	5,100	105





# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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

## 90 Ft. Boom, 200 Ft. Jib

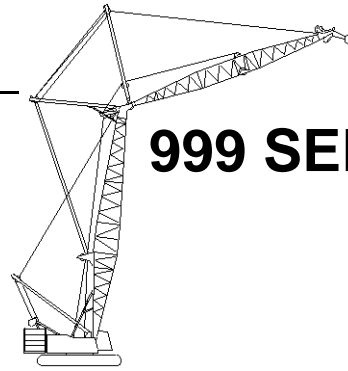
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	72.9	183.0	59,000*													40
45	69.5	181.2	48,200*	71.6	182.1	54,600*										45
50	66.0	179.0	40,200*	68.2	180.2	45,000*										50
55	62.4	176.4	34,100*	64.6	177.8	37,900*	67.9	179.5	44,600*							55
60	58.6	173.4	29,400*	61.0	175.1	32,300*	64.4	177.1	37,600*	67.7	178.5	44,000*				60
65	54.8	170.0	25,500*	57.2	172.0	28,000*	60.8	174.4	32,200*	64.2	176.1	37,200*				65
70	50.7	166.0	22,400*	53.3	168.3	24,400*	57.0	171.2	27,900*	60.5	173.3	31,900*				70
75	46.3	161.3	19,700*	49.1	164.1	21,400*	53.0	167.5	24,300*	56.7	170.1	27,700*	62.4	173.0	32,100	75
80	41.6	155.9	17,500*	44.6	159.2	18,900*	48.8	163.2	21,400*	52.7	166.4	24,200*	58.7	170.0	26,600	80
85	36.3	149.4	15,600*	39.7	153.4	16,800*	44.3	158.3	18,900*	48.5	162.1	21,300*	54.8	166.5	21,700	85
90	30.3	141.4	13,900*	34.2	146.4	15,000*	39.4	152.4	16,800*	44.0	157.1	18,900*	50.7	162.5	17,500	90
95	22.8	130.8	12,500*	27.7	137.6	13,400*	33.8	145.3	15,000*	39.0	151.1	15,100	46.4	157.9	13,700	95
100	10.7	112.6	9,300*	19.2	125.3	12,100*	27.3	136.4	12,300	33.4	143.9	11,600	41.7	152.5	10,300	100
105							18.6	123.7	8,900	26.7	134.8	8,400	36.4	146.0	7,300	105
110										17.8	121.7	5,400	30.4	138.0	4,500	110

## 90 Ft. Boom, 210 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.6	193.5	59,000*													40
45	71.6	191.9	54,100*	73.5	192.7	59,000*										45
50	68.5	189.9	46,600*	70.5	190.9	51,100*										50
55	65.4	187.7	40,000*	67.4	188.9	44,200*	70.3	190.3	50,600*							55
60	62.1	185.1	34,500*	64.2	186.5	37,900*	67.2	188.2	43,800*							60
65	58.8	182.1	30,100*	60.9	183.8	32,900*	64.0	185.8	37,700*	66.9	187.2	43,400*				65
70	55.3	178.7	26,500*	57.5	180.7	28,800*	60.7	183.0	32,800*	63.7	184.8	37,400*				70
75	51.7	174.8	23,500*	54.0	177.1	25,400*	57.3	179.9	28,700*	60.4	182.0	32,600*				75
80	47.8	170.4	20,900*	50.3	173.0	22,600*	53.7	176.3	25,400*	57.0	178.8	28,600*	62.2	181.6	27,300	80
85	43.7	165.4	18,700*	46.3	168.4	20,100*	50.0	172.2	22,600*	53.5	175.2	24,400	58.8	178.6	22,500	85
90	39.3	159.5	16,700*	42.1	163.0	18,000*	46.1	167.5	20,100*	49.8	171.0	20,100	55.4	175.3	18,300	90
95	34.4	152.5	15,000*	37.5	156.8	16,200*	41.8	162.1	17,300	45.8	166.3	16,300	51.7	171.4	14,600	95
100	28.6	143.9	13,500*	32.3	149.3	14,600	37.2	155.7	13,800	41.5	160.8	12,900	47.9	167.0	11,300	100
105	21.5	132.6	11,800	26.2	139.9	11,400	32.0	148.1	10,600	36.9	154.4	9,800	43.8	161.9	8,400	105
110				18.2	126.8	8,300	25.8	138.6	7,700	31.6	146.7	7,000	39.4	156.0	5,700	110
115							17.5	125.2	4,900	25.3	137.0	4,400				115



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 90 Ft. Boom, 220 Ft. Jib

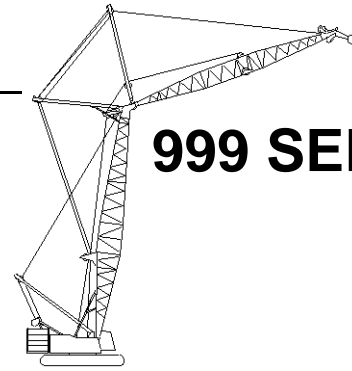
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	73.4	202.4	52,500*													45
50	70.6	200.7	45,100*	72.3	201.6	49,600*										50
55	67.8	198.7	39,100*	69.5	199.7	42,700*										55
60	64.9	196.4	34,200*	66.7	197.6	37,200*	69.4	199.0	42,300*							60
65	61.9	193.7	30,200*	63.8	195.2	32,700*	66.5	196.9	36,900*							65
70	58.9	190.8	26,900*	60.8	192.4	28,900*	63.6	194.5	32,400*	66.3	195.9	36,500*				70
75	55.8	187.4	24,000*	57.7	189.3	25,800*	60.6	191.7	28,700*	63.4	193.5	32,200*				75
80	52.5	183.7	21,300*	54.6	185.8	23,000*	57.5	188.6	25,600*	60.4	190.7	28,500*				80
85	49.1	179.4	18,800*	51.2	181.9	20,400*	54.3	185.0	22,900*	57.3	187.5	25,000	62.0	190.3	22,900	85
90	45.4	174.6	16,700*	47.7	177.5	18,100*	51.0	181.1	20,500*	54.1	183.9	20,700	58.9	187.3	18,700	90
95	41.6	169.1	14,800*	44.0	172.4	16,100*	47.5	176.6	18,100	50.8	179.9	16,900	55.8	184.0	15,100	95
100	37.3	162.8	13,200*	40.0	166.6	14,300*	43.8	171.5	14,600	47.2	175.4	13,600	52.5	180.2	11,800	100
105	32.7	155.4	11,800*	35.7	159.9	12,500	39.8	165.7	11,500	43.5	170.3	10,500	49.1	176.0	8,900	105
110	27.2	146.3	10,100	30.7	152.0	9,600	35.4	158.9	8,700	39.5	164.4	7,800	45.5	171.2	6,200	110
115	20.5	134.3	7,400	24.9	142.0	6,900	30.4	150.8	6,100	35.0	157.6	5,300				115
120				17.3	128.3	4,400										120

### 90 Ft. Boom, 230 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	74.8	212.9	57,100*													45
50	72.3	211.3	49,300*	73.9	212.1	54,000*										50
55	69.7	209.5	43,100*	71.3	210.4	46,900*										55
60	67.1	207.4	38,000*	68.8	208.5	41,100*										60
65	64.5	205.1	33,800*	66.2	206.3	36,400*	68.6	207.8	40,800*							65
70	61.8	202.4	30,200*	63.5	203.9	32,400*	66.0	205.6	36,100*							70
75	59.0	199.4	27,100*	60.7	201.1	29,000*	63.3	203.1	32,200*	65.8	204.6	35,800*				75
80	56.1	196.1	24,500*	57.9	198.0	26,100*	60.6	200.3	28,900*	63.1	202.1	30,600				80
85	53.1	192.5	22,200*	55.0	194.6	23,700*	57.7	197.2	26,000*	60.4	199.3	25,700				85
90	50.0	188.3	20,100*	52.0	190.7	21,500*	54.8	193.8	22,800	57.5	196.2	21,500	61.8	198.9	19,300	90
95	46.8	183.7	18,000*	48.9	186.4	19,400*	51.8	189.9	19,000	54.6	192.7	17,700	59.0	196.0	15,700	95
100	43.4	178.6	16,100*	45.5	181.6	16,700	48.6	185.6	15,500	51.6	188.8	14,400	56.2	192.7	12,500	100
105	39.7	172.7	14,200	42.0	176.2	13,500	45.3	180.8	12,500	48.4	184.4	11,400	53.2	189.0	9,600	105
110	35.6	166.0	11,300	38.2	170.1	10,700	41.8	175.3	9,700	45.1	179.6	8,700	50.1	184.9	7,000	110
115	31.2	158.1	8,700	34.0	163.0	8,100	38.0	169.1	7,200	41.5	174.1	6,200	46.8	180.3	4,600	115
120	26.0	148.5	6,300	29.3	154.5	5,700	33.8	161.9	4,800							120
125	19.5	136.0	4,000													125



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82  
184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating

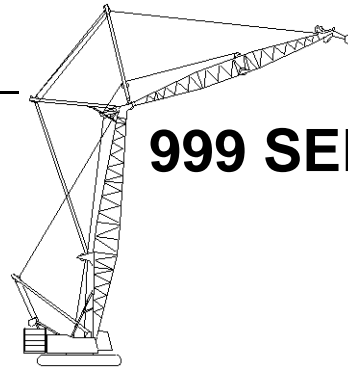
Designed And Tested  
With The Intent To Be In  
The Scope of ANSI B30.5

### 90 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	76.0	223.3	55,200*													45
50	73.7	221.8	47,700*													50
55	71.4	220.2	41,600*	72.8	221.0	45,300*										55
60	69.0	218.3	36,500*	70.5	219.2	39,600*										60
65	66.6	216.1	32,300*	68.1	217.2	34,900*	70.3	218.5	39,200*							65
70	64.1	213.7	28,700*	65.7	215.0	30,900*	68.0	216.5	34,600*							70
75	61.6	211.1	25,600*	63.2	212.5	27,500*	65.5	214.3	30,700*	67.8	215.6	34,200*				75
80	59.1	208.1	23,000*	60.7	209.8	24,600*	63.1	211.8	27,300*	65.4	213.3	30,400*				80
85	56.4	204.8	20,600*	58.1	206.7	22,100*	60.5	209.0	24,500*	62.9	210.8	25,900				85
90	53.7	201.2	18,600*	55.4	203.3	19,900*	57.9	205.9	22,000*	60.3	208.0	21,700				90
95	50.9	197.2	16,800*	52.7	199.5	17,900*	55.2	202.5	19,300	57.7	204.9	18,000	61.7	207.6	15,800	95
100	47.9	192.8	15,100*	49.8	195.4	16,200*	52.5	198.7	15,900	55.1	201.4	14,700	59.1	204.6	12,600	100
105	44.8	187.9	13,700*	46.8	190.8	14,000	49.6	194.5	12,900	52.3	197.6	11,700	56.5	201.4	9,700	105
110	41.5	182.4	12,000	43.6	185.6	11,200	46.6	189.9	10,100	49.4	193.4	9,000	53.7	197.8	7,200	110
115	38.0	176.1	9,300	40.2	179.9	8,700	43.4	184.7	7,600	46.4	188.7	6,600	50.9	193.8	4,800	115
120	34.2	169.0	7,000	36.6	173.4	6,300	40.0	178.9	5,300	43.2	183.5	4,300				120
125	29.9	160.8	4,800	32.6	165.9	4,100										125



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 100 Ft. Boom, 70 Ft. Jib

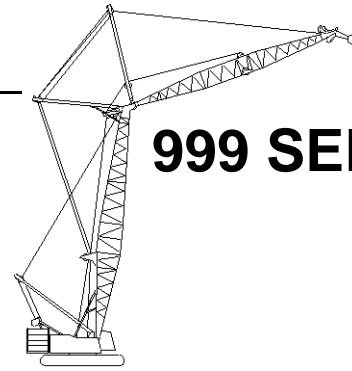
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	57.5	140.3	37,900*																35
40	48.0	136.0	29,600*	54.7	138.9	35,100*													40
45	36.5	129.9	23,900*	44.8	134.2	27,700*	55.1	138.4	35,500*										45
50	19.3	119.1	19,500*	32.3	127.1	22,500*	45.2	133.8	28,000*	55.4	137.6	36,000*							50
55							32.9	126.9	22,800*	45.6	133.0	28,300*	61.5	138.0	44,000*b				55
60										33.4	126.3	23,000*	52.6	134.3	33,500*				60
65													42.2	129.2	26,700*				65
70													28.7	121.3	21,800*	49.2	129.9	31,000*	70
75																38.0	124.1	24,900*	75
80																22.1	114.3	20,400*	80

### 100 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	65.9	143.3	43,400*b																30
35	57.5	140.3	31,700*	63.5	142.2	39,200*													35
40	48.0	136.0	24,600*	54.7	138.9	29,300*	63.8	141.7	39,900*b										40
45	36.5	129.9	19,700*	44.8	134.2	23,000*	55.1	138.4	29,700*	64.0	140.9	40,500*b							45
50	19.3	119.1	16,000*	32.3	127.1	18,500*	45.2	133.8	23,300*	55.4	137.6	30,100*							50
55							32.9	126.9	18,800*	45.6	133.0	23,500*	61.5	138.0	36,900*				55
60										33.4	126.3	18,900*	52.6	134.3	27,900*				60
65													42.2	129.2	22,000*				65
70													28.7	121.3	17,800*	49.2	129.9	25,700*	70
75																38.0	124.1	20,500*	75
80																22.1	114.3	16,700*	80



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 100 Ft. Boom, 90 Ft. Jib

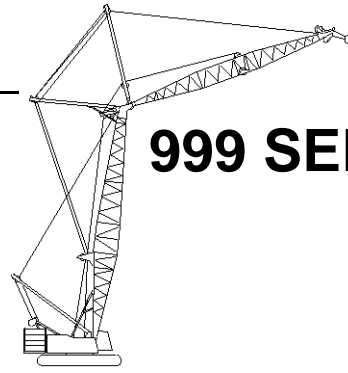
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	65.9	143.3	38,400*b																30
35	57.5	140.3	28,000*	63.5	142.2	34,700*													35
40	48.0	136.0	21,600*	54.7	138.9	25,800*	63.8	141.7	35,300*										40
45	36.5	129.9	17,200*	44.8	134.2	20,100*	55.1	138.4	26,200*	64.0	140.9	35,800*							45
50	19.3	119.1	13,800*	32.3	127.1	16,100*	45.2	133.8	20,400*	55.4	137.6	26,500*							50
55							32.9	126.9	16,300*	45.6	133.0	20,600*	61.5	138.0	32,600*				55
60										33.4	126.3	16,400*	52.6	134.3	24,500*				60
65													42.2	129.2	19,200*				65
70													28.7	121.3	15,500*	49.2	129.9	22,500*	70
75																38.0	124.1	17,900*	75
80																22.1	114.3	14,400*	80

### 100 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	71.1	154.3	55,600*b																30
35	64.7	152.0	40,500*	69.2	153.4	50,200*													35
40	58.0	149.0	31,300*	62.7	150.9	37,300*	69.4	152.8	51,100*										40
45	50.7	145.0	25,100*	55.9	147.6	29,200*	63.0	150.4	37,900*										45
50	42.4	139.9	20,600*	48.3	143.4	23,600*	56.1	147.1	29,600*	63.2	149.6	38,300*							50
55	32.3	132.7	17,100*	39.6	137.7	19,500*	48.6	142.9	23,900*	56.4	146.4	29,900*							55
60	16.9	120.4	14,400*	28.5	129.6	16,300*	39.9	137.3	19,700*	48.9	142.2	24,100*	61.2	146.6	35,500*				60
65													54.2	143.1	28,000*				65
70													46.4	138.6	22,800*				70
75													37.3	132.5	18,900*	51.6	138.9	26,100*	75
80													25.3	123.4	15,800*	43.4	133.9	21,400*	80
85																33.6	127.0	17,800*	85
90																19.4	115.8	14,900*	90



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 100 Ft. Boom, 110 Ft. Jib

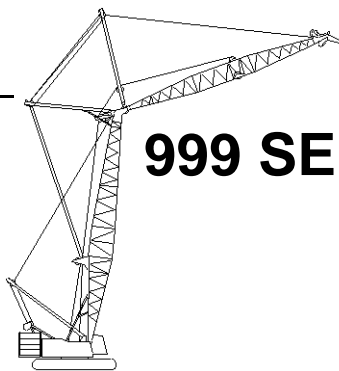
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	65.9	143.3	35,900*	71.5	144.6	47,300*b													30
35	57.5	140.3	26,300*	63.5	142.2	32,500*													35
40	48.0	136.0	20,400*	54.7	138.9	24,200*	63.8	141.7	33,000*										40
45	36.5	129.9	16,300*	44.8	134.2	19,000*	55.1	138.4	24,600*	64.0	140.9	33,400*							45
50	19.3	119.1	13,300*	32.3	127.1	15,300*	45.2	133.8	19,200*	55.4	137.6	24,800*							50
55							32.9	126.9	15,500*	45.6	133.0	19,400*	61.5	138.0	30,400*				55
60										33.4	126.3	15,600*	52.6	134.3	23,000*				60
65													42.2	129.2	18,200*				65
70													28.7	121.3	14,800*	49.2	129.9	21,200*	70
75																38.0	124.1	16,900*	75
80																22.1	114.3	13,800*	80

### 100 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	71.1	154.3	49,900*																30
35	64.7	152.0	36,400*	69.2	153.4	45,100*													35
40	58.0	149.0	28,100*	62.7	150.9	33,500*	69.4	152.8	45,800*										40
45	50.7	145.0	22,500*	55.9	147.6	26,200*	63.0	150.4	34,000*										45
50	42.4	139.9	18,400*	48.3	143.4	21,200*	56.1	147.1	26,500*	63.2	149.6	34,400*							50
55	32.3	132.7	15,400*	39.6	137.7	17,500*	48.6	142.9	21,400*	56.4	146.4	26,800*							55
60	16.9	120.4	12,900*	28.5	129.6	14,600*	39.9	137.3	17,600*	48.9	142.2	21,600*	61.2	146.6	31,800*				60
65							29.0	129.4	14,700*	40.2	136.7	17,800*	54.2	143.1	25,100*				65
70										29.4	128.8	14,900*	46.4	138.6	20,400*				70
75													37.3	132.5	16,900*	51.6	138.9	23,400*	75
80													25.3	123.4	14,100*	43.4	133.9	19,100*	80
85																33.6	127.0	15,900*	85
90																19.4	115.8	13,400*	90



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 100 Ft. Boom, 130 Ft. Jib

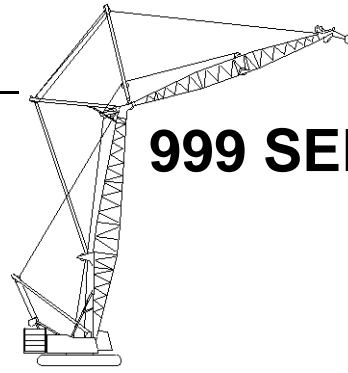
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet	
	Jib		Intermediate Fall		Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.		Elev. Feet
30	74.4	164.9	59,000*																		30
35	69.3	163.0	46,000*	72.9	164.1	57,000*															35
40	64.0	160.6	35,600*	67.7	162.1	42,500*															40
45	58.4	157.6	28,600*	62.3	159.5	33,300*	67.9	161.6	43,000*												45
50	52.4	153.9	23,500*	56.6	156.3	27,000*	62.5	159.0	33,700*												50
55	45.8	149.3	19,700*	50.4	152.4	22,300*	56.8	155.9	27,300*	62.7	158.2	34,000*									55
60	38.3	143.3	16,700*	43.6	147.4	18,800*	50.7	151.9	22,600*	57.0	155.1	27,500*									60
65	29.2	135.2	14,300*	35.8	140.9	16,000*	43.9	147.0	19,000*	50.9	151.2	22,800*	61.0	155.3	31,900*						65
70	15.2	121.6	12,300*	25.8	131.8	13,700*	36.1	140.6	16,100*	44.2	146.2	19,100*	55.2	151.9	26,000*						70
75							26.2	131.6	13,800*	36.4	139.9	16,300*	48.9	147.7	21,600*						75
80										26.6	131.0	13,900*	41.9	142.4	18,300*	53.1	147.7	24,400*			80
85													33.7	135.5	15,600*	46.6	143.2	20,500*			85
90													22.8	125.3	13,400*	39.2	137.4	17,400*			90
95																30.4	129.6	14,800*			95
100																17.4	117.2	12,700*			100

### 100 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet	
	Jib		Intermediate Fall		Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.		Elev. Feet
35	72.4	173.7	59,000*																		35
40	68.0	171.7	46,500*	71.1	172.9	55,300*															40
45	63.4	169.3	37,400*	66.6	170.8	43,500*															45
50	58.6	166.3	30,900*	62.0	168.2	35,300*	66.8	170.3	43,900*												50
55	53.5	162.7	25,900*	57.1	165.0	29,300*	62.1	167.7	35,700*	66.9	169.4	44,300*									55
60	48.1	158.4	22,100*	51.9	161.2	24,700*	57.3	164.6	29,600*	62.3	166.9	36,000*									60
65	42.1	153.1	19,000*	46.3	156.6	21,200*	52.1	160.8	25,000*	57.4	163.8	29,900*									65
70	35.2	146.4	16,500*	40.1	151.0	18,200*	46.6	156.2	21,400*	52.3	160.0	25,200*	60.8	163.9	34,000*						70
75	26.8	137.5	14,400*	32.9	143.8	15,800*	40.4	150.6	18,400*	46.7	155.5	21,600*	55.9	160.6	28,500*						75
80	13.9	122.6	12,600*	23.7	133.8	13,800*	33.2	143.5	16,000*	40.6	149.9	18,600*	50.7	156.7	24,200*						80
85							24.1	133.6	14,000*	33.5	142.8	16,100*	44.9	151.8	20,700*	54.1	156.5	27,000*			85
90										24.5	133.1	14,100*	38.5	145.9	17,900*	48.7	152.3	23,000*			90
95													31.0	138.2	15,600*	42.8	147.1	19,800*			95
100													20.9	127.1	13,600*	36.1	140.6	17,200*			100
105																27.9	132.1	14,900*			105
110																16.0	118.5	13,000*			110



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82

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

184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating

### 100 Ft. Boom, 150 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.7	184.2	59,000*																35
40	70.9	182.5	55,900*	73.5	183.5	59,000*													40
45	67.0	180.5	45,300*	69.7	181.7	52,400*													45
50	63.0	178.0	37,600*	65.8	179.5	42,800*	69.9	181.1	52,900*										50
55	58.8	175.0	31,800*	61.7	176.8	35,800*	65.9	179.0	43,300*										55
60	54.4	171.5	27,200*	57.5	173.7	30,400*	61.9	176.3	36,100*	66.1	178.1	43,600*							60
65	49.7	167.4	23,600*	53.0	170.1	26,100*	57.6	173.2	30,700*	62.0	175.5	36,500*							65
70	44.7	162.5	20,600*	48.2	165.7	22,700*	53.2	169.6	26,400*	57.8	172.5	31,000*							70
75	39.1	156.6	18,100*	43.1	160.6	19,900*	48.4	165.3	23,000*	53.3	168.8	26,700*	60.7	172.6	34,800*				75
80	32.8	149.3	16,000*	37.3	154.3	17,500*	43.3	160.2	20,100*	48.6	164.6	23,200*	56.4	169.3	29,700*				80
85	24.9	139.6	14,200*	30.6	146.4	15,500*	37.6	154.0	17,700*	43.5	159.5	20,300*	51.9	165.5	25,700*				85
90	12.9	123.6	12,600*	22.0	135.6	13,700*	30.9	146.2	15,600*	37.8	153.3	17,900*	47.1	161.0	22,400*	54.9	165.3	28,300*	90
95							22.4	135.5	13,900*	31.1	145.6	15,800*	41.8	155.6	19,600*	50.3	161.2	24,600*	95
100										22.7	135.0	14,000*	35.9	149.1	17,300*	45.3	156.4	21,500*	100
105													28.8	140.7	15,300*	39.8	150.7	18,900*	105
110													19.5	128.7	13,600*	33.6	143.6	16,700*	110
115																26.0	134.3	14,800*	115
120																14.8	119.6	13,200*	120

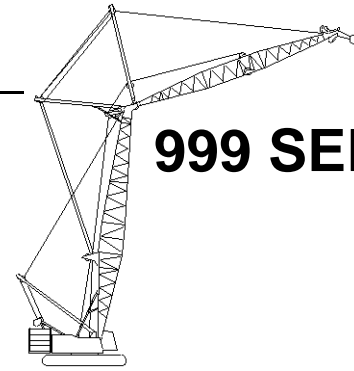
### 100 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.1	193.1	59,000*																40
45	69.7	191.3	57,000*	72.1	192.4	59,000*													45
50	66.2	189.2	48,100*	68.6	190.4	54,300*													50
55	62.6	186.6	41,000*	65.1	188.2	46,000*	68.8	189.9	55,100*										55
60	58.9	183.7	35,300*	61.5	185.5	39,300*	65.3	187.6	46,500*										60
65	55.0	180.2	30,700*	57.8	182.4	33,900*	61.7	185.0	39,700*	65.4	186.8	46,800*							65
70	51.0	176.3	26,900*	53.8	178.8	29,600*	57.9	181.9	34,300*	61.8	184.2	40,000*							70
75	46.6	171.7	23,700*	49.7	174.7	26,000*	54.0	178.4	29,900*	58.0	181.1	34,600*							75
80	41.9	166.3	21,000*	45.2	169.9	23,000*	49.8	174.3	26,300*	54.1	177.6	30,200*	60.7	181.2	34,800				80
85	36.7	159.9	18,800*	40.4	164.2	20,400*	45.4	169.5	23,300*	50.0	173.5	26,500*	56.9	178.0	30,300				85
90	30.8	152.0	16,800*	35.0	157.4	18,200*	40.6	163.9	20,700*	45.6	168.7	23,500*	52.9	174.3	26,300				90
95	23.4	141.6	15,100*	28.7	149.0	16,300*	35.3	157.1	18,500*	40.8	163.2	20,900*	48.7	170.1	22,700	55.5	174.0	20,300	95
100	12.0	124.6	13,600*	20.6	137.4	14,700*	29.0	148.7	16,500*	35.4	156.5	18,600*	44.2	165.1	19,500	51.4	170.1	17,300	100
105							21.0	137.3	14,800*	29.2	148.1	16,700*	39.2	159.2	16,600	47.1	165.6	14,600	105
110										21.3	136.9	15,000*	33.7	152.1	14,000	42.5	160.3	12,100	110
115													27.1	143.0	11,600	37.4	154.0	9,900	115
120													18.2	130.2	9,300	31.5	146.4	7,800	120
125																24.4	136.4	5,800	125





# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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

## 100 Ft. Boom, 170 Ft. Jib

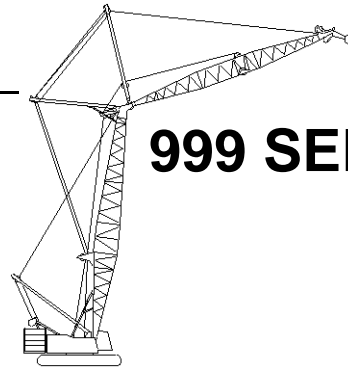
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.7	184.2	59,000*																35
40	70.9	182.5	51,700*	73.5	183.5	59,000*													40
45	67.0	180.5	41,900*	69.7	181.7	48,400*													45
50	63.0	178.0	34,700*	65.8	179.5	39,600*	69.9	181.1	48,900*										50
55	58.8	175.0	29,400*	61.7	176.8	33,100*	65.9	179.0	40,000*										55
60	54.4	171.5	25,100*	57.5	173.7	28,100*	61.9	176.3	33,400*	66.1	178.1	40,300*							60
65	49.7	167.4	21,800*	53.0	170.1	24,100*	57.6	173.2	28,400*	62.0	175.5	33,700*							65
70	44.7	162.5	19,000*	48.2	165.7	20,900*	53.2	169.6	24,400*	57.8	172.5	28,600*							70
75	39.1	156.6	16,700*	43.1	160.6	18,300*	48.4	165.3	21,200*	53.3	168.8	24,600*	60.7	172.6	32,100*				75
80	32.8	149.3	14,700*	37.3	154.3	16,100*	43.3	160.2	18,500*	48.6	164.6	21,400*	56.4	169.3	27,500*				80
85	24.9	139.6	13,000*	30.6	146.4	14,200*	37.6	154.0	16,300*	43.5	159.5	18,700*	51.9	165.5	23,700*				85
90	12.9	123.6	11,600*	22.0	135.6	12,600*	30.9	146.2	14,400*	37.8	153.3	16,500*	47.1	161.0	20,700*	54.9	165.3	19,200	90
95							22.4	135.5	12,800*	31.1	145.6	14,600*	41.8	155.6	17,300	50.3	161.2	15,600	95
100										22.7	135.0	12,900*	35.9	149.1	13,900	45.3	156.4	12,400	100
105													28.8	140.7	10,800	39.8	150.7	9,500	105
110													19.5	128.7	7,900	33.6	143.6	6,800	110
115																26.0	134.3	4,400	115

## 100 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.1	193.1	59,000*																40
45	69.7	191.3	53,200*	72.1	192.4	59,000*													45
50	66.2	189.2	44,300*	68.6	190.4	50,300*													50
55	62.6	186.6	37,500*	65.1	188.2	42,100*	68.8	189.9	50,700*										55
60	58.9	183.7	32,300*	61.5	185.5	35,900*	65.3	187.6	42,600*										60
65	55.0	180.2	28,000*	57.8	182.4	31,000*	61.7	185.0	36,300*	65.4	186.8	42,900*							65
70	51.0	176.3	24,500*	53.8	178.8	27,000*	57.9	181.9	31,400*	61.8	184.2	36,600*							70
75	46.6	171.7	21,600*	49.7	174.7	23,700*	54.0	178.4	27,300*	58.0	181.1	31,600*							75
80	41.9	166.3	19,200*	45.2	169.9	21,000*	49.8	174.3	24,000*	54.1	177.6	27,600*	60.7	181.2	30,300				80
85	36.7	159.9	17,100*	40.4	164.2	18,600*	45.4	169.5	21,200*	50.0	173.5	24,300*	56.9	178.0	25,600				85
90	30.8	152.0	15,200*	35.0	157.4	16,600*	40.6	163.9	18,800*	45.6	168.7	21,400*	52.9	174.3	21,500				90
95	23.4	141.6	13,700*	28.7	149.0	14,800*	35.3	157.1	16,800*	40.8	163.2	19,100*	48.7	170.1	17,900	55.5	174.0	15,900	95
100	12.0	124.6	12,300*	20.6	137.4	13,300*	29.0	148.7	15,000*	35.4	156.5	16,400	44.2	165.1	14,600	51.4	170.1	12,800	100
105							21.0	137.3	13,500*	29.2	148.1	13,300	39.2	159.2	11,700	47.1	165.6	10,000	105
110										21.3	136.9	10,500	33.7	152.1	9,000	42.5	160.3	7,400	110
115													27.1	143.0	6,500	37.4	154.0	5,100	115
120													18.2	130.2	4,200				120



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 100 Ft. Boom, 190 Ft. Jib

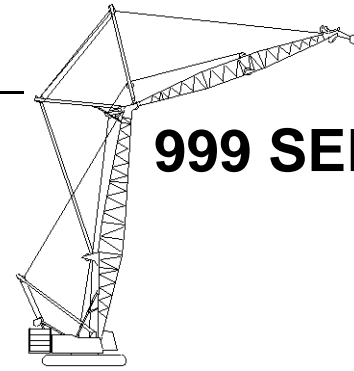
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	74.7	184.2	59,000*													35
40	70.9	182.5	47,900*	73.5	183.5	56,700*										40
45	67.0	180.5	38,800*	69.7	181.7	44,900*										45
50	63.0	178.0	32,200*	65.8	179.5	36,600*	69.9	181.1	45,400*							50
55	58.8	175.0	27,100*	61.7	176.8	30,600*	65.9	179.0	37,000*							55
60	54.4	171.5	23,200*	57.5	173.7	26,000*	61.9	176.3	30,900*	66.1	178.1	37,400*				60
65	49.7	167.4	20,100*	53.0	170.1	22,300*	57.6	173.2	26,300*	62.0	175.5	31,200*				65
70	44.7	162.5	17,500*	48.2	165.7	19,300*	53.2	169.6	22,600*	57.8	172.5	26,500*				70
75	39.1	156.6	15,300*	43.1	160.6	16,900*	48.4	165.3	19,600*	53.3	168.8	22,800*	60.7	172.6	29,800*	75
80	32.8	149.3	13,500*	37.3	154.3	14,800*	43.3	160.2	17,100*	48.6	164.6	19,800*	56.4	169.3	25,300	80
85	24.9	139.6	12,000*	30.6	146.4	13,100*	37.6	154.0	15,000*	43.5	159.5	17,300*	51.9	165.5	20,400	85
90	12.9	123.6	10,700*	22.0	135.6	11,600*	30.9	146.2	13,300*	37.8	153.3	15,200*	47.1	161.0	16,100	90
95							22.4	135.5	11,700*	31.1	145.6	13,400	41.8	155.6	12,300	95
100										22.7	135.0	9,800	35.9	149.1	8,900	100
105													28.8	140.7	5,700	105

### 100 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	73.1	193.1	59,000*													40
45	69.7	191.3	49,000*	72.1	192.4	56,400*										45
50	66.2	189.2	40,800*	68.6	190.4	46,300*										50
55	62.6	186.6	34,500*	65.1	188.2	38,800*	68.8	189.9	46,700*							55
60	58.9	183.7	29,700*	61.5	185.5	33,100*	65.3	187.6	39,200*							60
65	55.0	180.2	25,700*	57.8	182.4	28,500*	61.7	185.0	33,400*	65.4	186.8	39,500*				65
70	51.0	176.3	22,500*	53.8	178.8	24,800*	57.9	181.9	28,800*	61.8	184.2	33,700*				70
75	46.6	171.7	19,800*	49.7	174.7	21,800*	54.0	178.4	25,100*	58.0	181.1	29,100*				75
80	41.9	166.3	17,500*	45.2	169.9	19,200*	49.8	174.3	22,100*	54.1	177.6	25,400*	60.7	181.2	26,000	80
85	36.7	159.9	15,600*	40.4	164.2	17,000*	45.4	169.5	19,500*	50.0	173.5	22,300*	56.9	178.0	21,300	85
90	30.8	152.0	13,900*	35.0	157.4	15,200*	40.6	163.9	17,300*	45.6	168.7	18,700	52.9	174.3	17,000	90
95	23.4	141.6	12,500*	28.7	149.0	13,600*	35.3	157.1	15,400*	40.8	163.2	14,900	48.7	170.1	13,300	95
100	12.0	124.6	11,300*	20.6	137.4	12,200*	29.0	148.7	12,200	35.4	156.5	11,400	44.2	165.1	10,000	100
105							21.0	137.3	8,900	29.2	148.1	8,200	39.2	159.2	7,000	105
110										21.3	136.9	5,300	33.7	152.1	4,200	110



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 100 Ft. Boom, 210 Ft. Jib

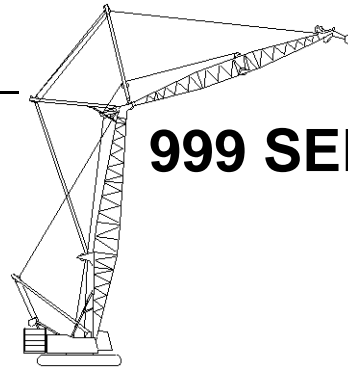
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.8	203.6	59,000*													40
45	71.8	202.0	54,800*	73.9	202.9	59,000*										45
50	68.7	200.1	47,200*	70.9	201.2	52,300*										50
55	65.6	197.8	40,500*	67.8	199.2	45,200*	71.0	200.6	52,700*							55
60	62.4	195.3	34,900*	64.6	196.8	38,800*	67.9	198.6	45,500*							60
65	59.0	192.3	30,400*	61.4	194.2	33,600*	64.8	196.3	39,100*	68.0	197.8	45,600*				65
70	55.6	189.0	26,700*	58.0	191.1	29,300*	61.5	193.7	33,900*	64.9	195.5	39,400*				70
75	51.9	185.1	23,600*	54.5	187.6	25,900*	58.1	190.6	29,700*	61.6	192.9	34,200*				75
80	48.1	180.8	21,000*	50.8	183.6	22,900*	54.6	187.1	26,200*	58.2	189.8	29,000				80
85	44.0	175.7	18,700*	46.9	179.0	20,400*	50.9	183.2	23,200*	54.7	186.3	24,100	60.6	189.9	22,000	85
90	39.6	169.9	16,800*	42.7	173.8	18,200*	47.1	178.6	20,700*	51.1	182.4	19,800	57.2	186.7	17,800	90
95	34.7	163.0	15,100*	38.2	167.7	16,400*	42.9	173.4	17,100	47.2	177.9	16,000	53.6	183.1	14,200	95
100	29.1	154.6	13,500*	33.1	160.4	14,600	38.4	167.3	13,600	43.0	172.7	12,600	49.9	179.0	10,900	100
105	22.1	143.5	11,900	27.1	151.3	11,300	33.3	160.1	10,500	38.5	166.6	9,500	46.0	174.3	7,900	105
110	11.3	125.5	8,600	19.5	139.0	8,300	27.4	151.1	7,600	33.5	159.4	6,700	41.7	168.9	5,300	110
115							19.9	139.0	4,900	27.6	150.5	4,200				115

### 100 Ft. Boom, 220 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	73.5	212.5	53,300*													45
50	70.8	210.8	45,600*	72.7	211.8	50,800*										50
55	68.0	208.8	39,600*	69.9	210.0	43,700*										55
60	65.1	206.5	34,700*	67.1	207.9	38,000*	70.0	209.4	43,900*							60
65	62.1	203.9	30,600*	64.2	205.5	33,400*	67.2	207.4	38,200*							65
70	59.1	201.0	27,200*	61.2	202.8	29,500*	64.3	205.0	33,600*	67.3	206.6	38,400*				70
75	56.0	197.7	24,200*	58.2	199.8	26,300*	61.4	202.3	29,700*	64.4	204.2	33,700*				75
80	52.7	193.9	21,400*	55.0	196.3	23,500*	58.3	199.3	26,400*	61.5	201.5	29,500				80
85	49.3	189.7	18,900*	51.7	192.5	20,800*	55.1	195.9	23,600*	58.4	198.5	24,600				85
90	45.7	185.0	16,800*	48.2	188.1	18,400*	51.8	192.0	21,100*	55.2	195.1	20,400	60.5	198.5	18,100	90
95	41.8	179.5	14,900*	44.5	183.1	16,300*	48.4	187.6	17,900	51.9	191.2	16,600	57.4	195.4	14,500	95
100	37.6	173.3	13,200*	40.6	177.5	14,500*	44.7	182.7	14,400	48.5	186.9	13,300	54.2	191.9	11,300	100
105	33.0	165.9	11,700*	36.3	170.9	12,400	40.8	177.1	11,300	44.8	182.0	10,200	50.9	187.9	8,400	105
110	27.6	157.0	10,200	31.5	163.1	9,500	36.5	170.6	8,500	40.9	176.4	7,500	47.4	183.4	5,800	110
115	21.0	145.3	7,400	25.8	153.5	6,900	31.7	162.9	6,000	36.6	169.9	5,000				115
120	10.7	126.3	4,700	18.5	140.6	4,400										120



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82

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

184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating

### 100 Ft. Boom, 230 Ft. Jib

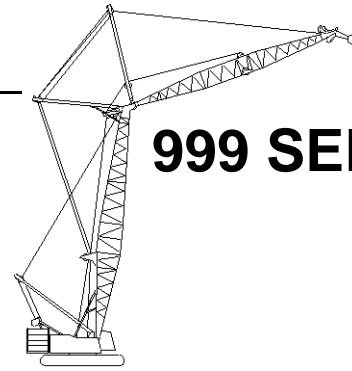
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	75.0	223.0	57,800*												45	
50	72.5	221.4	49,900*												50	
55	69.9	219.6	43,600*	71.7	220.6	47,900*									55	
60	67.3	217.6	38,400*	69.1	218.8	41,900*									60	
65	64.7	215.2	34,100*	66.5	216.6	37,100*	69.2	218.2	42,100*						65	
70	62.0	212.6	30,500*	63.9	214.2	33,000*	66.6	216.1	37,200*						70	
75	59.2	209.7	27,400*	61.1	211.5	29,600*	64.0	213.7	33,200*	66.7	215.3	35,700			75	
80	56.3	206.4	24,800*	58.3	208.4	26,600*	61.2	211.0	29,700*	64.1	212.9	30,100			80	
85	53.4	202.7	22,400*	55.4	205.0	24,100*	58.4	207.9	26,800*	61.3	210.2	25,300			85	
90	50.3	198.6	20,100*	52.4	201.3	21,800*	55.6	204.6	22,600	58.5	207.2	21,100			90	
95	47.0	194.1	18,000*	49.3	197.1	19,700*	52.6	200.8	18,700	55.6	203.8	17,400	60.5	207.2	15,100	95
100	43.6	189.0	16,200*	46.0	192.3	16,600	49.4	196.6	15,300	52.7	200.0	14,000	57.7	204.1	11,900	100
105	39.9	183.2	14,200	42.5	187.0	13,500	46.1	191.9	12,300	49.5	195.9	11,100	54.7	200.6	9,100	105
110	35.9	176.5	11,400	38.8	181.0	10,600	42.7	186.6	9,500	46.3	191.2	8,400	51.7	196.7	6,500	110
115	31.5	168.7	8,700	34.6	174.0	8,000	38.9	180.6	7,000	42.8	185.9	5,900	48.6	192.4	4,100	115
120	26.4	159.3	6,300	30.0	165.8	5,700	34.8	173.7	4,700							120
125	20.1	147.0	4,000													125

### 100 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
50	73.9	231.9	48,200*												50	
55	71.5	230.3	42,000*	73.1	231.2	46,200*									55	
60	69.2	228.4	36,900*	70.8	229.5	40,400*									60	
65	66.8	226.3	32,600*	68.4	227.5	35,500*	70.9	228.9	40,600*						65	
70	64.3	223.9	29,000*	66.0	225.3	31,500*	68.5	227.0	35,700*						70	
75	61.8	221.3	25,900*	63.6	222.9	28,000*	66.1	224.8	31,600*						75	
80	59.3	218.3	23,200*	61.0	220.1	25,100*	63.7	222.3	28,200*	66.2	224.0	30,300			80	
85	56.6	215.1	20,900*	58.5	217.1	22,500*	61.1	219.6	25,200*	63.7	221.5	25,500			85	
90	53.9	211.5	18,800*	55.8	213.8	20,200*	58.6	216.6	22,600*	61.2	218.8	21,300			90	
95	51.1	207.5	16,900*	53.1	210.1	18,200*	55.9	213.3	19,100	58.7	215.8	17,600	63.0	218.7	15,100	95
100	48.1	203.1	15,300*	50.2	206.0	16,500*	53.2	209.6	15,700	56.0	212.5	14,300	60.4	215.9	12,000	100
105	45.0	198.2	13,800*	47.2	201.4	14,000	50.3	205.5	12,600	53.3	208.8	11,300	57.8	212.8	9,100	105
110	41.8	192.8	12,000	44.1	196.4	11,100	47.3	201.0	9,900	50.4	204.8	8,700	55.2	209.3	6,600	110
115	38.3	186.6	9,400	40.7	190.7	8,600	44.2	196.0	7,400	47.4	200.3	6,200	52.4	205.6	4,300	115
120	34.4	179.6	7,000	37.1	184.3	6,200	40.9	190.3	5,100	44.3	195.2	4,000				120
125	30.2	171.4	4,800	33.2	177.0	4,100										125



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 110 Ft. Boom, 70 Ft. Jib

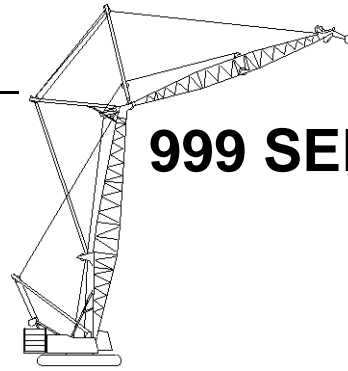
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	58.1	150.5	38,700*b																35
40	48.7	146.4	30,100*	56.0	149.4	36,500*	65.8	152.3	51,900*b										40
45	37.5	140.4	24,300*	46.3	144.9	28,700*	57.3	149.2	38,100*										45
50	21.0	130.2	19,900*	34.3	138.3	23,200*	47.8	145.0	29,700*	58.5	148.8	39,800*b							50
55							36.3	138.8	24,000*	49.2	144.7	30,800*							55
60							18.8	127.8	19,600*	38.0	138.8	24,800*	57.3	146.0	38,600*				60
65										22.1	129.0	20,300*	47.8	141.7	30,100*				65
70													36.3	135.6	24,300*	55.7	142.3	37,000*	70
75													18.8	124.6	19,800*	45.9	137.7	29,000*	75
80																33.8	131.0	23,500*	80

### 110 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	58.1	150.5	32,400*	64.6	152.6	41,300*b													35
40	48.7	146.4	25,100*	56.0	149.4	30,500*	65.8	152.3	43,700*b										40
45	37.5	140.4	20,100*	46.3	144.9	23,800*	57.3	149.2	31,900*										45
50	21.0	130.2	16,300*	34.3	138.3	19,100*	47.8	145.0	24,700*	58.5	148.8	33,300*							50
55							36.3	138.8	19,800*	49.2	144.7	25,600*							55
60							18.8	127.8	16,100*	38.0	138.8	20,400*	57.3	146.0	32,300*				60
65										22.1	129.0	16,600*	47.8	141.7	25,000*				65
70													36.3	135.6	20,000*	55.7	142.3	30,900*	70
75													18.8	124.6	16,200*	45.9	137.7	24,100*	75
80																33.8	131.0	19,300*	80



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 110 Ft. Boom, 90 Ft. Jib

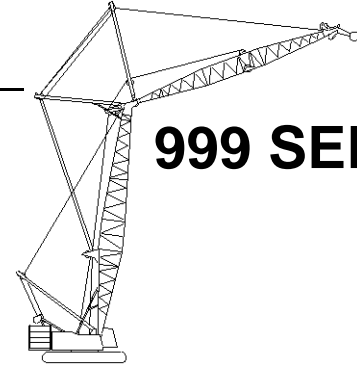
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	66.5	153.5	39,600*b																30
35	58.1	150.5	28,700*	64.6	152.6	36,600*													35
40	48.7	146.4	22,000*	56.0	149.4	26,900*	65.8	152.3	38,700*b										40
45	37.5	140.4	17,500*	46.3	144.9	20,800*	57.3	149.2	28,100*	66.9	151.7	40,900*							45
50	21.0	130.2	14,100*	34.3	138.3	16,600*	47.8	145.0	21,700*	58.5	148.8	29,400*							50
55							36.3	138.8	17,200*	49.2	144.7	22,500*							55
60							18.8	127.8	13,900*	38.0	138.8	17,800*	57.3	146.0	28,400*				60
65										22.1	129.0	14,300*	47.8	141.7	21,900*				65
70													36.3	135.6	17,400*	55.7	142.3	27,200*	70
75													18.8	124.6	14,000*	45.9	137.7	21,000*	75
80																33.8	131.0	16,800*	80

### 110 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	71.5	164.4	57,300*b																30
35	65.2	162.2	41,400*	70.1	163.6	53,000*													35
40	58.5	159.2	31,900*	63.7	161.3	38,900*	71.0	163.3	56,000*b										40
45	51.2	155.3	25,500*	56.8	158.1	30,300*	64.6	161.0	40,700*										45
50	43.0	150.3	20,900*	49.4	154.0	24,400*	57.9	157.9	31,500*	65.5	160.4	42,500*							50
55	33.1	143.3	17,400*	40.9	148.6	20,000*	50.5	154.0	25,200*	58.8	157.4	32,600*							55
60	18.4	131.7	14,600*	30.3	140.9	16,700*	42.2	148.8	20,700*	51.6	153.6	26,000*							60
65							32.0	141.6	17,200*	43.4	148.6	21,300*	57.9	154.7	31,800*				65
70							16.4	129.0	14,400*	33.6	141.8	17,700*	50.5	150.8	25,400*				70
75										19.4	130.5	14,800*	42.2	145.6	20,900*	56.6	151.0	30,600*	75
80													32.0	138.3	17,400*	49.1	146.9	24,600*	80
85													16.4	125.8	14,600*	40.5	141.4	20,300*	85
90																29.8	133.6	16,900*	90



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 110 Ft. Boom, 110 Ft. Jib

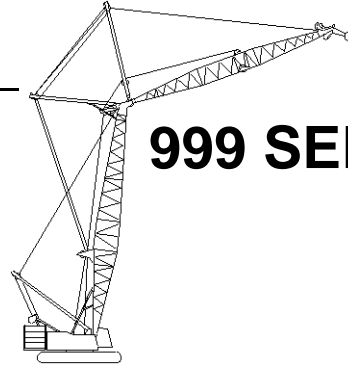
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	66.5	153.5	37,000*	72.5	154.9	50,800*b													30
35	58.1	150.5	26,900*	64.6	152.6	34,100*													35
40	48.7	146.4	20,700*	56.0	149.4	25,200*	65.8	152.3	36,000*										40
45	37.5	140.4	16,600*	46.3	144.9	19,700*	57.3	149.2	26,300*	66.9	151.7	38,000*							45
50	21.0	130.2	13,500*	34.3	138.3	15,800*	47.8	145.0	20,400*	58.5	148.8	27,500*							50
55							36.3	138.8	16,300*	49.2	144.7	21,100*							55
60							18.8	127.8	13,300*	38.0	138.8	16,900*	57.3	146.0	26,600*				60
65										22.1	129.0	13,700*	47.8	141.7	20,600*				65
70													36.3	135.6	16,500*	55.7	142.3	25,400*	70
75													18.8	124.6	13,400*	45.9	137.7	19,800*	75
80																33.8	131.0	15,900*	80

### 110 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	71.5	164.4	51,400*																30
35	65.2	162.2	37,200*	70.1	163.6	47,400*													35
40	58.5	159.2	28,600*	63.7	161.3	34,900*	71.0	163.3	50,100*										40
45	51.2	155.3	22,900*	56.8	158.1	27,100*	64.6	161.0	36,500*										45
50	43.0	150.3	18,700*	49.4	154.0	21,800*	57.9	157.9	28,200*	65.5	160.4	38,100*							50
55	33.1	143.3	15,600*	40.9	148.6	17,900*	50.5	154.0	22,600*	58.8	157.4	29,200*							55
60	18.4	131.7	13,100*	30.3	140.9	15,000*	42.2	148.8	18,500*	51.6	153.6	23,300*							60
65							32.0	141.6	15,400*	43.4	148.6	19,000*	57.9	154.7	28,400*				65
70							16.4	129.0	12,900*	33.6	141.8	15,800*	50.5	150.8	22,700*				70
75										19.4	130.5	13,300*	42.2	145.6	18,600*	56.6	151.0	27,300*	75
80													32.0	138.3	15,500*	49.1	146.9	22,000*	80
85													16.4	125.8	13,000*	40.5	141.4	18,100*	85
90																29.8	133.6	15,100*	90



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82

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

**184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating**

### 110 Ft. Boom, 130 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	74.7	175.0	59,000*																30
35	69.6	173.2	47,100*	73.6	174.3	59,000*													35
40	64.3	170.8	36,300*	68.4	172.4	44,300*													40
45	58.8	167.9	29,100*	63.1	169.9	34,500*	69.2	172.0	46,200*										45
50	52.8	164.2	23,900*	57.4	166.8	27,800*	63.8	169.6	35,800*										50
55	46.3	159.6	20,000*	51.3	162.9	22,900*	58.2	166.6	28,700*	64.6	169.0	37,000*							55
60	38.9	153.8	16,900*	44.6	158.1	19,200*	52.2	162.9	23,600*	59.0	166.1	29,600*							60
65	29.9	145.9	14,500*	37.0	151.9	16,300*	45.7	158.2	19,800*	53.1	162.5	24,300*							65
70	16.6	133.0	12,400*	27.4	143.3	14,000*	38.2	152.2	16,800*	46.6	157.9	20,300*	58.2	163.4	28,900*				70
75							29.0	144.1	14,400*	39.2	152.2	17,200*	52.2	159.6	23,800*				75
80							14.7	130.2	12,300*	30.4	144.4	14,700*	45.7	155.0	20,000*	57.2	159.7	28,000*	80
85										17.4	131.9	12,600*	38.2	149.0	17,000*	51.1	155.8	23,200*	85
90													29.0	140.8	14,500*	44.4	150.9	19,500*	90
95													14.8	127.0	12,400*	36.7	144.6	16,600*	95
100																27.0	135.9	14,200*	100

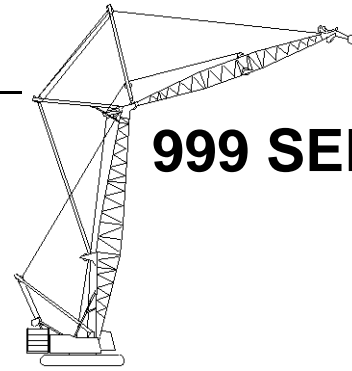
### 110 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	72.7	183.8	59,000*																35
40	68.3	181.9	47,400*	71.7	183.1	57,600*													40
45	63.7	179.5	38,000*	67.2	181.1	45,000*													45
50	58.9	176.5	31,300*	62.6	178.6	36,400*	67.9	180.7	46,600*										50
55	53.9	173.0	26,300*	57.8	175.5	30,100*	63.3	178.3	37,500*										55
60	48.5	168.7	22,300*	52.7	171.8	25,300*	58.5	175.3	31,000*	63.9	177.7	38,700*							60
65	42.5	163.5	19,200*	47.1	167.3	21,600*	53.4	171.7	26,100*	59.2	174.8	31,900*							65
70	35.7	156.9	16,600*	41.0	161.8	18,600*	48.0	167.3	22,200*	54.1	171.3	26,800*							70
75	27.5	148.2	14,500*	34.0	154.9	16,100*	42.0	162.0	19,100*	48.7	167.0	22,800*	58.5	172.1	31,300*				75
80	15.2	134.2	12,700*	25.2	145.4	14,100*	35.1	155.3	16,600*	42.8	161.8	19,600*	53.4	168.5	26,300*				80
85							26.6	146.3	14,400*	36.1	155.4	17,000*	48.0	164.1	22,500*	57.6	168.4	30,400*	85
90							13.5	131.2	12,600*	27.9	146.8	14,800*	42.0	158.8	19,300*	52.5	164.7	25,700*	90
95										16.0	133.2	12,900*	35.1	152.1	16,800*	46.9	160.1	22,000*	95
100													26.6	143.1	14,600*	40.8	154.6	18,900*	100
105													13.5	128.0	12,800*	33.7	147.6	16,500*	105
110																24.8	138.0	14,300*	110





# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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

## 110 Ft. Boom, 150 Ft. Jib

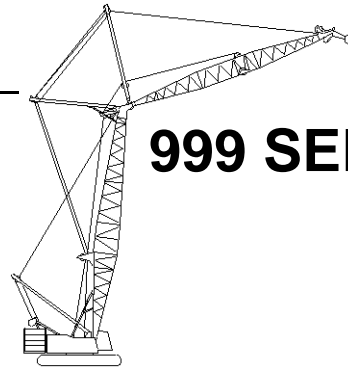
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet		
	Jib		Intermediate Fall		Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall			
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds
35	74.9	194.3	59,000*																		35	
40	71.1	192.7	57,100*																		40	
45	67.3	190.6	46,100*	70.2	191.9	54,300*															45	
50	63.2	188.1	38,100*	66.3	189.8	44,100*	70.8	191.5	56,100*												50	
55	59.1	185.2	32,200*	62.3	187.2	36,700*	66.9	189.5	45,500*												55	
60	54.7	181.8	27,500*	58.1	184.2	31,100*	62.9	186.9	37,800*	67.4	188.8	46,800*									60	
65	50.1	177.7	23,800*	53.6	180.6	26,700*	58.7	184.0	32,000*	63.4	186.3	38,800*									65	
70	45.1	172.9	20,800*	48.9	176.3	23,200*	54.3	180.5	27,400*	59.3	183.4	32,800*									70	
75	39.6	167.1	18,200*	43.8	171.3	20,200*	49.6	176.3	23,800*	54.9	180.0	28,100*	62.9	183.7	38,100*						75	
80	33.3	159.9	16,100*	38.2	165.2	17,800*	44.6	171.4	20,800*	50.3	176.0	24,300*	58.7	180.7	32,300*						80	
85	25.6	150.4	14,300*	31.6	157.7	15,700*	39.0	165.5	18,200*	45.3	171.2	21,300*	54.3	177.2	27,700*						85	
90	14.1	135.3	12,700*	23.4	147.4	13,900*	32.6	158.2	16,100*	39.8	165.4	18,700*	49.6	173.1	24,100*	57.9	177.1	22,600			90	
95							24.8	148.5	14,300*	33.6	158.3	16,500*	44.6	168.2	21,000*	53.5	173.5	19,200			95	
100							12.5	132.2	12,700*			26.0	149.0	14,600*	39.0	162.3	18,500	48.7	169.2	16,200		100
105												14.8	134.4	13,000*	32.6	155.0	15,600	43.6	164.1	13,500		105
110														24.8	145.2	12,900	37.9	158.0	11,000			110
115														12.5	129.0	10,100	31.4	150.4	8,700			115
120																	23.0	140.0	6,500			120

## 110 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet		
	Jib		Intermediate Fall		Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall			
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds
40	73.3	203.2	59,000*																		40	
45	69.9	201.5	57,800*	72.5	202.6	59,000*															45	
50	66.5	199.3	48,600*	69.1	200.7	55,700*															50	
55	62.9	196.8	41,500*	65.6	198.5	47,100*	69.6	200.3	57,600*												55	
60	59.2	193.9	35,600*	62.0	195.9	40,200*	66.1	198.2	48,500*												60	
65	55.3	190.5	30,900*	58.3	192.8	34,600*	62.6	195.6	41,300*	66.6	197.5	49,800*									65	
70	51.3	186.6	27,100*	54.4	189.3	30,100*	58.8	192.6	35,500*	63.0	195.0	42,300*									70	
75	46.9	182.0	23,900*	50.3	185.3	26,400*	55.0	189.2	30,900*	59.4	192.1	36,400*									75	
80	42.3	176.7	21,200*	45.9	180.6	23,400*	50.9	185.2	27,100*	55.5	188.7	31,700*	62.6	192.4	33,800						80	
85	37.1	170.4	18,900*	41.1	175.1	20,700*	46.5	180.6	24,000*	51.4	184.8	27,800*	58.8	189.4	29,300						85	
90	31.2	162.6	16,900*	35.8	168.4	18,500*	41.8	175.2	21,300*	47.1	180.3	24,500*	55.0	186.0	25,400						90	
95	24.0	152.5	15,100*	29.7	160.2	16,500*	36.6	168.8	19,000*	42.5	175.1	21,800*	50.9	182.0	21,900						95	
100	13.2	136.3	13,600*	22.0	149.3	14,800*	30.6	160.9	16,900*	37.4	168.8	19,400*	46.5	177.4	18,700	54.2	182.2	16,200			100	
105							23.2	150.4	15,200*	31.5	161.1	17,300*	41.8	172.0	15,900	50.1	178.2	13,500			105	
110							11.7	133.1	13,700*			24.4	151.1	15,500	36.6	165.6	13,400	45.7	173.4	11,100		110
115												13.9	135.5	12,800	30.6	157.7	11,000	40.9	167.9	8,900		115
120														23.2	147.2	8,800	35.6	161.2	6,900			120
125														11.7	129.9	6,500	29.4	152.9	5,000			125



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82

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

184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating

### 110 Ft. Boom, 170 Ft. Jib

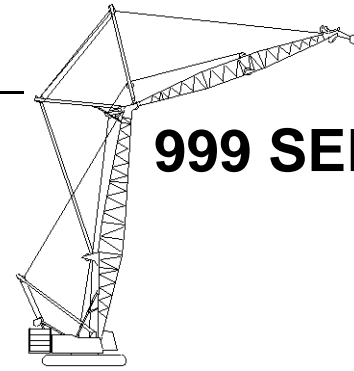
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet		
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall				
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds
35	74.9	194.3	59,000*																35		
40	71.1	192.7	52,800*																40		
45	67.3	190.6	42,600*	70.2	191.9	50,100*													45		
50	63.2	188.1	35,200*	66.3	189.8	40,800*	70.8	191.5	51,800*										50		
55	59.1	185.2	29,700*	62.3	187.2	33,900*	66.9	189.5	42,000*										55		
60	54.7	181.8	25,400*	58.1	184.2	28,700*	62.9	186.9	34,900*	67.4	188.8	43,300*							60		
65	50.1	177.7	22,000*	53.6	180.6	24,700*	58.7	184.0	29,600*	63.4	186.3	35,900*							65		
70	45.1	172.9	19,100*	48.9	176.3	21,400*	54.3	180.5	25,300*	59.3	183.4	30,300*							70		
75	39.6	167.1	16,800*	43.8	171.3	18,600*	49.6	176.3	21,900*	54.9	180.0	26,000*	62.9	183.7	34,500				75		
80	33.3	159.9	14,800*	38.2	165.2	16,400*	44.6	171.4	19,100*	50.3	176.0	22,500*	58.7	180.7	29,100				80		
85	25.6	150.4	13,100*	31.6	157.7	14,500*	39.0	165.5	16,800*	45.3	171.2	19,600*	54.3	177.2	24,400				85		
90	14.1	135.3	11,700*	23.4	147.4	12,800*	32.6	158.2	14,800*	39.8	165.4	17,200*	49.6	173.1	20,300	57.9	177.1	18,200	90		
95							24.8	148.5	13,100*	33.6	158.3	15,200*	44.6	168.2	16,600	53.5	173.5	14,700	95		
100							12.5	132.2	11,700*			26.0	149.0	13,400*	39.0	162.3	13,300	48.7	169.2	11,500	100
105												14.8	134.4	11,600	32.6	155.0	10,300	43.6	164.1	8,700	105
110															24.8	145.2	7,600	37.9	158.0	6,100	110
115															12.5	129.0	4,700				115

### 110 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet					
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall							
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds			
40	73.3	203.2	59,000*																40		
45	69.9	201.5	54,000*	72.5	202.6	59,000*													45		
50	66.5	199.3	44,900*	69.1	200.7	51,700*													50		
55	62.9	196.8	38,000*	65.6	198.5	43,300*	69.6	200.3	53,300*										55		
60	59.2	193.9	32,600*	62.0	195.9	36,800*	66.1	198.2	44,500*										60		
65	55.3	190.5	28,300*	58.3	192.8	31,700*	62.6	195.6	37,800*	66.6	197.5	45,600*							65		
70	51.3	186.6	24,700*	54.4	189.3	27,500*	58.8	192.6	32,500*	63.0	195.0	38,700*							70		
75	46.9	182.0	21,800*	50.3	185.3	24,100*	55.0	189.2	28,300*	59.4	192.1	33,300*							75		
80	42.3	176.7	19,300*	45.9	180.6	21,300*	50.9	185.2	24,800*	55.5	188.7	29,000*	62.6	192.4	29,400				80		
85	37.1	170.4	17,100*	41.1	175.1	18,900*	46.5	180.6	21,900*	51.4	184.8	25,400*	58.8	189.4	24,800				85		
90	31.2	162.6	15,300*	35.8	168.4	16,800*	41.8	175.2	19,400*	47.1	180.3	22,400*	55.0	186.0	20,700				90		
95	24.0	152.5	13,700*	29.7	160.2	15,000*	36.6	168.8	17,300*	42.5	175.1	19,500	50.9	182.0	17,200				95		
100	13.2	136.3	12,400*	22.0	149.3	13,500*	30.6	160.9	15,400*	37.4	168.8	16,100	46.5	177.4	14,000				100		
105									23.2	150.4	13,800*	31.5	161.1	13,000	41.8	172.0	11,100				105
110									11.7	133.1	10,900	24.4	151.1	10,200	36.6	165.6	8,400				110
115												13.9	135.5	7,400	30.6	157.7	6,000				115



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 110 Ft. Boom, 190 Ft. Jib

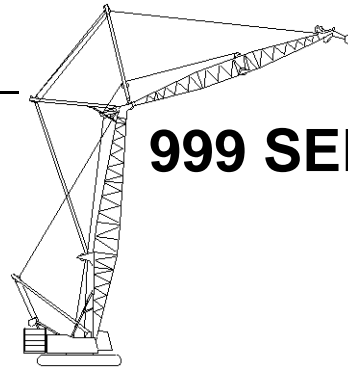
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.9	194.3	59,000*													35
40	71.1	192.7	48,900*													40
45	67.3	190.6	39,400*	70.2	191.9	46,400*										45
50	63.2	188.1	32,600*	66.3	189.8	37,700*	70.8	191.5	48,000*							50
55	59.1	185.2	27,500*	62.3	187.2	31,400*	66.9	189.5	39,000*							55
60	54.7	181.8	23,500*	58.1	184.2	26,600*	62.9	186.9	32,400*	67.4	188.8	40,100*				60
65	50.1	177.7	20,300*	53.6	180.6	22,800*	58.7	184.0	27,300*	63.4	186.3	33,300*				65
70	45.1	172.9	17,600*	48.9	176.3	19,700*	54.3	180.5	23,400*	59.3	183.4	28,100*				70
75	39.6	167.1	15,400*	43.8	171.3	17,200*	49.6	176.3	20,300*	54.9	180.0	24,000*	62.9	183.7	30,300	75
80	33.3	159.9	13,600*	38.2	165.2	15,100*	44.6	171.4	17,700*	50.3	176.0	20,800*	58.7	180.7	24,700	80
85	25.6	150.4	12,000*	31.6	157.7	13,300*	39.0	165.5	15,500*	45.3	171.2	18,100*	54.3	177.2	19,900	85
90	14.1	135.3	10,700*	23.4	147.4	11,800*	32.6	158.2	13,600*	39.8	165.4	15,900*	49.6	173.1	15,600	90
95							24.8	148.5	12,100*	33.6	158.3	13,200	44.6	168.2	11,800	95
100							12.5	132.2	9,900	26.0	149.0	9,600	39.0	162.3	8,400	100
105										14.8	134.4	6,100	32.6	155.0	5,300	105

### 110 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.3	203.2	59,000*													40
45	69.9	201.5	49,800*	72.5	202.6	58,300*										45
50	66.5	199.3	41,300*	69.1	200.7	47,700*										50
55	62.9	196.8	35,000*	65.6	198.5	39,800*	69.6	200.3	49,100*							55
60	59.2	193.9	30,000*	62.0	195.9	33,800*	66.1	198.2	41,000*							60
65	55.3	190.5	26,000*	58.3	192.8	29,100*	62.6	195.6	34,800*	66.6	197.5	42,000*				65
70	51.3	186.6	22,700*	54.4	189.3	25,300*	58.8	192.6	29,900*	63.0	195.0	35,700*				70
75	46.9	182.0	20,000*	50.3	185.3	22,200*	55.0	189.2	26,000*	59.4	192.1	30,700*				75
80	42.3	176.7	17,700*	45.9	180.6	19,500*	50.9	185.2	22,800*	55.5	188.7	26,600*	62.6	192.4	25,300	80
85	37.1	170.4	15,700*	41.1	175.1	17,300*	46.5	180.6	20,100*	51.4	184.8	22,700	58.8	189.4	20,600	85
90	31.2	162.6	14,000*	35.8	168.4	15,400*	41.8	175.2	17,800*	47.1	180.3	18,400	55.0	186.0	16,400	90
95	24.0	152.5	12,500*	29.7	160.2	13,700*	36.6	168.8	15,600	42.5	175.1	14,600	50.9	182.0	12,700	95
100	13.2	136.3	11,300*	22.0	149.3	12,300*	30.6	160.9	12,100	37.4	168.8	11,100	46.5	177.4	9,400	100
105							23.2	150.4	8,800	31.5	161.1	8,000	41.8	172.0	6,500	105
110							11.7	133.1	5,500	24.4	151.1	5,100				110



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 110 Ft. Boom, 210 Ft. Jib

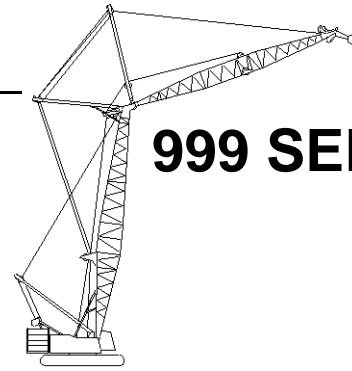
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	75.1	213.7	59,000*												40	
45	72.0	212.1	55,600*												45	
50	69.0	210.2	47,800*	71.3	211.4	53,600*									50	
55	65.8	208.0	40,900*	68.2	209.5	46,300*									55	
60	62.6	205.5	35,200*	65.1	207.2	39,600*	68.7	209.1	47,200*						60	
65	59.3	202.5	30,600*	61.8	204.5	34,300*	65.5	206.8	40,700*						65	
70	55.8	199.2	26,900*	58.5	201.5	29,900*	62.3	204.3	35,200*	66.0	206.2	40,600			70	
75	52.2	195.4	23,800*	55.0	198.1	26,300*	59.0	201.3	30,700*	62.7	203.7	34,100			75	
80	48.4	191.1	21,100*	51.3	194.2	23,300*	55.5	197.9	27,000*	59.4	200.8	28,500			80	
85	44.3	186.1	18,800*	47.5	189.7	20,700*	51.9	194.1	23,900*	56.0	197.5	23,700	62.3	201.0	21,200	85
90	39.9	180.3	16,800*	43.3	184.5	18,500*	48.0	189.7	20,800	52.4	193.7	19,400	59.0	198.1	17,100	90
95	35.1	173.5	15,100*	38.9	178.6	16,600*	44.0	184.7	16,900	48.6	189.4	15,600	55.5	194.7	13,500	95
100	29.5	165.2	13,600*	33.9	171.4	14,600	39.5	178.8	13,400	44.5	184.4	12,200	51.9	190.9	10,200	100
105	22.7	154.4	12,000	28.1	162.7	11,300	34.6	171.9	10,300	40.1	178.7	9,200	48.0	186.5	7,300	105
110	12.4	137.3	8,700	20.7	151.0	8,300	29.0	163.4	7,400	35.3	171.9	6,400	44.0	181.4	4,700	110
115							21.9	152.3	4,800							115

### 110 Ft. Boom, 220 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	73.7	222.6	54,000*												45	
50	71.0	220.9	46,200*	73.1	222.0	52,100*									50	
55	68.2	219.0	40,100*	70.3	220.2	44,700*									55	
60	65.3	216.7	35,100*	67.5	218.2	38,800*	70.7	219.8	45,700*						60	
65	62.4	214.1	30,900*	64.6	215.8	34,100*	67.9	217.8	39,600*						65	
70	59.3	211.2	27,500*	61.7	213.2	30,100*	65.0	215.5	34,700*						70	
75	56.2	207.9	24,500*	58.6	210.2	26,800*	62.1	212.9	30,700*	65.4	214.9	34,500			75	
80	52.9	204.2	21,500*	55.5	206.8	23,900*	59.1	210.0	27,200*	62.5	212.3	28,900			80	
85	49.5	200.0	19,000*	52.2	203.0	21,100*	55.9	206.6	24,300*	59.5	209.4	24,100			85	
90	45.9	195.3	16,800*	48.7	198.7	18,700*	52.7	202.9	21,500	56.3	206.2	19,900	62.1	209.7	17,300	90
95	42.1	189.9	14,900*	45.1	193.8	16,500*	49.2	198.7	17,600	53.1	202.5	16,200	59.1	206.7	13,700	95
100	38.0	183.7	13,200*	41.2	188.3	14,700*	45.6	193.9	14,200	49.7	198.3	12,800	55.9	203.4	10,600	100
105	33.3	176.5	11,800*	36.9	181.9	12,400	41.8	188.5	11,100	46.1	193.6	9,900	52.7	199.7	7,700	105
110	28.0	167.7	10,200	32.2	174.3	9,500	37.6	182.2	8,300	42.3	188.3	7,100	49.2	195.5	5,100	110
115	21.5	156.3	7,500	26.7	165.0	6,800	32.9	174.8	5,800	38.2	182.1	4,700				115
120	11.8	138.3	4,800	19.7	152.7	4,400										120



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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

## 110 Ft. Boom, 230 Ft. Jib

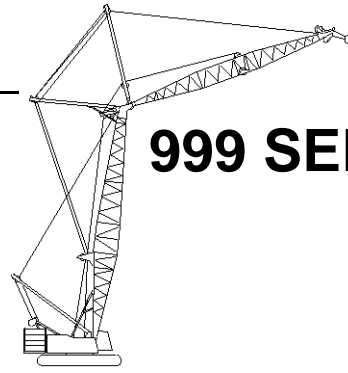
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	75.1	233.1	58,400*										45
50	72.6	231.5	50,500*										50
55	70.1	229.7	44,100*	72.0	230.9	48,900*							55
60	67.5	227.7	38,800*	69.5	229.0	42,800*							60
65	64.9	225.4	34,500*	66.9	226.9	37,800*	69.9	228.6	43,600*				65
70	62.2	222.8	30,800*	64.2	224.5	33,600*	67.3	226.6	38,500*				70
75	59.4	219.9	27,700*	61.5	221.8	30,100*	64.6	224.2	34,200*	67.6	225.9	35,000	75
80	56.5	216.6	25,000*	58.7	218.9	27,100*	61.9	221.6	30,600*	65.0	223.6	29,500	80
85	53.6	213.0	22,600*	55.8	215.5	24,500*	59.1	218.6	26,600	62.3	221.0	24,800	85
90	50.5	208.9	20,200*	52.9	211.8	22,100*	56.3	215.4	22,300	59.5	218.1	20,600	90
95	47.3	204.4	18,100*	49.7	207.6	19,900*	53.3	211.7	18,500	56.7	214.9	16,900	95
100	43.8	199.3	16,200*	46.5	203.0	16,500	50.2	207.6	15,100	53.7	211.2	13,600	100
105	40.2	193.6	14,300	43.0	197.8	13,400	47.0	203.0	12,000	50.6	207.2	10,600	105
110	36.2	187.0	11,400	39.3	191.8	10,600	43.5	197.9	9,300	47.4	202.7	8,000	110
115	31.8	179.3	8,800	35.2	185.0	8,000	39.9	192.1	6,800	44.0	197.7	5,500	115
120	26.8	170.0	6,300	30.7	177.0	5,600	35.9	185.4	4,500				120
125	20.6	158.0	4,100										125

## 110 Ft. Boom, 240 Ft. 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 Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
50	74.0	242.0	48,700*										50
55	71.7	240.4	42,400*	73.5	241.4	47,200*							55
60	69.3	238.5	37,300*	71.1	239.7	41,200*							60
65	66.9	236.4	32,900*	68.8	237.8	36,200*							65
70	64.5	234.1	29,300*	66.4	235.6	32,100*	69.1	237.4	36,900*				70
75	62.0	231.4	26,200*	63.9	233.2	28,500*	66.7	235.3	32,600*				75
80	59.4	228.5	23,400*	61.4	230.5	25,500*	64.3	232.9	29,100*	67.0	234.6	29,600	80
85	56.8	225.3	21,100*	58.8	227.5	22,900*	61.8	230.2	26,000*	64.6	232.3	24,900	85
90	54.1	221.7	19,000*	56.2	224.2	20,600*	59.2	227.3	22,600	62.1	229.7	20,700	90
95	51.3	217.8	17,100*	53.4	220.6	18,500*	56.6	224.1	18,800	59.6	226.8	17,100	95
100	48.3	213.4	15,400*	50.6	216.5	16,700*	53.8	220.5	15,400	56.9	223.5	13,800	100
105	45.3	208.6	13,900*	47.6	212.1	13,900	51.0	216.5	12,400	54.2	220.0	10,900	105
110	42.0	203.2	12,000	44.5	207.1	11,100	48.1	212.1	9,700	51.4	216.1	8,200	110
115	38.5	197.1	9,400	41.2	201.5	8,500	45.0	207.2	7,200	48.5	211.7	5,800	115
120	34.7	190.1	7,000	37.7	195.2	6,200	41.7	201.7	4,900				120
125	30.5	182.0	4,800	33.8	188.0	4,000							125



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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, 70 Ft. Jib

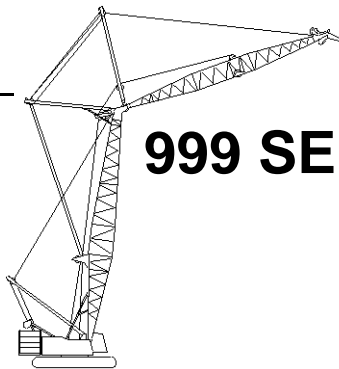
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	58.7	160.7	39,700* <sup>b</sup>																35
40	49.4	156.7	30,700*	57.3	159.9	38,100* <sup>b</sup>													40
45	38.3	150.9	24,700*	47.7	155.6	29,700*	59.4	160.0	41,100* <sup>b</sup>										45
50	22.6	141.2	20,200*	36.2	149.4	24,000*	50.2	156.1	31,600*										50
55				18.6	138.3	19,600*	39.4	150.5	25,300*	52.6	156.1	33,700*							55
60							24.3	141.4	20,700*	42.2	151.0	26,800*							60
65										28.7	143.1	21,800*	52.9	153.8	34,300*				65
70													42.6	148.7	27,200*				70
75													29.3	141.0	22,200*	52.7	150.4	34,500*	75
80																42.4	145.3	27,300*	80
85																29.0	137.5	22,200*	85

### 120 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	58.7	160.7	33,200*																35
40	49.4	156.7	25,600*	57.3	159.9	31,900*													40
45	38.3	150.9	20,400*	47.7	155.6	24,700*	59.4	160.0	34,400*										45
50	22.6	141.2	16,600*	36.2	149.4	19,800*	50.2	156.1	26,300*	61.5	159.7	37,300*							50
55				18.6	138.3	16,100*	39.4	150.5	20,900*	52.6	156.1	28,100*							55
60							24.3	141.4	17,000*	42.2	151.0	22,200*	61.8	157.4	38,100*				60
65										28.7	143.1	17,900*	52.9	153.8	28,600*				65
70													42.6	148.7	22,500*				70
75													29.3	141.0	18,200*	52.7	150.4	28,700*	75
80																42.4	145.3	22,600*	80
85																29.0	137.5	18,200*	85



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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, 90 Ft. Jib

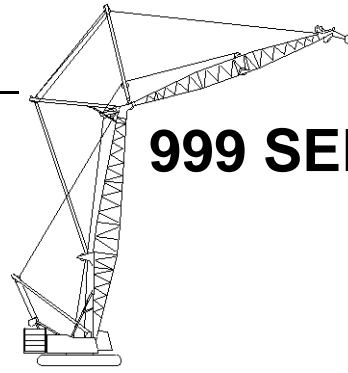
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	58.7	160.7	29,400*	65.7	162.9	38,700*b													35
40	49.4	156.7	22,400*	57.3	159.9	28,100*													40
45	38.3	150.9	17,800*	47.7	155.6	21,600*	59.4	160.0	30,400*										45
50	22.6	141.2	14,300*	36.2	149.4	17,200*	50.2	156.1	23,100*	61.5	159.7	32,900*							50
55				18.6	138.3	13,900*	39.4	150.5	18,300*	52.6	156.1	24,700*							55
60							24.3	141.4	14,700*	42.2	151.0	19,300*	61.8	157.4	33,600*				60
65										28.7	143.1	15,500*	52.9	153.8	25,100*				65
70													42.6	148.7	19,600*				70
75													29.3	141.0	15,800*	52.7	150.4	25,200*	75
80																42.4	145.3	19,700*	80
85																29.0	137.5	15,800*	85

### 120 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	65.7	172.3	42,500*	70.9	173.9	56,100*b													35
40	59.0	169.4	32,600*	64.6	171.6	40,700*													40
45	51.7	165.6	26,000*	57.8	168.6	31,400*	66.2	171.5	44,100*										45
50	43.6	160.7	21,200*	50.5	164.6	25,200*	59.6	168.7	33,600*	67.7	171.0	47,700*							50
55	33.8	153.9	17,700*	42.1	159.4	20,600*	52.4	165.0	26,700*	61.2	168.4	35,800*							55
60	19.8	142.8	14,800*	32.0	152.2	17,200*	44.3	160.1	21,700*	54.2	164.9	28,200*							60
65				16.3	139.6	14,400*	34.8	153.5	18,100*	46.4	160.4	22,900*	61.4	166.0	36,500*				65
70							21.4	143.1	15,100*	37.3	154.3	18,900*	54.4	162.6	28,700*				70
75										25.3	145.2	15,800*	46.7	158.1	23,200*				75
80													37.6	152.1	19,200*	54.3	159.2	28,700*	80
85													25.8	143.1	16,100*	46.5	154.7	23,300*	85
90																37.5	148.6	19,300*	90
95																25.6	139.6	16,100*	95



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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, 110 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	67.1	163.7	38,000*																30
35	58.7	160.7	27,500*	65.7	162.9	36,000*													35
40	49.4	156.7	21,100*	57.3	159.9	26,300*	67.7	162.8	39,700*										40
45	38.3	150.9	16,900*	47.7	155.6	20,400*	59.4	160.0	28,400*										45
50	22.6	141.2	13,700*	36.2	149.4	16,300*	50.2	156.1	21,700*	61.5	159.7	30,600*							50
55				18.6	138.3	13,300*	39.4	150.5	17,300*	52.6	156.1	23,100*							55
60							24.3	141.4	14,000*	42.2	151.0	18,300*	61.8	157.4	31,200*				60
65										28.7	143.1	14,800*	52.9	153.8	23,500*				65
70													42.6	148.7	18,500*				70
75													29.3	141.0	15,000*	52.7	150.4	23,500*	75
80																42.4	145.3	18,500*	80
85																29.0	137.5	15,000*	85

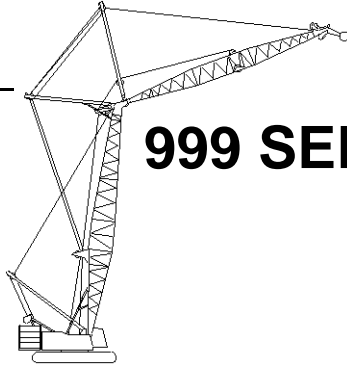
### 120 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	72.0	174.5	53,000*																30
35	65.7	172.3	38,100*	70.9	173.9	50,100*													35
40	59.0	169.4	29,200*	64.6	171.6	36,500*													40
45	51.7	165.6	23,200*	57.8	168.6	28,100*	66.2	171.5	39,400*										45
50	43.6	160.7	19,000*	50.5	164.6	22,500*	59.6	168.7	30,000*	67.7	171.0	42,500*							50
55	33.8	153.9	15,800*	42.1	159.4	18,500*	52.4	165.0	23,800*	61.2	168.4	32,000*							55
60	19.8	142.8	13,200*	32.0	152.2	15,400*	44.3	160.1	19,400*	54.2	164.9	25,200*							60
65				16.3	139.6	12,900*	34.8	153.5	16,100*	46.4	160.4	20,400*	61.4	166.0	32,500*				65
70							21.4	143.1	13,500*	37.3	154.3	16,900*	54.4	162.6	25,600*				70
75										25.3	145.2	14,100*	46.7	158.1	20,700*				75
80													37.6	152.1	17,100*	54.3	159.2	25,600*	80
85													25.8	143.1	14,300*	46.5	154.7	20,800*	85
90																37.5	148.6	17,200*	90
95																25.6	139.6	14,400*	95





# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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, 130 Ft. Jib

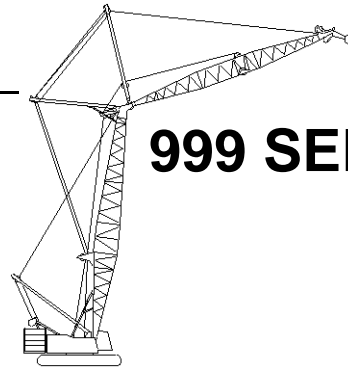
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	75.1	185.1	59,000*																30
35	70.0	183.3	48,300*																35
40	64.7	181.0	37,000*	69.1	182.7	46,200*													40
45	59.2	178.1	29,600*	63.8	180.3	35,700*	70.4	182.4	49,900*										45
50	53.2	174.5	24,200*	58.2	177.3	28,700*	65.2	180.2	38,100*										50
55	46.8	170.0	20,200*	52.2	173.5	23,600*	59.6	177.3	30,300*	66.4	179.7	40,600*							55
60	39.4	164.2	17,100*	45.6	168.8	19,700*	53.7	173.8	24,800*	61.0	177.0	32,100*							60
65	30.6	156.5	14,600*	38.1	162.8	16,700*	47.3	169.4	20,700*	55.2	173.7	26,100*							65
70	17.9	144.3	12,600*	28.9	154.7	14,300*	40.1	163.8	17,500*	48.9	169.5	21,700*	61.2	174.7	32,500*				70
75				14.6	140.7	12,300*	31.4	156.3	14,900*	41.9	164.2	18,300*	55.4	171.3	26,400*				75
80							19.3	144.7	12,800*	33.7	157.2	15,600*	49.2	167.2	21,900*				80
85										22.8	147.1	13,300*	42.2	161.9	18,500*	55.3	168.0	26,500*	85
90													34.0	155.1	15,800*	49.1	163.8	22,000*	90
95													23.3	145.1	13,500*	42.1	158.5	18,600*	95
100																33.9	151.6	15,800*	100
105																23.1	141.6	13,600*	105

### 120 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	73.0	193.9	59,000*																35
40	68.6	192.0	48,400*	72.3	193.4	59,000*													40
45	64.0	189.7	38,700*	67.9	191.4	46,600*													45
50	59.3	186.8	31,800*	63.3	188.9	37,500*	69.0	191.2	49,700*										50
55	54.3	183.3	26,600*	58.5	185.9	30,900*	64.4	188.9	39,700*										55
60	48.9	179.0	22,600*	53.4	182.3	26,000*	59.7	186.0	32,600*	65.5	188.4	41,900*							60
65	43.0	173.9	19,400*	47.9	178.0	22,100*	54.7	182.6	27,200*	60.8	185.7	34,200*							65
70	36.3	167.5	16,800*	41.9	172.6	19,000*	49.3	178.4	23,100*	55.9	182.4	28,500*							70
75	28.1	158.9	14,600*	35.0	165.9	16,500*	43.5	173.3	19,800*	50.7	178.4	24,100*	61.0	183.3	34,600*				75
80	16.4	145.6	12,800*	26.6	156.9	14,300*	36.9	167.0	17,200*	44.9	173.6	20,700*	56.1	180.1	28,900*				80
85				13.4	141.7	12,600*	28.9	158.8	14,900*	38.5	167.6	17,900*	50.9	176.1	24,500*				85
90							17.7	146.1	13,000*	31.0	159.9	15,500*	45.2	171.3	20,900*	56.0	176.7	20,900	90
95										20.9	148.8	13,500*	38.8	165.4	18,100*	50.8	172.7	17,500	95
100													31.3	157.8	15,700*	45.1	167.9	14,400	100
105													21.4	146.9	13,500	38.7	162.0	11,700	105
110																31.2	154.3	9,100	110
115																21.2	143.3	6,700	115



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82

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

184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating

### 120 Ft. Boom, 150 Ft. Jib

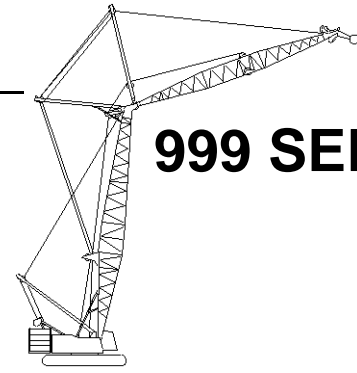
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		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	58,300*																40
45	67.5	200.8	46,900*	70.8	202.2	56,200*													45
50	63.5	198.3	38,700*	66.9	200.1	45,500*													50
55	59.4	195.4	32,600*	62.9	197.6	37,700*	67.9	199.9	48,000*										55
60	55.0	192.0	27,900*	58.7	194.6	31,900*	63.9	197.5	39,600*										60
65	50.4	188.0	24,100*	54.3	191.1	27,300*	59.7	194.7	33,400*	64.8	197.1	41,500*							65
70	45.4	183.2	21,000*	49.6	187.0	23,600*	55.4	191.3	28,500*	60.7	194.4	34,900*							70
75	40.0	177.5	18,400*	44.6	182.1	20,600*	50.8	187.3	24,600*	56.4	191.1	29,700*							75
80	33.7	170.4	16,200*	39.0	176.1	18,100*	45.9	182.6	21,500*	51.9	187.3	25,600*	60.9	192.0	32,900				80
85	26.2	161.2	14,400*	32.6	168.8	16,000*	40.4	177.0	18,800*	47.1	182.8	22,300*	56.6	188.8	28,400				85
90	15.2	146.8	12,800*	24.7	159.0	14,200*	34.3	170.1	16,600*	41.8	177.4	19,500*	52.1	185.0	24,500				90
95				12.4	142.7	12,600*	26.9	161.1	14,700*	35.9	170.8	17,200*	47.3	180.5	21,000	56.5	185.4	18,200	95
100							16.4	147.4	13,100*	28.8	162.5	15,200*	42.0	175.2	17,800	52.0	181.6	15,300	100
105										19.5	150.4	13,500*	36.1	168.6	15,000	47.2	177.1	12,600	105
110													29.1	160.3	12,300	41.9	171.7	10,200	110
115													19.9	148.5	9,900	36.0	165.2	8,000	115
120																29.0	156.9	5,900	120

### 120 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		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	58,600*	73.0	212.8	59,000*													45
50	66.7	209.5	49,200*	69.6	211.0	57,200*													50
55	63.1	207.0	42,100*	66.1	208.8	48,200*	70.5	210.7	59,000*										55
60	59.4	204.1	36,100*	62.5	206.2	41,100*	67.0	208.6	50,600*										60
65	55.6	200.7	31,300*	58.8	203.3	35,400*	63.4	206.2	43,000*	67.8	208.1	53,100*							65
70	51.5	196.9	27,400*	54.9	199.8	30,700*	59.8	203.3	36,900*	64.3	205.8	44,900*							70
75	47.2	192.4	24,100*	50.9	195.9	26,900*	55.9	200.0	32,000*	60.7	203.0	38,400*							75
80	42.6	187.1	21,300*	46.5	191.3	23,800*	51.9	196.2	28,000*	56.9	199.8	33,300*							80
85	37.5	180.9	19,000*	41.8	185.9	21,100*	47.6	191.7	24,700*	52.9	196.1	29,100*	60.8	200.7	28,400				85
90	31.7	173.2	17,000*	36.6	179.4	18,800*	43.0	186.6	21,900*	48.7	191.8	25,600*	57.0	197.5	24,500				90
95	24.6	163.3	15,200*	30.6	171.5	16,800*	38.0	180.4	19,500*	44.2	186.8	22,700*	53.0	193.8	21,100				95
100	14.2	147.9	13,700*	23.2	161.0	15,000*	32.2	172.9	17,400*	39.2	180.9	20,200*	48.8	189.5	18,000	56.9	194.1	15,200	100
105				11.6	143.6	13,600*	25.2	163.3	15,600*	33.7	173.8	17,900	44.3	184.6	15,200	53.0	190.4	12,600	105
110							15.4	148.7	14,000*	27.1	164.8	15,100	39.4	178.7	12,700	48.8	186.1	10,200	110
115										18.2	152.0	12,600	33.9	171.6	10,400	44.3	181.2	8,100	115
120													27.3	162.7	8,300	39.3	175.3	6,100	120
125													18.6	150.1	6,200	33.8	168.2	4,300	125



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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, 170 Ft. Jib

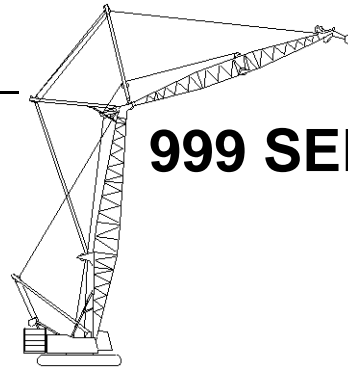
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		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*	60.9	192.0	28,400	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*	56.6	188.8	23,800	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*	52.1	185.0	19,700	90
95				12.4	142.7	11,600*	26.9	161.1	13,500*	35.9	170.8	15,900*	47.3	180.5	16,100	95
100							16.4	147.4	12,000*	28.8	162.5	14,000*	42.0	175.2	12,800	100
105										19.5	150.4	11,500	36.1	168.6	9,900	105
110													29.1	160.3	7,200	110
115													19.9	148.5	4,600	115

## 120 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		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*	60.8	200.7	24,000	85
90	31.7	173.2	15,400*	36.6	179.4	17,100*	43.0	186.6	20,000*	48.7	191.8	22,800	57.0	197.5	20,000	90
95	24.6	163.3	13,800*	30.6	171.5	15,200*	38.0	180.4	17,800*	44.2	186.8	19,100	53.0	193.8	16,500	95
100	14.2	147.9	12,400*	23.2	161.0	13,600*	32.2	172.9	15,800*	39.2	180.9	15,700	48.8	189.5	13,300	100
105				11.6	143.6	12,300*	25.2	163.3	13,900	33.7	173.8	12,700	44.3	184.6	10,500	105
110							15.4	148.7	10,900	27.1	164.8	9,900	39.4	178.7	7,900	110
115										18.2	152.0	7,300	33.9	171.6	5,500	115



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82

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

184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating

### 120 Ft. Boom, 190 Ft. Jib

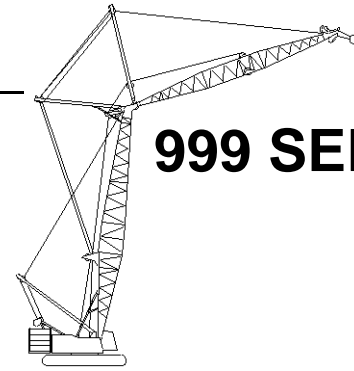
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		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*	60.9	192.0	24,200	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*	56.6	188.8	19,400	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*	52.1	185.0	15,200	90
95				12.4	142.7	10,700*	26.9	161.1	12,400*	35.9	170.8	13,000	47.3	180.5	11,400	95
100							16.4	147.4	10,000	28.8	162.5	9,400	42.0	175.2	8,100	100
105										19.5	150.4	6,100	36.1	168.6	5,000	105

### 120 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		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	27,200				80
85	37.5	180.9	15,800*	41.8	185.9	17,600*	47.6	191.7	20,700*	52.9	196.1	22,400	60.8	200.7	19,900	85
90	31.7	173.2	14,100*	36.6	179.4	15,600*	43.0	186.6	18,300*	48.7	191.8	18,100	57.0	197.5	15,800	90
95	24.6	163.3	12,600*	30.6	171.5	13,900*	38.0	180.4	15,400	44.2	186.8	14,200	53.0	193.8	12,200	95
100	14.2	147.9	11,300*	23.2	161.0	12,500*	32.2	172.9	11,900	39.2	180.9	10,800	48.8	189.5	8,900	100
105				11.6	143.6	9,200	25.2	163.3	8,700	33.7	173.8	7,700	44.3	184.6	6,000	105
110							15.4	148.7	5,600	27.1	164.8	4,900				110



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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. Jib

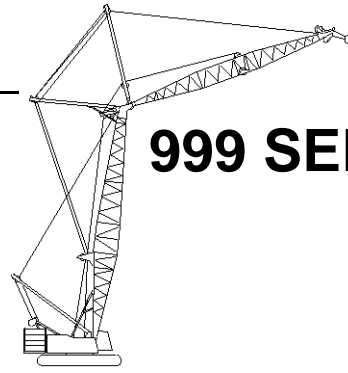
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		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	40,000				70
75	52.5	205.7	23,900*	55.5	208.6	26,700*	59.8	212.0	31,800*	63.9	214.4	33,600				75
80	48.7	201.4	21,200*	51.8	204.7	23,700*	56.3	208.7	27,900*	60.6	211.7	28,000				80
85	44.6	196.5	18,900*	48.0	200.3	21,000*	52.8	205.0	24,600*	57.2	208.5	23,200				85
90	40.3	190.8	16,900*	43.9	195.3	18,700*	49.0	200.8	20,500	53.6	204.9	19,000	60.7	209.3	16,400	90
95	35.4	184.0	15,100*	39.5	189.4	16,800*	45.0	195.9	16,700	49.9	200.8	15,300	57.3	206.2	12,900	95
100	29.9	175.9	13,600*	34.6	182.5	14,500	40.6	190.2	13,200	46.0	196.1	11,900	53.8	202.6	9,700	100
105	23.2	165.3	12,000	28.9	174.0	11,300	35.9	183.6	10,100	41.7	190.6	8,900	50.0	198.5	6,800	105
110	13.4	149.0	8,800	21.9	162.9	8,300	30.4	175.6	7,300	37.1	184.3	6,200	46.1	193.8	4,200	110
115				10.9	144.5	5,300	23.8	165.3	4,600							115

## 120 Ft. Boom, 220 Ft. 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 Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	73.9	232.7	54,800*										45
50	71.2	231.1	46,800*	73.5	232.2	53,400*							50
55	68.4	229.1	40,600*	70.7	230.5	45,800*							55
60	65.5	226.9	35,500*	67.9	228.5	39,700*							60
65	62.6	224.3	31,300*	65.0	226.2	34,800*	68.6	228.3	41,100*				65
70	59.5	221.4	27,800*	62.1	223.6	30,700*	65.7	226.0	35,900*				70
75	56.4	218.1	24,700*	59.0	220.6	27,300*	62.8	223.5	31,700*	66.4	225.6	33,900	75
80	53.2	214.5	21,700*	55.9	217.3	24,300*	59.8	220.7	28,100*	63.5	223.1	28,400	80
85	49.8	210.3	19,100*	52.6	213.5	21,400*	56.7	217.4	25,100*	60.5	220.3	23,600	85
90	46.2	205.7	16,900*	49.2	209.3	18,900*	53.5	213.8	21,200	57.4	217.2	19,400	90
95	42.4	200.3	15,000*	45.6	204.5	16,800*	50.1	209.7	17,400	54.2	213.6	15,700	95
100	38.3	194.2	13,300*	41.7	199.1	14,900*	46.5	205.1	14,000	50.9	209.7	12,400	100
105	33.7	187.0	11,800*	37.5	192.8	12,300	42.7	199.8	10,900	47.4	205.2	9,500	105
110	28.4	178.3	10,300	32.9	185.4	9,400	38.6	193.7	8,100	43.7	200.1	6,800	110
115	22.1	167.2	7,500	27.5	176.4	6,800	34.1	186.7	5,600	39.6	194.2	4,400	115
120	12.7	150.0	4,900	20.8	164.7	4,300							120



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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, 230 Ft. Jib

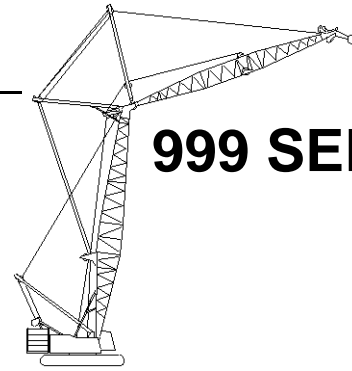
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	75.3	243.2	59,000*										45
50	72.8	241.6	51,100*										50
55	70.3	239.9	44,600*	72.4	241.1	50,000*							55
60	67.7	237.8	39,300*	69.8	239.3	43,700*							60
65	65.0	235.6	34,800*	67.3	237.2	38,500*	70.5	239.0	45,100*				65
70	62.4	233.0	31,100*	64.6	234.8	34,200*	67.9	237.0	39,700*				70
75	59.6	230.1	28,000*	61.9	232.2	30,600*	65.3	234.7	35,300*				75
80	56.7	226.8	25,200*	59.1	229.3	27,500*	62.6	232.2	31,100	65.9	234.3	29,000	80
85	53.8	223.2	22,800*	56.3	226.0	24,900*	59.8	229.3	26,200	63.2	231.8	24,300	85
90	50.7	219.2	20,300*	53.3	222.3	22,500*	57.0	226.1	22,000	60.5	229.0	20,100	90
95	47.5	214.7	18,200*	50.2	218.2	19,900	54.0	222.5	18,200	57.7	225.9	16,400	95
100	44.1	209.7	16,300*	46.9	213.7	16,400	51.0	218.6	14,800	54.7	222.4	13,200	100
105	40.5	204.0	14,300	43.5	208.5	13,300	47.8	214.1	11,800	51.7	218.5	10,200	105
110	36.5	197.5	11,400	39.8	202.7	10,500	44.4	209.1	9,000	48.5	214.2	7,600	110
115	32.2	189.9	8,800	35.8	196.0	7,900	40.8	203.5	6,600	45.2	209.3	5,200	115
120	27.2	180.7	6,300	31.4	188.2	5,500	36.9	197.0	4,300				120
125	21.1	169.0	4,100										125

## 120 Ft. Boom, 240 Ft. 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 Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
50	74.2	252.1	49,200*										50
55	71.9	250.5	42,900*	73.8	251.6	48,100*							55
60	69.5	248.7	37,700*	71.5	249.9	42,000*							60
65	67.1	246.6	33,300*	69.1	248.0	36,900*							65
70	64.7	244.2	29,600*	66.7	245.9	32,700*	69.7	247.8	38,100*				70
75	62.2	241.6	26,400*	64.3	243.5	29,100*	67.3	245.7	33,700*				75
80	59.6	238.7	23,700*	61.8	240.9	26,000*	64.9	243.4	30,000*	67.9	245.2	29,000	80
85	57.0	235.5	21,300*	59.2	237.9	23,300*	62.4	240.8	26,500	65.5	243.0	24,300	85
90	54.3	232.0	19,100*	56.6	234.7	20,900*	59.8	238.0	22,200	63.0	240.4	20,200	90
95	51.5	228.1	17,300*	53.8	231.1	18,900*	57.2	234.8	18,500	60.4	237.6	16,600	95
100	48.6	223.7	15,600*	51.0	227.1	16,900	54.5	231.3	15,100	57.8	234.5	13,300	100
105	45.5	218.9	14,100*	48.1	222.7	13,800	51.7	227.4	12,100	55.2	231.1	10,400	105
110	42.2	213.5	12,000	45.0	217.8	11,000	48.8	223.1	9,400	52.4	227.3	7,800	110
115	38.8	207.5	9,400	41.7	212.3	8,400	45.7	218.3	6,900	49.5	223.1	5,400	115
120	35.0	200.6	7,000	38.2	206.1	6,100	42.5	213.0	4,700				120
125	30.8	192.6	4,800										125



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 130 Ft. Boom, 70 Ft. Jib

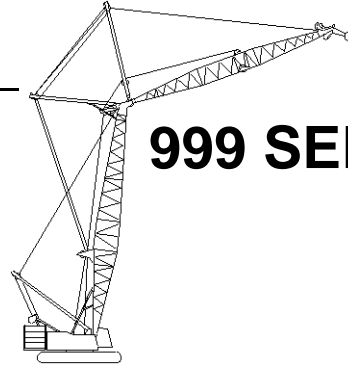
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	59.3	171.0	40,700*b																35
40	50.1	167.0	31,300*	58.5	170.3	39,800*b													40
45	39.2	161.4	25,100*	49.2	166.3	30,800*													45
50	24.0	152.2	20,600*	38.0	160.4	24,700*	52.6	167.1	33,800*										50
55				22.0	150.6	20,300*	42.2	162.0	26,800*	55.8	167.3	37,200*b							55
60							28.7	154.1	21,900*	46.0	162.8	29,100*							60
65										34.0	156.2	23,500*	57.6	165.5	39,800*b				65
70													48.2	161.2	30,800*				70
75													36.8	155.1	24,800*				75
80													19.7	144.5	20,300*	49.7	158.4	32,200*	80
85																38.7	152.6	25,800*	85
90																23.2	143.2	21,100*	90

### 130 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	59.3	171.0	34,100*																35
40	50.1	167.0	26,100*	58.5	170.3	33,300*													40
45	39.2	161.4	20,800*	49.2	166.3	25,600*	61.5	170.7	37,400*b										45
50	24.0	152.2	16,900*	38.0	160.4	20,400*	52.6	167.1	28,200*	64.4	170.6	42,300*b							50
55				22.0	150.6	16,600*	42.2	162.0	22,200*	55.8	167.3	31,100*							55
60							28.7	154.1	17,900*	46.0	162.8	24,100*							60
65										34.0	156.2	19,400*	57.6	165.5	33,300*				65
70													48.2	161.2	25,600*				70
75													36.8	155.1	20,400*				75
80													19.7	144.5	16,600*	49.7	158.4	26,800*	80
85																38.7	152.6	21,200*	85
90																23.2	143.2	17,200*	90



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 130 Ft. Boom, 90 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	59.3	171.0	30,100*																35
40	50.1	167.0	22,900*	58.5	170.3	29,400*													40
45	39.2	161.4	18,100*	49.2	166.3	22,500*	61.5	170.7	33,100*										45
50	24.0	152.2	14,600*	38.0	160.4	17,800*	52.6	167.1	24,800*	64.4	170.6	37,400*							50
55				22.0	150.6	14,300*	42.2	162.0	19,400*	55.8	167.3	27,300*							55
60							28.7	154.1	15,600*	46.0	162.8	21,100*							60
65										34.0	156.2	16,800*	57.6	165.5	29,300*				65
70													48.2	161.2	22,400*				70
75													36.8	155.1	17,800*				75
80													19.7	144.5	14,300*	49.7	158.4	23,500*	80
85																38.7	152.6	18,500*	85
90																23.2	143.2	14,900*	90

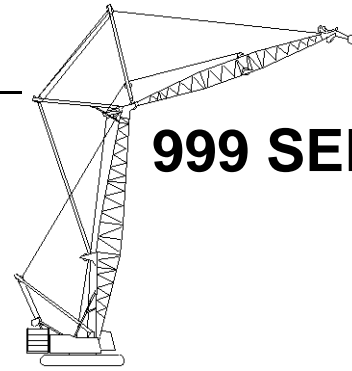
### 130 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	66.1	182.5	43,600*																35
40	59.5	179.6	33,300*	65.5	181.9	42,700*													40
45	52.3	175.9	26,400*	58.8	179.0	32,700*	67.8	182.0	48,000*										45
50	44.2	171.1	21,600*	51.6	175.2	26,000*	61.2	179.4	36,000*										50
55	34.6	164.4	17,900*	43.4	170.2	21,300*	54.2	175.9	28,300*	63.5	179.2	39,700*							55
60	21.1	153.9	15,000*	33.6	163.3	17,700*	46.4	171.4	22,900*	56.7	176.1	30,800*							60
65				19.3	152.1	14,800*	37.3	165.3	18,900*	49.2	171.9	24,700*							65
70							25.3	156.2	15,800*	40.6	166.5	20,300*	58.1	174.1	32,600*				70
75										30.0	158.7	16,900*	50.8	170.2	26,000*				75
80													42.5	165.1	21,300*				80
85													32.4	158.0	17,700*	52.0	167.3	27,100*	85
90													17.3	145.8	14,800*	43.9	162.4	22,100*	90
95																34.2	155.6	18,300*	95
100																20.4	144.8	15,400*	100





# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 130 Ft. Boom, 110 Ft. Jib

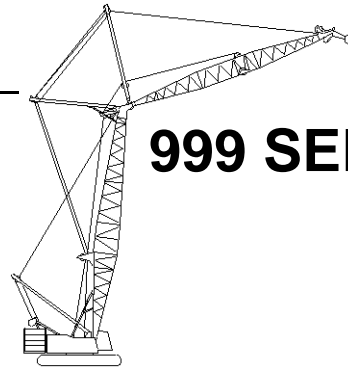
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	67.6	173.8	39,300*	39,300*																30
35	59.3	171.0	28,200*	28,200*	66.9	173.3	38,100*													35
40	50.1	167.0	21,600*	21,600*	58.5	170.3	27,500*	69.7	173.3	44,100*										40
45	39.2	161.4	17,100*	17,100*	49.2	166.3	21,100*	61.5	170.7	30,700*										45
50	24.0	152.2	13,900*	13,900*	38.0	160.4	16,800*	52.6	167.1	23,100*	64.4	170.6	34,600*							50
55					22.0	150.6	13,700*	42.2	162.0	18,300*	55.8	167.3	25,500*							55
60								28.7	154.1	14,800*	46.0	162.8	19,800*							60
65											34.0	156.2	15,900*	57.6	165.5	27,200*				65
70														48.2	161.2	21,000*				70
75														36.8	155.1	16,800*				75
80														19.7	144.5	13,700*	49.7	158.4	21,900*	80
85																	38.7	152.6	17,400*	85
90																	23.2	143.2	14,100*	90

### 130 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	72.4	184.6	54,800*	54,800*																30
35	66.1	182.5	39,100*	39,100*	71.8	184.1	53,200*													35
40	59.5	179.6	29,800*	29,800*	65.5	181.9	38,200*													40
45	52.3	175.9	23,600*	23,600*	58.8	179.0	29,200*	67.8	182.0	42,800*										45
50	44.2	171.1	19,300*	19,300*	51.6	175.2	23,300*	61.2	179.4	32,100*										50
55	34.6	164.4	16,000*	16,000*	43.4	170.2	19,000*	54.2	175.9	25,200*	63.5	179.2	35,400*							55
60	21.1	153.9	13,400*	13,400*	33.6	163.3	15,800*	46.4	171.4	20,400*	56.7	176.1	27,400*							60
65					19.3	152.1	13,200*	37.3	165.3	16,900*	49.2	171.9	22,000*							65
70								25.3	156.2	14,100*	40.6	166.5	18,100*	58.1	174.1	29,000*				70
75											30.0	158.7	15,100*	50.8	170.2	23,200*				75
80														42.5	165.1	18,900*				80
85														32.4	158.0	15,800*	52.0	167.3	24,100*	85
90														17.3	145.8	13,200*	43.9	162.4	19,600*	90
95																	34.2	155.6	16,300*	95
100																	20.4	144.8	13,700*	100



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82

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

184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating

### 130 Ft. Boom, 130 Ft. Jib

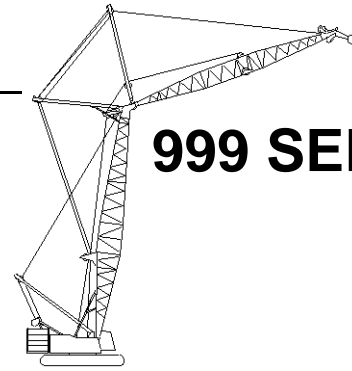
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	75.4	195.2	59,000*																30
35	70.4	193.4	49,600*																35
40	65.1	191.2	37,800*	69.9	192.9	48,400*													40
45	59.6	188.3	30,100*	64.6	190.6	37,100*													45
50	53.7	184.7	24,600*	59.0	187.7	29,600*	66.5	190.7	40,700*										50
55	47.2	180.3	20,500*	53.1	184.1	24,300*	61.0	188.0	32,100*										55
60	40.0	174.7	17,300*	46.6	179.5	20,200*	55.2	184.7	26,100*	62.9	187.9	34,800*							60
65	31.3	167.1	14,800*	39.2	173.7	17,100*	49.0	180.5	21,700*	57.2	184.8	28,100*							65
70	19.0	155.4	12,700*	30.4	166.0	14,600*	42.0	175.2	18,200*	51.2	180.9	23,200*							70
75				17.4	153.5	12,600*	33.7	168.3	15,500*	44.5	176.0	19,400*	58.4	182.8	29,500*				75
80							22.9	158.1	13,300*	36.7	169.7	16,500*	52.5	179.1	24,200*				80
85										27.1	161.0	14,100*	45.9	174.5	20,300*				85
90													38.4	168.5	17,200*	53.4	176.1	19,700	90
95													29.3	160.5	14,700*	46.9	171.6	16,200	95
100													15.5	147.0	12,600*	39.7	165.9	13,100	100
105																30.9	158.3	10,200	105
110																18.3	146.3	7,400	110

### 130 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	73.3	204.1	59,000*																35
40	68.9	202.2	49,400*	72.9	203.6	59,000*													40
45	64.4	199.8	39,400*	68.5	201.7	48,500*													45
50	59.6	197.0	32,300*	63.9	199.3	38,700*	70.0	201.6	53,100*										50
55	54.6	193.5	27,000*	59.2	196.4	31,800*	65.5	199.4	42,000*										55
60	49.3	189.4	22,900*	54.1	192.8	26,600*	60.9	196.7	34,200*	67.1	199.1	45,500*							60
65	43.4	184.3	19,600*	48.7	188.6	22,600*	55.9	193.4	28,500*	62.5	196.5	36,800*							65
70	36.8	178.0	16,900*	42.8	183.4	19,400*	50.7	189.4	24,100*	57.7	193.5	30,400*							70
75	28.8	169.6	14,700*	36.1	177.0	16,800*	45.0	184.6	20,600*	52.5	189.7	25,600*							75
80	17.5	156.8	12,900*	27.9	168.4	14,600*	38.6	178.6	17,800*	47.0	185.2	21,900*	58.7	191.5	31,300				80
85				16.0	154.8	12,800*	31.0	171.0	15,400*	40.9	179.7	18,800*	53.6	187.9	26,700*				85
90							21.0	159.9	13,500*	33.8	172.7	16,300*	48.2	183.6	22,800				90
95										24.9	163.2	14,200*	42.2	178.3	19,200	54.4	184.9	16,500	95
100													35.4	171.7	16,000	49.0	180.7	13,500	100
105													27.0	162.8	13,100	43.1	175.6	10,900	105
110													14.2	148.1	10,100	36.5	169.2	8,400	110
115																28.4	160.8	6,100	115



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 130 Ft. Boom, 150 Ft. Jib

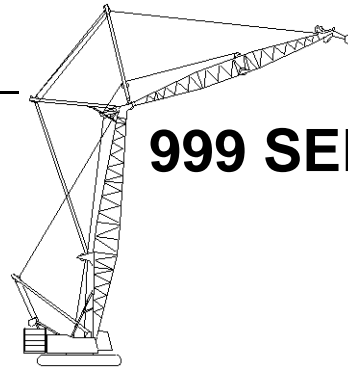
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall		Jib Ang. Deg.	Elev. Feet	Capacity Pounds	Jib		Intermediate Fall	Jib Ang. Deg.	Elev. Feet	Capacity Pounds	Jib		Intermediate Fall	Jib Ang. Deg.	Elev. Feet	Capacity Pounds	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.				Elev. Feet	Capacity Pounds	Ang. Deg.				Elev. Feet	Capacity Pounds	Ang. Deg.				
35	75.5	214.5	59,000*																	35
40	71.7	212.9	59,000*																	40
45	67.8	210.9	47,700*	71.3	212.4	58,400*														45
50	63.8	208.5	39,300*	67.4	210.4	47,000*														50
55	59.7	205.6	33,000*	63.4	207.9	38,800*	68.8	210.4	50,700*											55
60	55.3	202.3	28,200*	59.3	205.0	32,700*	64.9	208.1	41,600*											60
65	50.7	198.3	24,300*	54.9	201.6	27,900*	60.8	205.3	34,900*	66.2	207.8	44,600*								65
70	45.8	193.6	21,100*	50.3	197.6	24,100*	56.5	202.1	29,700*	62.2	205.2	37,100*								70
75	40.4	187.9	18,500*	45.3	192.8	21,000*	51.9	198.3	25,600*	58.0	202.1	31,500*								75
80	34.2	181.0	16,300*	39.8	187.0	18,400*	47.1	193.8	22,200*	53.5	198.5	27,000*	63.0	203.1	32,000					80
85	26.8	171.9	14,500*	33.6	179.9	16,200*	41.8	188.4	19,400*	48.8	194.3	23,400*	58.8	200.2	27,500					85
90	16.2	158.2	12,900*	26.0	170.6	14,400*	35.9	181.8	17,100*	43.7	189.2	20,500*	54.5	196.7	23,700					90
95				14.8	155.9	12,800*	28.9	173.5	15,100*	38.0	183.1	18,000*	49.8	192.6	20,200					95
100							19.5	161.5	13,400*	31.4	175.5	15,900*	44.8	187.7	17,100	55.1	193.7	14,300		100
105										23.1	165.1	14,100*	39.2	181.8	14,300	50.5	189.6	11,700		105
110													32.9	174.6	11,800	45.6	184.9	9,300		110
115													25.1	165.0	9,400	40.1	179.2	7,200		115
120													13.1	149.2	7,000	33.9	172.2	5,200		120

### 130 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet			
	Jib		Intermediate Fall		Jib Ang. Deg.	Elev. Feet	Capacity Pounds	Jib		Intermediate Fall	Jib Ang. Deg.	Elev. Feet	Capacity Pounds	Jib		Intermediate Fall				
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.				Elev. Feet	Capacity Pounds	Ang. Deg.				Elev. Feet	Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds	
40	73.8	223.5	59,000*																	40
45	70.4	221.7	59,000*	73.5	223.0	59,000*														45
50	67.0	219.6	49,700*	70.1	221.2	58,800*														50
55	63.4	217.2	42,500*	66.6	219.1	49,400*														55
60	59.7	214.3	36,500*	63.0	216.6	42,200*	67.9	219.1	52,900*											60
65	55.9	211.0	31,600*	59.3	213.7	36,200*	64.3	216.7	44,900*											65
70	51.8	207.1	27,600*	55.5	210.3	31,400*	60.7	214.0	38,400*	65.5	216.5	47,500								70
75	47.6	202.7	24,300*	51.4	206.4	27,400*	56.9	210.8	33,200*	61.9	213.9	40,700*								75
80	42.9	197.5	21,500*	47.1	201.9	24,200*	52.9	207.1	29,000*	58.2	210.8	35,100*								80
85	37.9	191.3	19,100*	42.5	196.6	21,400*	48.7	202.8	25,500*	54.3	207.3	30,600*	62.7	211.8	27,400					85
90	32.1	183.8	17,000*	37.4	190.4	19,000*	44.2	197.8	22,500*	50.2	203.2	26,800*	59.0	208.8	23,600					90
95	25.1	174.1	15,300*	31.5	182.7	17,000*	39.2	191.9	20,000*	45.8	198.5	23,600	55.1	205.4	20,200					95
100	15.2	159.4	13,700*	24.4	172.7	15,200*	33.7	184.8	17,900*	41.0	193.0	20,400	51.0	201.5	17,200					100
105				13.8	157.1	13,700*	27.1	175.8	16,000*	35.7	186.3	17,400	46.7	196.9	14,500					105
110							18.3	163.0	14,300*	29.5	178.1	14,700	42.0	191.5	12,000					110
115										21.7	167.0	12,200	36.8	185.1	9,800					115
120													30.9	177.3	7,700					120
125													23.5	167.0	5,700					125



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82

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

184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating

### 130 Ft. Boom, 170 Ft. Jib

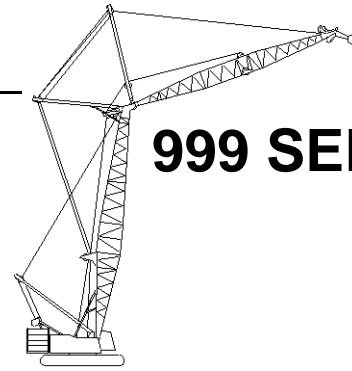
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	75.5	214.5	59,000*													35
40	71.7	212.9	55,000*													40
45	67.8	210.9	44,100*	71.3	212.4	53,900*										45
50	63.8	208.5	36,300*	67.4	210.4	43,400*										50
55	59.7	205.6	30,500*	63.4	207.9	35,800*	68.8	210.4	46,900*							55
60	55.3	202.3	26,000*	59.3	205.0	30,200*	64.9	208.1	38,400*							60
65	50.7	198.3	22,400*	54.9	201.6	25,800*	60.8	205.3	32,200*	66.2	207.8	41,200*				65
70	45.8	193.6	19,500*	50.3	197.6	22,200*	56.5	202.1	27,400*	62.2	205.2	34,300*				70
75	40.4	187.9	17,000*	45.3	192.8	19,300*	51.9	198.3	23,600*	58.0	202.1	29,100*				75
80	34.2	181.0	15,000*	39.8	187.0	17,000*	47.1	193.8	20,500*	53.5	198.5	25,000*	63.0	203.1	27,600	80
85	26.8	171.9	13,300*	33.6	179.9	14,900*	41.8	188.4	17,900*	48.8	194.3	21,600*	58.8	200.2	23,000	85
90	16.2	158.2	11,800*	26.0	170.6	13,200*	35.9	181.8	15,800*	43.7	189.2	18,900*	54.5	196.7	19,000	90
95				14.8	155.9	11,700*	28.9	173.5	13,900*	38.0	183.1	16,600*	49.8	192.6	15,400	95
100							19.5	161.5	12,300*	31.4	175.5	14,400	44.8	187.7	12,200	100
105										23.1	165.1	11,300	39.2	181.8	9,300	105
110													32.9	174.6	6,700	110
115													25.1	165.0	4,200	115

### 130 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.8	223.5	59,000*													40
45	70.4	221.7	56,000*	73.5	223.0	59,000*										45
50	67.0	219.6	46,300*	70.1	221.2	55,100*										50
55	63.4	217.2	39,000*	66.6	219.1	45,700*										55
60	59.7	214.3	33,400*	63.0	216.6	38,600*	67.9	219.1	48,900*							60
65	55.9	211.0	28,800*	59.3	213.7	33,100*	64.3	216.7	41,100*							65
70	51.8	207.1	25,200*	55.5	210.3	28,700*	60.7	214.0	35,100*	65.5	216.5	43,100				70
75	47.6	202.7	22,100*	51.4	206.4	25,000*	56.9	210.8	30,400*	61.9	213.9	36,700				75
80	42.9	197.5	19,500*	47.1	201.9	22,000*	52.9	207.1	26,500*	58.2	210.8	31,200				80
85	37.9	191.3	17,300*	42.5	196.6	19,500*	48.7	202.8	23,300*	54.3	207.3	26,500	62.7	211.8	23,200	85
90	32.1	183.8	15,500*	37.4	190.4	17,300*	44.2	197.8	20,600*	50.2	203.2	22,300	59.0	208.8	19,300	90
95	25.1	174.1	13,800*	31.5	182.7	15,400*	39.2	191.9	18,200*	45.8	198.5	18,600	55.1	205.4	15,800	95
100	15.2	159.4	12,400*	24.4	172.7	13,800*	33.7	184.8	16,300*	41.0	193.0	15,300	51.0	201.5	12,700	100
105				13.8	157.1	12,400*	27.1	175.8	13,700	35.7	186.3	12,300	46.7	196.9	9,900	105
110							18.3	163.0	10,800	29.5	178.1	9,600	42.0	191.5	7,300	110
115										21.7	167.0	7,000	36.8	185.1	5,000	115



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 130 Ft. Boom, 190 Ft. Jib

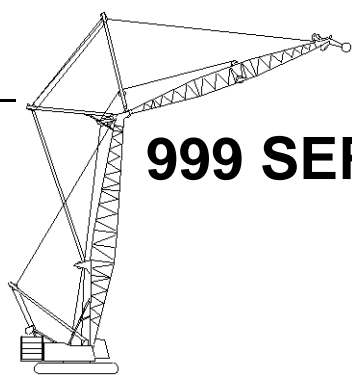
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	75.5	214.5	59,000*													35
40	71.7	212.9	50,900*													40
45	67.8	210.9	40,800*	71.3	212.4	49,900*										45
50	63.8	208.5	33,600*	67.4	210.4	40,200*										50
55	59.7	205.6	28,200*	63.4	207.9	33,200*	68.8	210.4	43,400*							55
60	55.3	202.3	24,000*	59.3	205.0	27,900*	64.9	208.1	35,600*							60
65	50.7	198.3	20,700*	54.9	201.6	23,800*	60.8	205.3	29,800*	66.2	207.8	38,200*				65
70	45.8	193.6	17,900*	50.3	197.6	20,500*	56.5	202.1	25,300*	62.2	205.2	31,800*				70
75	40.4	187.9	15,700*	45.3	192.8	17,800*	51.9	198.3	21,800*	58.0	202.1	26,900*				75
80	34.2	181.0	13,800*	39.8	187.0	15,600*	47.1	193.8	18,900*	53.5	198.5	23,100*	63.0	203.1	23,500	80
85	26.8	171.9	12,200*	33.6	179.9	13,700*	41.8	188.4	16,500*	48.8	194.3	20,000*	58.8	200.2	18,800	85
90	16.2	158.2	10,800*	26.0	170.6	12,100*	35.9	181.8	14,500*	43.7	189.2	16,600	54.5	196.7	14,600	90
95				14.8	155.9	10,800*	28.9	173.5	12,800*	38.0	183.1	12,700	49.8	192.6	10,900	95
100							19.5	161.5	10,000	31.4	175.5	9,200	44.8	187.7	7,600	100
105										23.1	165.1	6,000	39.2	181.8	4,600	105

### 130 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	73.8	223.5	59,000*													40
45	70.4	221.7	51,500*	73.5	223.0	59,000*										45
50	67.0	219.6	42,600*	70.1	221.2	50,700*										50
55	63.4	217.2	35,900*	66.6	219.1	42,000*										55
60	59.7	214.3	30,700*	63.0	216.6	35,500*	67.9	219.1	45,000*							60
65	55.9	211.0	26,500*	59.3	213.7	30,400*	64.3	216.7	37,900*							65
70	51.8	207.1	23,100*	55.5	210.3	26,300*	60.7	214.0	32,300*	65.5	216.5	38,800				70
75	47.6	202.7	20,300*	51.4	206.4	23,000*	56.9	210.8	27,900*	61.9	213.9	32,400				75
80	42.9	197.5	17,900*	47.1	201.9	20,200*	52.9	207.1	24,300*	58.2	210.8	26,800				80
85	37.9	191.3	15,800*	42.5	196.6	17,800*	48.7	202.8	21,400*	54.3	207.3	21,900	62.7	211.8	19,300	85
90	32.1	183.8	14,100*	37.4	190.4	15,800*	44.2	197.8	18,800*	50.2	203.2	17,700	59.0	208.8	15,200	90
95	25.1	174.1	12,600*	31.5	182.7	14,100*	39.2	191.9	15,200	45.8	198.5	13,900	55.1	205.4	11,600	95
100	15.2	159.4	11,300*	24.4	172.7	12,600*	33.7	184.8	11,700	41.0	193.0	10,500	51.0	201.5	8,400	100
105				13.8	157.1	9,300	27.1	175.8	8,500	35.7	186.3	7,400	46.7	196.9	5,500	105
110							18.3	163.0	5,500	29.5	178.1	4,600				110



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 130 Ft. Boom, 210 Ft. Jib

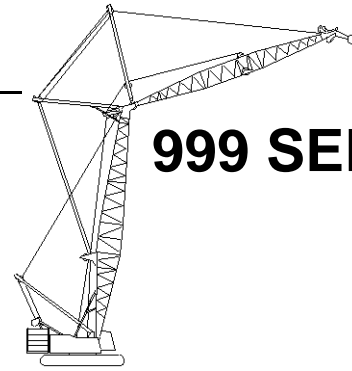
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	75.5	233.9	59,000*										40
45	72.5	232.3	57,200*										45
50	69.4	230.5	49,100*	72.2	231.9	56,400*							50
55	66.3	228.3	42,000*	69.1	230.0	48,500*							55
60	63.0	225.8	36,000*	66.0	227.8	41,600*	70.2	229.9	51,100*				60
65	59.7	223.0	31,200*	62.7	225.3	35,800*	67.1	227.8	44,200*				65
70	56.3	219.7	27,300*	59.4	222.4	31,100*	63.9	225.4	37,900*				70
75	52.7	216.0	24,100*	56.0	219.0	27,200*	60.6	222.7	32,900*	65.0	225.2	33,000	75
80	48.9	211.7	21,300*	52.4	215.3	24,000*	57.2	219.5	28,800*	61.7	222.5	27,500	80
85	44.9	206.8	19,000*	48.6	211.0	21,300*	53.7	215.9	24,600	58.4	219.5	22,800	85
90	40.6	201.2	16,900*	44.5	206.0	19,000*	49.9	211.8	20,300	54.9	216.0	18,600	90
95	35.8	194.5	15,200*	40.1	200.3	17,000*	46.0	207.1	16,400	51.2	212.1	14,800	95
100	30.3	186.5	13,600*	35.3	193.5	14,400	41.7	201.6	13,000	47.4	207.6	11,500	100
105	23.7	176.1	12,000	29.8	185.3	11,200	37.1	195.3	9,900	43.2	202.5	8,500	105
110	14.3	160.6	8,900	23.0	174.7	8,300	31.8	187.6	7,100	38.7	196.4	5,800	110
115				13.1	158.1	5,400	25.6	178.0	4,500				115

### 130 Ft. Boom, 220 Ft. 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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	74.1	242.8	55,600*										45
50	71.4	241.2	47,500*	73.9	242.4	54,800*							50
55	68.6	239.2	41,100*	71.1	240.7	46,900*							55
60	65.7	237.0	35,900*	68.3	238.7	40,600*							60
65	62.8	234.5	31,700*	65.4	236.5	35,500*	69.3	238.7	42,700*				65
70	59.8	231.6	28,100*	62.5	233.9	31,300*	66.4	236.5	37,300*				70
75	56.6	228.4	24,800*	59.5	231.0	27,800*	63.5	234.1	32,800*	67.4	236.2	33,300	75
80	53.4	224.7	21,800*	56.3	227.7	24,800*	60.5	231.3	29,000*	64.5	233.8	27,800	80
85	50.0	220.6	19,200*	53.1	224.1	21,800*	57.5	228.2	25,200	61.6	231.2	23,100	85
90	46.5	216.0	17,000*	49.7	219.9	19,200*	54.3	224.6	20,900	58.5	228.2	19,000	90
95	42.7	210.7	15,000*	46.1	215.2	17,000*	50.9	220.7	17,100	55.4	224.8	15,300	95
100	38.6	204.6	13,300*	42.3	209.9	15,100*	47.4	216.2	13,700	52.1	221.0	12,000	100
105	34.0	197.6	11,800*	38.1	203.7	12,200	43.7	211.1	10,700	48.6	216.6	9,100	105
110	28.8	189.0	10,300	33.6	196.5	9,300	39.7	205.2	7,900	45.0	211.8	6,400	110
115	22.6	178.1	7,600	28.3	187.8	6,700	35.2	198.4	5,400	41.1	206.2	4,000	115
120	13.6	161.7	4,900	21.9	176.5	4,300							120



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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

## 130 Ft. Boom, 230 Ft. Jib

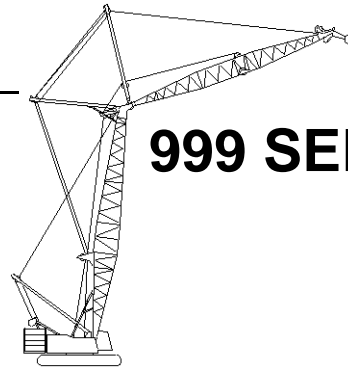
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	75.5	253.3	59,000*										45
50	73.0	251.7	51,700*										50
55	70.4	250.0	45,100*	72.7	251.3	51,100*							55
60	67.9	248.0	39,700*	70.2	249.5	44,600*							60
65	65.2	245.7	35,200*	67.6	247.5	39,300*							65
70	62.5	243.2	31,500*	65.0	245.2	34,900*	68.5	247.4	41,100*				70
75	59.8	240.3	28,300*	62.3	242.6	31,200*	65.9	245.2	36,300				75
80	56.9	237.1	25,500*	59.5	239.7	28,000*	63.2	242.8	30,700	66.8	244.9	28,400	80
85	54.0	233.5	22,900*	56.7	236.4	25,300*	60.5	240.0	25,900	64.2	242.5	23,700	85
90	50.9	229.5	20,400*	53.7	232.8	22,900*	57.7	236.9	21,600	61.4	239.8	19,600	90
95	47.7	225.1	18,200*	50.6	228.8	19,800	54.8	233.4	17,900	58.7	236.8	16,000	95
100	44.3	220.1	16,300*	47.4	224.3	16,300	51.7	229.5	14,500	55.8	233.5	12,700	100
105	40.7	214.4	14,300	44.0	219.2	13,200	48.6	225.2	11,500	52.8	229.8	9,800	105
110	36.8	208.0	11,400	40.4	213.5	10,400	45.2	220.3	8,800	49.7	225.6	7,200	110
115	32.5	200.4	8,800	36.4	207.0	7,800	41.7	214.9	6,300	46.4	220.9	4,800	115
120	27.5	191.4	6,400	32.0	199.3	5,500	37.9	208.6	4,100				120
125	21.5	179.9	4,100										125

## 130 Ft. Boom, 240 Ft. 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 Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
50	74.3	262.2	49,600*										50
55	72.0	260.6	43,300*										55
60	69.7	258.8	38,100*	71.8	260.1	42,900*							60
65	67.3	256.7	33,600*	69.4	258.3	37,700*							65
70	64.8	254.4	29,900*	67.0	256.2	33,300*	70.3	258.2	39,400*				70
75	62.3	251.8	26,700*	64.6	253.9	29,600*	67.9	256.2	34,800*				75
80	59.8	248.9	23,900*	62.1	251.2	26,500*	65.5	253.9	30,900				80
85	57.2	245.8	21,500*	59.6	248.3	23,700*	63.0	251.4	26,100	66.3	253.6	23,700	85
90	54.5	242.2	19,300*	56.9	245.1	21,300*	60.5	248.6	21,900	63.8	251.2	19,700	90
95	51.7	238.4	17,400*	54.2	241.6	19,200*	57.9	245.5	18,100	61.3	248.5	16,100	95
100	48.8	234.1	15,700*	51.4	237.7	16,800	55.2	242.1	14,800	58.8	245.5	12,800	100
105	45.7	229.3	14,200*	48.5	233.3	13,700	52.4	238.3	11,800	56.1	242.2	10,000	105
110	42.5	223.9	12,000	45.4	228.5	10,900	49.5	234.1	9,100	53.4	238.5	7,400	110
115	39.0	217.9	9,400	42.2	223.1	8,300	46.5	229.5	6,700	50.5	234.5	5,000	115
120	35.3	211.1	7,000	38.7	217.0	6,000	43.3	224.3	4,400				120
125	31.1	203.2	4,800										125



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 140 Ft. Boom, 70 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	50.8	177.3	32,000*																40
45	40.0	171.8	25,600*	50.5	176.9	32,000*													45
50	25.4	163.1	20,900*	39.7	171.3	25,600*	54.9	178.0	36,200*b										50
55				24.9	162.4	20,900*	45.0	173.3	28,400*	58.9	178.4	41,400*b							55
60							32.6	166.4	23,100*	49.6	174.4	31,800*							60
65										38.6	168.7	25,400*							65
70										23.0	159.1	20,800*							70
75													53.2	173.3	35,400*				75
80													43.0	168.3	27,900*				80
85													29.8	160.7	22,600*	56.2	170.7	39,100*	85
90																46.5	166.2	30,300*	90
																34.6	159.7	24,400*	90

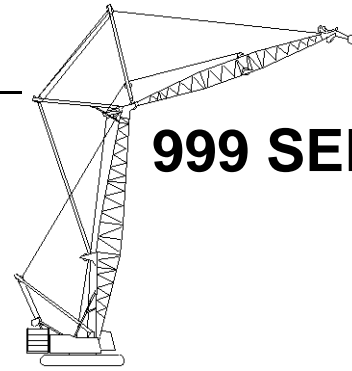
### 140 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	59.9	181.2	35,000*																35
40	50.8	177.3	26,600*	59.7	180.8	35,000*													40
45	40.0	171.8	21,100*	50.5	176.9	26,600*	63.6	181.4	40,900*b										45
50	25.4	163.1	17,200*	39.7	171.3	21,100*	54.9	178.0	30,200*										50
55				24.9	162.4	17,100*	45.0	173.3	23,600*	58.9	178.4	34,600*							55
60							32.6	166.4	19,000*	49.6	174.4	26,400*							60
65										38.6	168.7	21,000*	62.1	176.8	39,600*b				65
70										23.0	159.1	17,000*	53.2	173.3	29,500*				70
75													43.0	168.3	23,100*				75
80													29.8	160.7	18,600*	56.2	170.7	32,600*	80
85																46.5	166.2	25,100*	85
90																34.6	159.7	20,000*	90





# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 140 Ft. Boom, 90 Ft. Jib

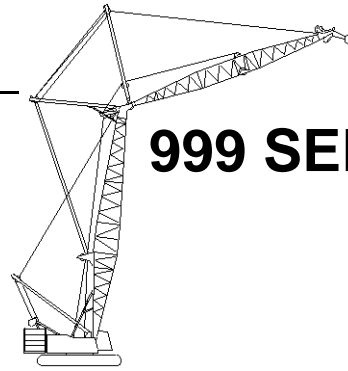
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	59.9	181.2	30,900*																35
40	50.8	177.3	23,400*	59.7	180.8	30,900*													40
45	40.0	171.8	18,500*	50.5	176.9	23,400*	63.6	181.4	36,200* <sup>b</sup>										45
50	25.4	163.1	14,900*	39.7	171.3	18,400*	54.9	178.0	26,600*	67.2	181.3	43,200* <sup>b</sup>							50
55				24.9	162.4	14,800*	45.0	173.3	20,600*	58.9	178.4	30,600*							55
60							32.6	166.4	16,500*	49.6	174.4	23,200*							60
65										38.6	168.7	18,300*	62.1	176.8	35,000*				65
70										23.0	159.1	14,700*	53.2	173.3	25,900*				70
75													43.0	168.3	20,100*				75
80													29.8	160.7	16,100*	56.2	170.7	28,600*	80
85																46.5	166.2	21,900*	85
90																34.6	159.7	17,400*	90

### 140 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	66.6	192.7	44,900*																35
40	59.9	189.9	34,000*	66.4	192.3	44,900*													40
45	52.8	186.2	26,900*	59.8	189.4	34,000*	69.3	192.5	52,600* <sup>b</sup>										45
50	44.8	181.4	21,900*	52.6	185.8	26,900*	62.8	190.0	38,700*										50
55	35.4	175.0	18,200*	44.6	181.0	21,900*	56.0	186.8	30,100*	65.8	190.0	44,500*							55
60	22.4	164.9	15,200*	35.1	174.4	18,200*	48.4	182.5	24,200*	59.1	187.1	33,800*							60
65				21.9	164.2	15,200*	39.7	176.9	19,900*	51.9	183.4	26,800*							65
70							28.7	168.8	16,600*	43.8	178.4	21,800*	61.7	185.5	37,700*				70
75										34.0	171.6	18,100*	54.7	182.0	29,400*				75
80										20.2	160.7	15,200*	47.0	177.6	23,800*				80
85													38.0	171.6	19,600*	57.0	179.4	32,100*	85
90													26.3	162.9	16,400*	49.5	175.3	25,600*	90
95																41.0	169.9	21,000*	95
100																30.5	162.3	17,500*	100



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 140 Ft. Boom, 110 Ft. Jib

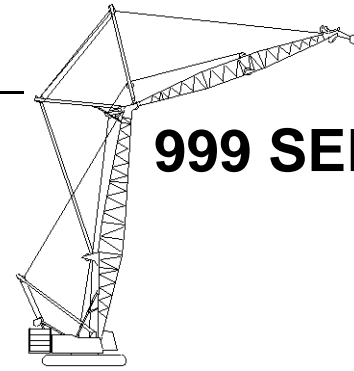
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	68.2	184.0	40,500* <sup>b</sup>																30
35	59.9	181.2	28,900*	68.0	183.6	40,400*													35
40	50.8	177.3	22,000*	59.7	180.8	28,800*													40
45	40.0	171.8	17,400*	50.5	176.9	21,900*	63.6	181.4	33,500*										45
50	25.4	163.1	14,200*	39.7	171.3	17,400*	54.9	178.0	24,800*	67.2	181.3	39,600*							50
55				24.9	162.4	14,200*	45.0	173.3	19,400*	58.9	178.4	28,300*							55
60							32.6	166.4	15,600*	49.6	174.4	21,700*							60
65										38.6	168.7	17,200*	62.1	176.8	32,200*				65
70										23.0	159.1	14,000*	53.2	173.3	24,100*				70
75													43.0	168.3	18,900*				75
80													29.8	160.7	15,300*	56.2	170.7	26,400*	80
85																46.5	166.2	20,400*	85
90																34.6	159.7	16,400*	90

### 140 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	72.8	194.8	56,800* <sup>b</sup>																30
35	66.6	192.7	40,100*	72.7	194.4	56,600*													35
40	59.9	189.9	30,400*	66.4	192.3	40,000*													40
45	52.8	186.2	24,100*	59.8	189.4	30,400*	69.3	192.5	46,700*										45
50	44.8	181.4	19,600*	52.6	185.8	24,000*	62.8	190.0	34,500*										50
55	35.4	175.0	16,200*	44.6	181.0	19,600*	56.0	186.8	26,800*	65.8	190.0	39,400*							55
60	22.4	164.9	13,600*	35.1	174.4	16,200*	48.4	182.5	21,600*	59.1	187.1	30,000*							60
65				21.9	164.2	13,600*	39.7	176.9	17,700*	51.9	183.4	23,800*							65
70							28.7	168.8	14,800*	43.8	178.4	19,400*	61.7	185.5	33,400*				70
75										34.0	171.6	16,100*	54.7	182.0	26,100*				75
80										20.2	160.7	13,500*	47.0	177.6	21,100*				80
85													38.0	171.6	17,400*	57.0	179.4	22,000	85
90													26.3	162.9	14,500*	49.5	175.3	17,900	90
95																41.0	169.9	14,300	95
100																30.5	162.3	11,000	100



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 140 Ft. Boom, 130 Ft. Jib

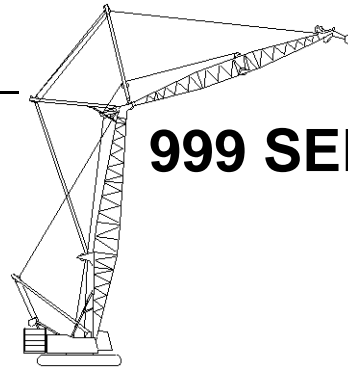
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
30	75.8	205.3	59,000*																30
35	70.7	203.6	50,900*																35
40	65.5	201.3	38,600*	70.6	203.2	50,800*													40
45	59.9	198.5	30,600*	65.3	200.9	38,600*													45
50	54.1	195.0	25,000*	59.8	198.1	30,600*	67.8	201.2	43,800*										50
55	47.7	190.6	20,800*	53.9	194.6	25,000*	62.4	198.7	34,100*										55
60	40.5	185.1	17,500*	47.5	190.2	20,800*	56.7	195.5	27,500*	64.8	198.7	38,100*							60
65	32.0	177.8	14,900*	40.3	184.6	17,500*	50.5	191.5	22,700*	59.3	195.8	30,300*							65
70	20.2	166.5	12,900*	31.7	177.2	15,000*	43.7	186.5	19,000*	53.3	192.2	24,800*							70
75				19.8	165.8	12,800*	35.9	180.1	16,200*	46.9	187.7	20,700*	61.4	194.1	33,200*				75
80							25.9	171.0	13,800*	39.6	182.0	17,500*	55.6	190.8	26,900*				80
85										30.8	174.3	14,900*	49.4	186.7	22,300*				85
90										18.2	162.2	12,800*	42.5	181.5	18,800*	57.5	188.1	18,800	90
95													34.3	174.7	16,000*	51.4	184.2	15,400	95
100													23.7	164.9	13,700*	44.8	179.4	12,400	100
105																37.1	173.2	9,600	105
110																27.6	164.6	7,000	110

### 140 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	73.6	214.2	59,000*																35
40	69.2	212.3	50,500*	73.5	213.8	59,000*													40
45	64.7	210.0	40,100*	69.1	211.9	50,400*													45
50	60.0	207.2	32,800*	64.6	209.6	40,100*													50
55	55.0	203.8	27,300*	59.8	206.8	32,800*	66.7	209.9	44,500*										55
60	49.6	199.7	23,100*	54.8	203.3	27,400*	62.0	207.3	36,100*										60
65	43.8	194.7	19,800*	49.5	199.2	23,200*	57.2	204.2	29,900*	64.1	207.3	39,700*							65
70	37.3	188.4	17,100*	43.7	194.2	19,900*	52.0	200.4	25,200*	59.4	204.4	32,600*							70
75	29.4	180.3	14,900*	37.1	187.9	17,100*	46.4	195.8	21,400*	54.3	201.0	27,300*							75
80	18.5	168.0	13,000*	29.2	179.7	14,900*	40.2	190.2	18,500*	49.0	196.8	23,200*	61.2	202.8	30,400				80
85				18.1	167.3	13,000*	33.0	183.0	16,000*	43.1	191.6	19,900*	56.3	199.5	25,900				85
90							23.8	173.0	13,900*	36.4	185.2	17,200*	51.0	195.6	22,000				90
95										28.3	176.8	14,900*	45.4	190.8	18,500	57.9	196.8	15,500	95
100										16.7	163.5	13,100*	39.0	185.0	15,400	52.7	193.1	12,600	100
105													31.6	177.4	12,500	47.2	188.6	10,000	105
110													21.8	166.7	9,800	41.1	183.1	7,600	110
115																34.1	176.2	5,400	115



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 140 Ft. Boom, 150 Ft. Jib

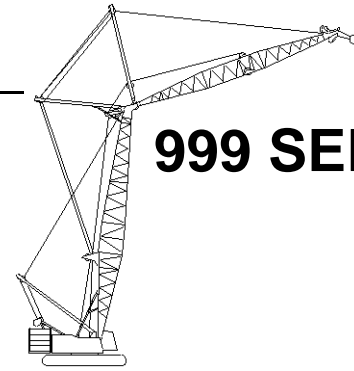
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	75.7	224.6	59,000*													35
40	71.9	223.0	59,000*													40
45	68.1	221.1	48,600*	71.9	222.6	59,000*										45
50	64.1	218.7	39,900*	68.0	220.7	48,500*										50
55	60.0	215.8	33,500*	64.0	218.3	39,900*	69.8	220.8	53,800*							55
60	55.6	212.5	28,500*	59.9	215.4	33,500*	65.8	218.6	43,800*							60
65	51.1	208.6	24,600*	55.5	212.1	28,600*	61.8	216.0	36,500*	67.6	218.4	48,000*				65
70	46.1	203.9	21,400*	50.9	208.1	24,600*	57.5	212.9	30,900*	63.6	216.0	39,700*				70
75	40.8	198.4	18,700*	46.0	203.5	21,400*	53.1	209.2	26,500*	59.4	213.1	33,400*				75
80	34.7	191.5	16,500*	40.6	197.9	18,800*	48.3	204.9	23,000*	55.1	209.7	28,600*				80
85	27.3	182.7	14,600*	34.5	191.0	16,500*	43.2	199.7	20,100*	50.5	205.7	24,700*	61.0	211.4	26,700	85
90	17.2	169.4	12,900*	27.1	182.1	14,600*	37.4	193.5	17,700*	45.5	200.9	21,500*	56.8	208.2	22,800	90
95				16.8	168.7	13,000*	30.7	185.7	15,600*	40.1	195.2	18,900*	52.3	204.4	19,400	95
100							22.2	174.9	13,800*	33.9	188.2	16,600*	47.4	200.0	16,400	100
105										26.3	179.0	14,700*	42.2	194.7	13,600	105
110										15.4	164.8	13,100*	36.3	188.2	11,100	110
115													29.4	180.0	8,800	115
120													20.3	168.4	6,600	120

### 140 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.0	233.6	59,000*													40
45	70.7	231.8	59,000*	74.0	233.2	59,000*										45
50	67.2	229.8	50,400*	70.6	231.5	59,000*										50
55	63.6	227.3	43,000*	67.1	229.4	50,600*										55
60	60.0	224.5	36,900*	63.6	226.9	43,200*	68.7	229.6	55,400*							60
65	56.1	221.2	31,900*	59.9	224.1	37,000*	65.2	227.3	46,800*							65
70	52.1	217.4	27,800*	56.0	220.8	32,000*	61.6	224.6	40,000*	66.8	227.1	46,800				70
75	47.9	213.0	24,500*	52.0	217.0	28,000*	57.8	221.5	34,500*	63.2	224.7	40,600				75
80	43.3	207.9	21,600*	47.8	212.6	24,600*	53.9	218.0	30,000*	59.5	221.8	35,300				80
85	38.2	201.8	19,200*	43.2	207.4	21,800*	49.7	213.8	26,300*	55.7	218.4	30,700				85
90	32.5	194.4	17,100*	38.1	201.3	19,300*	45.3	209.0	23,200*	51.6	214.6	26,700	60.9	220.1	22,700	90
95	25.7	184.9	15,400*	32.4	193.8	17,200*	40.5	203.4	20,600*	47.3	210.1	23,100	57.1	216.9	19,400	95
100	16.1	170.8	13,800*	25.5	184.3	15,400*	35.1	196.6	18,400*	42.7	204.8	19,900	53.2	213.3	16,400	100
105				15.8	170.0	13,900*	28.8	188.2	16,400*	37.6	198.6	17,000	49.0	209.0	13,700	105
110							20.8	176.6	14,700*	31.8	191.0	14,300	44.5	204.1	11,300	110
115										24.7	181.1	11,900	39.6	198.3	9,100	115
120										14.5	166.0	9,500	34.1	191.2	7,100	120
125													27.6	182.4	5,200	125



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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

## 140 Ft. Boom, 170 Ft. Jib

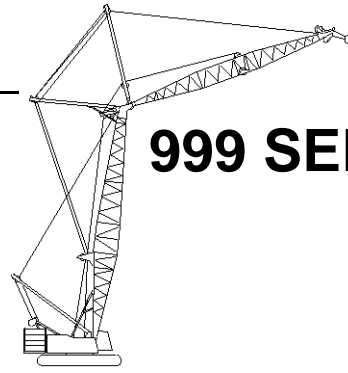
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	75.7	224.6	59,000*													35
40	71.9	223.0	56,200*													40
45	68.1	221.1	44,900*	71.9	222.6	56,000*										45
50	64.1	218.7	36,900*	68.0	220.7	44,800*										50
55	60.0	215.8	30,900*	64.0	218.3	36,900*	69.8	220.8	49,700*							55
60	55.6	212.5	26,300*	59.9	215.4	31,000*	65.8	218.6	40,500*							60
65	51.1	208.6	22,600*	55.5	212.1	26,400*	61.8	216.0	33,700*	67.6	218.4	44,400*				65
70	46.1	203.9	19,700*	50.9	208.1	22,700*	57.5	212.9	28,600*	63.6	216.0	36,700*				70
75	40.8	198.4	17,200*	46.0	203.5	19,700*	53.1	209.2	24,500*	59.4	213.1	30,900*				75
80	34.7	191.5	15,100*	40.6	197.9	17,300*	48.3	204.9	21,200*	55.1	209.7	26,400*				80
85	27.3	182.7	13,400*	34.5	191.0	15,200*	43.2	199.7	18,500*	50.5	205.7	22,800*	61.0	211.4	22,300	85
90	17.2	169.4	11,900*	27.1	182.1	13,400*	37.4	193.5	16,300*	45.5	200.9	19,800*	56.8	208.2	18,300	90
95				16.8	168.7	11,900*	30.7	185.7	14,300*	40.1	195.2	17,400*	52.3	204.4	14,800	95
100							22.2	174.9	12,700*	33.9	188.2	14,100	47.4	200.0	11,600	100
105										26.3	179.0	11,000	42.2	194.7	8,800	105
110										15.4	164.8	8,000	36.3	188.2	6,200	110

## 140 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.0	233.6	59,000*													40
45	70.7	231.8	57,000*	74.0	233.2	59,000*										45
50	67.2	229.8	47,000*	70.6	231.5	56,900*										50
55	63.6	227.3	39,500*	67.1	229.4	47,000*										55
60	60.0	224.5	33,800*	63.6	226.9	39,600*	68.7	229.6	51,300*							60
65	56.1	221.2	29,200*	59.9	224.1	33,900*	65.2	227.3	43,000*							65
70	52.1	217.4	25,400*	56.0	220.8	29,300*	61.6	224.6	36,600*	66.8	227.1	42,400				70
75	47.9	213.0	22,300*	52.0	217.0	25,500*	57.8	221.5	31,500*	63.2	224.7	36,100				75
80	43.3	207.9	19,700*	47.8	212.6	22,400*	53.9	218.0	27,400*	59.5	221.8	30,700				80
85	38.2	201.8	17,500*	43.2	207.4	19,800*	49.7	213.8	24,000*	55.7	218.4	26,000				85
90	32.5	194.4	15,600*	38.1	201.3	17,600*	45.3	209.0	21,200*	51.6	214.6	21,900	60.9	220.1	18,500	90
95	25.7	184.9	13,900*	32.4	193.8	15,700*	40.5	203.4	18,800*	47.3	210.1	18,200	57.1	216.9	15,000	95
100	16.1	170.8	12,500*	25.5	184.3	14,000*	35.1	196.6	16,600	42.7	204.8	14,900	53.2	213.3	12,000	100
105				15.8	170.0	12,600*	28.8	188.2	13,500	37.6	198.6	11,900	49.0	209.0	9,200	105
110							20.8	176.6	10,600	31.8	191.0	9,200	44.5	204.1	6,700	110
115										24.7	181.1	6,700	39.6	198.3	4,400	115
120										14.5	166.0	4,300				120



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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**

## 140 Ft. Boom, 190 Ft. Jib

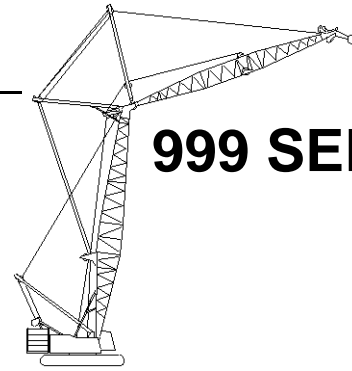
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	75.7	224.6	59,000*													35
40	71.9	223.0	52,000*													40
45	68.1	221.1	41,500*	71.9	222.6	51,900*										45
50	64.1	218.7	34,100*	68.0	220.7	41,500*										50
55	60.0	215.8	28,600*	64.0	218.3	34,100*	69.8	220.8	46,000*							55
60	55.6	212.5	24,300*	59.9	215.4	28,600*	65.8	218.6	37,500*							60
65	51.1	208.6	20,900*	55.5	212.1	24,400*	61.8	216.0	31,200*	67.6	218.4	41,100*				65
70	46.1	203.9	18,100*	50.9	208.1	21,000*	57.5	212.9	26,400*	63.6	216.0	34,000*				70
75	40.8	198.4	15,800*	46.0	203.5	18,200*	53.1	209.2	22,600*	59.4	213.1	28,600*				75
80	34.7	191.5	13,900*	40.6	197.9	15,900*	48.3	204.9	19,600*	55.1	209.7	24,400*				80
85	27.3	182.7	12,200*	34.5	191.0	14,000*	43.2	199.7	17,100*	50.5	205.7	20,600	61.0	211.4	18,200	85
90	17.2	169.4	10,900*	27.1	182.1	12,300*	37.4	193.5	15,000*	45.5	200.9	16,300	56.8	208.2	14,100	90
95				16.8	168.7	10,900*	30.7	185.7	13,200*	40.1	195.2	12,500	52.3	204.4	10,400	95
100							22.2	174.9	9,900	33.9	188.2	9,000	47.4	200.0	7,200	100
105										26.3	179.0	5,800	42.2	194.7	4,200	105

## 140 Ft. Boom, 200 Ft. 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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	74.0	233.6	59,000*										40
45	70.7	231.8	52,400*	74.0	233.2	59,000*							45
50	67.2	229.8	43,200*	70.6	231.5	52,300*							50
55	63.6	227.3	36,400*	67.1	229.4	43,300*							55
60	60.0	224.5	31,000*	63.6	226.9	36,400*	68.7	229.6	47,300*				60
65	56.1	221.2	26,800*	59.9	224.1	31,100*	65.2	227.3	39,600*				65
70	52.1	217.4	23,300*	56.0	220.8	26,900*	61.6	224.6	33,700*	66.8	227.1	38,300	70
75	47.9	213.0	20,400*	52.0	217.0	23,400*	57.8	221.5	29,000*	63.2	224.7	31,900	75
80	43.3	207.9	18,000*	47.8	212.6	20,600*	53.9	218.0	25,200*	59.5	221.8	26,300	80
85	38.2	201.8	16,000*	43.2	207.4	18,100*	49.7	213.8	22,100*	55.7	218.4	21,500	85
90	32.5	194.4	14,200*	38.1	201.3	16,100*	45.3	209.0	18,900	51.6	214.6	17,300	90
95	25.7	184.9	12,700*	32.4	193.8	14,300*	40.5	203.4	15,000	47.3	210.1	13,500	95
100	16.1	170.8	11,400*	25.5	184.3	12,800	35.1	196.6	11,600	42.7	204.8	10,200	100
105				15.8	170.0	9,300	28.8	188.2	8,400	37.6	198.6	7,200	105
110							20.8	176.6	5,400	31.8	191.0	4,400	110



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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

## 140 Ft. Boom, 210 Ft. Jib

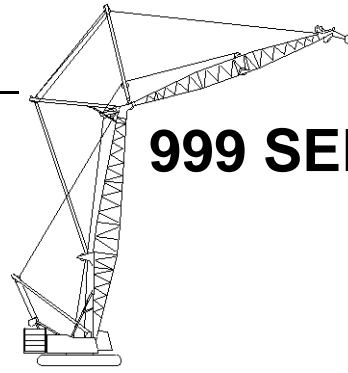
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	75.7	244.0	59,000*										40
45	72.7	242.4	58,000*										45
50	69.6	240.6	49,700*	72.6	242.1	57,800*							50
55	66.5	238.5	42,600*	69.5	240.2	49,600*							55
60	63.3	236.0	36,500*	66.4	238.1	42,600*	70.9	240.3	53,300*				60
65	60.0	233.2	31,600*	63.2	235.6	36,600*	67.8	238.3	46,000*				65
70	56.5	229.9	27,600*	59.9	232.8	31,700*	64.7	236.0	39,400*				70
75	53.0	226.2	24,300*	56.5	229.5	27,700*	61.4	233.3	34,100*	66.1	235.8	32,500	75
80	49.2	222.0	21,500*	52.9	225.8	24,400*	58.0	230.2	29,200	62.9	233.3	27,000	80
85	45.2	217.2	19,100*	49.1	221.6	21,600*	54.5	226.7	24,300	59.6	230.4	22,300	85
90	40.9	211.6	17,000*	45.1	216.7	19,300*	50.9	222.7	20,000	56.1	227.1	18,100	90
95	36.1	205.0	15,200*	40.8	211.1	17,200*	47.0	218.2	16,200	52.5	223.4	14,400	95
100	30.8	197.1	13,700*	36.0	204.5	14,400	42.8	213.0	12,800	48.7	219.1	11,100	100
105	24.3	187.0	12,100	30.6	196.5	11,200	38.3	206.8	9,700	44.7	214.2	8,200	105
110	15.2	172.0	8,900	24.1	186.3	8,200	33.2	199.6	6,900	40.3	208.5	5,500	110
115				14.9	171.2	5,400	27.2	190.5	4,300				115

## 140 Ft. Boom, 220 Ft. 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 Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	74.3	252.9	56,400*										45
50	71.6	251.3	48,100*										50
55	68.8	249.4	41,600*	71.5	250.9	48,000*							55
60	65.9	247.2	36,400*	68.7	249.0	41,500*							60
65	63.0	244.7	32,000*	65.8	246.8	36,300*	70.0	249.1	44,400*				65
70	60.0	241.8	28,400*	62.9	244.3	32,000*	67.1	247.0	38,600*				70
75	56.9	238.6	25,000*	59.9	241.4	28,400*	64.3	244.6	33,900*				75
80	53.6	235.0	22,000*	56.8	238.2	25,200*	61.3	241.9	29,700	65.6	244.5	27,300	80
85	50.3	230.9	19,400*	53.6	234.6	22,200*	58.2	238.9	24,800	62.6	242.0	22,600	85
90	46.7	226.3	17,100*	50.2	230.5	19,500*	55.1	235.5	20,600	59.6	239.1	18,500	90
95	42.9	221.1	15,100*	46.6	225.9	17,300*	51.7	231.6	16,800	56.5	235.8	14,800	95
100	38.9	215.1	13,400*	42.8	220.6	15,300	48.3	227.2	13,400	53.2	232.2	11,600	100
105	34.4	208.1	11,900*	38.7	214.6	12,100	44.6	222.3	10,400	49.9	228.0	8,700	105
110	29.2	199.7	10,300	34.2	207.6	9,300	40.7	216.6	7,700	46.3	223.4	6,000	110
115	23.0	188.9	7,600	29.1	199.1	6,600	36.4	210.1	5,200				115
120	14.4	173.2	5,000	22.9	188.3	4,200							120



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82

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

184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating

## 140 Ft. Boom, 230 Ft. 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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		
45	75.7	263.3	59,000*										45
50	73.2	261.9	52,200*										50
55	70.6	260.1	45,600*	73.1	261.5	52,200*							55
60	68.0	258.1	40,100*	70.6	259.7	45,500*							60
65	65.4	255.9	35,600*	68.0	257.7	40,100*							65
70	62.7	253.3	31,800*	65.4	255.5	35,600*	69.2	257.9	42,400				70
75	60.0	250.5	28,500*	62.7	252.9	31,800*	66.6	255.7	35,900				75
80	57.1	247.3	25,700*	59.9	250.1	28,500*	63.9	253.3	30,400	67.7	255.5	27,800	80
85	54.2	243.8	23,100*	57.1	246.9	25,700*	61.2	250.6	25,500	65.1	253.2	23,100	85
90	51.1	239.8	20,500*	54.1	243.3	23,300*	58.4	247.6	21,300	62.4	250.7	19,100	90
95	47.9	235.4	18,300*	51.1	239.4	19,700	55.5	244.2	17,600	59.6	247.8	15,500	95
100	44.6	230.4	16,400*	47.9	234.9	16,200	52.5	240.4	14,200	56.8	244.5	12,300	100
105	41.0	224.8	14,300	44.5	230.0	13,100	49.4	236.2	11,200	53.8	240.9	9,400	105
110	37.1	218.4	11,400	40.9	224.3	10,300	46.1	231.5	8,500	50.8	236.9	6,800	110
115	32.8	211.0	8,800	37.0	217.9	7,700	42.6	226.2	6,100	47.5	232.5	4,400	115
120	27.9	202.1	6,400	32.7	210.5	5,400							120
125	22.0	190.8	4,100										125

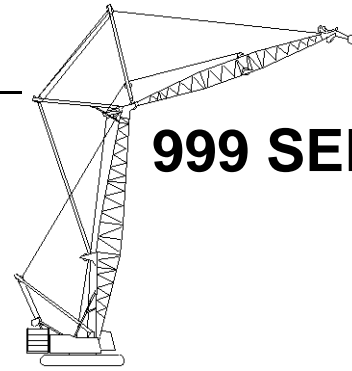
## 140 Ft. Boom, 240 Ft. Jib

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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		
50	74.5	272.3	50,100*										50
55	72.2	270.7	43,800*										55
60	69.8	268.9	38,400*	72.1	270.4	43,700*							60
65	67.4	266.9	34,000*	69.8	268.5	38,400*							65
70	65.0	264.6	30,200*	67.4	266.5	34,000*	70.8	268.6	40,700*				70
75	62.5	262.0	27,000*	64.9	264.2	30,200*	68.5	266.6	35,900*				75
80	60.0	259.1	24,100*	62.5	261.6	27,000*	66.1	264.4	30,500				80
85	57.4	256.0	21,700*	59.9	258.7	24,100*	63.6	262.0	25,700	67.1	264.2	23,100	85
90	54.7	252.5	19,500*	57.3	255.6	21,700*	61.1	259.3	21,500	64.7	261.9	19,100	90
95	51.9	248.6	17,600*	54.6	252.1	19,500*	58.5	256.2	17,800	62.2	259.3	15,500	95
100	49.0	244.4	15,900*	51.8	248.2	16,600	55.8	252.9	14,500	59.7	256.4	12,300	100
105	45.9	239.6	14,400*	48.9	243.9	13,500	53.1	249.2	11,500	57.0	253.2	9,500	105
110	42.7	234.3	12,000	45.8	239.2	10,700	50.2	245.1	8,800	54.3	249.7	6,900	110
115	39.3	228.4	9,400	42.6	233.9	8,200	47.3	240.6	6,400	51.5	245.8	4,600	115
120	35.5	221.6	7,000	39.2	227.9	5,900	44.1	235.5	4,200				120
125	31.4	213.8	4,800										125





# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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

## 150 Ft. Boom, 70 Ft. Jib

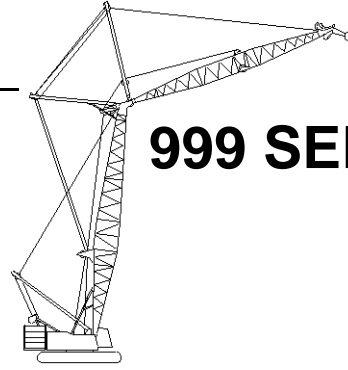
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	51.5	187.6	32,700*																40
45	40.9	182.3	26,000*	51.9	187.5	33,300*													45
50	26.7	173.9	21,300*	41.4	182.2	26,500*	57.1	188.9	39,100*b										50
55				27.5	174.0	21,600*	47.5	184.5	30,300*										55
60							36.0	178.3	24,400*	52.9	185.8	35,000*							60
65							18.1	167.0	20,000*	42.7	180.8	27,600*							65
70										29.4	173.1	22,400*	57.9	184.9	41,500*b				70
75													48.5	180.7	31,800*				75
80													37.2	174.7	25,400*				80
85													20.6	164.4	20,800*	53.2	178.8	36,400*	85
90																43.0	173.8	28,500*	90
95																29.9	166.2	23,100*	95

## 150 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	60.5	191.4	35,900*b																35
40	51.5	187.6	27,200*	60.9	191.2	36,800*b													40
45	40.9	182.3	21,600*	51.9	187.5	27,700*													45
50	26.7	173.9	17,500*	41.4	182.2	21,900*	57.1	188.9	32,700*										50
55				27.5	174.0	17,700*	47.5	184.5	25,100*	61.8	189.4	39,200*b							55
60							36.0	178.3	20,100*	52.9	185.8	29,200*							60
65							18.1	167.0	16,400*	42.7	180.8	22,900*							65
70										29.4	173.1	18,400*	57.9	184.9	34,600*				70
75													48.5	180.7	26,400*				75
80													37.2	174.7	20,900*				80
85													20.6	164.4	17,000*	53.2	178.8	30,300*	85
90																43.0	173.8	23,600*	90
95																29.9	166.2	19,000*	95



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 150 Ft. Boom, 90 Ft. Jib

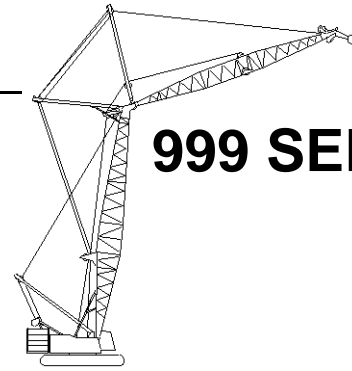
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	
	35	60.5	191.4	31,800*															
40	51.5	187.6	23,900*	60.9	191.2	32,500*b													40
45	40.9	182.3	18,800*	51.9	187.5	24,400*													45
50	26.7	173.9	15,100*	41.4	182.2	19,100*	57.1	188.9	28,800*										50
55				27.5	174.0	15,400*	47.5	184.5	22,100*	61.8	189.4	34,600*							55
60							36.0	178.3	17,500*	52.9	185.8	25,600*							60
65							18.1	167.0	14,100*	42.7	180.8	20,000*							65
70										29.4	173.1	16,000*	57.9	184.9	30,500*				70
75													48.5	180.7	23,100*				75
80													37.2	174.7	18,200*				80
85													20.6	164.4	14,700*	53.2	178.8	26,600*	85
90																43.0	173.8	20,600*	90
95																29.9	166.2	16,400*	95

### 150 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	
	35	67.0	202.8	46,200*															
40	60.4	200.1	34,800*	67.3	202.6	47,300*b													40
45	53.3	196.5	27,500*	60.7	199.9	35,500*													45
50	45.4	191.8	22,300*	53.6	196.3	27,900*	64.5	200.6	41,900*										50
55	36.1	185.5	18,500*	45.8	191.7	22,600*	57.7	197.6	32,100*	68.0	200.7	50,500*							55
60	23.5	175.8	15,500*	36.6	185.5	18,700*	50.3	193.6	25,600*	61.5	198.1	37,400*							60
65				24.2	176.0	15,700*	42.0	188.3	21,000*	54.5	194.6	29,200*							65
70							31.7	181.0	17,400*	46.7	190.1	23,500*							70
75							15.8	168.2	14,600*	37.7	184.1	19,400*	58.4	193.6	33,800*				75
80										25.9	175.2	16,200*	51.1	189.7	26,800*				80
85													42.8	184.6	21,800*				85
90													32.9	177.6	18,100*	54.7	187.6	30,100*	90
95													18.0	165.8	15,200*	47.0	183.2	24,300*	95
100																38.0	177.2	20,000*	100
105																26.3	168.4	16,700*	105



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 150 Ft. Boom, 110 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall		Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	68.7	194.1	41,900*b																	30
35	60.5	191.4	29,600*																	35
40	51.5	187.6	22,400*	69.1	193.9	43,100*b														40
45	40.9	182.3	17,800*	60.9	191.2	30,200*														45
50	26.7	173.9	14,400*	51.9	187.5	22,800*	65.6	191.9	36,800*											50
				41.4	182.2	18,000*	57.1	188.9	26,700*											
55				27.5	174.0	14,600*	47.5	184.5	20,600*	61.8	189.4	31,800*								55
60							36.0	178.3	16,500*	52.9	185.8	23,800*								60
65							18.1	167.0	13,500*	42.7	180.8	18,700*								65
70										29.4	173.1	15,100*	57.9	184.9	28,000*					70
75													48.5	180.7	21,500*					75
80													37.2	174.7	17,100*					80
85													20.6	164.4	13,900*	53.2	178.8	20,200		85
90																43.0	173.8	15,900		90
95																29.9	166.2	11,900		95

### 150 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall		Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
30	73.2	204.9	58,800*b																	30
35	67.0	202.8	41,200*																	35
40	60.4	200.1	31,100*	73.5	204.6	59,000*b														40
45	53.3	196.5	24,500*	67.3	202.6	42,100*														45
50	45.4	191.8	19,900*	60.7	199.9	31,600*	70.8	202.9	51,500*											50
				53.6	196.3	24,900*	64.5	200.6	37,100*											
55	36.1	185.5	16,500*	45.8	191.7	20,200*	57.7	197.6	28,600*	68.0	200.7	44,400*								55
60	23.5	175.8	13,800*	36.6	185.5	16,700*	50.3	193.6	22,800*	61.5	198.1	33,100*								60
65				42.0	188.3	18,600*	42.0	188.3	18,600*	54.5	194.6	25,900*								65
70				24.2	176.0	14,000*	31.7	181.0	15,500*	46.7	190.1	20,900*								70
75							15.8	168.2	13,000*	37.7	184.1	17,200*	58.4	193.6	29,800*					75
80										25.9	175.2	14,400*	51.1	189.7	23,700*					80
85													42.8	184.6	19,300*					85
90													32.9	177.6	16,000*					90
95													18.0	165.8	13,400*					95
100																54.7	187.6	16,900		100
105																47.0	183.2	13,400		105
																38.0	177.2	10,200		
																26.3	168.4	7,200		

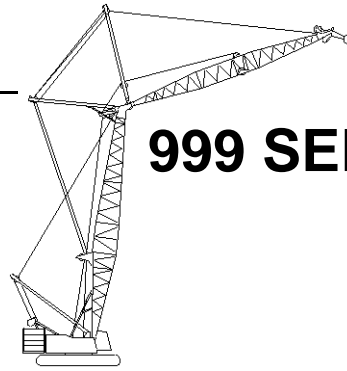


# Liftcrane Luffing Jib Intermediate Fall Capacities

New York City Code  
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

### 150 Ft. Boom, 130 Ft. Jib

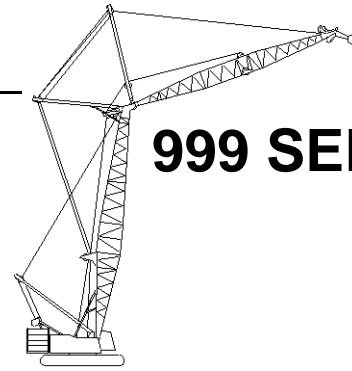
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	71.1	213.7	52,300*													35
40	65.8	211.5	39,500*	71.3	213.4	53,400*										40
45	60.3	208.7	31,200*	66.1	211.3	40,200*										45
50	54.5	205.3	25,400*	60.6	208.5	31,700*	69.0	211.7	47,200*							50
55	48.2	201.0	21,100*	54.8	205.1	25,700*	63.7	209.3	36,300*							55
60	41.1	195.5	17,800*	48.5	200.8	21,400*	58.1	206.2	29,100*	66.7	209.4	42,000*				60
65	32.6	188.3	15,100*	41.4	195.5	18,000*	52.1	202.5	23,800*	61.2	206.7	33,000*				65
70	21.2	177.6	13,000*	33.1	188.4	15,300*	45.5	197.8	19,900*	55.4	203.4	26,700*				70
75				21.9	177.8	13,100*	38.0	191.7	16,900*	49.2	199.2	22,100*				75
80							28.7	183.5	14,400*	42.2	194.0	18,600*	58.6	202.3	29,100	80
85							14.2	169.3	12,400*	34.1	187.1	15,800*	52.7	198.6	24,600	85
90										23.4	177.2	13,500*	46.1	194.0	20,600	90
95													38.7	188.1	17,100	95
100													29.7	180.2	13,800	100
105													16.2	167.1	10,500	105

### 150 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	73.9	224.3	59,000*													35
40	69.5	222.5	51,600*													40
45	65.0	220.2	40,800*	69.7	222.2	52,500*										45
50	60.3	217.4	33,300*	65.2	219.9	41,500*										50
55	55.3	214.0	27,700*	60.5	217.2	33,800*	67.8	220.4	47,500*							55
60	50.0	210.0	23,400*	55.6	213.8	28,100*	63.2	217.9	38,100*							60
65	44.3	205.0	20,100*	50.3	209.8	23,800*	58.4	214.9	31,300*	65.7	218.1	43,100*				65
70	37.7	198.9	17,300*	44.5	204.9	20,300*	53.3	211.3	26,300*	61.0	215.4	35,100*				70
75	30.0	191.0	15,000*	38.1	198.9	17,500*	47.8	206.9	22,300*	56.1	212.1	29,100*				75
80	19.5	179.2	13,100*	30.4	191.0	15,200*	41.8	201.6	19,200*	50.9	208.2	24,600*				80
85				20.1	179.5	13,300*	34.9	194.8	16,600*	45.2	203.4	21,000*	58.8	210.9	24,900	85
90							26.4	185.8	14,400*	38.8	197.5	18,100*	53.8	207.4	21,000	90
95							13.0	170.3	12,600*	31.3	189.9	15,700*	48.4	203.1	17,600	95
100										21.5	179.0	13,700*	42.4	197.8	14,600	100
105													35.6	191.3	11,800	105
110													27.3	182.5	9,200	110
115													14.8	168.2	6,600	115



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 150 Ft. Boom, 150 Ft. Jib

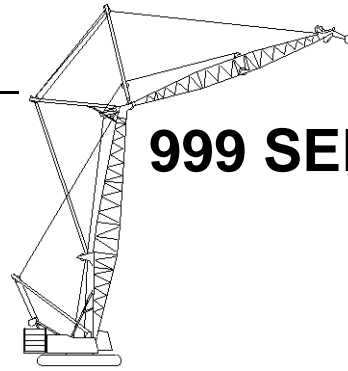
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	76.0	234.7	59,000*													35
40	72.2	233.1	59,000*													40
45	68.4	231.2	49,500*	72.4	232.9	59,000*										45
50	64.4	228.8	40,500*	68.5	230.9	50,200*										50
55	60.3	226.1	33,900*	64.6	228.6	41,100*	70.7	231.2	57,100*							55
60	55.9	222.8	28,800*	60.4	225.8	34,400*	66.8	229.1	46,200*							60
65	51.4	218.9	24,800*	56.1	222.6	29,300*	62.8	226.6	38,300*							65
70	46.5	214.3	21,600*	51.6	218.7	25,200*	58.6	223.6	32,300*	65.0	226.7	42,600*				70
75	41.2	208.8	18,900*	46.7	214.1	21,900*	54.2	220.1	27,600*	60.9	224.0	35,600*				75
80	35.1	202.0	16,600*	41.4	208.7	19,100*	49.5	215.9	23,900*	56.6	220.8	30,300*				80
85	27.9	193.4	14,700*	35.4	202.0	16,800*	44.5	211.0	20,800*	52.1	217.0	26,000*				85
90	18.1	180.7	13,000*	28.3	193.5	14,900*	38.9	205.1	18,200*	47.3	212.5	22,600*	59.0	219.6	21,800	90
95				18.6	181.0	13,200*	32.5	197.7	16,100*	42.0	207.2	19,800*	54.6	216.1	18,400	95
100							24.5	187.9	14,200*	36.1	200.7	17,400*	50.0	212.1	15,500	100
105							12.0	171.2	12,700*	29.1	192.4	15,400*	45.0	207.2	12,800	105
110										19.9	180.6	13,200	39.4	201.4	10,300	110
115													33.1	194.2	8,100	115
120													25.4	184.7	6,000	120

### 150 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	74.3	243.7	59,000*													40
45	70.9	242.0	59,000*													45
50	67.4	239.9	51,000*	71.0	241.7	59,000*										50
55	63.9	237.5	43,400*	67.6	239.7	51,900*										55
60	60.2	234.7	37,400*	64.1	237.3	44,100*	69.5	240.0	58,100*							60
65	56.4	231.5	32,200*	60.4	234.5	37,900*	66.1	237.8	48,800*							65
70	52.4	227.7	28,100*	56.6	231.3	32,700*	62.5	235.2	41,700*	68.0	237.8	45,800				70
75	48.2	223.3	24,700*	52.6	227.5	28,500*	58.7	232.3	35,800*	64.5	235.4	39,800				75
80	43.6	218.3	21,800*	48.4	223.2	25,000*	54.9	228.8	31,100*	60.8	232.7	34,500				80
85	38.6	212.2	19,300*	43.8	218.2	22,100*	50.8	224.8	27,200*	57.0	229.5	30,000				85
90	33.0	205.0	17,200*	38.9	212.2	19,600*	46.4	220.2	24,000*	53.1	225.8	26,000	62.8	231.2	21,600	90
95	26.2	195.6	15,400*	33.2	205.0	17,500*	41.7	214.8	21,200*	48.9	221.6	22,400	59.1	228.3	18,300	95
100	16.9	182.1	13,900*	26.5	195.8	15,700*	36.5	208.3	18,900*	44.4	216.6	19,300	55.2	224.9	15,400	100
105				17.5	182.5	14,100*	30.5	200.4	16,900*	39.4	210.8	16,400	51.2	220.9	12,800	105
110							23.0	189.8	15,100*	33.9	203.7	13,800	46.9	216.4	10,400	110
115							11.2	172.1	12,900	27.4	194.8	11,400	42.2	211.1	8,300	115
120										18.7	182.2	9,100	37.0	204.7	6,300	120
125													31.1	196.9	4,500	125



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 150 Ft. Boom, 170 Ft. Jib

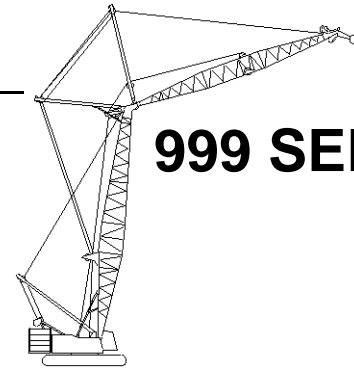
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	76.0	234.7	59,000*													35
40	72.2	233.1	57,400*													40
45	68.4	231.2	45,700*	72.4	232.9	58,200*										45
50	64.4	228.8	37,400*	68.5	230.9	46,400*										50
55	60.3	226.1	31,300*	64.6	228.6	38,000*	70.7	231.2	52,800*							55
60	55.9	222.8	26,600*	60.4	225.8	31,800*	66.8	229.1	42,700*							60
65	51.4	218.9	22,900*	56.1	222.6	27,000*	62.8	226.6	35,300*							65
70	46.5	214.3	19,800*	51.6	218.7	23,200*	58.6	223.6	29,800*	65.0	226.7	39,300*				70
75	41.2	208.8	17,300*	46.7	214.1	20,100*	54.2	220.1	25,500*	60.9	224.0	32,900*				75
80	35.1	202.0	15,200*	41.4	208.7	17,600*	49.5	215.9	22,000*	56.6	220.8	28,000*				80
85	27.9	193.4	13,500*	35.4	202.0	15,500*	44.5	211.0	19,200*	52.1	217.0	24,000*				85
90	18.1	180.7	12,000*	28.3	193.5	13,600*	38.9	205.1	16,800*	47.3	212.5	20,700	59.0	219.6	17,400	90
95				18.6	181.0	12,100*	32.5	197.7	14,800*	42.0	207.2	17,000	54.6	216.1	13,900	95
100							24.5	187.9	13,100*	36.1	200.7	13,700	50.0	212.1	10,900	100
105							12.0	171.2	11,600	29.1	192.4	10,600	45.0	207.2	8,100	105
110										19.9	180.6	7,800	39.4	201.4	5,500	110

### 150 Ft. Boom, 180 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.3	243.7	59,000*													40
45	70.9	242.0	58,000*													45
50	67.4	239.9	47,700*	71.0	241.7	58,700*										50
55	63.9	237.5	40,100*	67.6	239.7	48,400*										55
60	60.2	234.7	34,200*	64.1	237.3	40,600*	69.5	240.0	54,000*							60
65	56.4	231.5	29,500*	60.4	234.5	34,700*	66.1	237.8	45,000*							65
70	52.4	227.7	25,600*	56.6	231.3	29,900*	62.5	235.2	38,200*	68.0	237.8	41,600				70
75	48.2	223.3	22,500*	52.6	227.5	26,000*	58.7	232.3	32,800*	64.5	235.4	35,400				75
80	43.6	218.3	19,800*	48.4	223.2	22,800*	54.9	228.8	28,400*	60.8	232.7	30,000				80
85	38.6	212.2	17,600*	43.8	218.2	20,100*	50.8	224.8	24,900*	57.0	229.5	25,300				85
90	33.0	205.0	15,600*	38.9	212.2	17,900*	46.4	220.2	21,900*	53.1	225.8	21,300	62.8	231.2	17,500	90
95	26.2	195.6	14,000*	33.2	205.0	15,900*	41.7	214.8	19,400*	48.9	221.6	17,600	59.1	228.3	14,100	95
100	16.9	182.1	12,600*	26.5	195.8	14,200*	36.5	208.3	16,300	44.4	216.6	14,400	55.2	224.9	11,100	100
105				17.5	182.5	12,700*	30.5	200.4	13,200	39.4	210.8	11,500	51.2	220.9	8,400	105
110							23.0	189.8	10,400	33.9	203.7	8,800	46.9	216.4	5,900	110
115							11.2	172.1	7,500	27.4	194.8	6,300				115
120										18.7	182.2	4,000				120



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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

## 150 Ft. Boom, 190 Ft. Jib

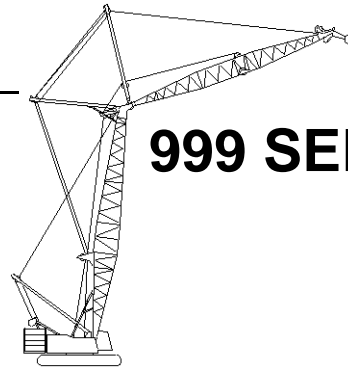
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	76.0	234.7	59,000*										35
40	72.2	233.1	53,100*										40
45	68.4	231.2	42,300*	72.4	232.9	53,900*							45
50	64.4	228.8	34,600*	68.5	230.9	42,900*							50
55	60.3	226.1	29,000*	64.6	228.6	35,200*	70.7	231.2	48,900*				55
60	55.9	222.8	24,600*	60.4	225.8	29,400*	66.8	229.1	39,500*				60
65	51.4	218.9	21,100*	56.1	222.6	24,900*	62.8	226.6	32,700*				65
70	46.5	214.3	18,300*	51.6	218.7	21,400*	58.6	223.6	27,600*	65.0	226.7	36,400*	70
75	41.2	208.8	15,900*	46.7	214.1	18,500*	54.2	220.1	23,500*	60.9	224.0	30,500*	75
80	35.1	202.0	14,000*	41.4	208.7	16,200*	49.5	215.9	20,300*	56.6	220.8	25,100	80
85	27.9	193.4	12,300*	35.4	202.0	14,200*	44.5	211.0	17,700*	52.1	217.0	20,200	85
90	18.1	180.7	10,900*	28.3	193.5	12,500*	38.9	205.1	15,400*	47.3	212.5	15,900	90
95				18.6	181.0	11,100*	32.5	197.7	13,400	42.0	207.2	12,100	95
100							24.5	187.9	9,700	36.1	200.7	8,600	100
105							12.0	171.2	6,100	29.1	192.4	5,500	105

## 150 Ft. Boom, 200 Ft. 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 Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.3	243.7	59,000*										40
45	70.9	242.0	53,400*										45
50	67.4	239.9	43,900*	71.0	241.7	54,100*							50
55	63.9	237.5	36,800*	67.6	239.7	44,500*							55
60	60.2	234.7	31,400*	64.1	237.3	37,400*	69.5	240.0	49,800*				60
65	56.4	231.5	27,000*	60.4	234.5	31,900*	66.1	237.8	41,500*				65
70	52.4	227.7	23,500*	56.6	231.3	27,500*	62.5	235.2	35,100*	68.0	237.8	37,600	70
75	48.2	223.3	20,600*	52.6	227.5	23,900*	58.7	232.3	30,100*	64.5	235.4	31,200	75
80	43.6	218.3	18,100*	48.4	223.2	20,900*	54.9	228.8	26,100*	60.8	232.7	25,800	80
85	38.6	212.2	16,000*	43.8	218.2	18,400*	50.8	224.8	22,800*	57.0	229.5	21,000	85
90	33.0	205.0	14,300*	38.9	212.2	16,300*	46.4	220.2	18,600	53.1	225.8	16,800	90
95	26.2	195.6	12,700*	33.2	205.0	14,500*	41.7	214.8	14,800	48.9	221.6	13,100	95
100	16.9	182.1	11,400*	26.5	195.8	12,800	36.5	208.3	11,300	44.4	216.6	9,800	100
105				17.5	182.5	9,400	30.5	200.4	8,200	39.4	210.8	6,700	105
110							23.0	189.8	5,200	33.9	203.7	4,000	110



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 150 Ft. Boom, 210 Ft. 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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	75.9	254.1	59,000*										40
45	72.9	252.6	58,800*										45
50	69.8	250.8	50,400*	73.0	252.3	59,000*							50
55	66.7	248.6	43,100*	70.0	250.5	50,900*							55
60	63.5	246.2	36,900*	66.8	248.4	43,700*							60
65	60.2	243.4	31,900*	63.6	245.9	37,400*	68.6	248.7	47,800*				65
70	56.8	240.2	27,800*	60.4	243.2	32,400*	65.5	246.5	41,000				70
75	53.2	236.5	24,400*	56.9	240.0	28,300*	62.2	243.9	34,400	67.2	246.5	31,800	75
80	49.5	232.3	21,600*	53.4	236.3	24,900*	58.9	240.9	28,800	64.0	244.1	26,400	80
85	45.5	227.5	19,200*	49.6	232.2	22,000*	55.4	237.5	24,000	60.7	241.3	21,700	85
90	41.2	222.0	17,100*	45.7	227.4	19,500*	51.8	233.7	19,700	57.3	238.2	17,600	90
95	36.5	215.5	15,300*	41.4	221.9	17,400*	47.9	229.3	15,900	53.8	234.6	13,900	95
100	31.2	207.7	13,700*	36.7	215.5	14,300	43.8	224.2	12,500	50.1	230.5	10,600	100
105	24.8	197.8	12,100	31.4	207.7	11,100	39.4	218.4	9,400	46.1	225.8	7,700	105
110	16.0	183.4	9,000	25.1	197.9	8,100	34.5	211.4	6,600	41.9	220.4	5,100	110
115				16.5	183.9	5,400	28.8	202.9	4,100				115

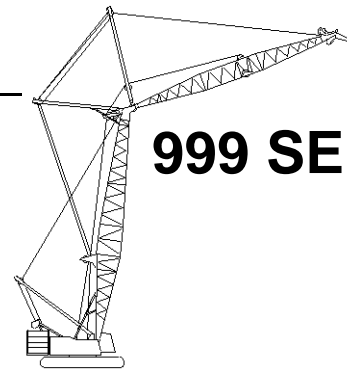
### 150 Ft. Boom, 220 Ft. Jib

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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	74.5	263.0	57,200*										45
50	71.8	261.4	48,800*										50
55	69.0	259.5	42,100*	71.9	261.1	49,200*							55
60	66.1	257.3	36,800*	69.1	259.3	42,500*							60
65	63.2	254.8	32,400*	66.2	257.1	37,100*	70.7	259.5	46,200*				65
70	60.2	252.0	28,700*	63.3	254.6	32,700*	67.8	257.5	40,100*				70
75	57.1	248.8	25,200*	60.3	251.8	28,900*	65.0	255.2	34,800				75
80	53.9	245.3	22,100*	57.2	248.6	25,700*	62.0	252.6	29,300	66.6	255.2	26,600	80
85	50.5	241.2	19,500*	54.0	245.1	22,500*	59.0	249.6	24,400	63.6	252.8	21,900	85
90	47.0	236.7	17,200*	50.7	241.1	19,900*	55.8	246.3	20,200	60.7	250.0	17,800	90
95	43.2	231.5	15,200*	47.1	236.5	17,500*	52.6	242.5	16,500	57.6	246.9	14,200	95
100	39.2	225.5	13,500*	43.4	231.4	15,200	49.1	238.3	13,100	54.4	243.4	11,000	100
105	34.7	218.6	11,900*	39.3	225.5	12,000	45.5	233.5	10,100	51.0	239.4	8,200	105
110	29.6	210.3	10,300	34.9	218.6	9,200	41.7	228.0	7,400	47.5	234.9	5,600	110
115	23.5	199.8	7,600	29.9	210.4	6,600	37.4	221.7	4,900				115
120	15.2	184.6	5,000	23.8	200.0	4,100							120





# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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

## 150 Ft. Boom, 230 Ft. Jib

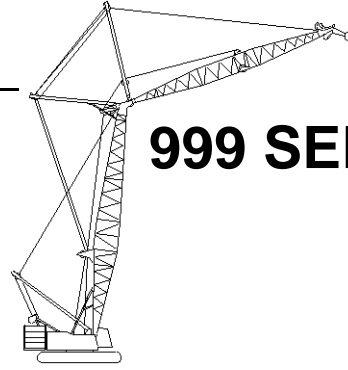
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	75.8	273.4	59,000*										45
50	73.3	272.0	52,700*										50
55	70.8	270.2	46,100*	73.4	271.7	53,200*							55
60	68.2	268.3	40,600*	70.9	270.0	46,500*							60
65	65.6	266.0	36,000*	68.3	268.0	40,900*							65
70	62.9	263.5	32,100*	65.7	265.8	36,300*	69.8	268.3	41,900				70
75	60.2	260.7	28,800*	63.0	263.3	32,400*	67.2	266.2	35,400				75
80	57.3	257.5	26,000*	60.3	260.5	29,000*	64.6	263.9	29,900				80
85	54.4	254.0	23,100*	57.5	257.3	26,200*	61.8	261.2	25,100	66.0	263.9	22,400	85
90	51.4	250.1	20,600*	54.5	253.8	23,400	59.1	258.3	20,900	63.3	261.4	18,400	90
95	48.2	245.7	18,400*	51.5	249.9	19,500	56.2	255.0	17,200	60.6	258.7	14,900	95
100	44.8	240.8	16,400*	48.3	245.6	16,100	53.2	251.3	13,900	57.8	255.5	11,700	100
105	41.2	235.2	14,400	45.0	240.7	13,000	50.1	247.2	10,900	54.9	252.1	8,800	105
110	37.4	228.9	11,500	41.4	235.1	10,200	46.9	242.6	8,200	51.8	248.2	6,300	110
115	33.1	221.5	8,800	37.6	228.9	7,600	43.4	237.5	5,800				115
120	28.3	212.8	6,400	33.3	221.6	5,300							120
125	22.5	201.7	4,100										125

## 150 Ft. Boom, 240 Ft. 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 Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
50	74.7	282.4	50,400*										50
55	72.3	280.8	44,100*										55
60	70.0	279.0	38,800*	72.4	280.6	44,500*							60
65	67.6	277.0	34,300*	70.1	278.8	39,100*							65
70	65.2	274.7	30,500*	67.7	276.8	34,600*							70
75	62.7	272.2	27,200*	65.3	274.5	30,700*	69.1	277.1	35,500				75
80	60.2	269.3	24,400*	62.8	271.9	27,400*	66.7	274.9	30,000				80
85	57.5	266.2	21,900*	60.3	269.1	24,600*	64.2	272.5	25,300	68.0	274.8	22,400	85
90	54.9	262.7	19,700*	57.7	266.0	22,100*	61.7	269.9	21,100	65.6	272.6	18,400	90
95	52.1	258.9	17,800*	55.0	262.6	19,900	59.1	266.9	17,400	63.1	270.1	14,900	95
100	49.2	254.7	16,000*	52.2	258.7	16,500	56.5	263.7	14,100	60.6	267.3	11,700	100
105	46.1	250.0	14,500*	49.3	254.5	13,400	53.8	260.1	11,200	58.0	264.2	8,900	105
110	42.9	244.7	12,000	46.3	249.8	10,600	50.9	256.1	8,500	55.3	260.8	6,400	110
115	39.5	238.8	9,400	43.1	244.6	8,100	48.0	251.7	6,100	52.5	257.0	4,100	115
120	35.8	232.1	7,000	39.7	238.7	5,800							120
125	31.7	224.4	4,800										125



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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, 70 Ft. Jib

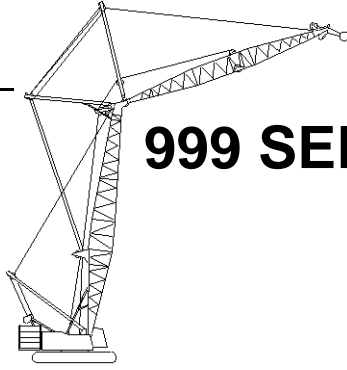
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	52.1	197.9	33,400*																40
45	41.7	192.7	26,600*	53.2	198.1	34,700*													45
50	27.9	184.6	21,700*	43.0	193.1	27,400*													50
55				29.8	185.5	22,300*	50.0	195.7	32,400*										55
60							39.1	190.0	25,800*	56.2	197.0	39,000*b							60
65							23.8	180.7	21,100*	46.5	192.6	30,200*							65
70										34.6	186.0	24,300*							70
75													53.6	192.7	36,800*				75
80													43.4	187.8	28,800*				80
85													30.4	180.3	23,300*				85
90																50.2	186.8	34,200*	90
95																39.3	181.2	27,000*	95
100																24.2	172.1	22,000*	100

## 160 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	61.1	201.6	37,000*b																35
40	52.1	197.9	27,900*	62.1	201.6	38,800*b													40
45	41.7	192.7	22,000*	53.2	198.1	29,000*													45
50	27.9	184.6	17,800*	43.0	193.1	22,700*	59.2	199.6	35,500*										50
55				29.8	185.5	18,300*	50.0	195.7	26,900*										55
60							39.1	190.0	21,300*	56.2	197.0	32,500*							60
65							23.8	180.7	17,300*	46.5	192.6	25,000*							65
70										34.6	186.0	20,000*							70
75													62.4	196.2	41,700*b				75
80													53.6	192.7	30,600*				80
85													43.4	187.8	23,800*				85
90													30.4	180.3	19,100*				90
95																50.2	186.8	28,300*	95
100																39.3	181.2	22,300*	100
																24.2	172.1	18,000*	



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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, 90 Ft. Jib

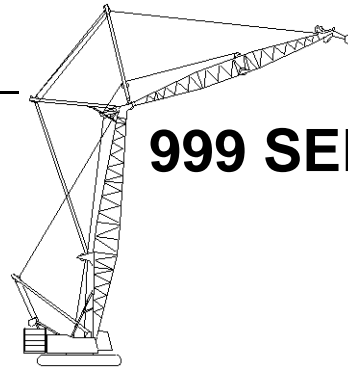
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	61.1	201.6	32,700*																35
40	52.1	197.9	24,500*	62.1	201.6	34,300*b													40
45	41.7	192.7	19,200*	53.2	198.1	25,500*													45
50	27.9	184.6	15,400*	43.0	193.1	19,900*	59.2	199.6	31,300*										50
55				29.8	185.5	15,900*	50.0	195.7	23,600*	64.7	200.2	39,800*b							55
60							39.1	190.0	18,600*	56.2	197.0	28,600*							60
65							23.8	180.7	15,000*	46.5	192.6	21,900*							65
70										34.6	186.0	17,400*	62.4	196.2	36,800*				70
75													53.6	192.7	26,900*				75
80													43.4	187.8	20,800*				80
85													30.4	180.3	16,600*				85
90																50.2	186.8	24,800*	90
95																39.3	181.2	19,400*	95
100																24.2	172.1	15,600*	100

### 160 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	67.4	213.0	47,600*																35
40	60.9	210.3	35,600*	68.2	212.9	50,100*b													40
45	53.8	206.8	28,000*	61.7	210.3	37,100*													45
50	46.0	202.2	22,700*	54.7	206.9	29,000*	66.0	211.2	45,700*										50
55	36.8	196.0	18,800*	46.9	202.4	23,400*	59.4	208.3	34,500*										55
60	24.6	186.7	15,700*	38.0	196.4	19,300*	52.2	204.6	27,200*	63.8	208.9	41,800*							60
65				26.3	187.7	16,100*	44.1	199.7	22,100*	57.0	205.8	32,000*							65
70							34.5	193.0	18,300*	49.5	201.7	25,500*							70
75							20.9	182.4	15,400*	41.0	196.3	20,900*	61.9	204.9	36,600				75
80										30.5	188.7	17,400*	54.9	201.5	30,500*				80
85													47.2	197.1	24,500*				85
90													38.3	191.2	20,100*				90
95													26.8	182.6	16,800*				95
100																52.3	195.7	16,500	100
105																44.3	190.9	13,600	105
110																34.7	184.2	11,000	110
																21.3	173.8	8,400	110



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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, 110 Ft. Jib

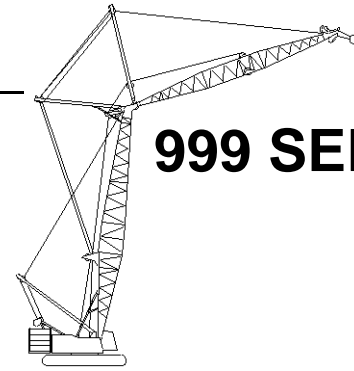
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	61.1	201.6	30,400*																35
40	52.1	197.9	22,900*	62.1	201.6	31,800*													40
45	41.7	192.7	18,100*	53.2	198.1	23,800*	67.5	202.5	40,800*										45
50	27.9	184.6	14,700*	43.0	193.1	18,700*	59.2	199.6	28,900*										50
55				29.8	185.5	15,100*	50.0	195.7	22,000*	64.7	200.2	36,200*							55
60							39.1	190.0	17,500*	56.2	197.0	26,400*							60
65							23.8	180.7	14,200*	46.5	192.6	20,400*							65
70										34.6	186.0	16,300*	62.4	196.2	33,400*				70
75													53.6	192.7	24,700*				75
80													43.4	187.8	19,300*				80
85													30.4	180.3	15,600*				85
90																50.2	186.8	15,300	90
95																39.3	181.2	11,500	95
100																24.2	172.1	7,900	100

### 160 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet			
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall					
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	67.4	213.0	42,300*																35
40	60.9	210.3	31,800*	68.2	212.9	44,300*													40
45	53.8	206.8	25,000*	61.7	210.3	33,000*													45
50	46.0	202.2	20,200*	54.7	206.9	25,800*	66.0	211.2	40,300*										50
55	36.8	196.0	16,700*	46.9	202.4	20,800*	59.4	208.3	30,500*										55
60	24.6	186.7	14,000*	38.0	196.4	17,200*	52.2	204.6	24,200*	63.8	208.9	36,800*							60
65				26.3	187.7	14,300*	44.1	199.7	19,600*	57.0	205.8	28,300*							65
70							34.5	193.0	16,300*	49.5	201.7	22,600*							70
75							20.9	182.4	13,600*	41.0	196.3	18,500*	61.9	204.9	32,700				75
80										30.5	188.7	15,400*	54.9	201.5	26,800*				80
85													47.2	197.1	21,600*				85
90													38.3	191.2	17,800*				90
95													26.8	182.6	14,700				95



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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, 130 Ft. Jib

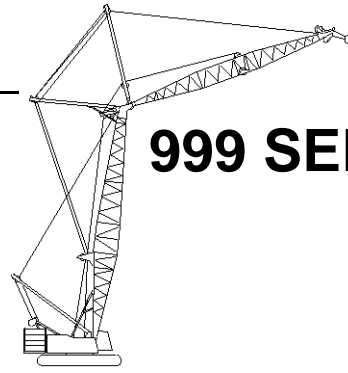
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	71.4	223.8	53,800*													35
40	66.2	221.7	40,400*	72.0	223.7	56,300*										40
45	60.7	218.9	31,800*	66.8	221.6	41,900*										45
50	54.9	215.5	25,800*	61.4	218.9	32,800*	70.3	222.1	51,200*							50
55	48.6	211.3	21,400*	55.6	215.6	26,600*	65.0	219.8	38,800*							55
60	41.6	206.0	18,000*	49.4	211.5	22,000*	59.5	217.0	30,800*							60
65	33.3	198.9	15,300*	42.4	206.3	18,500*	53.6	213.4	25,100*	63.1	217.6	36,000*				65
70	22.2	188.5	13,200*	34.3	199.5	15,700*	47.2	208.9	20,900*	57.5	214.5	28,800*				70
75				23.7	189.7	13,400*	39.9	203.3	17,600*	51.4	210.6	23,700*				75
80							31.2	195.7	15,000*	44.8	205.8	19,800*	61.6	213.5	28,200	80
85							18.9	184.0	12,900*	37.1	199.6	16,800*	55.8	210.2	23,800	85
90										27.6	191.0	14,300*	49.6	206.1	19,900	90
95													42.7	201.0	16,400	95
100													34.7	194.3	13,200	100
105													24.2	184.6	10,200	105

### 160 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	74.2	234.4	59,000*													35
40	69.8	232.6	52,900*													40
45	65.3	230.3	41,600*	70.3	232.4	54,800*										45
50	60.6	227.6	33,900*	65.8	230.3	43,100*										50
55	55.7	224.3	28,100*	61.2	227.6	34,900*	68.9	230.8	50,800*							55
60	50.4	220.3	23,800*	56.3	224.3	28,900*	64.3	228.5	40,400*							60
65	44.7	215.4	20,300*	51.0	220.4	24,400*	59.6	225.6	33,000*	67.3	228.7	47,100*				65
70	38.2	209.4	17,500*	45.4	215.6	20,800*	54.6	222.2	27,500*	62.7	226.2	37,800*				70
75	30.6	201.6	15,200*	39.0	209.8	17,900*	49.2	218.0	23,300*	57.9	223.1	31,200*				75
80	20.4	190.2	13,200*	31.6	202.2	15,500*	43.3	212.9	20,000*	52.8	219.5	26,200*				80
85				21.8	191.5	13,500*	36.7	206.6	17,200*	47.2	215.0	22,300*	61.3	222.2	23,900	85
90							28.7	198.2	15,000*	41.1	209.5	19,100*	56.5	219.0	20,100	90
95							17.3	185.4	13,100*	34.1	202.6	16,500*	51.2	215.1	16,800	95
100										25.3	193.2	14,400*	45.6	210.3	13,800	100
105													39.3	204.5	11,100	105
110													31.9	197.1	8,500	110
115													22.2	186.5	6,100	115



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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, 150 Ft. Jib

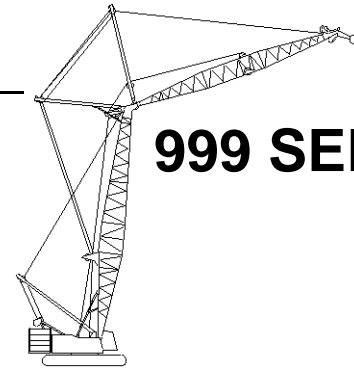
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	72.5	243.3	59,000*													40
45	68.6	241.3	50,400*	72.9	243.1	59,000*										45
50	64.7	239.0	41,200*	69.1	241.2	52,000*										50
55	60.5	236.3	34,400*	65.1	238.9	42,400*										55
60	56.3	233.0	29,200*	61.0	236.2	35,400*	67.8	239.6	48,800*							60
65	51.7	229.1	25,100*	56.8	233.0	30,000*	63.8	237.2	40,200*							65
70	46.9	224.6	21,800*	52.2	229.3	25,700*	59.6	234.3	33,700*	66.4	237.4	45,100				70
75	41.5	219.2	19,000*	47.4	224.8	22,300*	55.3	230.9	28,700*	62.4	234.9	38,100*				75
80	35.6	212.6	16,700*	42.2	219.5	19,500*	50.7	226.9	24,800*	58.1	231.8	32,200*				80
85	28.5	204.1	14,800*	36.3	213.0	17,100*	45.7	222.2	21,500*	53.7	228.2	27,500*				85
90	18.9	191.8	13,100*	29.4	204.8	15,100*	40.3	216.6	18,900*	49.0	224.0	23,800*	61.2	230.8	20,800	90
95				20.3	193.2	13,400*	34.1	209.6	16,600*	43.9	219.0	20,800*	56.9	227.7	17,500	95
100							26.7	200.5	14,700*	38.3	213.0	18,200*	52.4	223.9	14,600	100
105							16.1	186.7	13,000*	31.7	205.4	15,500	47.6	219.5	12,000	105
110										23.6	195.2	12,800	42.4	214.2	9,600	110
115													36.5	207.8	7,400	115
120													29.6	199.6	5,400	120

### 160 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		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	51,700*	71.5	251.9	59,000*										50
55	64.1	247.7	43,900*	68.1	249.9	53,300*										55
60	60.5	244.9	37,800*	64.6	247.6	45,200*	70.4	250.4	59,000*							60
65	56.7	241.7	32,600*	60.9	244.9	38,800*	66.9	248.3	51,100*							65
70	52.7	238.0	28,400*	57.1	241.7	33,400*	63.3	245.8	43,500*							70
75	48.5	233.7	24,900*	53.2	238.1	29,100*	59.7	243.0	37,300*	65.7	246.1	38,900				75
80	43.9	228.6	22,000*	49.0	233.8	25,500*	55.8	239.6	32,300*	62.1	243.5	33,800				80
85	39.0	222.7	19,500*	44.5	228.9	22,500*	51.8	235.8	28,200*	58.4	240.5	29,300				85
90	33.4	215.5	17,400*	39.6	223.1	20,000*	47.5	231.3	24,800*	54.5	237.0	25,300				90
95	26.7	206.4	15,500*	34.1	216.0	17,800*	42.9	226.1	21,900*	50.3	233.0	21,800	61.0	239.5	17,300	95
100	17.7	193.3	14,000*	27.6	207.2	15,900*	37.8	219.9	19,500*	46.0	228.3	18,700	57.3	236.4	14,500	100
105				19.0	194.8	14,300*	32.0	212.4	17,400*	41.2	222.8	15,900	53.3	232.7	11,900	105
110							25.0	202.7	15,400	35.9	216.2	13,300	49.1	228.5	9,600	110
115							15.0	187.9	12,800	29.8	208.0	10,900	44.7	223.6	7,500	115
120										22.1	197.1	8,700	39.8	217.8	5,600	120



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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. Jib

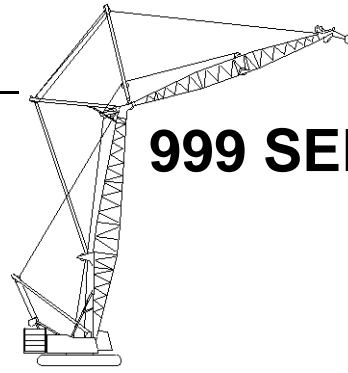
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		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	40,700				70
75	41.5	219.2	17,500*	47.4	224.8	20,600*	55.3	230.9	26,600*	62.4	234.9	34,400				75
80	35.6	212.6	15,400*	42.2	219.5	17,900*	50.7	226.9	22,900*	58.1	231.8	29,000				80
85	28.5	204.1	13,600*	36.3	213.0	15,700*	45.7	222.2	19,900*	53.7	228.2	24,300				85
90	18.9	191.8	12,000*	29.4	204.8	13,900*	40.3	216.6	17,400*	49.0	224.0	20,200	61.2	230.8	16,600	90
95				20.3	193.2	12,300*	34.1	209.6	15,300*	43.9	219.0	16,500	56.9	227.7	13,200	95
100							26.7	200.5	13,500*	38.3	213.0	13,200	52.4	223.9	10,100	100
105							16.1	186.7	11,600	31.7	205.4	10,200	47.6	219.5	7,400	105
110										23.6	195.2	7,400	42.4	214.2	4,900	110

### 160 Ft. Boom, 180 Ft. 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 Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	34,600	75
80	43.9	228.6	20,000*	49.0	233.8	23,300*	55.8	239.6	29,500*	62.1	243.5	29,300	80
85	39.0	222.7	17,700*	44.5	228.9	20,500*	51.8	235.8	25,700*	58.4	240.5	24,700	85
90	33.4	215.5	15,700*	39.6	223.1	18,200*	47.5	231.3	22,600*	54.5	237.0	20,700	90
95	26.7	206.4	14,100*	34.1	216.0	16,100*	42.9	226.1	19,400	50.3	233.0	17,100	95
100	17.7	193.3	12,600*	27.6	207.2	14,400*	37.8	219.9	16,000	46.0	228.3	13,900	100
105				19.0	194.8	12,900*	32.0	212.4	13,000	41.2	222.8	11,000	105
110							25.0	202.7	10,100	35.9	216.2	8,400	110
115							15.0	187.9	7,400	29.8	208.0	5,900	115



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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, 190 Ft. 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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	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	36,500	70
75	41.5	219.2	16,100*	47.4	224.8	18,900*	55.3	230.9	24,500*	62.4	234.9	30,100	75
80	35.6	212.6	14,100*	42.2	219.5	16,500*	50.7	226.9	21,100*	58.1	231.8	24,600	80
85	28.5	204.1	12,400*	36.3	213.0	14,500*	45.7	222.2	18,300*	53.7	228.2	19,700	85
90	18.9	191.8	11,000*	29.4	204.8	12,700*	40.3	216.6	16,000*	49.0	224.0	15,500	90
95				20.3	193.2	11,300*	34.1	209.6	13,200	43.9	219.0	11,700	95
100							26.7	200.5	9,600	38.3	213.0	8,300	100
105							16.1	186.7	6,100	31.7	205.4	5,200	105

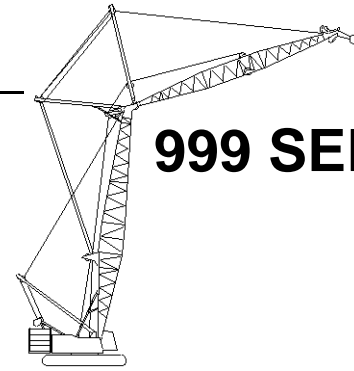
### 160 Ft. Boom, 200 Ft. Jib

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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	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	30,600	75
80	43.9	228.6	18,300*	49.0	233.8	21,300*	55.8	239.6	27,100*	62.1	243.5	25,200	80
85	39.0	222.7	16,200*	44.5	228.9	18,800*	51.8	235.8	22,700	58.4	240.5	20,500	85
90	33.4	215.5	14,300*	39.6	223.1	16,600*	47.5	231.3	18,300	54.5	237.0	16,300	90
95	26.7	206.4	12,800*	34.1	216.0	14,700*	42.9	226.1	14,500	50.3	233.0	12,600	95
100	17.7	193.3	11,500*	27.6	207.2	12,700	37.8	219.9	11,100	46.0	228.3	9,300	100
105				19.0	194.8	9,300	32.0	212.4	7,900	41.2	222.8	6,400	105
110							25.0	202.7	5,100				110





# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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, 210 Ft. Jib

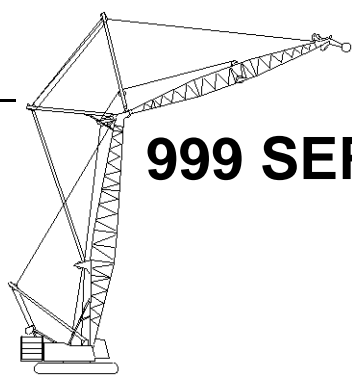
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		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	48,200				65
70	57.0	250.4	28,100*	60.8	253.5	33,100*	66.2	257.0	40,500				70
75	53.5	246.8	24,600*	57.4	250.4	28,800*	63.0	254.5	34,000				75
80	49.7	242.6	21,800*	53.9	246.8	25,300*	59.7	251.6	28,400	65.1	254.8	25,700	80
85	45.8	237.9	19,300*	50.2	242.8	22,400*	56.3	248.3	23,600	61.9	252.2	21,100	85
90	41.5	232.4	17,200*	46.2	238.1	19,800*	52.7	244.6	19,300	58.5	249.2	17,000	90
95	36.8	226.0	15,400*	42.0	232.7	17,700	48.9	240.3	15,600	55.0	245.7	13,400	95
100	31.6	218.3	13,800*	37.4	226.4	14,200	44.9	235.5	12,200	51.4	241.8	10,200	100
105	25.3	208.6	12,100	32.2	218.9	11,000	40.5	229.8	9,200	47.5	237.4	7,300	105
110	16.8	194.7	9,000	26.1	209.4	8,100	35.7	223.1	6,400	43.4	232.2	4,600	110
115				17.9	196.3	5,300							115

## 160 Ft. Boom, 220 Ft. 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 Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	74.7	273.1	57,900*										45
50	71.9	271.5	49,400*										50
55	69.2	269.7	42,700*	72.3	271.4	50,400*							55
60	66.3	267.5	37,300*	69.5	269.5	43,500*							60
65	63.4	265.0	32,800*	66.6	267.4	37,900*							65
70	60.4	262.2	29,100*	63.7	265.0	33,400*	68.5	267.9	40,800				70
75	57.3	259.1	25,500*	60.7	262.2	29,500*	65.7	265.7	34,400				75
80	54.1	255.5	22,300*	57.7	259.1	26,200*	62.7	263.2	28,800	67.5	265.8	25,900	80
85	50.8	251.5	19,600*	54.5	255.6	23,000*	59.7	260.3	24,000	64.7	263.5	21,300	85
90	47.2	247.0	17,300*	51.1	251.6	20,200*	56.6	257.0	19,800	61.7	260.8	17,200	90
95	43.5	241.9	15,300*	47.6	247.2	17,800*	53.4	253.4	16,100	58.7	257.8	13,700	95
100	39.4	236.0	13,500*	43.9	242.1	15,000	50.0	249.3	12,800	55.5	254.5	10,500	100
105	35.0	229.1	12,000*	39.9	236.3	11,900	46.4	244.6	9,800	52.2	250.7	7,700	105
110	30.0	220.9	10,300	35.5	229.6	9,000	42.6	239.3	7,100	48.8	246.4	5,100	110
115	24.0	210.6	7,600	30.6	221.6	6,400	38.5	233.3	4,600				115
120	15.9	196.0	5,000	24.8	211.6	4,000							120



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82

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

184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating

### 160 Ft. Boom, 230 Ft. Jib

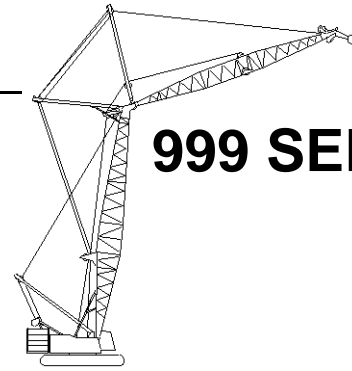
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		
45	76.0	283.5	57,500*										45
50	73.5	282.1	53,100*										50
55	71.0	280.4	46,500*	73.8	281.9	54,200*							55
60	68.4	278.4	41,000*	71.3	280.2	47,400*							60
65	65.8	276.2	36,400*	68.7	278.3	41,700*							65
70	63.1	273.7	32,400*	66.1	276.1	37,000*	70.4	278.7	41,300				70
75	60.4	270.9	29,100*	63.4	273.6	33,000*	67.8	276.7	34,900				75
80	57.5	267.8	26,200*	60.7	270.9	29,600*	65.2	274.4	29,400				80
85	54.6	264.3	23,300*	57.9	267.8	26,600*	62.5	271.8	24,700	66.9	274.5	21,800	85
90	51.6	260.4	20,700*	55.0	264.3	23,200	59.7	268.9	20,500	64.3	272.2	17,800	90
95	48.4	256.0	18,500*	51.9	260.5	19,400	56.9	265.7	16,800	61.6	269.5	14,300	95
100	45.1	251.1	16,500*	48.8	256.2	15,900	54.0	262.2	13,500	58.8	266.5	11,100	100
105	41.5	245.6	14,300	45.5	251.4	12,800	50.9	258.2	10,600	55.9	263.2	8,300	105
110	37.7	239.4	11,400	41.9	245.9	10,000	47.7	253.7	7,900	52.9	259.5	5,800	110
115	33.4	232.1	8,800	38.1	239.8	7,500	44.3	248.7	5,500				115
120	28.6	223.4	6,400	33.9	232.6	5,200							120
125	22.9	212.6	4,100										125

### 160 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		
50	74.8	292.5	50,600*							50
55	72.5	291.0	44,500*							55
60	70.2	289.2	39,200*	72.8	290.8	45,300*				60
65	67.8	287.2	34,600*	70.4	289.0	39,800*				65
70	65.3	284.9	30,800*	68.0	287.0	35,200*				70
75	62.9	282.4	27,500*	65.6	284.8	31,300*	69.6	287.5	35,000	75
80	60.3	279.5	24,600*	63.2	282.3	27,900*	67.2	285.4	29,500	80
85	57.7	276.4	22,100*	60.6	279.5	25,000*	64.8	283.1	24,800	85
90	55.0	273.0	19,900*	58.0	276.4	22,500*	62.3	280.5	20,600	90
95	52.3	269.2	18,000*	55.4	273.0	19,700	59.8	277.6	17,000	95
100	49.4	265.0	16,200*	52.6	269.3	16,300	57.1	274.4	13,700	100
105	46.4	260.3	14,600*	49.7	265.1	13,200	54.4	270.9	10,800	105
110	43.2	255.1	12,000	46.7	260.5	10,500	51.6	267.0	8,200	110
115	39.8	249.2	9,400	43.5	255.3	7,900	48.7	262.7	5,800	115
120	36.1	242.6	7,000	40.2	249.6	5,600				120
125	32.0	234.9	4,800							125



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 170 Ft. Boom, 70 Ft. Jib

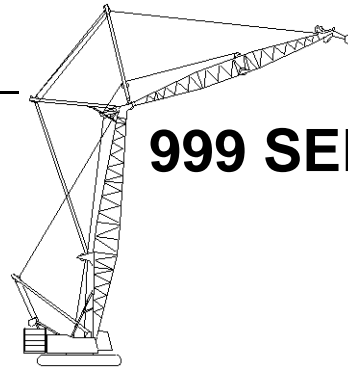
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	52.8	208.2	34,200*																40
45	42.5	203.2	27,100*	54.5	208.6	36,300*b													45
50	29.1	195.4	22,100*	44.5	203.9	28,500*													50
55				32.0	196.8	23,100*	52.4	206.7	34,800*										55
60							42.0	201.5	27,400*										60
65							28.3	193.5	22,300*	50.0	204.2	33,200*							65
70										39.1	198.5	26,400*							70
75										23.8	189.2	21,500*	58.2	204.3	43,800*b				75
80													48.9	200.2	33,100*				80
85													37.7	194.3	26,200*				85
90													21.4	184.3	21,400*	56.6	199.0	35,600b	90
95																47.0	194.7	32,200*	95
100																35.3	188.3	25,700*	100

### 170 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	61.7	211.8	38,100*b																35
40	52.8	208.2	28,500*	63.3	212.0	41,100*b													40
45	42.5	203.2	22,400*	54.5	208.6	30,300*													45
50	29.1	195.4	18,100*	44.5	203.9	23,600*	61.3	210.3	38,900*b										50
55				32.0	196.8	19,000*	52.4	206.7	29,000*										55
60							42.0	201.5	22,700*	59.2	208.1	36,600*							60
65							28.3	193.5	18,300*	50.0	204.2	27,600*							65
70										39.1	198.5	21,800*							70
75										23.8	189.2	17,600*	58.2	204.3	36,400*				75
80													48.9	200.2	27,400*				80
85													37.7	194.3	21,600*				85
90													21.4	184.3	17,500*	56.6	199.0	34,000	90
95																47.0	194.7	26,700*	95
100																35.3	188.3	21,100*	100



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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**

## 170 Ft. Boom, 90 Ft. Jib

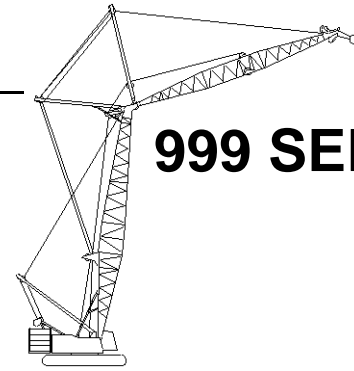
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	
	35	61.7	211.8	33,700*b	63.3	212.0	36,400*b												
40	52.8	208.2	25,100*	54.5	208.6	26,700*													40
45	42.5	203.2	19,600*	44.5	203.9	20,700*	61.3	210.3	34,300*										45
50	29.1	195.4	15,700*	32.0	196.8	16,500*	52.4	206.7	25,400*	67.6	211.0	46,700*b							50
55																			55
60							42.0	201.5	19,800*	59.2	208.1	32,300*							60
65							28.3	193.5	15,900*	50.0	204.2	24,200*							65
70										39.1	198.5	19,000*							70
75										23.8	189.2	15,300*	58.2	204.3	32,000*				75
80													48.9	200.2	24,000*				80
85													37.7	194.3	18,800*				85
90													21.4	184.3	15,100*	56.6	199.0	18,400	90
95																47.0	194.7	15,100	95
100																35.3	188.3	12,000	100

## 170 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	
	35	67.9	223.1	49,200*b	69.0	223.2	53,300*b												
40	61.4	220.5	36,600*	62.6	220.6	38,900*													40
45	54.3	217.0	28,600*	55.7	217.4	30,200*	67.6	221.7	50,300*										45
50	46.6	212.5	23,100*	48.1	213.1	24,200*	61.0	219.0	37,200*										50
55	37.5	206.5	19,100*																55
60	25.6	197.5	16,000*	39.3	207.4	19,900*	54.0	215.5	29,000*	66.0	219.7	47,400*							60
65				28.2	199.2	16,600*	46.2	210.9	23,400*	59.4	216.8	35,400*							65
70							37.1	204.8	19,300*	52.2	213.1	27,800*							70
75							25.0	195.6	16,100*	44.1	208.2	22,600*							75
80										34.5	201.5	18,700*	58.6	213.0	30,500				80
85										21.0	190.9	15,600*	51.3	209.2	26,200				85
90													43.1	204.1	22,400				90
95													33.3	197.2	18,600*	57.3	207.7	15,300	95
100													18.8	185.7	15,500	49.9	203.7	12,600	100
105																41.5	198.4	10,000	105
110																31.1	191.0	7,600	110



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 170 Ft. Boom, 110 Ft. Jib

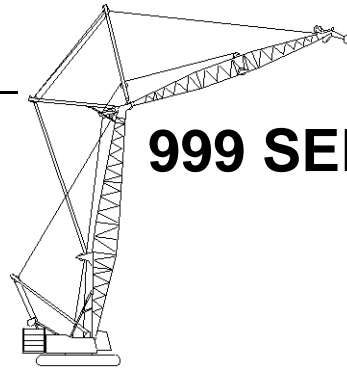
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	61.7	211.8	31,200*																35
40	52.8	208.2	23,400*	63.3	212.0	33,500*													40
45	42.5	203.2	18,400*	54.5	208.6	24,800*	69.5	213.0	45,800*										45
50	29.1	195.4	14,900*	44.5	203.9	19,300*	61.3	210.3	31,500*										50
55				32.0	196.8	15,600*	52.4	206.7	23,600*	67.6	211.0	42,000*							55
60							42.0	201.5	18,500*	59.2	208.1	29,600*							60
65							28.3	193.5	15,000*	50.0	204.2	22,400*							65
70										39.1	198.5	17,700*							70
75										23.8	189.2	14,400*				58.2	204.3	29,000*	75
80													48.9	200.2	22,100*				80
85													37.7	194.3	17,500*				85
90													21.4	184.3	14,200*	56.6	199.0	14,600	90
95																47.0	194.7	10,900	95
100																35.3	188.3	7,500	100

### 170 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet			
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall				
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds				
35	67.9	223.1	43,600*																35
40	61.4	220.5	32,500*	69.0	223.2	46,900*													40
45	54.3	217.0	25,500*	62.6	220.6	34,500*													45
50	46.6	212.5	20,600*	55.7	217.4	26,800*	67.6	221.7	44,100*										50
55	37.5	206.5	17,000*	48.1	213.1	21,500*	61.0	219.0	32,800*										55
60	25.6	197.5	14,200*	39.3	207.4	17,700*	54.0	215.5	25,700*	66.0	219.7	41,300*							60
65				28.2	199.2	14,700*	46.2	210.9	20,700*	59.4	216.8	31,100*							65
70							37.1	204.8	17,100*	52.2	213.1	24,500*							70
75							25.0	195.6	14,300*	44.1	208.2	19,900*							75
80										34.5	201.5	16,500*	58.6	213.0	26,500				80
85										21.0	190.9	13,800*	51.3	209.2	22,000				85
90													43.1	204.1	17,900				90
95													33.3	197.2	14,200				95
100													18.8	185.7	10,600				100



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 170 Ft. Boom, 130 Ft. Jib

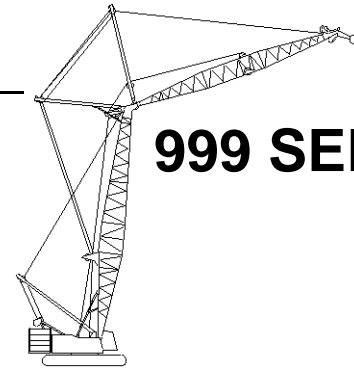
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	71.8	233.9	55,500*													35
40	66.6	231.8	41,400*	72.7	233.9	59,000*										40
45	61.1	229.1	32,400*	67.6	231.9	43,900*										45
50	55.3	225.8	26,200*	62.2	229.3	34,100*										50
55	49.1	221.6	21,700*	56.4	226.1	27,400*	66.3	230.4	41,700*							55
60	42.1	216.4	18,200*	50.3	222.1	22,600*	60.9	227.6	32,700*							60
65	33.9	209.5	15,500*	43.5	217.1	18,900*	55.1	224.3	26,500*	65.0	228.3	39,600*				65
70	23.2	199.5	13,300*	35.6	210.5	16,100*	48.8	220.1	21,900*	59.5	225.5	31,300*				70
75				25.5	201.3	13,700*	41.8	214.7	18,400*	53.6	221.9	25,500*				75
80							33.5	207.7	15,600*	47.2	217.4	21,200*				80
85							22.5	197.5	13,400*	39.9	211.8	17,800*	58.9	221.7	22,800	85
90										31.2	204.2	15,200*	52.9	218.0	19,000	90
95										18.9	192.5	13,000*	46.4	213.5	15,600	95
100													39.0	207.7	12,500	100
105													30.1	199.8	9,600	105
110													16.9	187.1	6,800	110

### 170 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.5	244.5	59,000*													35
40	70.1	242.7	54,200*													40
45	65.6	240.5	42,500*	71.0	242.7	57,300*										45
50	61.0	237.8	34,400*	66.5	240.6	44,700*										50
55	56.0	234.5	28,500*	61.8	238.0	36,000*	69.9	241.3	54,500*							55
60	50.8	230.6	24,100*	57.0	234.8	29,800*	65.4	239.0	42,900*							60
65	45.1	225.8	20,500*	51.8	231.0	25,000*	60.7	236.3	34,800*							65
70	38.7	219.8	17,700*	46.2	226.3	21,300*	55.8	233.0	28,900*	64.3	237.0	41,000*				70
75	31.2	212.2	15,300*	40.0	220.7	18,300*	50.5	229.0	24,300*	59.6	234.1	33,500*				75
80	21.3	201.2	13,400*	32.7	213.4	15,800*	44.8	224.2	20,800*	54.6	230.7	27,900*				80
85				23.4	203.3	13,800*	38.4	218.2	17,900*	49.2	226.5	23,600*				85
90							30.8	210.4	15,500*	43.3	221.4	20,200*	59.0	230.4	19,200	90
95							20.7	199.2	13,500*	36.7	215.1	17,400*	54.0	226.8	15,900	95
100										28.7	206.7	15,100*	48.6	222.6	12,900	100
105										17.3	193.9	13,200*	42.6	217.4	10,300	105
110													35.9	210.8	7,800	110
115													27.6	202.2	5,500	115



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 170 Ft. Boom, 150 Ft. Jib

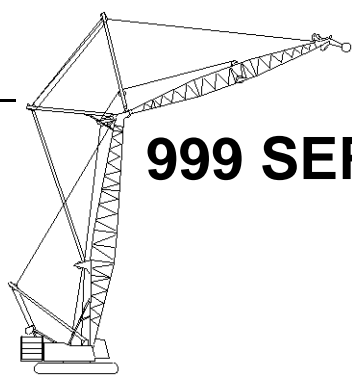
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	72.7	253.4	59,000*													40
45	68.9	251.5	51,500*	73.4	253.3	59,000*										45
50	64.9	249.2	41,900*	69.6	251.5	54,000*										50
55	60.8	246.5	34,900*	65.7	249.3	43,800*										55
60	56.6	243.2	29,600*	61.6	246.6	36,400*	68.7	250.0	51,800*							60
65	52.0	239.4	25,400*	57.4	243.5	30,700*	64.8	247.7	42,300*							65
70	47.2	234.9	22,000*	52.9	239.8	26,300*	60.6	245.0	35,300*	67.8	248.1	44,200				70
75	41.9	229.6	19,200*	48.1	235.4	22,800*	56.4	241.7	30,000*	63.8	245.7	38,200				75
80	36.0	223.1	16,800*	42.9	230.3	19,900*	51.8	237.9	25,800*	59.6	242.8	33,000				80
85	29.0	214.7	14,900*	37.2	224.0	17,400*	47.0	233.4	22,300*	55.3	239.4	28,500				85
90	19.8	202.9	13,200*	30.4	216.1	15,400*	41.7	228.0	19,500*	50.7	235.4	24,500				90
95				21.8	205.1	13,600*	35.7	221.4	17,100*	45.7	230.7	21,000	59.1	239.0	16,500	95
100							28.7	212.9	15,100*	40.3	225.1	17,800	54.8	235.6	13,700	100
105							19.2	200.8	13,400*	34.1	218.1	15,000	50.1	231.5	11,100	105
110										26.7	209.0	12,300	45.1	226.7	8,800	110
115										16.1	195.2	9,800	39.6	220.9	6,600	115
120													33.4	213.8	4,700	120

### 170 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
40	74.7	263.9	59,000*													40
45	71.4	262.2	59,000*													45
50	67.9	260.2	52,300*	72.0	262.1	59,000*										50
55	64.4	257.9	44,300*	68.6	260.2	54,700*										55
60	60.7	255.1	38,200*	65.1	257.9	46,200*										60
65	57.0	251.9	33,000*	61.4	255.3	39,700*	67.8	258.8	53,400*							65
70	53.0	248.2	28,600*	57.7	252.2	34,200*	64.2	256.4	45,300*							70
75	48.8	244.0	25,100*	53.7	248.6	29,700*	60.6	253.6	38,800*	66.9	256.8	38,100				75
80	44.3	239.0	22,100*	49.6	244.4	26,000*	56.8	250.4	33,500*	63.4	254.3	32,900				80
85	39.3	233.1	19,600*	45.1	239.6	22,900*	52.8	246.7	29,200*	59.7	251.5	28,500				85
90	33.8	226.1	17,400*	40.3	233.9	20,300*	48.6	242.4	25,600*	55.8	248.1	24,600				90
95	27.2	217.1	15,600*	34.9	227.1	18,000*	44.1	237.4	22,600*	51.8	244.3	21,200	62.9	250.6	16,300	95
100	18.5	204.4	14,000*	28.6	218.6	16,100*	39.1	231.5	20,000*	47.5	239.8	18,100	59.2	247.7	13,500	100
105				20.4	206.8	14,400*	33.5	224.3	17,800	42.9	234.6	15,300	55.4	244.3	11,000	105
110							26.9	215.3	15,100	37.8	228.4	12,800	51.3	240.4	8,700	110
115							18.0	202.3	12,500	32.0	220.9	10,500	47.0	235.9	6,700	115
120										25.0	211.2	8,300	42.4	230.6	4,800	120
125										15.0	196.4	6,200				125



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 170 Ft. Boom, 170 Ft. 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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	72.7	253.4	59,000*										40
45	68.9	251.5	47,500*	73.4	253.3	59,000*							45
50	64.9	249.2	38,700*	69.6	251.5	49,800*							50
55	60.8	246.5	32,200*	65.7	249.3	40,400*							55
60	56.6	243.2	27,300*	61.6	246.6	33,600*	68.7	250.0	47,800*				60
65	52.0	239.4	23,400*	57.4	243.5	28,400*	64.8	247.7	39,100*				65
70	47.2	234.9	20,200*	52.9	239.8	24,300*	60.6	245.0	32,600*	67.8	248.1	39,900	70
75	41.9	229.6	17,600*	48.1	235.4	21,000*	56.4	241.7	27,700*	63.8	245.7	33,700	75
80	36.0	223.1	15,500*	42.9	230.3	18,300*	51.8	237.9	23,800*	59.6	242.8	28,400	80
85	29.0	214.7	13,600*	37.2	224.0	16,000*	47.0	233.4	20,600*	55.3	239.4	23,700	85
90	19.8	202.9	12,100*	30.4	216.1	14,100*	41.7	228.0	18,000*	50.7	235.4	19,700	90
95				21.8	205.1	12,500*	35.7	221.4	15,800*	45.7	230.7	16,000	95
100							28.7	212.9	13,900*	40.3	225.1	12,800	100
105							19.2	200.8	11,500	34.1	218.1	9,800	105
110										26.7	209.0	7,100	110
115										16.1	195.2	4,400	115

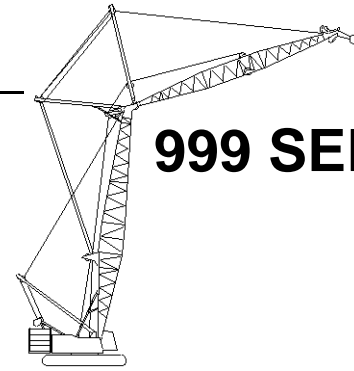
### 170 Ft. Boom, 180 Ft. Jib

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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	74.7	263.9	59,000*										40
45	71.4	262.2	59,000*										45
50	67.9	260.2	49,300*	72.0	262.1	59,000*							50
55	64.4	257.9	41,200*	68.6	260.2	51,400*							55
60	60.7	255.1	35,000*	65.1	257.9	42,900*							60
65	57.0	251.9	30,100*	61.4	255.3	36,400*	67.8	258.8	49,600*				65
70	53.0	248.2	26,100*	57.7	252.2	31,200*	64.2	256.4	41,700*				70
75	48.8	244.0	22,800*	53.7	248.6	27,100*	60.6	253.6	35,500*	66.9	256.8	33,900	75
80	44.3	239.0	20,100*	49.6	244.4	23,700*	56.8	250.4	30,600*	63.4	254.3	28,600	80
85	39.3	233.1	17,800*	45.1	239.6	20,800*	52.8	246.7	26,600*	59.7	251.5	24,100	85
90	33.8	226.1	15,800*	40.3	233.9	18,400*	48.6	242.4	22,800	55.8	248.1	20,100	90
95	27.2	217.1	14,100*	34.9	227.1	16,400*	44.1	237.4	19,000	51.8	244.3	16,500	95
100	18.5	204.4	12,700*	28.6	218.6	14,600*	39.1	231.5	15,700	47.5	239.8	13,300	100
105				20.4	206.8	13,100*	33.5	224.3	12,600	42.9	234.6	10,500	105
110							26.9	215.3	9,900	37.8	228.4	7,900	110
115							18.0	202.3	7,200	32.0	220.9	5,500	115





# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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

## 170 Ft. Boom, 190 Ft. Jib

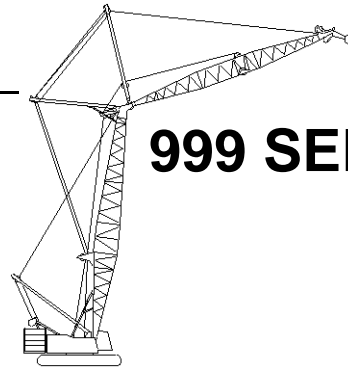
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	72.7	253.4	55,600*										40
45	68.9	251.5	43,900*	73.4	253.3	58,600*							45
50	64.9	249.2	35,800*	69.6	251.5	46,100*							50
55	60.8	246.5	29,800*	65.7	249.3	37,400*							55
60	56.6	243.2	25,200*	61.6	246.6	31,100*	68.7	250.0	44,300*				60
65	52.0	239.4	21,500*	57.4	243.5	26,200*	64.8	247.7	36,200*				65
70	47.2	234.9	18,600*	52.9	239.8	22,400*	60.6	245.0	30,200*	67.8	248.1	35,900	70
75	41.9	229.6	16,200*	48.1	235.4	19,300*	56.4	241.7	25,600*	63.8	245.7	29,500	75
80	36.0	223.1	14,200*	42.9	230.3	16,800*	51.8	237.9	21,900*	59.6	242.8	24,000	80
85	29.0	214.7	12,500*	37.2	224.0	14,700*	47.0	233.4	19,000*	55.3	239.4	19,300	85
90	19.8	202.9	11,100*	30.4	216.1	12,900*	41.7	228.0	16,500*	50.7	235.4	15,000	90
95				21.8	205.1	11,400*	35.7	221.4	12,900	45.7	230.7	11,300	95
100							28.7	212.9	9,400	40.3	225.1	7,900	100
105							19.2	200.8	6,100	34.1	218.1	4,900	105

## 170 Ft. Boom, 200 Ft. 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	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
40	74.7	263.9	59,000*										40
45	71.4	262.2	55,300*										45
50	67.9	260.2	45,300*	72.0	262.1	57,900*							50
55	64.4	257.9	37,900*	68.6	260.2	47,300*							55
60	60.7	255.1	32,100*	65.1	257.9	39,500*							60
65	57.0	251.9	27,600*	61.4	255.3	33,400*	67.8	258.8	45,700*				65
70	53.0	248.2	23,900*	57.7	252.2	28,700*	64.2	256.4	38,400*				70
75	48.8	244.0	20,900*	53.7	248.6	24,900*	60.6	253.6	32,700*	66.9	256.8	30,000	75
80	44.3	239.0	18,400*	49.6	244.4	21,700*	56.8	250.4	27,200	63.4	254.3	24,600	80
85	39.3	233.1	16,200*	45.1	239.6	19,100*	52.8	246.7	22,300	59.7	251.5	19,900	85
90	33.8	226.1	14,400*	40.3	233.9	16,800*	48.6	242.4	18,000	55.8	248.1	15,800	90
95	27.2	217.1	12,800*	34.9	227.1	14,900*	44.1	237.4	14,200	51.8	244.3	12,100	95
100	18.5	204.4	11,500*	28.6	218.6	12,600	39.1	231.5	10,800	47.5	239.8	8,900	100
105				20.4	206.8	9,300	33.5	224.3	7,700	42.9	234.6	5,900	105
110							26.9	215.3	4,800				110



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
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**

## 170 Ft. Boom, 210 Ft. Jib

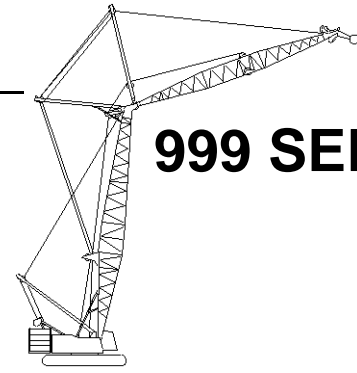
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	73.3	272.8	59,000*										45
50	70.3	271.0	51,800*	73.9	272.7	59,000*							50
55	67.1	268.9	44,300*	70.8	271.0	53,500*							55
60	64.0	266.5	37,700*	67.7	269.0	46,000*							60
65	60.7	263.8	32,500*	64.6	266.6	39,200*	70.1	269.6	47,600				65
70	57.3	260.6	28,300*	61.3	263.9	33,800*	67.0	267.5	40,000				70
75	53.7	257.0	24,800*	57.9	260.8	29,400*	63.8	265.1	33,500				75
80	50.0	252.9	21,900*	54.4	257.3	25,800*	60.5	262.3	28,000	66.2	265.5	25,100	80
85	46.1	248.2	19,400*	50.7	253.3	22,700*	57.1	259.1	23,200	63.0	263.0	20,500	85
90	41.8	242.8	17,200*	46.8	248.8	20,100*	53.6	255.5	19,000	59.7	260.1	16,400	90
95	37.2	236.5	15,400*	42.6	243.5	17,500	49.8	251.4	15,200	56.3	256.8	12,900	95
100	32.0	228.9	13,800*	38.1	237.3	14,000	45.9	246.6	11,900	52.7	253.1	9,700	100
105	25.7	219.3	12,100	33.0	230.0	10,900	41.6	241.2	8,900	48.9	248.8	6,800	105
110	17.5	205.9	9,000	27.0	220.9	8,000	37.0	234.8	6,100	44.9	244.0	4,200	110
115				19.3	208.5	5,200							115

## 170 Ft. Boom, 220 Ft. 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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	74.9	283.2	57,200*										45
50	72.1	281.6	50,100*										50
55	69.3	279.8	43,300*	72.6	281.6	51,700*							55
60	66.5	277.6	37,700*	69.9	279.8	44,500*							60
65	63.6	275.2	33,200*	67.0	277.7	38,800*							65
70	60.6	272.4	29,400*	64.1	275.3	34,100*	69.2	278.3	40,200				70
75	57.5	269.3	25,600*	61.2	272.6	30,200*	66.4	276.2	33,900				75
80	54.3	265.8	22,400*	58.1	269.5	26,700*	63.5	273.7	28,400				80
85	51.0	261.8	19,700*	54.9	266.1	23,300*	60.5	270.9	23,600	65.7	274.2	20,600	85
90	47.5	257.3	17,300*	51.6	262.2	20,500*	57.4	267.8	19,400	62.7	271.6	16,600	90
95	43.8	252.2	15,300*	48.1	257.8	18,100*	54.2	264.2	15,700	59.7	268.8	13,100	95
100	39.7	246.4	13,500*	44.5	252.8	14,900	50.8	260.3	12,400	56.6	265.5	10,000	100
105	35.3	239.6	11,900*	40.5	247.2	11,700	47.3	255.7	9,500	53.4	261.9	7,100	105
110	30.4	231.6	10,300	36.2	240.6	8,900	43.6	250.6	6,800	50.0	257.8	4,600	110
115	24.5	221.4	7,600	31.3	232.8	6,300	39.5	244.8	4,300				115
120	16.6	207.3	5,000										120



# Liftcrane Luffing Jib Intermediate Fall Capacities



**999 SERIES 2**

New York City Code  
 Luffing Jib No. 149 On  
 Boom No. 82  
 184,600 Lb. Crane Counterweight  
 44,000 Lb. Carbody Counterweight  
 360 Degree Rating

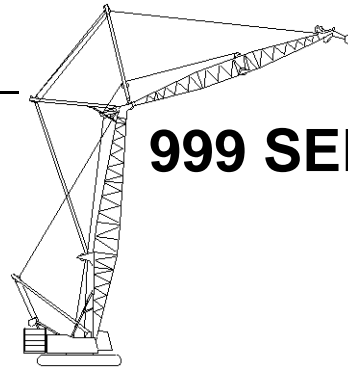
Designed And Tested  
 With The Intent To Be In  
 The Scope of ANSI B30.5

**170 Ft. Boom, 230 Ft. Jib**

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
50	73.7	292.2	50,500*							50
55	71.2	290.5	46,600*							55
60	68.6	288.6	41,400*	71.6	290.4	48,300*				60
65	66.0	286.4	36,700*	69.1	288.5	42,500*				65
70	63.3	283.9	32,800*	66.5	286.4	37,700*	71.0	289.0	40,800	70
75	60.6	281.1	29,400*	63.8	284.0	33,600*	68.5	287.1	34,400	75
80	57.7	278.0	26,400*	61.1	281.2	30,100*	65.8	284.9	29,000	80
85	54.8	274.5	23,400*	58.3	278.2	27,100*	63.2	282.4	24,200	85
90	51.8	270.6	20,700*	55.4	274.8	23,100	60.4	279.6	20,100	90
95	48.6	266.3	18,500*	52.4	271.0	19,200	57.6	276.5	16,400	95
100	45.3	261.5	16,400*	49.2	266.8	15,800	54.7	273.0	13,100	100
105	41.8	256.0	14,300	45.9	262.0	12,700	51.7	269.1	10,200	105
110	37.9	249.8	11,400	42.4	256.7	9,900	48.5	264.8	7,600	110
115	33.7	242.6	8,800	38.7	250.6	7,400	45.1	259.9	5,200	115
120	29.0	234.1	6,400	34.5	243.7	5,000				120
125	23.4	223.5	4,100							125



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 180 Ft. Boom, 70 Ft. Jib

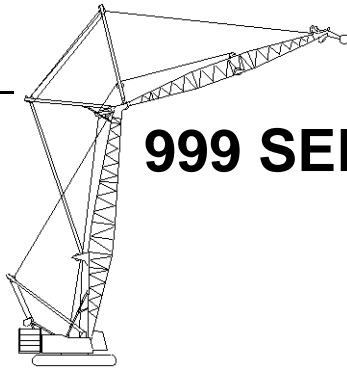
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	
	40	53.5	218.5	35,100*b															
45	43.3	213.6	27,600*	55.8	219.1	38,100*b													45
50	30.2	206.1	22,500*	46.0	214.6	29,600*													50
55				34.0	207.9	23,900*	54.6	217.6	37,600*b										55
60							44.7	212.9	29,300*										60
65							32.2	205.8	23,600*	53.3	215.5	37,000*							65
70										43.1	210.6	28,900*							70
75										30.0	203.0	23,300*							75
80													53.9	212.2	38,800*b				80
85													43.8	207.3	29,900*				85
90													30.9	200.0	24,100*				90
95																53.7	207.2	31,300	95
100																43.6	202.3	28,400	100
105																30.7	194.9	24,500*	105

### 180 Ft. Boom, 80 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	Jib Ang. Deg.	Intermediate Fall Elev. Feet	Capacity Pounds	
	35	62.3	222.0	39,300*b															
40	53.5	218.5	29,300*																40
45	43.3	213.6	22,900*	55.8	219.1	31,800*													45
50	30.2	206.1	18,500*	46.0	214.6	24,600*													50
55				34.0	207.9	19,700*	54.6	217.6	31,300*										55
60							44.7	212.9	24,300*	62.2	219.1	42,000*b							60
65							32.2	205.8	19,400*	53.3	215.5	30,700*							65
70										43.1	210.6	23,800*							70
75										30.0	203.0	19,100*	62.7	215.7	36,000b				75
80													53.9	212.2	31,100				80
85													43.8	207.3	24,700*				85
90													30.9	200.0	19,800*				90
95																53.7	207.2	15,900	95
100																43.6	202.3	13,100	100
105																30.7	194.9	10,400	105



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 180 Ft. Boom, 90 Ft. Jib

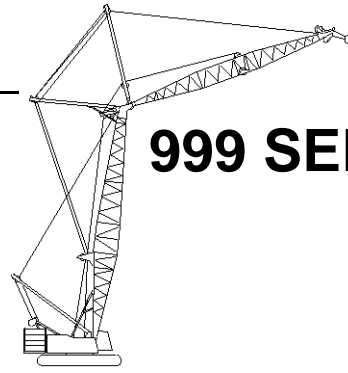
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall		Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	62.3	222.0	34,800*b																	35
40	53.5	218.5	25,700*	64.4	222.4	38,700*b														40
45	43.3	213.6	20,000*	55.8	219.1	28,000*														45
50	30.2	206.1	16,000*	46.0	214.6	21,500*	63.4	221.0	38,000*b											50
55				34.0	207.9	17,100*	54.6	217.6	27,600*											55
60							44.7	212.9	21,200*	62.2	219.1	37,000*b								60
65							32.2	205.8	16,900*	53.3	215.5	27,000*								65
70										43.1	210.6	20,800*								70
75										30.0	203.0	16,600*	62.7	215.7	34,200					75
80													53.9	212.2	28,200*					80
85													43.8	207.3	21,600*					85
90													30.9	200.0	17,200*					90
95																53.7	207.2	14,100		95
100																43.6	202.3	11,200		100
105																30.7	194.9	8,400		105

### 180 Ft. Boom, 100 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall		Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet	Capacity Pounds	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
35	68.3	233.3	50,800*b																	35
40	61.8	230.7	37,500*	69.9	233.4	56,900*b														40
45	54.9	227.3	29,300*	63.5	231.0	40,900*														45
50	47.2	222.9	23,600*	56.7	227.8	31,400*	69.1	232.1	56,000*b											50
55	38.2	217.0	19,400*	49.2	223.7	25,100*	62.7	229.6	40,400*											55
60	60	26.6	208.3	16,200*	40.6	218.3	20,600*	55.8	226.4	31,100*										60
65					30.0	210.5	17,100*	48.2	222.1	24,800*	61.8	227.7	39,600*							65
70								39.5	216.4	20,400*	54.8	224.3	30,600*							70
75								28.4	208.2	17,000*	47.1	219.9	24,500*							75
80											38.1	214.0	20,100*	62.1	224.3	29,400				80
85											26.5	205.2	16,800*	55.2	221.0	25,200				85
90														47.5	216.6	21,500				90
95														38.7	210.8	18,100				95
100														27.3	202.3	15,000	55.1	216.0	11,400	100
105																	47.4	211.6	9,000	105
110																	38.5	205.7	6,700	110
115																	27.1	197.2	4,600	115



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
Luffing Jib No. 149 On  
Boom No. 82

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

184,600 Lb. Crane Counterweight  
44,000 Lb. Carbody Counterweight  
360 Degree Rating

### 180 Ft. Boom, 110 Ft. Jib

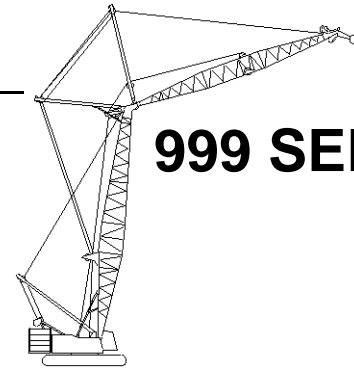
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	62.3	222.0	32,100*													35
40	53.5	218.5	24,000*	64.4	222.4	35,500*										40
45	43.3	213.6	18,800*	55.8	219.1	26,000*										45
50	30.2	206.1	15,200*	46.0	214.6	20,100*	63.4	221.0	34,600*							50
55				34.0	207.9	16,100*	54.6	217.6	25,400*							55
60							44.7	212.9	19,700*	62.2	219.1	33,500*				60
65							32.2	205.8	15,900*	53.3	215.5	24,800*				65
70										43.1	210.6	19,300*				70
75										30.0	203.0	15,500*	62.7	215.7	30,400	75
80													53.9	212.2	24,900	80
85													43.8	207.3	19,900*	85
90													30.9	200.0	15,600	90

### 180 Ft. Boom, 120 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	68.3	233.3	44,900*													35
40	61.8	230.7	33,300*	69.9	233.4	49,800*										40
45	54.9	227.3	26,000*	63.5	231.0	36,100*										45
50	47.2	222.9	20,900*	56.7	227.8	27,800*	69.1	232.1	48,500*							50
55	38.2	217.0	17,200*	49.2	223.7	22,300*	62.7	229.6	35,400*							55
60	26.6	208.3	14,400*	40.6	218.3	18,200*	55.8	226.4	27,400*							60
65				30.0	210.5	15,200*	48.2	222.1	21,900*	61.8	227.7	34,500*				65
70							39.5	216.4	18,000*	54.8	224.3	26,800*				70
75							28.4	208.2	15,000*	47.1	219.9	21,500*				75
80										38.1	214.0	17,700*	62.1	224.3	25,600	80
85										26.5	205.2	14,800*	55.2	221.0	21,200	85
90													47.5	216.6	17,200	90
95													38.7	210.8	13,600	95
100													27.3	202.3	10,200	100



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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

### 180 Ft. Boom, 130 Ft. Jib

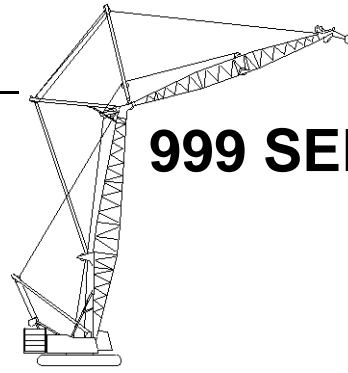
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	72.1	244.1	57,200*													35
40	66.9	242.0	42,400*	73.4	244.1	59,000*										40
45	61.5	239.3	33,100*	68.3	242.2	46,000*										45
50	55.8	236.1	26,700*	62.9	239.7	35,500*										50
55	49.5	231.9	22,000*	57.3	236.6	28,400*	67.6	240.9	45,100*							55
60	42.6	226.8	18,500*	51.2	232.7	23,300*	62.2	238.3	34,900*							60
65	34.6	220.0	15,700*	44.5	227.8	19,500*	56.5	235.1	28,000*	66.9	239.0	43,900*				65
70	24.1	210.3	13,400*	36.8	221.5	16,500*	50.4	231.1	23,000*	61.5	236.4	34,200*				70
75				27.1	212.8	14,100*	43.6	226.1	19,300*	55.7	233.1	27,500*				75
80							35.7	219.6	16,300*	49.5	229.0	22,700*				80
85							25.6	210.4	14,000*	42.5	223.8	19,000*	61.8	233.0	21,900	85
90										34.5	217.0	16,100*	56.0	229.7	18,100	90
95										23.9	207.2	13,800*	49.8	225.6	14,800	95
100													43.0	220.5	11,700	100
105													35.0	213.9	9,000	105
110													24.6	204.4	6,300	110

### 180 Ft. Boom, 140 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
35	74.8	254.6	59,000*													35
40	70.5	252.9	55,500*													40
45	66.0	250.7	43,400*	71.6	252.9	59,000*										45
50	61.3	248.0	35,100*	67.1	250.9	46,500*										50
55	56.4	244.8	29,000*	62.5	248.3	37,300*	71.0	251.7	58,800*							55
60	51.2	240.9	24,400*	57.7	245.2	30,700*	66.5	249.6	45,700*							60
65	45.5	236.1	20,800*	52.5	241.5	25,700*	61.9	246.9	36,800*							65
70	39.2	230.3	17,900*	47.0	237.0	21,800*	57.0	243.8	30,400*	65.9	247.7	42,700				70
75	31.8	222.8	15,500*	40.9	231.5	18,700*	51.9	240.0	25,500*	61.2	245.0	36,200*				75
80	22.1	212.2	13,500*	33.8	224.5	16,200*	46.3	235.4	21,700*	56.3	241.8	29,900*				80
85				24.9	215.0	14,100*	40.0	229.7	18,600*	51.1	237.9	25,200*				85
90							32.8	222.5	16,100*	45.4	233.1	21,400*	61.5	241.6	18,200	90
95							23.6	212.4	14,000*	39.1	227.3	18,400*	56.6	238.4	14,900	95
100										31.7	219.8	16,000*	51.4	234.5	12,100	100
105										22.0	209.1	13,000	45.8	229.8	9,500	105
110													39.5	224.1	7,100	110
115													32.2	216.7	4,900	115



# Liftcrane Luffing Jib Intermediate Fall Capacities



## 999 SERIES 2

New York City Code  
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**

### 180 Ft. Boom, 150 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		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	52,500*	74.0	263.5	59,000*										45
50	65.2	259.4	42,600*	70.2	261.7	56,100*										50
55	61.1	256.7	35,500*	66.2	259.6	45,300*										55
60	56.9	253.5	30,000*	62.2	257.0	37,500*	69.7	260.5	55,000*							60
65	52.4	249.7	25,700*	58.0	253.9	31,600*	65.7	258.2	44,700*							65
70	47.6	245.3	22,200*	53.5	250.3	27,000*	61.7	255.6	37,100*							70
75	42.3	240.0	19,400*	48.8	246.1	23,300*	57.4	252.5	31,300*	65.2	256.4	37,300				75
80	36.5	233.6	17,000*	43.7	241.0	20,300*	53.0	248.8	26,800*	61.1	253.7	32,200				80
85	29.6	225.4	15,000*	38.0	234.9	17,800*	48.2	244.5	23,200*	56.8	250.5	27,800				85
90	20.5	213.9	13,300*	31.4	227.3	15,600*	43.0	239.3	20,200*	52.3	246.7	23,900				90
95				23.2	216.9	13,800*	37.3	233.0	17,700*	47.5	242.3	20,400	61.3	250.3	15,500	95
100							30.5	225.1	15,600*	42.3	237.0	17,300	57.1	247.1	12,700	100
105							21.9	214.3	13,800*	36.4	230.5	14,400	52.6	243.4	10,200	105
110										29.5	222.3	11,800	47.8	239.0	8,000	110
115										20.4	210.8	9,400	42.6	233.7	5,900	115

### 180 Ft. Boom, 160 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		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	59,000*													45
50	68.2	270.4	52,900*	72.5	272.4	59,000*										50
55	64.6	268.0	44,800*	69.0	270.5	56,300*										55
60	61.0	265.3	38,600*	65.5	268.3	47,300*										60
65	57.2	262.2	33,300*	61.9	265.6	40,600*	68.6	269.2	55,000							65
70	53.3	258.5	28,900*	58.2	262.6	35,000*	65.1	266.9	47,200*							70
75	49.1	254.3	25,300*	54.3	259.1	30,300*	61.5	264.3	40,500*							75
80	44.6	249.4	22,300*	50.2	255.0	26,500*	57.7	261.2	34,800*	64.6	265.1	32,100				80
85	39.7	243.6	19,700*	45.8	250.3	23,300*	53.8	257.6	30,200*	61.0	262.3	27,700				85
90	34.2	236.6	17,600*	41.0	244.7	20,600*	49.6	253.4	26,500*	57.2	259.2	23,900				90
95	27.7	227.8	15,700*	35.7	238.1	18,300*	45.2	248.6	23,300*	53.2	255.5	20,500				95
100	19.3	215.5	14,100*	29.5	229.9	16,300*	40.4	243.0	20,400	49.0	251.3	17,400	61.2	258.9	12,500	100
105				21.7	218.8	14,600*	35.0	236.1	17,400	44.5	246.4	14,700	57.4	255.8	10,000	105
110							28.7	227.6	14,800	39.6	240.6	12,200	53.5	252.2	7,800	110
115							20.5	216.0	12,200	34.1	233.6	9,900	49.3	248.0	5,800	115
120										27.7	224.7	7,800	44.8	243.1	4,000	120
125										19.1	212.4	5,800				125