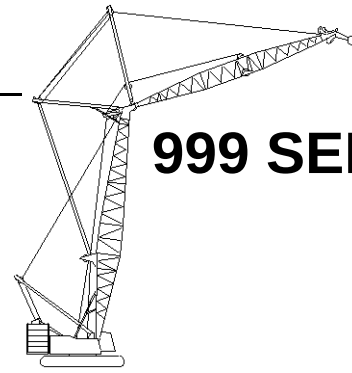


Liftcrane Luffing Jib Intermediate Fall Capacities

**New York City Code
Luffing Jib No. 149 On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating**

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



999 SERIES 3

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**.

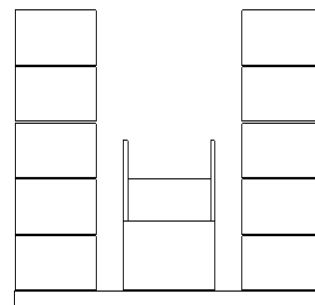
OPERATING RADIUS: Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle is angle between horizontal and centerline of boom butt and inserts. Luffing jib angle is angle between horizontal and centerline of luffing jib butt and inserts, 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, 219,600 Lb. crane counterweight, two 22,000 Lb. and two 18,000 Lb. carbody counterweights.

Consult chart **No. 8420-A** for luffing jib capacities. Consult chart **No. 8365-A** for lifting off lower boom point with luffing jib attached. Consult chart **No. 8371-A** for intermediate fall capacities with fixed jib attached.

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



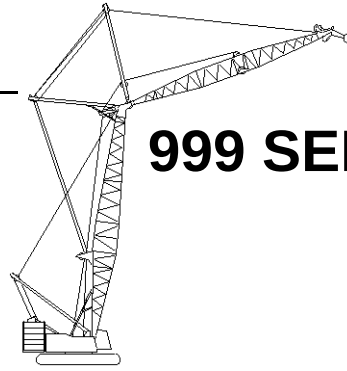
**219,600 Lb. Crane Counterweight
10 Side Boxes - 1 Center Box**



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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999 SERIES 3

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		
35	56.2	119.8	36,300*	61.1	121.5	42,400*b													35
40	46.5	115.3	28,600*	52.1	117.8	32,500*	59.7	120.4	40,500*										40
45	34.7	108.8	23,200*	41.7	112.5	26,000*	50.5	116.5	31,300*	58.1	119.1	38,600*							45
50				27.9	104.5	21,300*	39.7	110.9	25,200*	48.7	114.9	30,100*	61.2	118.5	42,900*b				50
55							24.8	102.0	20,600*	37.5	109.0	24,300*	52.2	114.8	32,800*				55
60										21.1	98.8	19,900*	41.8	109.7	26,200*	55.2	113.9	35,700*	60
65													28.1	101.6	21,500*	45.3	109.2	28,200*	65
70																33.1	102.4	22,900*	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 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	64.8	123.0	41,000*b															30	
35	56.2	119.8	30,400*	61.1	121.5	35,600*	67.9	123.2	47,200*b									35	
40	46.5	115.3	23,700*	52.1	117.8	27,100*	59.7	120.4	34,000*	66.5	122.0	44,400*b						40	
45	34.7	108.8	19,100*	41.7	112.5	21,500*	50.5	116.5	26,100*	58.1	119.1	32,400*						45	
50				27.9	104.5	17,400*	39.7	110.9	20,800*	48.7	114.9	25,100*	61.2	118.5	36,000*			50	
55							24.8	102.0	16,900*	37.5	109.0	20,100*	52.2	114.8	27,400*			55	
60										21.1	98.8	16,300*	41.8	109.7	21,700*	55.2	113.9	29,800*	60
65													28.1	101.6	17,600*	45.3	109.2	23,400*	65
70																33.1	102.4	18,900*	70

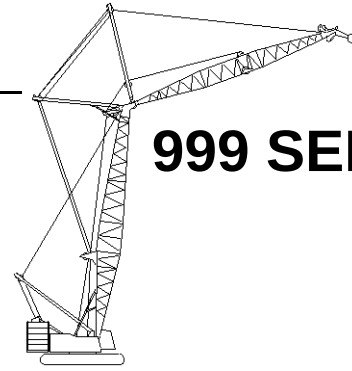
80 Ft. Boom, 90 Ft. Jib

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

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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

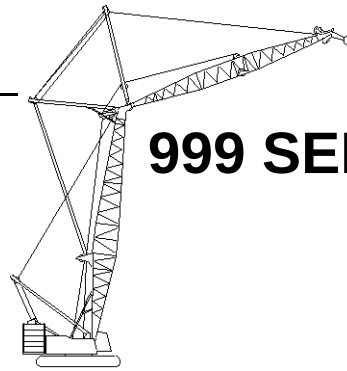
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
25	72.7	125.2	50,400*																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

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

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The Scope of ANSI B30.5**



999 SERIES 3

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	65	
70										18.5	100.3	13,100*	36.9	112.9	16,700*	48.7	118.4	70	
75													24.7	103.7	14,000*	40.0	112.8	75	
80																29.2	104.9	80	

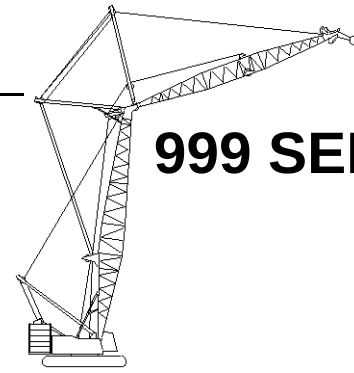
80 Ft. Boom, 130 Ft. Jib

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	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	
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

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999 SERIES 3

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		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
35	71.8	153.5	57,300*																35
40	67.3	151.4	44,700*	69.8	152.4	51,100*													40
45	62.7	148.9	36,200*	65.3	150.2	40,700*	69.1	151.5	49,100*										45
50	57.9	145.9	30,000*	60.6	147.4	33,300*	64.5	149.2	39,300*										50
55	52.8	142.2	25,300*	55.7	144.1	27,900*	59.8	146.4	32,400*	63.7	148.0	38,000*							55
60	47.3	137.7	21,600*	50.4	140.1	23,600*	54.8	143.0	27,100*	59.0	145.1	31,400*							60
65	41.2	132.3	18,700*	44.7	135.2	20,300*	49.5	138.8	23,100*	53.9	141.5	26,400*	60.7	144.5	33,600*				65
70	34.2	125.4	16,200*	38.2	129.2	17,600*	43.6	133.8	19,900*	48.5	137.3	22,500*	55.7	141.2	28,100*				70
75	25.4	116.0	14,100*	30.6	121.4	15,300*	37.0	127.5	17,200*	42.6	132.1	19,400*	50.5	137.2	23,900*	57.3	140.0	29,800*	75
80				20.4	110.0	13,300*	29.1	119.3	15,000*	35.8	125.5	16,900*	44.7	132.3	20,500*	52.2	136.3	25,200*	80
85							18.0	106.8	13,100*	27.5	116.8	14,700*	38.3	126.3	17,800*	46.6	131.7	21,600*	85
90										15.2	102.8	12,800*	30.7	118.5	15,500*	40.5	126.1	18,700*	90
95													20.5	107.2	13,500*	33.3	119.0	16,200*	95
100																24.2	109.2	14,200*	100

80 Ft. Boom, 150 Ft. Jib

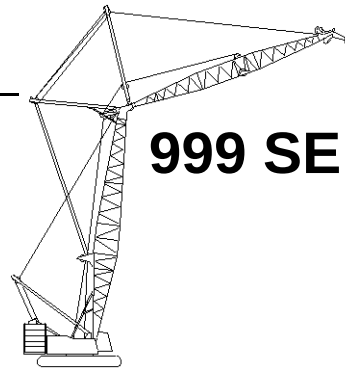
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Capacity Pounds	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*	72.5	163.1	59,000*												40	
45	66.4	160.1	43,900*	68.6	161.2	49,100*												45	
50	62.4	157.6	36,600*	64.7	158.8	40,500*	68.0	160.3	47,500*									50	
55	58.2	154.5	31,000*	60.5	156.1	34,000*	64.0	157.9	39,300*	67.3	159.2	45,900*						55	
60	53.8	151.0	26,700*	56.2	152.8	29,100*	59.8	155.0	33,200*	63.3	156.7	38,200*						60	
65	49.0	146.8	23,200*	51.7	149.0	25,100*	55.5	151.7	28,400*	59.1	153.8	32,400*						65	
70	44.0	141.8	20,300*	46.8	144.4	21,900*	50.9	147.7	24,600*	54.7	150.3	27,800*	60.6	153.2	34,400*			70	
75	38.3	135.7	17,900*	41.5	139.0	19,200*	46.0	143.1	21,500*	50.1	146.2	24,100*	56.3	149.9	29,400*			75	
80	31.8	128.2	15,800*	35.6	132.4	17,000*	40.6	137.5	18,900*	45.1	141.4	21,100*	51.8	146.1	25,500*	57.7	148.7	30,900*	80
85	23.6	118.0	14,000*	28.5	123.9	15,000*	34.5	130.6	16,700*	39.6	135.6	18,600*	46.9	141.5	22,200*	53.2	145.1	26,700*	85
90				18.9	111.6	13,400*	27.1	121.6	14,800*	33.3	128.5	16,400*	41.6	136.1	19,500*	48.5	140.8	23,300*	90
95							16.8	108.2	13,100*	25.6	119.0	14,600*	35.6	129.5	17,200*	43.3	135.7	20,400*	95
100										14.1	103.9	12,900*	28.5	121.0	15,300*	37.6	129.5	18,000*	100
105													19.0	108.8	13,600*	31.0	121.7	16,000*	105
110																22.5	111.1	14,200*	110



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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	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	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

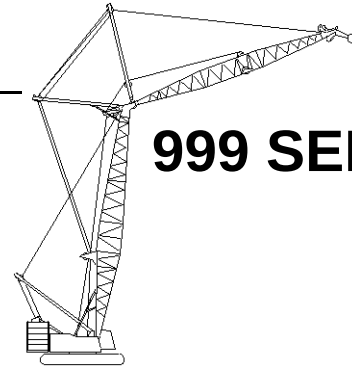
80 Ft. Boom, 170 Ft. Jib

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	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	
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

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

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



999 SERIES 3

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	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	76.0	174.5	59,000*	71.1	171.9	57,400*	70.5	171.1	55,500*												
40	72.6	172.9	59,000*																		
45	69.2	171.1	51,500*																		
50	65.7	168.8	43,100*																		
55	62.1	166.2	36,600*																		
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*									
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*									
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*									
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*
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*
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	31,600*	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	23,400*	54.0	153.8	27,700*	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	20,700*	49.9	149.7	24,400*	95		
100				17.7	113.1	13,000*	25.4	123.8	14,300*	31.2	131.2	15,800*	39.0	139.6	18,500*	45.5	145.0	21,700*	100		
105							15.7	109.5	12,900*	24.0	121.1	14,100*	33.4	132.5	16,500*	40.7	139.3	19,300*	105		
110										13.2	105.0	12,700*	26.8	123.3	14,800*	35.3	132.6	17,300*	110		
115													17.9	110.3	13,300*	29.1	124.2	14,600	115		
120																21.1	112.9	11,900	120		

80 Ft. Boom, 190 Ft. Jib

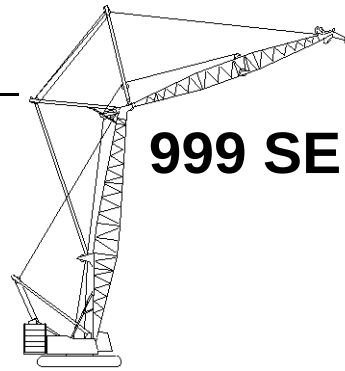
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate 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		
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	26,500*	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	22,900*	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	19,900*	90
95							16.8	108.2	11,200*	25.6	119.0	12,400*	35.6	129.5	14,700*	43.3	135.7	17,400*	95
100										14.1	103.9	11,000*	28.5	121.0	13,000*	37.6	129.5	15,400*	100
105													19.0	108.8	11,500*	31.0	121.7	13,600*	105
110																22.5	111.1	11,400	110



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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	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	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	27,800*				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	24,400*	58.0	157.4	29,100*	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	21,500*	54.0	153.8	25,500*	90
95	22.2	119.9	12,400*	26.7	126.2	13,300*	32.3	133.4	14,600*	37.1	139.0	16,200*	44.0	145.6	19,100*	49.9	149.7	22,500*	95
100				17.7	113.1	11,900*	25.4	123.8	13,100*	31.2	131.2	14,500*	39.0	139.6	17,000*	45.5	145.0	19,500	100
105							15.7	109.5	11,800*	24.0	121.1	12,900*	33.4	132.5	15,200*	40.7	139.3	16,000	105
110										13.2	105.0	11,700*	26.8	123.3	13,600	35.3	132.6	12,800	110
115													17.9	110.3	10,500	29.1	124.2	9,800	115
120																21.1	112.9	7,100	120

80 Ft. Boom, 210 Ft. Jib

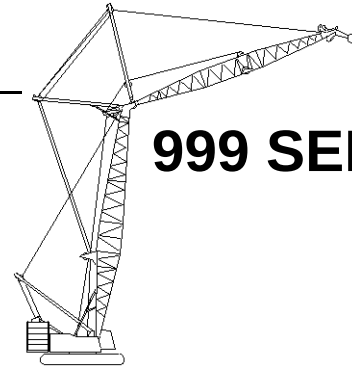
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate 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		
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	32,700*			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	28,800*			85	
90	39.0	149.0	16,700*	41.5	152.2	17,800*	45.1	156.3	19,600*	48.4	159.6	21,700*	53.5	163.7	25,500*			90	
95	34.0	141.9	15,000*	36.8	145.8	16,000*	40.8	150.7	17,600*	44.3	154.7	19,400*	49.8	159.5	22,700*	54.7	162.6	24,100	
100	28.2	133.2	13,500*	31.5	138.1	14,400*	36.0	144.1	15,800*	40.0	148.9	17,400*	45.8	154.8	20,300*	51.0	158.6	20,300	
105	20.9	121.7	12,200*	25.2	128.4	13,000*	30.6	136.1	14,300*	35.1	142.1	15,700*	41.6	149.3	18,100	47.1	154.1	16,900	
110				16.7	114.5	11,800*	24.0	125.9	12,900*	29.5	133.8	14,200*	36.9	142.9	14,900	43.0	148.9	13,800	
115							14.8	110.7	11,700*	22.7	123.0	12,800*	31.6	135.2	12,000	38.4	142.8	10,900	
120										12.5	106.0	9,900	25.3	125.5	9,300	33.4	135.6	8,300	
125													16.9	111.7	6,700	27.5	126.6	5,900	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	28,400*			85	
90	45.2	164.3	16,600*	47.2	166.8	17,800*	50.2	170.1	19,900*	53.0	172.8	21,900*	57.3	176.0	25,300*			90	
95	41.3	158.7	14,800*	43.5	161.7	15,900*	46.6	165.5	17,600*	49.6	168.6	19,600*	54.1	172.4	22,700*			95	
100	37.0	152.3	13,100*	39.4	155.8	14,100*	42.8	160.2	15,700*	46.0	163.9	17,400*	50.8	168.4	20,400*	55.2	171.3	20,700	
105	32.3	144.8	11,700*	35.0	148.9	12,600*	38.7	154.2	14,000*	42.1	158.5	15,500*	47.3	163.9	18,400*	51.9	167.5	17,300	
110	26.8	135.6	10,400*	30.0	140.7	11,200*	34.2	147.1	12,500*	38.0	152.3	13,800*	43.5	158.8	15,500	48.4	163.1	14,200	
115	19.9	123.3	9,300*	24.0	130.4	10,000*	29.1	138.7	11,100*	33.4	145.0	12,400*	39.5	152.9	12,700	44.7	158.2	11,500	
120				15.9	115.8	7,800*	22.8	127.9	9,900*	28.1	136.2	11,000*	35.1	146.1	10,100	40.8	152.6	8,900	
125							14.1	111.8	7,600*	21.6	124.9	8,600	30.0	137.9	7,600	36.5	146.1	6,600	
130										11.8	106.9	6,100	24.1	127.6	5,400	31.7	138.4	4,400	

80 Ft. Boom, 230 Ft. Jib

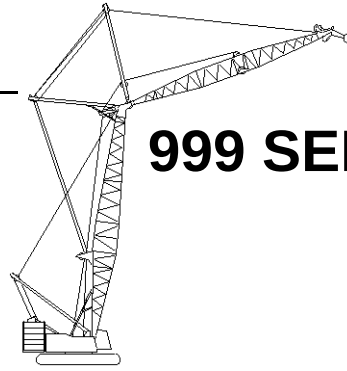
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	
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	27,600*						85	
90	49.8	178.0	20,000*	51.6	180.2	21,100*	54.1	182.9	22,900*	56.5	185.2	24,900*	60.4	187.8	28,600*			90	
95	46.6	173.4	17,900*	48.4	175.8	19,200*	51.1	179.0	20,800*	53.6	181.5	22,600*	57.6	184.7	25,800*			95	
100	43.1	168.2	16,100*	45.1	171.0	17,200*	47.9	174.5	19,000*	50.5	177.5	20,500*	54.6	181.2	22,900			100	
105	39.4	162.3	14,500*	41.5	165.5	15,500*	44.5	169.6	17,100*	47.3	173.0	18,700*	51.6	177.3	19,500	55.6	180.0	17,900	
110	35.4	155.5	13,000*	37.6	159.2	14,000*	40.9	163.9	15,400*	43.9	167.9	17,000*	48.4	172.9	16,400	52.6	176.3	14,900	
115	30.8	147.5	11,400*	33.4	151.9	12,600*	37.0	157.5	13,900*	40.2	162.1	14,900	45.1	168.1	13,500	49.5	172.1	12,200	
120	25.6	137.8	8,800*	28.6	143.3	10,200*	32.7	150.0	12,400*	36.2	155.6	12,200	41.5	162.6	10,900	46.2	167.4	9,700	
125	19.0	125.0	6,500*	22.9	132.4	7,700*	27.7	141.1	9,700*	31.9	147.9	9,800	37.7	156.3	8,600	42.7	162.1	7,400	
130				15.2	117.0	4,100*	21.8	129.7	7,300*	26.8	138.6	7,500	33.5	149.0	6,400	39.0	156.1	5,300	
135							13.4	112.9	4,100*	20.6	126.6	5,400	28.7	140.4	4,300				



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

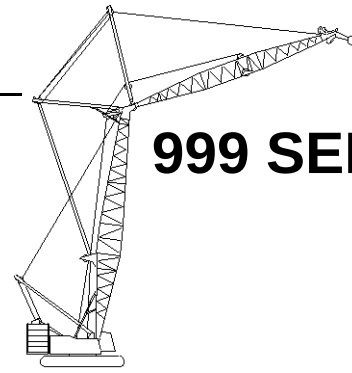
80 Ft. Boom, 240 Ft. Jib

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			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	
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	23,400*	62.9	199.3	27,000*			90	
95	50.7	186.9	16,600*	52.3	189.0	17,600*	54.6	191.7	19,300*	56.8	193.9	21,000*	60.4	196.4	24,200*			95	
100	47.7	182.5	15,000*	49.4	184.8	15,900*	51.8	187.8	17,400*	54.1	190.3	18,900*	57.8	193.3	21,800*			100	
105	44.6	177.5	13,500*	46.4	180.1	14,400*	48.9	183.5	15,700*	51.3	186.4	17,100*	55.1	189.9	19,600*			105	
110	41.3	172.0	12,200*	43.2	174.9	13,000*	45.8	178.8	14,200*	48.4	182.0	15,400*	52.3	186.1	16,600	55.9	188.7	15,000	
115	37.7	165.7	11,000*	39.8	169.1	11,700*	42.6	173.4	12,800*	45.3	177.1	13,900*	49.4	181.9	13,800	53.2	185.1	12,300	
120	33.9	158.5	9,500*	36.1	162.4	10,600*	39.2	167.5	11,500*	42.0	171.7	12,600	46.4	177.2	11,200	50.3	181.0	9,800	
125	29.6	150.1	7,100*	32.0	154.7	8,400*	35.4	160.7	10,400*	38.5	165.6	10,200	43.2	172.0	8,900	47.4	176.5	7,600	
130	24.5	139.9	5,000*	27.4	145.7	6,200*	31.3	152.8	8,000*	34.7	158.7	8,000	39.8	166.2	6,700	44.2	171.4	5,500	
135				22.0	134.3	4,100*	26.6	143.4	5,800*	30.5	150.6	5,900	36.1	159.5	4,700				
140										25.7	140.8	4,000							

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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

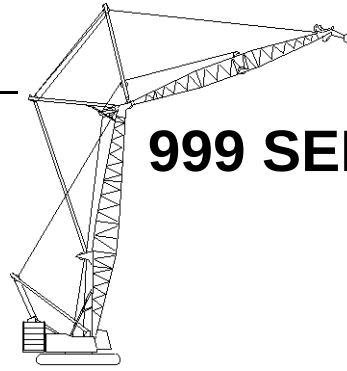
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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

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

**Designed And Tested
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The Scope of ANSI B30.5**



999 SERIES 3

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		
		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	70.7	144.1	53,900*															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							25.7	116.8	15,700*	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

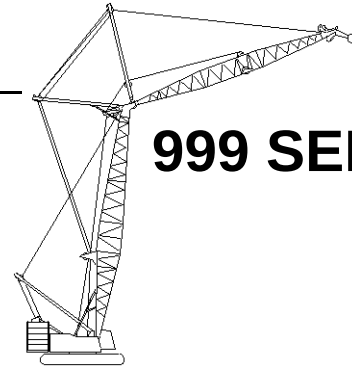
90 Ft. Boom, 110 Ft. Jib

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

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

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



999 SERIES 3

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	
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							25.7	116.8	14,100*	36.8	124.4	16,700*	50.2	131.3	22,400*			65	
70										24.6	115.1	14,000*	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

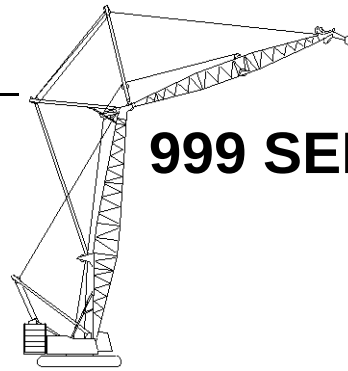
90 Ft. Boom, 130 Ft. Jib

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	
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

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

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



999 SERIES 3

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		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	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

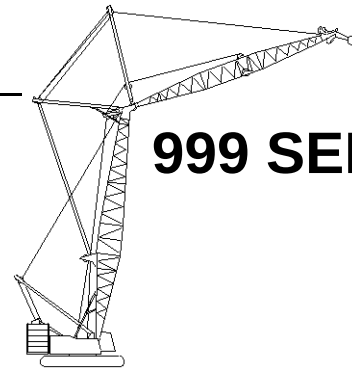
90 Ft. Boom, 150 Ft. Jib

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		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		
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*	
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*	
95							19.8	122.2	13,500*	28.5	132.5	15,200*	38.8	142.8	18,400*	46.9	148.6	22,400*	
100										19.0	120.2	13,500*	32.4	135.4	16,300*	41.6	143.2	19,700*	
105													24.4	125.5	14,400*	35.6	136.6	17,400*	
110													11.8	108.7	12,800*	28.6	128.2	15,400*	
115																19.1	116.0	13,700*	

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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

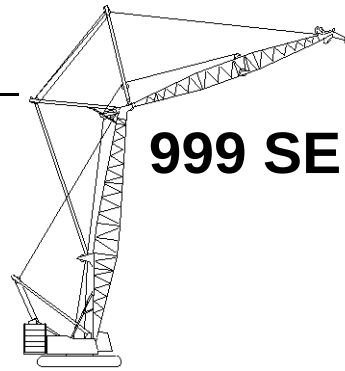
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate 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		
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	27,300*	
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	23,700*	
95							19.8	122.2	12,400*	28.5	132.5	14,000*	38.8	142.8	17,000*	46.9	148.6	20,700*	
100										19.0	120.2	12,400*	32.4	135.4	15,000*	41.6	143.2	18,200*	
105													24.4	125.5	13,300*	35.6	136.6	16,000*	
110													11.8	108.7	11,800*	28.6	128.2	14,200*	
115																19.1	116.0	12,600*	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

**Designed And Tested
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The Scope of ANSI B30.5**



999 SERIES 3

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	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	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	37,600*				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	32,500*				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	28,400*				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	25,000*	56.7	165.7	30,400*	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	22,100*	52.8	162.0	26,700*	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	19,600*	48.5	157.7	23,300	100
105							18.6	123.7	13,200*	26.7	134.8	14,700*	36.4	146.0	17,500*	44.0	152.7	19,900	105
110										17.8	121.7	13,200*	30.4	138.0	15,700*	39.1	146.8	16,800	110
115													22.9	127.5	14,100*	33.5	139.6	14,000	115
120													11.0	109.6	12,200	26.8	130.5	11,400	120
125																17.9	117.5	8,900	125

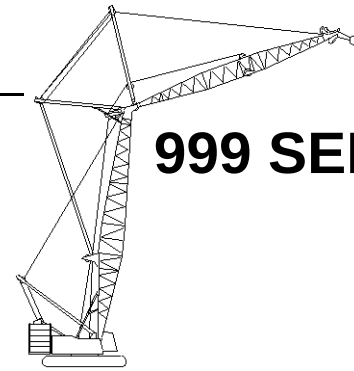
90 Ft. Boom, 190 Ft. Jib

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		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	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	25,300*	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	17,800*	51.8	153.2	21,900*	90
95							19.8	122.2	11,500*	28.5	132.5	12,900*	38.8	142.8	15,700*	46.9	148.6	19,100*	95
100										19.0	120.2	11,400*	32.4	135.4	13,800*	41.6	143.2	16,800*	100
105													24.4	125.5	12,300*	35.6	136.6	14,400	105
110													11.8	108.7	10,900*	28.6	128.2	11,100	110
115																19.1	116.0	8,000	115

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	34,700*			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	30,000*			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	26,100*			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	23,000*	56.7	165.7	27,000	
95	22.8	130.8	12,500*	27.7	137.6	13,400*	33.8	145.3	15,000*	39.0	151.1	16,800*	46.4	157.9	20,300*	52.8	162.0	22,700	
100	10.7	112.6	9,300*	19.2	125.3	12,100*	27.3	136.4	13,400*	33.4	143.9	15,000*	41.7	152.5	18,000*	48.5	157.7	18,800	
105							18.6	123.7	12,100*	26.7	134.8	13,400*	36.4	146.0	16,100*	44.0	152.7	15,400	
110										17.8	121.7	12,100*	30.4	138.0	13,300	39.1	146.8	12,200	
115													22.9	127.5	10,300	33.5	139.6	9,400	
120													11.0	109.6	7,200	26.8	130.5	6,700	
125																17.9	117.5	4,100	

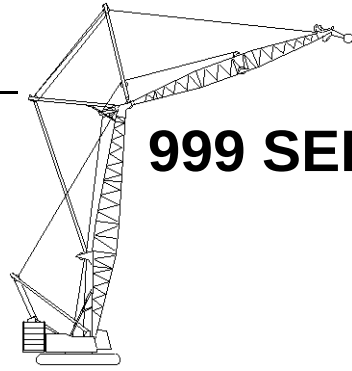
90 Ft. Boom, 210 Ft. Jib

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			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		
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	35,100*			80	
85	43.7	165.4	18,700*	46.3	168.4	20,100*	50.0	172.2	22,600*	53.5	175.2	25,300*	58.8	178.6	30,700*			85	
90	39.3	159.5	16,700*	42.1	163.0	18,000*	46.1	167.5	20,100*	49.8	171.0	22,500*	55.4	175.3	27,200*	57.1	174.4	23,400	90
95	34.4	152.5	15,000*	37.5	156.8	16,200*	41.8	162.1	18,000*	45.8	166.3	20,100*	51.7	171.4	24,100*	53.5	170.8	19,600	95
100	28.6	143.9	13,500*	32.3	149.3	14,600*	37.2	155.7	16,200*	41.5	160.8	18,100*	47.9	167.0	21,100	49.8	166.7	16,200	100
105	21.5	132.6	12,300*	26.2	139.9	13,100*	32.0	148.1	14,600*	36.9	154.4	16,200*	43.8	161.9	17,600	45.8	161.9	13,100	105
110				18.2	126.8	11,900*	25.8	138.6	13,200*	31.6	146.7	14,600*	39.4	156.0	14,500	41.6	156.5	10,300	110
115							17.5	125.2	12,000*	25.3	137.0	12,700	34.4	149.1	11,600	36.9	150.1	7,800	115
120										16.8	123.1	9,900	28.7	140.5	8,900	31.6	142.4	5,400	120
125													21.7	129.3	6,400				125

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	
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	25,400*	62.0	190.3	30,300*				85
90	45.4	174.6	16,700*	47.7	177.5	18,100*	51.0	181.1	20,500*	54.1	183.9	22,800*	58.9	187.3	27,000*				90
95	41.6	169.1	14,800*	44.0	172.4	16,100*	47.5	176.6	18,100*	50.8	179.9	20,400*	55.8	184.0	24,100*				95
100	37.3	162.8	13,200*	40.0	166.6	14,300*	43.8	171.5	16,100*	47.2	175.4	18,100*	52.5	180.2	21,600	57.3	183.1	19,900	100
105	32.7	155.4	11,800*	35.7	159.9	12,800*	39.8	165.7	14,400*	43.5	170.3	16,100*	49.1	176.0	18,200	54.1	179.5	16,500	105
110	27.2	146.3	10,500*	30.7	152.0	11,400*	35.4	158.9	12,800*	39.5	164.4	14,400*	45.5	171.2	15,000	50.8	175.5	13,500	110
115	20.5	134.3	9,300*	24.9	142.0	10,100*	30.4	150.8	11,400*	35.0	157.6	12,800*	41.6	165.7	12,200	47.3	171.0	10,800	115
120				17.3	128.3	9,000*	24.5	140.7	10,200*	30.0	149.4	11,000	37.4	159.4	9,600	43.5	165.9	8,300	120
125							16.6	126.6	9,100	24.0	139.1	8,500	32.7	152.0	7,200	39.5	160.0	6,000	125
130										15.9	124.4	6,000	27.3	142.9	5,000				130

90 Ft. Boom, 230 Ft. Jib

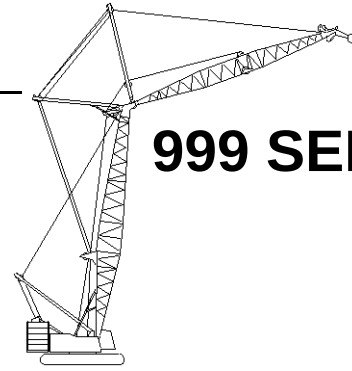
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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	
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	31,900*						80	
85	53.1	192.5	22,200*	55.0	194.6	23,700*	57.7	197.2	26,000*	60.4	199.3	28,700*						85	
90	50.0	188.3	20,100*	52.0	190.7	21,500*	54.8	193.8	23,500*	57.5	196.2	25,800*	61.8	198.9	30,300*			90	
95	46.8	183.7	18,000*	48.9	186.4	19,400*	51.8	189.9	21,400*	54.6	192.7	23,400*	59.0	196.0	26,100			95	
100	43.4	178.6	16,100*	45.5	181.6	17,400*	48.6	185.6	19,400*	51.6	188.8	21,300*	56.2	192.7	22,300	57.6	191.8	100	
105	39.7	172.7	14,500*	42.0	176.2	15,700*	45.3	180.8	17,500*	48.4	184.4	19,300*	53.2	189.0	18,900	54.7	188.3	105	
110	35.6	166.0	13,100*	38.2	170.1	14,100*	41.8	175.3	15,800*	45.1	179.6	17,500	50.1	184.9	15,800	51.6	184.4	110	
115	31.2	158.1	11,800*	34.0	163.0	12,700*	38.0	169.1	14,200*	41.5	174.1	14,600	46.8	180.3	13,000			115	
120	26.0	148.5	10,600*	29.3	154.5	11,500*	33.8	161.9	12,800	37.7	167.8	12,000	43.4	175.1	10,500	48.4	180.1	120	
125	19.5	136.0	9,600*	23.8	144.1	10,300*	29.0	153.4	10,300	33.4	160.5	9,500	39.7	169.3	8,100	45.1	175.2	125	
130				16.5	129.7	8,100*	23.4	142.7	8,000	28.7	151.9	7,300	35.7	162.6	6,000	41.5	169.7	130	
135							15.9	127.9	5,800	22.9	141.0	5,200						135	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

Designed And Tested
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The Scope of ANSI B30.5



999 SERIES 3

90 Ft. Boom, 240 Ft. Jib

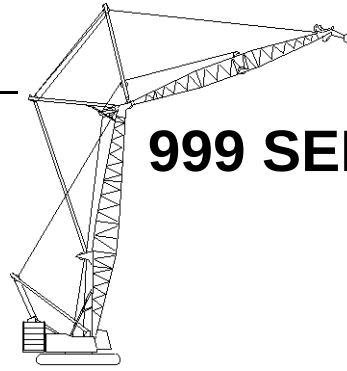
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle				86 Degree Boom Angle				83 Degree Boom Angle				80 Degree Boom Angle				75 Degree Boom Angle				70 Degree Boom Angle				Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall		Jib		Intermediate Fall		Jib		Intermediate Fall		Jib		Intermediate Fall		Jib		Intermediate 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		
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	27,100*													85
90	53.7	201.2	18,600*	55.4	203.3	19,900*	57.9	205.9	22,000*	60.3	208.0	24,300*													90
95	50.9	197.2	16,800*	52.7	199.5	17,900*	55.2	202.5	19,800*	57.7	204.9	21,800*	61.7	207.6	25,700*										95
100	47.9	192.8	15,100*	49.8	195.4	16,200*	52.5	198.7	17,800*	55.1	201.4	19,700*	59.1	204.6	22,400										100
105	44.8	187.9	13,700*	46.8	190.8	14,600*	49.6	194.5	16,100*	52.3	197.6	17,700*	56.5	201.4	19,000										105
110	41.5	182.4	12,300*	43.6	185.6	13,200*	46.6	189.9	14,600*	49.4	193.4	16,000*	53.7	197.8	16,000		57.8	200.5	14,100						110
115	38.0	176.1	11,100*	40.2	179.9	11,900*	43.4	184.7	13,100*	46.4	188.7	14,500*	50.9	193.8	13,200		55.1	197.0	11,500						115
120	34.2	169.0	10,000*	36.6	173.4	10,700*	40.0	178.9	11,900*	43.2	183.5	12,300	48.0	189.4	10,700		52.3	193.2	9,000						120
125	29.9	160.8	9,000*	32.6	165.9	9,700*	36.4	172.4	10,700*	39.8	177.7	9,900	44.9	184.4	8,400		49.4	189.0	6,800						125
130	24.9	150.7	8,000*	28.1	157.0	8,700*	32.4	164.8	8,600	36.1	171.0	7,700	41.6	178.9	6,200		46.4	184.3	4,800						130
135	18.7	137.6	5,700*	22.8	146.0	7,300	27.8	155.8	6,500	32.1	163.4	5,700	38.1	172.7	4,300										135
140				15.8	131.0	4,400*	22.4	144.7	4,500																140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

**Designed And Tested
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The Scope of ANSI B30.5**



999 SERIES 3

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

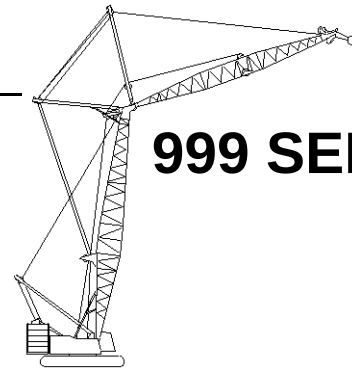
100 Ft. Boom, 80 Ft. Jib

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		
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

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

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



999 SERIES 3

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	
30	65.9	143.3	38,400*																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

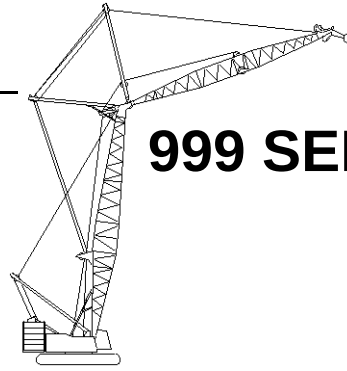
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
30	71.1	154.3	55,600*																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							29.0	129.4	16,500*	40.2	136.7	19,900*	54.2	143.1	28,000*				65
70										29.4	128.8	16,600*	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

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

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



999 SERIES 3

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	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	
30	65.9	143.3	35,900*	71.5	144.6	47,300*b	63.8	141.7	33,000*	64.0	140.9	33,400*	61.5	138.0	30,400*	49.2	129.9	21,200*	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*													40
45	36.5	129.9	16,300*	44.8	134.2	19,000*													45
50	19.3	119.1	13,300*	32.3	127.1	15,300*													50
55							32.9	126.9	15,500*	45.6	133.0	19,400*	61.5	138.0	30,400*	49.2	129.9	21,200*	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*	70						
75													38.0	124.1	16,900*				75
80							22.1	114.3	13,800*							22.1	114.3	13,800*	80

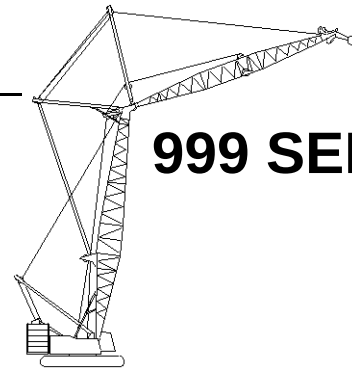
100 Ft. Boom, 120 Ft. Jib

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	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	
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

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

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



999 SERIES 3

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		
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

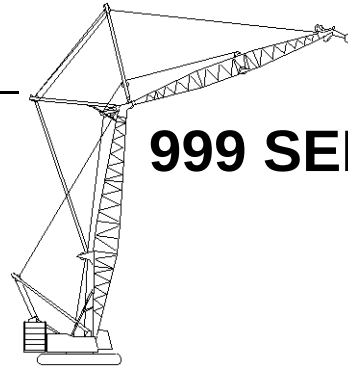
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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

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

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



999 SERIES 3

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	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	74.7	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

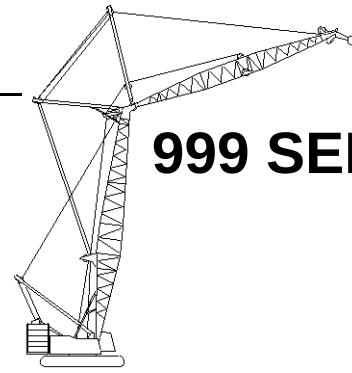
100 Ft. Boom, 160 Ft. Jib

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	38,300*			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	33,300*			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	29,200*			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	25,800*	55.5	174.0	30,700	
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	22,900*	51.4	170.1	27,100	
105							21.0	137.3	14,800*	29.2	148.1	16,700*	39.2	159.2	20,400*	47.1	165.6	23,900	
110										21.3	136.9	15,000*	33.7	152.1	18,200*	42.5	160.3	20,900	
115													27.1	143.0	16,300*	37.4	154.0	18,200	
120													18.2	130.2	14,600*	31.5	146.4	15,800	
125																24.4	136.4	13,500	
130																13.9	120.8	11,200	

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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	26,200*	
95							22.4	135.5	12,800*	31.1	145.6	14,600*	41.8	155.6	18,100*	50.3	161.2	22,700*	
100										22.7	135.0	12,900*	35.9	149.1	16,000*	45.3	156.4	19,900*	
105													28.8	140.7	14,100*	39.8	150.7	17,500*	
110													19.5	128.7	12,600*	33.6	143.6	15,400*	
115																26.0	134.3	12,700	
120																14.8	119.6	9,900	

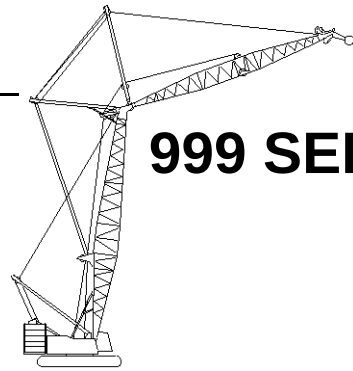
100 Ft. Boom, 180 Ft. Jib

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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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	35,100*				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	30,500*				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	26,700*				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	23,500*	55.5	174.0	26,300	95
100	12.0	124.6	12,300*	20.6	137.4	13,300*	29.0	148.7	15,000*	35.4	156.5	17,000*	44.2	165.1	20,900*	51.4	170.1	22,600	100
105							21.0	137.3	13,500*	29.2	148.1	15,200*	39.2	159.2	18,600*	47.1	165.6	19,200	105
110										21.3	136.9	13,600*	33.7	152.1	16,600*	42.5	160.3	16,200	110
115													27.1	143.0	14,900	37.4	154.0	13,500	115
120													18.2	130.2	12,200	31.5	146.4	10,900	120
125																24.4	136.4	8,600	125
130																13.9	120.8	6,200	130

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	25,400*			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	21,900*			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	19,100*	54.9	165.3	24,200*	
95							22.4	135.5	11,700*	31.1	145.6	13,400*	41.8	155.6	16,700*	50.3	161.2	21,000*	
100										22.7	135.0	11,900*	35.9	149.1	14,700*	45.3	156.4	17,600	
105													28.8	140.7	13,000*	39.8	150.7	14,000	
110													19.5	128.7	11,500	33.6	143.6	10,800	
115																26.0	134.3	7,800	
120																14.8	119.6	4,900	

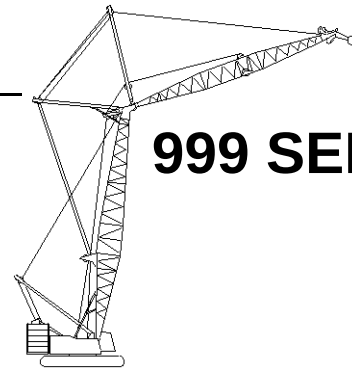
100 Ft. Boom, 200 Ft. Jib

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			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	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	32,400*				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	28,100*				85
90	30.8	152.0	13,900*	35.0	157.4	15,200*	40.6	163.9	17,300*	45.6	168.7	19,700*	52.9	174.3	24,600*				90
95	23.4	141.6	12,500*	28.7	149.0	13,600*	35.3	157.1	15,400*	40.8	163.2	17,500*	48.7	170.1	21,600*	55.5	174.0	22,100	95
100	12.0	124.6	11,300*	20.6	137.4	12,200*	29.0	148.7	13,800*	35.4	156.5	15,600*	44.2	165.1	19,200*	51.4	170.1	18,300	100
105							21.0	137.3	12,300*	29.2	148.1	13,900*	39.2	159.2	16,200	47.1	165.6	14,900	105
110										21.3	136.9	12,500*	33.7	152.1	13,000	42.5	160.3	11,800	110
115													27.1	143.0	10,100	37.4	154.0	9,000	115
120													18.2	130.2	7,200	31.5	146.4	6,300	120

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	30,000*							80
85	44.0	175.7	18,700*	46.9	179.0	20,400*	50.9	183.2	23,200*	54.7	186.3	26,500*	60.6	189.9	33,000*				85
90	39.6	169.9	16,800*	42.7	173.8	18,200*	47.1	178.6	20,700*	51.1	182.4	23,500*	57.2	186.7	28,800				90
95	34.7	163.0	15,100*	38.2	167.7	16,400*	42.9	173.4	18,500*	47.2	177.9	20,900*	53.6	183.1	24,500				95
100	29.1	154.6	13,500*	33.1	160.4	14,700*	38.4	167.3	16,600*	43.0	172.7	18,700*	49.9	179.0	20,700	56.0	182.7	18,900	100
105	22.1	143.5	12,200*	27.1	151.3	13,200*	33.3	160.1	14,900*	38.5	166.6	16,800*	46.0	174.3	17,200	52.4	178.9	15,600	105
110	11.3	125.5	10,200*	19.5	139.0	12,000*	27.4	151.1	13,500*	33.5	159.4	15,100*	41.7	168.9	14,100	48.6	174.6	12,600	110
115							19.9	139.0	12,200*	27.6	150.5	12,600	37.1	162.5	11,200	44.5	169.7	9,800	115
120										20.2	138.6	9,800	31.8	154.9	8,600	40.1	164.0	7,300	120
125													25.6	145.2	6,100	35.3	157.2	5,000	125

100 Ft. Boom, 220 Ft. Jib

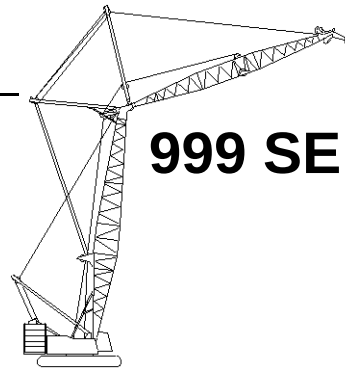
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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	29,800*							80
85	49.3	189.7	18,900*	51.7	192.5	20,800*	55.1	195.9	23,600*	58.4	198.5	26,500*							85
90	45.7	185.0	16,800*	48.2	188.1	18,400*	51.8	192.0	21,100*	55.2	195.1	23,700*	60.5	198.5	28,700*				90
95	41.8	179.5	14,900*	44.5	183.1	16,300*	48.4	187.6	18,700*	51.9	191.2	21,300*	57.4	195.4	24,900				95
100	37.6	173.3	13,200*	40.6	177.5	14,500*	44.7	182.7	16,600*	48.5	186.9	18,900*	54.2	191.9	21,100				100
105	33.0	165.9	11,700*	36.3	170.9	12,900*	40.8	177.1	14,700*	44.8	182.0	16,800*	50.9	187.9	17,700	56.3	191.4	15,800	105
110	27.6	157.0	10,500*	31.5	163.1	11,500*	36.5	170.6	13,100*	40.9	176.4	14,900*	47.4	183.4	14,600	53.1	187.7	12,800	110
115	21.0	145.3	9,300*	25.8	153.5	10,200*	31.7	162.9	11,700*	36.6	169.9	13,300*	43.7	178.3	11,800	49.7	183.6	10,100	115
120	10.7	126.3	6,000*	18.5	140.6	9,100*	26.1	153.4	10,400*	31.8	162.2	10,700	39.6	172.4	9,200	46.1	178.9	7,700	120
125							18.9	140.6	9,000	26.3	152.8	8,300	35.2	165.6	6,900	42.3	173.5	5,400	125
130										19.1	140.2	5,900	30.2	157.5	4,700				130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	
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	37,400*							75
80	56.3	206.4	24,800*	58.3	208.4	26,600*	61.2	211.0	29,700*	64.1	212.9	33,300*							80
85	53.4	202.7	22,400*	55.4	205.0	24,100*	58.4	207.9	26,800*	61.3	210.2	29,800*							85
90	50.3	198.6	20,100*	52.4	201.3	21,800*	55.6	204.6	24,200*	58.5	207.2	26,900*							90
95	47.0	194.1	18,000*	49.3	197.1	19,700*	52.6	200.8	21,900*	55.6	203.8	24,300*	60.5	207.2	25,500				95
100	43.6	189.0	16,200*	46.0	192.3	17,600*	49.4	196.6	19,900*	52.7	200.0	22,000*	57.7	204.1	21,700				100
105	39.9	183.2	14,500*	42.5	187.0	15,800*	46.1	191.9	17,900*	49.5	195.9	20,000*	54.7	200.6	18,300				105
110	35.9	176.5	13,100*	38.8	181.0	14,200*	42.7	186.6	16,100*	46.3	191.2	17,200	51.7	196.7	15,300	56.7	200.1	13,400	110
115	31.5	168.7	11,700*	34.6	174.0	12,800*	38.9	180.6	14,500*	42.8	185.9	14,300	48.6	192.4	12,500	53.7	196.5	10,800	115
120	26.4	159.3	10,600*	30.0	165.8	11,500*	34.8	173.7	12,700	39.0	179.9	11,700	45.2	187.6	10,000	50.6	192.5	8,300	120
125	20.1	147.0	9,500*	24.6	155.7	10,400*	30.2	165.5	10,200	35.0	173.0	9,300	41.7	182.1	7,700	47.4	188.0	6,100	125
130				17.7	142.0	8,700	24.9	155.5	7,900	30.4	164.9	7,000	37.8	175.8	5,500	44.0	182.9	4,000	130
135							18.0	142.1	5,700	25.1	155.0	4,900							135

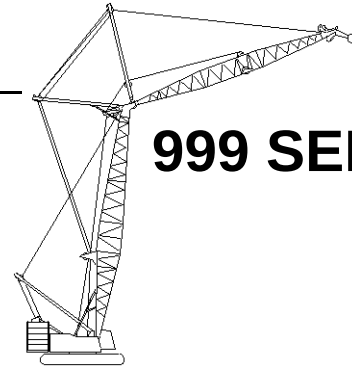
100 Ft. Boom, 240 Ft. Jib

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	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.	
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*										65
70	64.3	223.9	29,000*	66.0	225.3	31,500*	70.9	228.9	40,600*							70
							68.5	227.0	35,700*							
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	31,700*				80
85	56.6	215.1	20,900*	58.5	217.1	22,500*	61.1	219.6	25,200*	63.7	221.5	28,300*				85
90	53.9	211.5	18,800*	55.8	213.8	20,200*	58.6	216.6	22,600*	61.2	218.8	25,300*				90
95	51.1	207.5	16,900*	53.1	210.1	18,200*	55.9	213.3	20,400*	58.7	215.8	22,700*	63.0	218.7	25,500	95
100	48.1	203.1	15,300*	50.2	206.0	16,500*	53.2	209.6	18,400*	56.0	212.5	20,500*	60.4	215.9	21,800	100
105	45.0	198.2	13,800*	47.2	201.4	14,900*	50.3	205.5	16,600*	53.3	208.8	18,400*	57.8	212.8	18,400	105
110	41.8	192.8	12,400*	44.1	196.4	13,400*	47.3	201.0	15,000*	50.4	204.8	16,700*	55.2	209.3	15,400	110
115	38.3	186.6	11,200*	40.7	190.7	12,100*	44.2	196.0	13,500*	47.4	200.3	14,600	52.4	205.6	12,700	115
120	34.4	179.6	10,100*	37.1	184.3	10,900*	40.9	190.3	12,200*	44.3	195.2	12,000	49.5	201.4	10,200	120
125	30.2	171.4	9,000*	33.2	177.0	9,900*	37.3	184.0	10,700	41.0	189.6	9,700	46.5	196.7	7,900	125
130	25.3	161.5	8,000*	28.8	168.3	8,800*	33.4	176.7	8,500	37.4	183.3	7,500	43.3	191.5	5,800	130
135	19.2	148.7	6,400*	23.6	157.7	7,300	29.0	168.1	6,400	33.5	176.0	5,400				135
140				16.9	143.5	5,200	23.8	157.6	4,400							140

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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

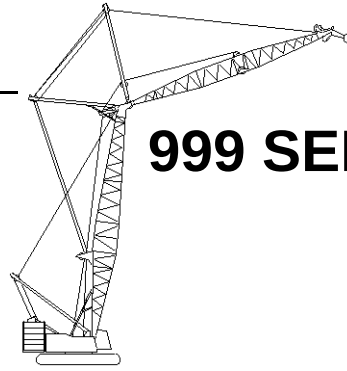
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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

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

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



999 SERIES 3

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	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	39,600*																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*										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

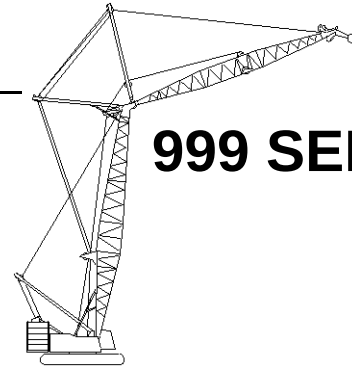
110 Ft. Boom, 100 Ft. Jib

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	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.
30	71.5	164.4	57,300*	70.1	163.6	53,000*		163.3	56,000*		160.4	42,500*						30		
35	65.2	162.2	41,400*		161.3	38,900*		161.0	40,700*		35									
40	58.5	159.2	31,900*		63.7	158.1		30,300*	64.6		161.0	40,700*						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*
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
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

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

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



999 SERIES 3

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

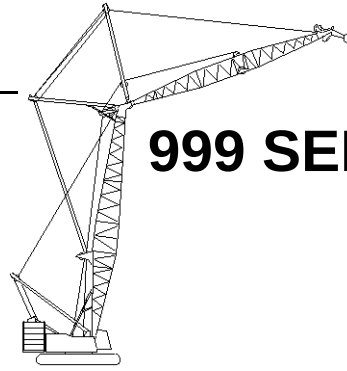
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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

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

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



999 SERIES 3

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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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

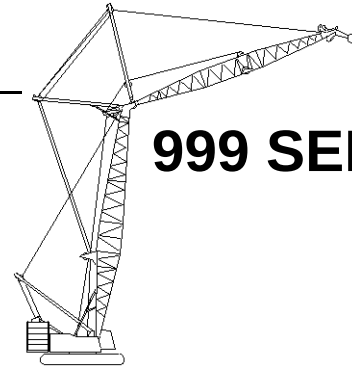
110 Ft. Boom, 140 Ft. Jib

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

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

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



999 SERIES 3

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	
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	31,500*	90
95							24.8	148.5	14,300*	33.6	158.3	16,500*	44.6	168.2	21,000*	53.5	173.5	27,100*	95
100							12.5	132.2	12,700*	26.0	149.0	14,600*	39.0	162.3	18,500*	48.7	169.2	23,600*	100
105										14.8	134.4	13,000*	32.6	155.0	16,400*	43.6	164.1	20,700*	105
110													24.8	145.2	14,500*	37.9	158.0	18,200*	110
115													12.5	129.0	12,900*	31.4	150.4	16,100*	115
120																23.0	140.0	14,300*	120

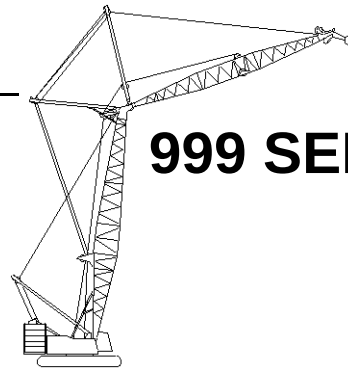
110 Ft. Boom, 160 Ft. Jib

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 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	73.3	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	41,500*			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	35,900*			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	31,300*			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	27,500*			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	24,300*	54.2	182.2	26,000	
105							23.2	150.4	15,200*	31.5	161.1	17,300*	41.8	172.0	21,600*	50.1	178.2	22,800	
110							11.7	133.1	13,700*	24.4	151.1	15,500*	36.6	165.6	19,300*	45.7	173.4	19,900	
115										13.9	135.5	13,900*	30.6	157.7	17,300*	40.9	167.9	17,300	
120													23.2	147.2	15,500*	35.6	161.2	14,900	
125													11.7	129.9	13,900*	29.4	152.9	12,700	
130																21.6	141.8	10,600	

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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	
35	74.9	194.3	59,000*															35	
40	71.1	192.7	52,800*															40	
45	67.3	190.6	42,600*															45	
50	63.2	188.1	35,200*	70.2	191.9	50,100*	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	35,200*			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	29,800*			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	25,600*			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	22,200*	57.9	177.1	29,100*	90
95							24.8	148.5	13,100*	33.6	158.3	15,200*	44.6	168.2	19,400*	53.5	173.5	25,000	95
100							12.5	132.2	11,700*	26.0	149.0	13,400*	39.0	162.3	17,100*	48.7	169.2	21,300	100
105										14.8	134.4	11,900*	32.6	155.0	15,100*	43.6	164.1	18,000	105
110													24.8	145.2	13,400*	37.9	158.0	14,900	110
115													12.5	129.0	11,900*	31.4	150.4	12,100	115
120																23.0	140.0	9,500	120

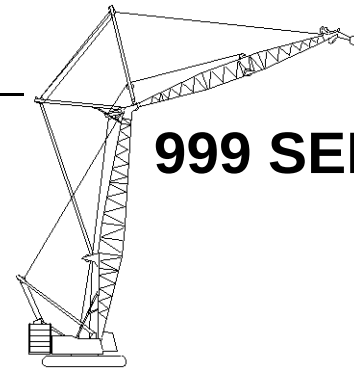
110 Ft. Boom, 180 Ft. Jib

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			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	73.3	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	38,100*			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	32,900*			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	28,600*			90	
95	24.0	152.5	13,700*	29.7	160.2	15,000*	36.6	168.8	17,300*	42.5	175.1	19,900*	50.9	182.0	25,200*			95	
100	13.2	136.3	12,400*	22.0	149.3	13,500*	30.6	160.9	15,400*	37.4	168.8	17,700*	46.5	177.4	22,200*	54.2	182.2	21,600	
105							23.2	150.4	13,800*	31.5	161.1	15,800*	41.8	172.0	19,800*	50.1	178.2	18,300	
110							11.7	133.1	12,400*	24.4	151.1	14,100*	36.6	165.6	17,200	45.7	173.4	15,400	
115										13.9	135.5	12,700*	30.6	157.7	14,400	40.9	167.9	12,700	
120													23.2	147.2	11,700	35.6	161.2	10,200	
125													11.7	129.9	9,000	29.4	152.9	7,900	
130																21.6	141.8	5,700	

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	74.9	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	32,600*			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	27,600*			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	23,700*			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	20,600*	57.9	177.1	25,000	
95							24.8	148.5	12,100*	33.6	158.3	14,000*	44.6	168.2	17,900*	53.5	173.5	20,700	
100							12.5	132.2	10,800*	26.0	149.0	12,400*	39.0	162.3	15,800*	48.7	169.2	16,900	
105										14.8	134.4	11,000*	32.6	155.0	13,900*	43.6	164.1	13,400	
110													24.8	145.2	11,300	37.9	158.0	10,300	
115													12.5	129.0	7,900	31.4	150.4	7,400	
120																23.0	140.0	4,600	

110 Ft. Boom, 200 Ft. Jib

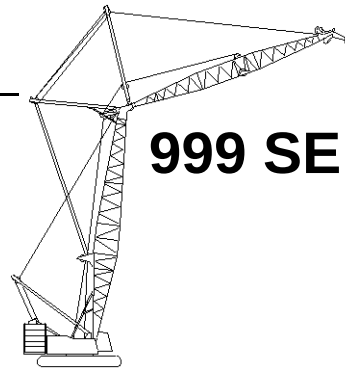
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	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	35,100*				80
85	37.1	170.4	15,700*	41.1	175.1	17,300*	46.5	180.6	20,100*	51.4	184.8	23,300*	58.8	189.4	30,300*				85
90	31.2	162.6	14,000*	35.8	168.4	15,400*	41.8	175.2	17,800*	47.1	180.3	20,600*	55.0	186.0	26,400*				90
95	24.0	152.5	12,500*	29.7	160.2	13,700*	36.6	168.8	15,800*	42.5	175.1	18,200*	50.9	182.0	23,100				95
100	13.2	136.3	11,300*	22.0	149.3	12,300*	30.6	160.9	14,100*	37.4	168.8	16,200*	46.5	177.4	19,200	54.2	182.2	17,500	100
105							23.2	150.4	12,600*	31.5	161.1	14,500*	41.8	172.0	15,700	50.1	178.2	14,100	105
110							11.7	133.1	11,400*	24.4	151.1	12,900*	36.6	165.6	12,600	45.7	173.4	11,100	110
115										13.9	135.5	10,600	30.6	157.7	9,600	40.9	167.9	8,300	115
120													23.2	147.2	6,900	35.6	161.2	5,700	120
125													11.7	129.9	4,100				125



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	41,600*							70
75	52.2	195.4	23,800*	55.0	198.1	26,300*	59.0	201.3	30,700*	62.7	203.7	36,000*							75
80	48.4	191.1	21,100*	51.3	194.2	23,300*	55.5	197.9	27,000*	59.4	200.8	31,400*							80
85	44.3	186.1	18,800*	47.5	189.7	20,700*	51.9	194.1	23,900*	56.0	197.5	27,600*	62.3	201.0	32,900				85
90	39.9	180.3	16,800*	43.3	184.5	18,500*	48.0	189.7	21,300*	52.4	193.7	24,400*	59.0	198.1	28,100				90
95	35.1	173.5	15,100*	38.9	178.6	16,600*	44.0	184.7	19,000*	48.6	189.4	21,800*	55.5	194.7	23,800				95
100	29.5	165.2	13,600*	33.9	171.4	14,900*	39.5	178.8	17,000*	44.5	184.4	19,400*	51.9	190.9	20,000				100
105	22.7	154.4	12,300*	28.1	162.7	13,400*	34.6	171.9	15,300*	40.1	178.7	17,400*	48.0	186.5	16,600	54.8	191.0	14,700	105
110	12.4	137.3	11,200*	20.7	151.0	12,100*	29.0	163.4	13,800*	35.3	171.9	15,300	44.0	181.4	13,500	51.2	187.0	11,800	110
115							21.9	152.3	12,400*	29.8	163.7	12,300	39.5	175.6	10,700	47.3	182.5	9,100	115
120							11.0	134.0	10,100	23.0	153.1	9,500	34.6	168.7	8,100	43.2	177.4	6,600	120
125										13.1	136.5	6,800	29.0	160.2	5,700	38.7	171.3	4,300	125

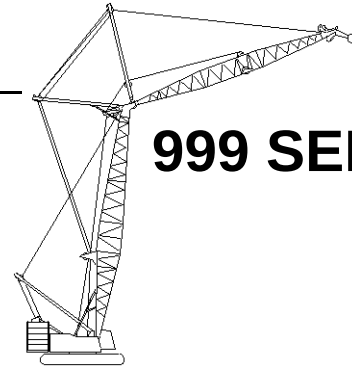
110 Ft. Boom, 220 Ft. Jib

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	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	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	35,300*				75
80	52.9	204.2	21,500*	55.5	206.8	23,900*	59.1	210.0	27,200*	62.5	212.3	31,200*				80
85	49.5	200.0	19,000*	52.2	203.0	21,100*	55.9	206.6	24,300*	59.5	209.4	27,700*				85
90	45.9	195.3	16,800*	48.7	198.7	18,700*	52.7	202.9	21,700*	56.3	206.2	24,700*	62.1	209.7	28,300	90
95	42.1	189.9	14,900*	45.1	193.8	16,500*	49.2	198.7	19,200*	53.1	202.5	22,200*	59.1	206.7	24,100	95
100	38.0	183.7	13,200*	41.2	188.3	14,700*	45.6	193.9	17,000*	49.7	198.3	19,700*	55.9	203.4	20,400	100
105	33.3	176.5	11,800*	36.9	181.9	13,000*	41.8	188.5	15,100*	46.1	193.6	17,500*	52.7	199.7	17,000	105
110	28.0	167.7	10,500*	32.2	174.3	11,600*	37.6	182.2	13,500*	42.3	188.3	15,500*	49.2	195.5	13,900	110
115	21.5	156.3	9,300*	26.7	165.0	10,300*	32.9	174.8	12,000*	38.2	182.1	13,100	45.6	190.7	11,200	115
120	11.8	138.3	7,600*	19.7	152.7	9,200*	27.5	165.8	10,700*	33.6	174.9	10,400	41.8	185.2	8,700	120
125							20.9	154.1	8,900	28.3	166.2	8,000	37.6	179.0	6,300	125
130							10.4	134.8	6,300	21.9	155.0	5,700	32.9	171.6	4,200	130

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	75.1	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	39,100*				75
80	56.5	216.6	25,000*	58.7	218.9	27,100*	61.9	221.6	30,600*	65.0	223.6	34,700*				80
85	53.6	213.0	22,600*	55.8	215.5	24,500*	59.1	218.6	27,500*	62.3	221.0	31,000*				85
90	50.5	208.9	20,200*	52.9	211.8	22,100*	56.3	215.4	24,800*	59.5	218.1	27,900*				90
95	47.3	204.4	18,100*	49.7	207.6	19,900*	53.3	211.7	22,500*	56.7	214.9	25,200*	61.9	218.4	24,700	95
100	43.8	199.3	16,200*	46.5	203.0	17,800*	50.2	207.6	20,400*	53.7	211.2	22,900*	59.1	215.4	21,000	100
105	40.2	193.6	14,600*	43.0	197.8	16,000*	47.0	203.0	18,400*	50.6	207.2	19,900	56.3	212.1	17,600	105
110	36.2	187.0	13,100*	39.3	191.8	14,400*	43.5	197.9	16,500*	47.4	202.7	16,800	53.3	208.5	14,600	110
115	31.8	179.3	11,700*	35.2	185.0	12,900*	39.9	192.1	14,800*	44.0	197.7	13,900	50.2	204.4	11,900	115
120	26.8	170.0	10,500*	30.7	177.0	11,600*	35.9	185.4	12,500	40.4	191.9	11,300	47.0	199.8	9,400	120
125	20.6	158.0	9,500*	25.5	167.2	10,500*	31.4	177.6	10,000	36.4	185.4	8,900	43.5	194.7	7,100	125
130	11.2	139.2	4,200*	18.8	154.3	8,700	26.3	168.1	7,700	32.0	177.8	6,700	39.9	188.8	5,000	130
135							19.9	155.8	5,600	27.0	168.6	4,700				135

110 Ft. Boom, 240 Ft. Jib

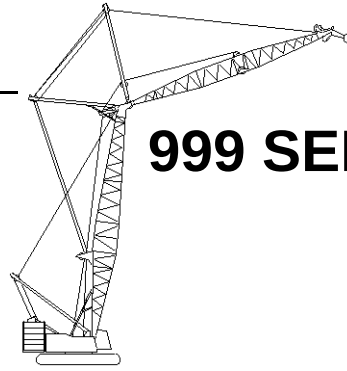
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib 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	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	33,200*				80
85	56.8	225.3	21,100*	58.8	227.5	22,900*	61.8	230.2	26,000*	64.6	232.3	29,500*				85
90	54.1	221.7	19,000*	56.2	224.2	20,600*	59.2	227.3	23,300*	62.1	229.7	26,400*				90
95	51.3	217.8	17,100*	53.4	220.6	18,500*	56.6	224.1	20,900*	59.6	226.8	23,700*				95
100	48.3	213.4	15,400*	50.6	216.5	16,700*	53.8	220.5	18,900*	56.9	223.5	21,300*	61.8	227.0	21,000	100
105	45.3	208.6	13,900*	47.6	212.1	15,100*	51.0	216.5	17,000*	54.2	220.0	19,200*	59.2	224.1	17,700	105
110	42.0	203.2	12,600*	44.5	207.1	13,600*	48.1	212.1	15,400*	51.4	216.1	17,000	56.6	220.8	14,700	110
115	38.5	197.1	11,300*	41.2	201.5	12,300*	45.0	207.2	13,900*	48.5	211.7	14,200	53.8	217.2	12,000	115
120	34.7	190.1	10,200*	37.7	195.2	11,100*	41.7	201.7	12,600*	45.4	206.9	11,600	51.0	213.2	9,500	120
125	30.5	182.0	9,000*	33.8	188.0	10,000*	38.2	195.5	10,500	42.2	201.5	9,300	48.1	208.8	7,300	125
130	25.7	172.2	7,900*	29.4	179.6	8,900*	34.4	188.5	8,300	38.7	195.4	7,100	45.0	203.9	5,200	130
135	19.7	159.7	7,000*	24.4	169.3	7,200	30.1	180.2	6,200	34.9	188.5	5,100				135
140				18.0	155.8	5,200	25.2	170.3	4,200							140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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*															35	
40	49.4	156.7	30,700*	57.3	159.9	38,100*												40	
45	38.3	150.9	24,700*	47.7	155.6	29,700*	59.4	160.0	41,100*									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	75	
80																42.4	145.3	27,300*	80
85																29.0	137.5	22,200*	85

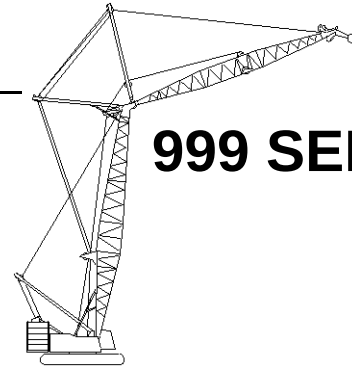
120 Ft. Boom, 80 Ft. Jib

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	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	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

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

Designed And Tested
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The Scope of ANSI B30.5



999 SERIES 3

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

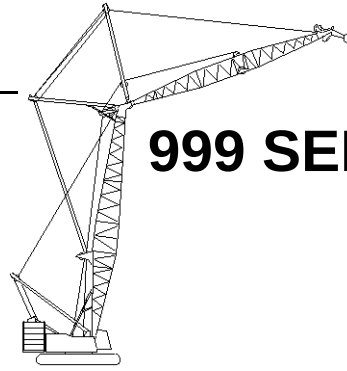
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		
35	65.7	172.3	42,500*	70.9	173.9	56,100*												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

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

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



999 SERIES 3

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	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	
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

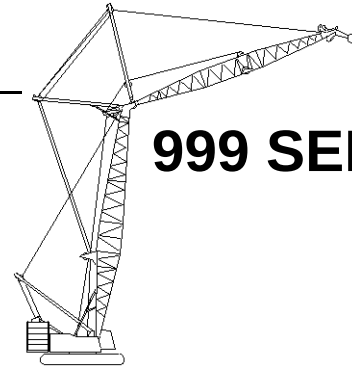
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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

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

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



999 SERIES 3

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 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	75.1	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

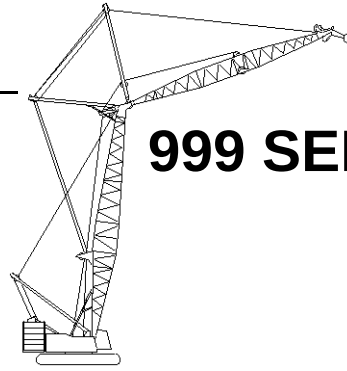
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate 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		
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	28,900*	90
95										20.9	148.8	13,500*	38.8	165.4	18,100*	50.8	172.7	24,500*	95
100													31.3	157.8	15,700*	45.1	167.9	21,000*	100
105													21.4	146.9	13,700*	38.7	162.0	18,200*	105
110																31.2	154.3	15,800*	110
115																21.2	143.3	13,800*	115



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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	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	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	35,200*				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	30,100*				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	26,000*	56.5	185.4	28,600	90
95				12.4	142.7	12,600*	26.9	161.1	14,700*	35.9	170.8	17,200*	47.3	180.5	22,600*	52.0	181.6	25,100	95
100							16.4	147.4	13,100*	28.8	162.5	15,200*	42.0	175.2	19,800*	47.2	177.1	21,900	100
105										19.5	150.4	13,500*	36.1	168.6	17,500*	41.9	171.7	19,000	105
110													29.1	160.3	15,500*	36.0	165.2	16,400	110
115													19.9	148.5	13,700*	29.0	156.9	13,900	115
120																19.7	145.0	11,600	120
125																			125

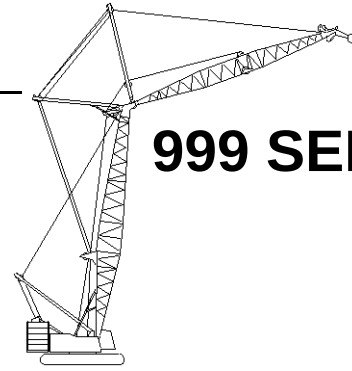
120 Ft. Boom, 160 Ft. Jib

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	38,800*			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	33,700*			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	29,500*	56.9	194.1	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	26,000*	53.0	190.4	100	
105				11.6	143.6	13,600*	25.2	163.3	15,600*	33.7	173.8	18,000*	44.3	184.6	23,000*	48.8	186.1	105	
110							15.4	148.7	14,000*	27.1	164.8	16,100*	39.4	178.7	20,500*	44.3	181.2	110	
115										18.2	152.0	14,500*	33.9	171.6	18,300*	39.3	175.3	115	
120													27.3	162.7	16,300	33.8	168.2	120	
125													18.6	150.1	13,900	27.2	159.2	125	
130																27.2	159.2	130	
135																18.5	146.5	135	

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	32,600*				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	27,800*				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	24,000*				90
95				12.4	142.7	11,600*	26.9	161.1	13,500*	35.9	170.8	15,900*	47.3	180.5	20,900*	56.5	185.4	24,200	95
100							16.4	147.4	12,000*	28.8	162.5	14,000*	42.0	175.2	18,300*	52.0	181.6	20,600	100
105										19.5	150.4	12,400*	36.1	168.6	16,100*	47.2	177.1	17,300	105
110													29.1	160.3	14,200*	41.9	171.7	14,300	110
115													19.9	148.5	12,600*	36.0	165.2	11,500	115
120																29.0	156.9	9,000	120
125																19.7	145.0	6,500	125

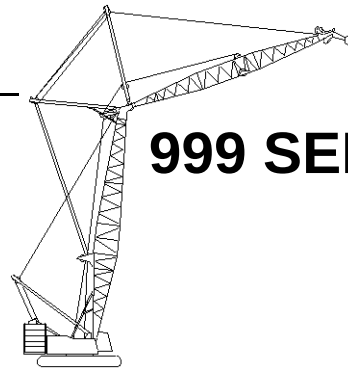
120 Ft. Boom, 180 Ft. Jib

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			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	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	35,600*				85
90	31.7	173.2	15,400*	36.6	179.4	17,100*	43.0	186.6	20,000*	48.7	191.8	23,400*	57.0	197.5	30,800*				90
95	24.6	163.3	13,800*	30.6	171.5	15,200*	38.0	180.4	17,800*	44.2	186.8	20,700*	53.0	193.8	26,900				95
100	14.2	147.9	12,400*	23.2	161.0	13,600*	32.2	172.9	15,800*	39.2	180.9	18,400*	48.8	189.5	23,100	56.9	194.1	20,700	100
105				11.6	143.6	12,300*	25.2	163.3	14,200*	33.7	173.8	16,400*	44.3	184.6	19,800	53.0	190.4	17,500	105
110							15.4	148.7	12,700*	27.1	164.8	14,700*	39.4	178.7	16,700	48.8	186.1	14,600	110
115										18.2	152.0	13,200*	33.9	171.6	13,900	44.3	181.2	12,000	115
120													27.3	162.7	11,300	39.3	175.3	9,500	120
125													18.6	150.1	8,900	33.8	168.2	7,300	125
130																27.2	159.2	5,200	130

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	30,200*				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	25,700*				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	22,200*				90
95				12.4	142.7	10,700*	26.9	161.1	12,400*	35.9	170.8	14,600*	47.3	180.5	19,300*	56.5	185.4	20,100	95
100							16.4	147.4	11,000*	28.8	162.5	12,900*	42.0	175.2	16,900*	52.0	181.6	16,300	100
105										19.5	150.4	11,400*	36.1	168.6	14,300	47.2	177.1	12,900	105
110													29.1	160.3	11,000	41.9	171.7	9,800	110
115													19.9	148.5	7,900	36.0	165.2	7,000	115
120																29.0	156.9	4,300	120

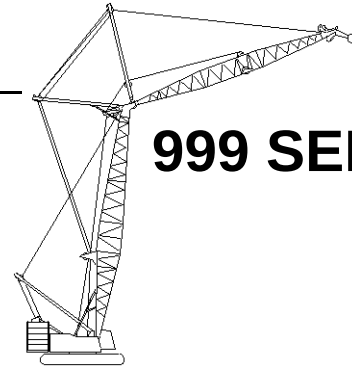
120 Ft. Boom, 200 Ft. Jib

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			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		
40	73.6	213.4	59,000*															40	
45	70.2	211.6	50,600*	73.0	212.8	59,000*												45	
50	66.7	209.5	41,900*	69.6	211.0	49,100*												50	
55	63.1	207.0	35,400*	66.1	208.8	40,900*	70.5	210.7	51,700*									55	
60	59.4	204.1	30,300*	62.5	206.2	34,700*	67.0	208.6	42,900*									60	
65	55.6	200.7	26,200*	58.8	203.3	29,800*	63.4	206.2	36,300*	67.8	208.1	44,900*						65	
70	51.5	196.9	22,900*	54.9	199.8	25,800*	59.8	203.3	31,100*	64.3	205.8	37,900*						70	
75	47.2	192.4	20,100*	50.9	195.9	22,600*	55.9	200.0	26,900*	60.7	203.0	32,400*						75	
80	42.6	187.1	17,800*	46.5	191.3	19,900*	51.9	196.2	23,500*	56.9	199.8	28,000*						80	
85	37.5	180.9	15,800*	41.8	185.9	17,600*	47.6	191.7	20,700*	52.9	196.1	24,500*	60.8	200.7	31,700			85	
90	31.7	173.2	14,100*	36.6	179.4	15,600*	43.0	186.6	18,300*	48.7	191.8	21,500*	57.0	197.5	26,800			90	
95	24.6	163.3	12,600*	30.6	171.5	13,900*	38.0	180.4	16,300*	44.2	186.8	19,000*	53.0	193.8	22,600			95	
100	14.2	147.9	11,300*	23.2	161.0	12,500*	32.2	172.9	14,500*	39.2	180.9	16,900*	48.8	189.5	18,700	56.9	194.1	16,800	
105				11.6	143.6	11,300*	25.2	163.3	13,000*	33.7	173.8	15,000*	44.3	184.6	15,300	53.0	190.4	13,500	
110							15.4	148.7	11,600*	27.1	164.8	13,400*	39.4	178.7	12,100	48.8	186.1	10,500	
115										18.2	152.0	10,600	33.9	171.6	9,300	44.3	181.2	7,700	
120													27.3	162.7	6,600	39.3	175.3	5,200	
125													18.6	150.1	4,100				

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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	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	75.3	223.8	59,000*													40
45	72.3	222.2	56,400*													45
50	69.2	220.4	48,400*	71.8	221.6	55,000*										50
55	66.0	218.2	41,500*	68.7	219.7	47,300*										55
60	62.8	215.6	35,600*	65.5	217.5	40,600*	69.4	219.5	49,100*							60
65	59.5	212.7	31,000*	62.3	214.9	35,000*	66.3	217.3	42,400*							65
70	56.1	209.4	27,100*	58.9	211.9	30,500*	63.1	214.9	36,500*	67.1	216.8	44,100*				70
75	52.5	205.7	23,900*	55.5	208.6	26,700*	59.8	212.0	31,800*	63.9	214.4	37,900*				75
80	48.7	201.4	21,200*	51.8	204.7	23,700*	56.3	208.7	27,900*	60.6	211.7	33,000*				80
85	44.6	196.5	18,900*	48.0	200.3	21,000*	52.8	205.0	24,600*	57.2	208.5	28,900*				85
90	40.3	190.8	16,900*	43.9	195.3	18,700*	49.0	200.8	21,900*	53.6	204.9	25,500*	60.7	209.3	27,400	90
95	35.4	184.0	15,100*	39.5	189.4	16,800*	45.0	195.9	19,500*	49.9	200.8	22,700*	57.3	206.2	23,200	95
100	29.9	175.9	13,600*	34.6	182.5	15,000*	40.6	190.2	17,400*	46.0	196.1	20,200*	53.8	202.6	19,500	100
105	23.2	165.3	12,300*	28.9	174.0	13,500*	35.9	183.6	15,700*	41.7	190.6	18,100*	50.0	198.5	16,100	105
110	13.4	149.0	11,200*	21.9	162.9	12,200*	30.4	175.6	14,100*	37.1	184.3	15,000	46.1	193.8	13,000	110
115				10.9	144.5	11,100*	23.8	165.3	12,700*	31.8	176.6	12,000	41.9	188.4	10,200	115
120							14.5	149.9	10,100	25.6	167.0	9,300	37.2	182.1	7,700	120
125										17.2	153.4	6,700	32.0	174.5	5,300	125

120 Ft. Boom, 220 Ft. Jib

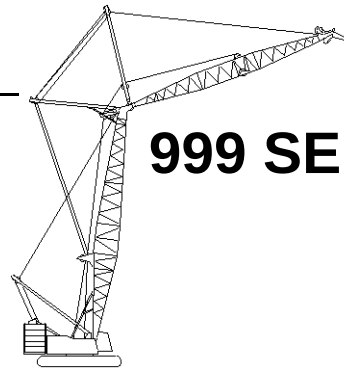
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib 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	73.9	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	37,100*				75
80	53.2	214.5	21,700*	55.9	217.3	24,300*	59.8	220.7	28,100*	63.5	223.1	32,600*				80
85	49.8	210.3	19,100*	52.6	213.5	21,400*	56.7	217.4	25,100*	60.5	220.3	28,900*				85
90	46.2	205.7	16,900*	49.2	209.3	18,900*	53.5	213.8	22,400*	57.4	217.2	25,800*				90
95	42.4	200.3	15,000*	45.6	204.5	16,800*	50.1	209.7	19,800*	54.2	213.6	23,100*	60.6	218.0	23,400	95
100	38.3	194.2	13,300*	41.7	199.1	14,900*	46.5	205.1	17,500*	50.9	209.7	20,600*	57.6	214.8	19,700	100
105	33.7	187.0	11,800*	37.5	192.8	13,200*	42.7	199.8	15,600*	47.4	205.2	18,200*	54.4	211.3	16,400	105
110	28.4	178.3	10,500*	32.9	185.4	11,800*	38.6	193.7	13,800*	43.7	200.1	15,600	51.0	207.4	13,400	110
115	22.1	167.2	9,400*	27.5	176.4	10,500*	34.1	186.7	12,300*	39.6	194.2	12,700	47.5	202.9	10,600	115
120	12.7	150.0	8,400*	20.8	164.7	9,300*	28.9	178.1	10,900*	35.2	187.4	10,100	43.8	197.8	8,100	120
125				10.3	145.3	7,300*	22.7	167.2	8,700	30.2	179.3	7,700	39.8	192.0	5,900	125
130							13.8	151.0	6,300	24.3	169.1	5,400				130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	75.3	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	31,500*	65.9	234.3	36,300*				80
85	53.8	223.2	22,800*	56.3	226.0	24,900*	59.8	229.3	28,300*	63.2	231.8	32,400*				85
90	50.7	219.2	20,300*	53.3	222.3	22,500*	57.0	226.1	25,500*	60.5	229.0	29,000*				90
95	47.5	214.7	18,200*	50.2	218.2	20,200*	54.0	222.5	23,100*	57.7	225.9	26,200*				95
100	44.1	209.7	16,300*	46.9	213.7	18,100*	51.0	218.6	21,000*	54.7	222.4	23,000	60.6	226.6	20,300	100
105	40.5	204.0	14,600*	43.5	208.5	16,200*	47.8	214.1	18,900*	51.7	218.5	19,500	57.8	223.5	17,000	105
110	36.5	197.5	13,100*	39.8	202.7	14,500*	44.4	209.1	16,900*	48.5	214.2	16,400	54.9	220.1	14,000	110
115	32.2	189.9	11,800*	35.8	196.0	13,100*	40.8	203.5	14,900	45.2	209.3	13,600	51.8	216.2	11,300	115
120	27.2	180.7	10,600*	31.4	188.2	11,700*	36.9	197.0	12,300	41.7	203.9	11,000	48.7	211.9	8,800	120
125	21.1	169.0	9,500*	26.3	178.7	10,600*	32.5	189.5	9,800	37.8	197.6	8,600	45.3	207.1	6,600	125
130	12.1	151.0	5,200*	19.9	166.4	8,600	27.6	180.5	7,600	33.6	190.4	6,400	41.8	201.6	4,500	130
135				9.8	146.1	4,000*	21.6	169.1	5,400	28.9	181.8	4,400				135

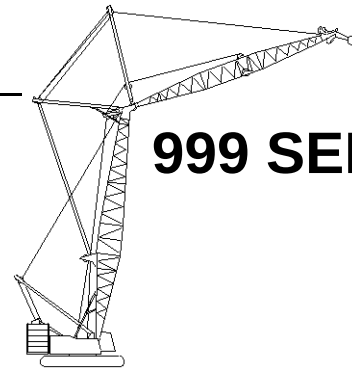
120 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			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	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	34,700*				80
85	57.0	235.5	21,300*	59.2	237.9	23,300*	62.4	240.8	26,800*	65.5	243.0	30,800*				85
90	54.3	232.0	19,100*	56.6	234.7	20,900*	59.8	238.0	24,000*	63.0	240.4	27,500*				90
95	51.5	228.1	17,300*	53.8	231.1	18,900*	57.2	234.8	21,600*	60.4	237.6	24,600*				95
100	48.6	223.7	15,600*	51.0	227.1	17,000*	54.5	231.3	19,400*	57.8	234.5	22,100*				100
105	45.5	218.9	14,100*	48.1	222.7	15,400*	51.7	227.4	17,500*	55.2	231.1	19,700	60.5	235.3	16,900	105
110	42.2	213.5	12,700*	45.0	217.8	13,900*	48.8	223.1	15,800*	52.4	227.3	16,600	57.9	232.2	14,000	110
115	38.8	207.5	11,500*	41.7	212.3	12,500*	45.7	218.3	14,300*	49.5	223.1	13,800	55.3	228.8	11,300	115
120	35.0	200.6	10,200*	38.2	206.1	11,300*	42.5	213.0	12,700	46.5	218.5	11,300	52.5	225.0	8,900	120
125	30.8	192.6	9,000*	34.3	199.1	10,200*	39.1	207.0	10,300	43.3	213.3	8,900	49.6	220.8	6,700	125
130	26.0	183.0	8,000*	30.1	190.8	9,000*	35.3	200.2	8,100	39.9	207.5	6,800	46.6	216.2	4,600	130
135	20.2	170.7	7,000*	25.2	180.9	7,200	31.2	192.3	6,000	36.3	200.9	4,800				135
140				19.0	168.0	5,100	26.5	182.9	4,100							140

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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	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	
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

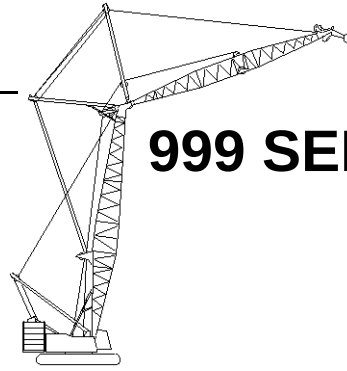
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	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

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

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



999 SERIES 3

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 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	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

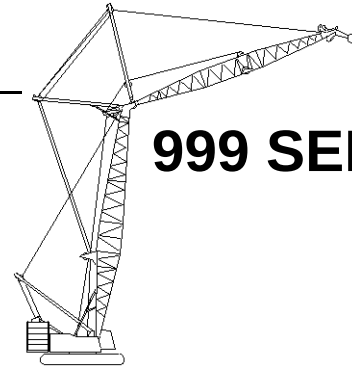
130 Ft. Boom, 100 Ft. Jib

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

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

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



999 SERIES 3

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 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	67.6	173.8	39,300*															30	
35	59.3	171.0	28,200*	66.9	173.3	38,100*												35	
40	50.1	167.0	21,600*	58.5	170.3	27,500*	69.7	173.3	44,100*									40	
45	39.2	161.4	17,100*	49.2	166.3	21,100*	61.5	170.7	30,700*									45	
50	24.0	152.2	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

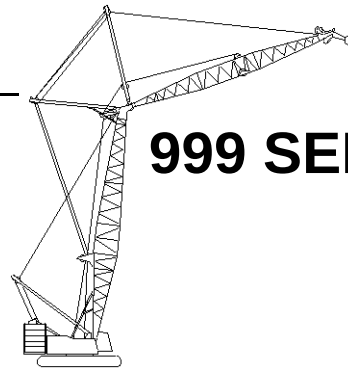
130 Ft. Boom, 120 Ft. Jib

Int. Fall	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
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
Rad. Feet	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	Rad. Feet
30	72.4	184.6	54,800*																30
35	66.1	182.5	39,100*	71.8	184.1	53,200*													35
40	59.5	179.6	29,800*	65.5	181.9	38,200*													40
45	52.3	175.9	23,600*	58.8	179.0	29,200*	67.8	182.0	42,800*										45
50	44.2	171.1	19,300*	51.6	175.2	23,300*	61.2	179.4	32,100*										50
55	34.6	164.4	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*	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

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

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



999 SERIES 3

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	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
30	75.4	195.2	59,000*	69.9	192.9	48,400*	66.5	190.7	40,700*													
35	70.4	193.4	49,600*																			
40	65.1	191.2	37,800*																			
45	59.6	188.3	30,100*																			
50	53.7	184.7	24,600*																			
55	47.2	180.3	20,500*	53.1	184.1	24,300*	61.0	188.0	32,100*	62.9	187.9	34,800*										
60	40.0	174.7	17,300*	46.6	179.5	20,200*	55.2	184.7	26,100*													
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*	
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*	
75				17.4	153.5	12,600*	33.7	168.3	15,500*										44.5	176.0	19,400*	58.4
80							22.9	158.1	13,300*	36.7	169.7	16,500*	52.5	179.1	24,200*	53.4	176.1	25,100*				
85													45.9	174.5	20,300*							
90													38.4	168.5	17,200*					52.5	179.1	24,200*
95													29.3	160.5	14,700*					45.9	174.5	20,300*
100													15.5	147.0	12,600*					38.4	168.5	17,200*
105													30.9	158.3	15,100*	53.4	176.1	25,100*	105			
110													18.3	146.3	13,000*	46.9	171.6	20,900*	110			

130 Ft. Boom, 140 Ft. Jib

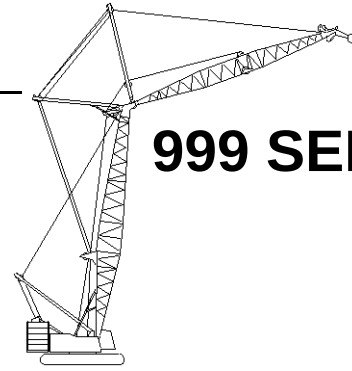
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	73.3	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	31,800*				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	19,600*	54.4	184.9	26,900	95
100													35.4	171.7	16,900*	49.0	180.7	23,300	100
105													27.0	162.8	14,700*	43.1	175.6	20,100	105
110													14.2	148.1	12,900*	36.5	169.2	17,200	110
115																28.4	160.8	14,500	115
120																16.8	147.6	11,800	120



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

130 Ft. Boom, 150 Ft. Jib

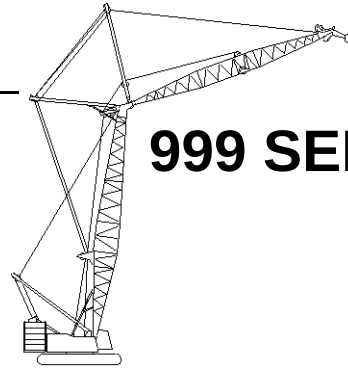
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	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	38,700*				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	32,800*				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	28,100*				90
95				14.8	155.9	12,800*	28.9	173.5	15,100*	38.0	183.1	18,000*	49.8	192.6	24,300*				95
100							19.5	161.5	13,400*	31.4	175.5	15,900*	44.8	187.7	21,300*	55.1	193.7	24,100	100
105										23.1	165.1	14,100*	39.2	181.8	18,700*	50.5	189.6	21,000	105
110													32.9	174.6	16,500*	45.6	184.9	18,100	110
115													25.1	165.0	14,600*	40.1	179.2	15,600	115
120													13.1	149.2	13,000*	33.9	172.2	13,200	120
125																26.4	163.0	10,900	125
130																15.6	148.9	8,700	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

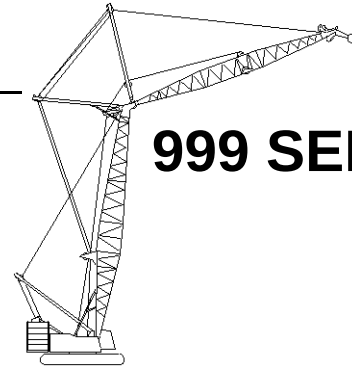
130 Ft. Boom, 160 Ft. Jib

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			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	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	47,700*							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	39,200				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	34,600				90
95	25.1	174.1	15,300*	31.5	182.7	17,000*	39.2	191.9	20,000*	45.8	198.5	23,700*	55.1	205.4	30,600				95
100	15.2	159.4	13,700*	24.4	172.7	15,200*	33.7	184.8	17,900*	41.0	193.0	21,000*	51.0	201.5	27,000				100
105				13.8	157.1	13,700*	27.1	175.8	16,000*	35.7	186.3	18,800*	46.7	196.9	23,800	55.7	202.4	20,800	105
110							18.3	163.0	14,300*	29.5	178.1	16,800*	42.0	191.5	20,800	51.7	198.5	18,100	110
115										21.7	167.0	15,000*	36.8	185.1	18,200	47.4	194.0	15,600	115
120													30.9	177.3	15,700	42.7	188.8	13,300	120
125													23.5	167.0	13,400	37.6	182.6	11,200	125
130													12.3	150.1	11,000	31.8	175.0	9,200	130
135																24.8	165.2	7,300	135
140																14.6	150.1	5,500	140

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	35,800*				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	30,300*				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	26,000*				90
95				14.8	155.9	11,700*	28.9	173.5	13,900*	38.0	183.1	16,600*	49.8	192.6	22,500*				95
100							19.5	161.5	12,300*	31.4	175.5	14,600*	44.8	187.7	19,600*	55.1	193.7	19,700	100
105										23.1	165.1	13,000*	39.2	181.8	17,200*	50.5	189.6	16,500	105
110													32.9	174.6	15,200*	45.6	184.9	13,600	110
115													25.1	165.0	12,600	40.1	179.2	10,900	115
120													13.1	149.2	9,700	33.9	172.2	8,400	120
125																26.4	163.0	6,100	125

130 Ft. Boom, 180 Ft. Jib

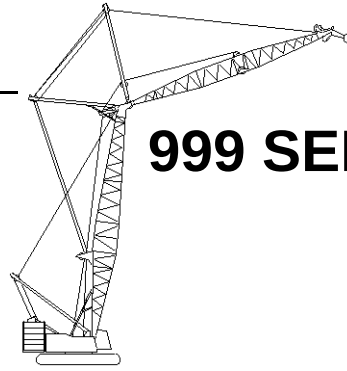
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	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	43,700*							70
75	47.6	202.7	22,100*	51.4	206.4	25,000*	56.9	210.8	30,400*	61.9	213.9	37,200*							75
80	42.9	197.5	19,500*	47.1	201.9	22,000*	52.9	207.1	26,500*	58.2	210.8	32,100*							80
85	37.9	191.3	17,300*	42.5	196.6	19,500*	48.7	202.8	23,300*	54.3	207.3	27,900*	62.7	211.8	34,900				85
90	32.1	183.8	15,500*	37.4	190.4	17,300*	44.2	197.8	20,600*	50.2	203.2	24,500*	59.0	208.8	30,300				90
95	25.1	174.1	13,800*	31.5	182.7	15,400*	39.2	191.9	18,200*	45.8	198.5	21,600*	55.1	205.4	26,100				95
100	15.2	159.4	12,400*	24.4	172.7	13,800*	33.7	184.8	16,300*	41.0	193.0	19,200*	51.0	201.5	22,400				100
105				13.8	157.1	12,400*	27.1	175.8	14,500*	35.7	186.3	17,100*	46.7	196.9	19,100	55.7	202.4	16,600	105
110							18.3	163.0	13,000*	29.5	178.1	15,200*	42.0	191.5	16,100	51.7	198.5	13,800	110
115										21.7	167.0	13,700*	36.8	185.1	13,400	47.4	194.0	11,200	115
120													30.9	177.3	10,800	42.7	188.8	8,800	120
125													23.5	167.0	8,400	37.6	182.6	6,600	125
130													12.3	150.1	6,000	31.8	175.0	4,600	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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	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	75.5	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	33,200*	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	28,000*	85
90	16.2	158.2	10,800*	26.0	170.6	12,100*	35.9	181.8	14,500*	43.7	189.2	17,400*	54.5	196.7	24,000*	90
95				14.8	155.9	10,800*	28.9	173.5	12,800*	38.0	183.1	15,300*	49.8	192.6	20,800*	95
100							19.5	161.5	11,300*	31.4	175.5	13,500*	44.8	187.7	17,400	100
105										23.1	165.1	11,900*	39.2	181.8	13,900	105
110													32.9	174.6	10,700	110
115													25.1	165.0	7,700	115
120													13.1	149.2	4,700	120

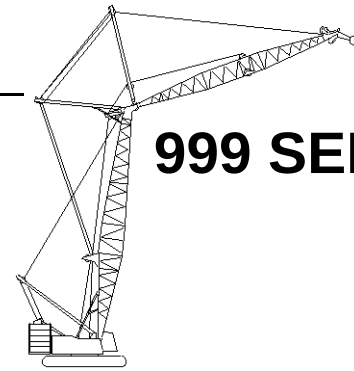
130 Ft. Boom, 200 Ft. Jib

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	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.	
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	40,300*				70
75	47.6	202.7	20,300*	51.4	206.4	23,000*	56.9	210.8	27,900*	61.9	213.9	34,300*				75
80	42.9	197.5	17,900*	47.1	201.9	20,200*	52.9	207.1	24,300*	58.2	210.8	29,500*				80
85	37.9	191.3	15,800*	42.5	196.6	17,800*	48.7	202.8	21,400*	54.3	207.3	25,700*	62.7	211.8	31,000	85
90	32.1	183.8	14,100*	37.4	190.4	15,800*	44.2	197.8	18,800*	50.2	203.2	22,500*	59.0	208.8	26,200	90
95	25.1	174.1	12,600*	31.5	182.7	14,100*	39.2	191.9	16,700*	45.8	198.5	19,900*	55.1	205.4	22,000	95
100	15.2	159.4	11,300*	24.4	172.7	12,600*	33.7	184.8	14,900*	41.0	193.0	17,600*	51.0	201.5	18,200	100
105				13.8	157.1	11,300*	27.1	175.8	13,300*	35.7	186.3	15,600*	46.7	196.9	14,800	105
110							18.3	163.0	11,900*	29.5	178.1	13,400	42.0	191.5	11,700	110
115										21.7	167.0	10,400	36.8	185.1	8,800	115
120													30.9	177.3	6,200	120

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	40,100*				75
80	48.9	211.7	21,300*	52.4	215.3	24,000*	57.2	219.5	28,800*	61.7	222.5	34,700*				80
85	44.9	206.8	19,000*	48.6	211.0	21,300*	53.7	215.9	25,400*	58.4	219.5	30,300*				85
90	40.6	201.2	16,900*	44.5	206.0	19,000*	49.9	211.8	22,500*	54.9	216.0	26,700*	62.4	220.4	26,700	90
95	35.8	194.5	15,200*	40.1	200.3	17,000*	46.0	207.1	20,000*	51.2	212.1	23,700*	59.1	217.5	22,500	95
100	30.3	186.5	13,600*	35.3	193.5	15,200*	41.7	201.6	17,900*	47.4	207.6	21,100*	55.6	214.1	18,800	100
105	23.7	176.1	12,300*	29.8	185.3	13,700*	37.1	195.3	16,000*	43.2	202.5	17,800	52.0	210.3	15,500	105
110	14.3	160.6	11,200*	23.0	174.7	12,300*	31.8	187.6	14,400*	38.7	196.4	14,600	48.2	206.0	12,500	110
115				13.1	158.1	11,200*	25.6	178.0	12,900	33.7	189.3	11,700	44.1	200.9	9,700	115
120							17.3	164.4	10,000	27.9	180.5	9,100	39.7	195.1	7,200	120
125										20.5	168.7	6,500	34.8	188.2	4,900	125

130 Ft. Boom, 220 Ft. Jib

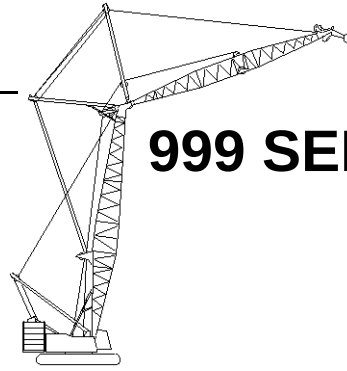
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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	39,000*				75
80	53.4	224.7	21,800*	56.3	227.7	24,800*	60.5	231.3	29,000*	64.5	233.8	34,200*				80
85	50.0	220.6	19,200*	53.1	224.1	21,800*	57.5	228.2	25,900*	61.6	231.2	30,300*				85
90	46.5	216.0	17,000*	49.7	219.9	19,200*	54.3	224.6	23,100*	58.5	228.2	26,900*				90
95	42.7	210.7	15,000*	46.1	215.2	17,000*	50.9	220.7	20,300*	55.4	224.8	24,100*	62.2	229.1	22,700	95
100	38.6	204.6	13,300*	42.3	209.9	15,100*	47.4	216.2	18,000*	52.1	221.0	21,500*	59.2	226.2	19,000	100
105	34.0	197.6	11,800*	38.1	203.7	13,400*	43.7	211.1	16,000*	48.6	216.6	18,400	56.0	222.9	15,700	105
110	28.8	189.0	10,500*	33.6	196.5	11,900*	39.7	205.2	14,200*	45.0	211.8	15,200	52.8	219.1	12,700	110
115	22.6	178.1	9,400*	28.3	187.8	10,600*	35.2	198.4	12,600*	41.1	206.2	12,400	49.4	214.9	10,100	115
120	13.6	161.7	8,400*	21.9	176.5	9,400*	30.3	190.3	11,100	36.8	199.8	9,800	45.8	210.2	7,600	120
125				12.4	159.1	8,400*	24.3	180.1	8,600	32.0	192.1	7,400	41.9	204.8	5,300	125
130							16.4	165.8	6,200	26.5	182.8	5,100				130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	75.5	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	36,400*							75
80	56.9	237.1	25,500*	59.5	239.7	28,000*	63.2	242.8	32,500*	66.8	244.9	37,900*				80
85	54.0	233.5	22,900*	56.7	236.4	25,300*	60.5	240.0	29,100*	64.2	242.5	33,800*				85
90	50.9	229.5	20,400*	53.7	232.8	22,900*	57.7	236.9	26,300*	61.4	239.8	30,200*				90
95	47.7	225.1	18,200*	50.6	228.8	20,500*	54.8	233.4	23,800*	58.7	236.8	26,300				95
100	44.3	220.1	16,300*	47.4	224.3	18,300*	51.7	229.5	21,600*	55.8	233.5	22,500	62.0	237.8	19,500	100
105	40.7	214.4	14,600*	44.0	219.2	16,400*	48.6	225.2	19,300*	52.8	229.8	19,100	59.2	234.8	16,300	105
110	36.8	208.0	13,100*	40.4	213.5	14,700*	45.2	220.3	17,300*	49.7	225.6	16,000	56.4	231.6	13,300	110
115	32.5	200.4	11,700*	36.4	207.0	13,200*	41.7	214.9	14,700	46.4	220.9	13,200	53.4	227.9	10,700	115
120	27.5	191.4	10,500*	32.0	199.3	11,800*	37.9	208.6	12,100	42.9	215.7	10,600	50.3	223.8	8,200	120
125	21.5	179.9	9,500*	27.0	190.1	10,600*	33.6	201.4	9,600	39.2	209.7	8,300	47.1	219.3	6,000	125
130	13.0	162.7	6,000*	20.9	178.3	8,600	28.9	192.8	7,400	35.1	202.9	6,100	43.7	214.2	4,000	130
135				11.8	160.1	5,900*	23.2	182.1	5,300	30.6	194.8	4,100				135

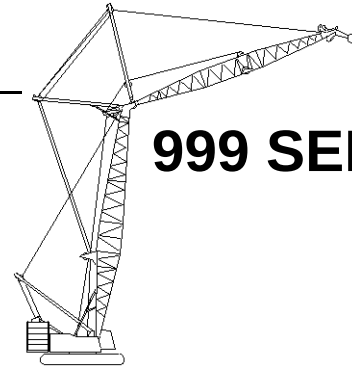
130 Ft. Boom, 240 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			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	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	27,600*	66.3	253.6	32,200*				85
90	54.5	242.2	19,300*	56.9	245.1	21,300*	60.5	248.6	24,700*	63.8	251.2	28,700*				90
95	51.7	238.4	17,400*	54.2	241.6	19,200*	57.9	245.5	22,200*	61.3	248.5	25,700*				95
100	48.8	234.1	15,700*	51.4	237.7	17,300*	55.2	242.1	20,000*	58.8	245.5	22,600				100
105	45.7	229.3	14,200*	48.5	233.3	15,600*	52.4	238.3	18,000*	56.1	242.2	19,200	61.9	246.4	16,200	105
110	42.5	223.9	12,800*	45.4	228.5	14,100*	49.5	234.1	16,300*	53.4	238.5	16,200	59.3	243.5	13,300	110
115	39.0	217.9	11,500*	42.2	223.1	12,800*	46.5	229.5	14,700*	50.5	234.5	13,400	56.7	240.3	10,700	115
120	35.3	211.1	10,200*	38.7	217.0	11,500*	43.3	224.3	12,400	47.6	230.0	10,900	53.9	236.7	8,300	120
125	31.1	203.2	9,000*	34.9	210.1	10,200*	39.9	218.5	10,000	44.4	225.0	8,600	51.1	232.7	6,100	125
130	26.4	193.7	7,900*	30.7	202.1	9,100*	36.3	211.9	7,800	41.1	219.4	6,400	48.2	228.3	4,100	130
135	20.6	181.7	7,000*	25.9	192.4	7,100	32.2	204.3	5,800	37.6	213.1	4,400				135
140				20.0	180.0	5,100										140

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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	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	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*	53.2	173.3	35,400*				70
75													43.0	168.3	27,900*				75
80													29.8	160.7	22,600*	56.2	170.7	39,100*	80
85																46.5	166.2	30,300*	85
90																34.6	159.7	24,400*	90

140 Ft. Boom, 80 Ft. Jib

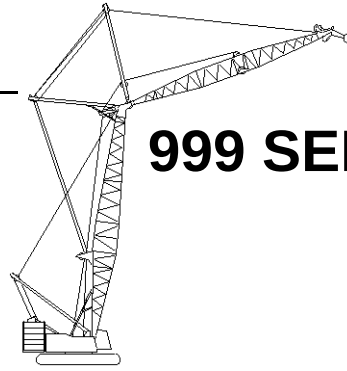
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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

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

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



999 SERIES 3

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		
		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	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*b									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*b						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

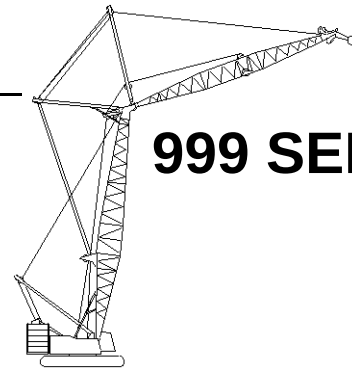
140 Ft. Boom, 100 Ft. Jib

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*b										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

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

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



999 SERIES 3

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 Deg.	Intermediate Fall		Jib Deg.	Intermediate Fall		Jib Deg.	Intermediate Fall		Jib Deg.	Intermediate Fall		Jib Deg.	Intermediate Fall		Jib Deg.	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	
30	68.2	184.0	40,500*															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

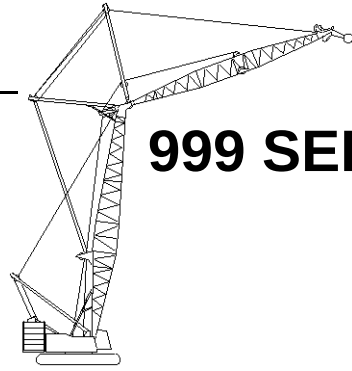
140 Ft. Boom, 120 Ft. Jib

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*b	72.7	194.4	56,600*																								
35	66.6	192.7	40,100*		192.3	40,000*													192.5	46,700*										
40	59.9	189.9	30,400*		189.4	30,400*													190.0	34,500*										
45	52.8	186.2	24,100*		185.8	24,000*																								
50	44.8	181.4	19,600*																											
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*																		
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*																		
65				21.9	164.2	13,600*	39.7	176.9	17,700*	51.9	183.4	23,800*																		
70							28.7	168.8	14,800*	43.8	178.4	19,400*							61.7	185.5	33,400*									
75										34.0	171.6	16,100*							54.7	182.0	26,100*									
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	28,300*	85											
90													26.3	162.9	14,500*	49.5	175.3	22,700*	90											
95																41.0	169.9	18,600*	95											
100																30.5	162.3	15,500*	100											

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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	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	75.8	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
55	47.7	190.6	20,800*	53.9	194.6	25,000*	62.4	198.7	34,100*	64.8	198.7	38,100*							55			
60	40.5	185.1	17,500*	47.5	190.2	20,800*	56.7	195.5	27,500*										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
80							25.9	171.0	13,800*	39.6	182.0	17,500*	55.6	190.8	26,900*	175.5	188.1	28,900*	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	23,800*	90
95													34.3	174.7	16,000*				51.4	184.2	20,000*	95
100																			23.7	164.9	13,700*	44.8
105																			105			
110																			37.1	173.2	16,900*	27.6

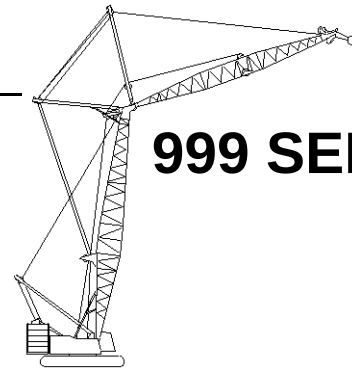
140 Ft. Boom, 140 Ft. Jib

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	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	73.6	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	35,300*				80
85				18.1	167.3	13,000*	33.0	183.0	16,000*	43.1	191.6	19,900*	56.3	199.5	29,400*				85
90							23.8	173.0	13,900*	36.4	185.2	17,200*	51.0	195.6	24,800*				90
95										28.3	176.8	14,900*	45.4	190.8	21,200*	57.9	196.8	25,900	95
100										16.7	163.5	13,100*	39.0	185.0	18,300*	52.7	193.1	22,400	100
105													31.6	177.4	15,900*	47.2	188.6	19,300	105
110													21.8	166.7	13,800*	41.1	183.1	16,400	110
115																34.1	176.2	13,800	115
120																25.3	166.8	11,300	120

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

140 Ft. Boom, 150 Ft. Jib

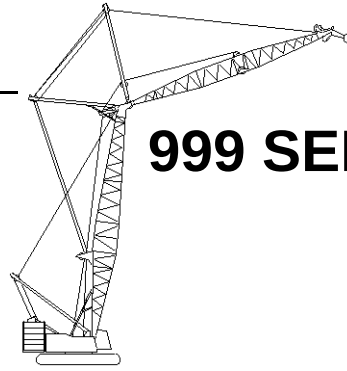
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	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	35,900*				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	30,500*				90
95				16.8	168.7	13,000*	30.7	185.7	15,600*	40.1	195.2	18,900*	52.3	204.4	26,300*				95
100							22.2	174.9	13,800*	33.9	188.2	16,600*	47.4	200.0	22,900*				100
105										26.3	179.0	14,700*	42.2	194.7	20,000*	53.7	201.9	20,000	105
110										15.4	164.8	13,100*	36.3	188.2	17,600*	49.0	197.6	17,200	110
115													29.4	180.0	15,600*	43.9	192.6	14,700	115
120													20.3	168.4	13,800*	38.3	186.6	12,400	120
125																31.7	179.0	10,200	125
130																23.5	168.8	8,200	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

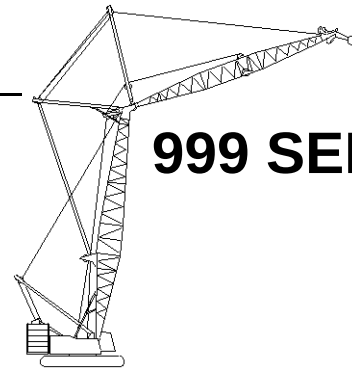
140 Ft. Boom, 160 Ft. Jib

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			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	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	50,800*							70
75	47.9	213.0	24,500*	52.0	217.0	28,000*	57.8	221.5	34,500*	63.2	224.7	43,100*							75
80	43.3	207.9	21,600*	47.8	212.6	24,600*	53.9	218.0	30,000*	59.5	221.8	37,000*							80
85	38.2	201.8	19,200*	43.2	207.4	21,800*	49.7	213.8	26,300*	55.7	218.4	32,100*							85
90	32.5	194.4	17,100*	38.1	201.3	19,300*	45.3	209.0	23,200*	51.6	214.6	28,100*	60.9	220.1	33,700				90
95	25.7	184.9	15,400*	32.4	193.8	17,200*	40.5	203.4	20,600*	47.3	210.1	24,800*	57.1	216.9	29,800				95
100	16.1	170.8	13,800*	25.5	184.3	15,400*	35.1	196.6	18,400*	42.7	204.8	22,000*	53.2	213.3	26,200				100
105				15.8	170.0	13,900*	28.8	188.2	16,400*	37.6	198.6	19,500*	49.0	209.0	23,000				105
110							20.8	176.6	14,700*	31.8	191.0	17,400*	44.5	204.1	20,100	54.5	210.6	17,100	110
115										24.7	181.1	15,600*	39.6	198.3	17,500	50.3	206.6	14,600	115
120										14.5	166.0	14,000*	34.1	191.2	15,100	46.0	201.9	12,400	120
125													27.6	182.4	12,800	41.2	196.4	10,300	125
130													19.0	170.0	10,700	35.9	189.8	8,400	130
135																29.8	181.6	6,600	135
140																22.1	170.7	4,900	140

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	33,200*				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	28,200*				90
95				16.8	168.7	11,900*	30.7	185.7	14,300*	40.1	195.2	17,400*	52.3	204.4	24,300*				95
100							22.2	174.9	12,700*	33.9	188.2	15,300*	47.4	200.0	21,100*				100
105										26.3	179.0	13,500*	42.2	194.7	18,100	53.7	201.9	15,700	105
110										15.4	164.8	12,000*	36.3	188.2	15,000	49.0	197.6	12,800	110
115													29.4	180.0	12,200	43.9	192.6	10,200	115
120													20.3	168.4	9,500	38.3	186.6	7,800	120
125																31.7	179.0	5,500	125

140 Ft. Boom, 180 Ft. Jib

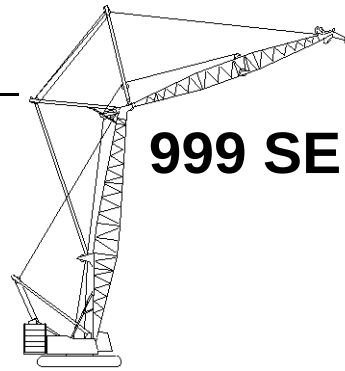
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib 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	46,600*				70
75	47.9	213.0	22,300*	52.0	217.0	25,500*	57.8	221.5	31,500*	63.2	224.7	39,500*				75
80	43.3	207.9	19,700*	47.8	212.6	22,400*	53.9	218.0	27,400*	59.5	221.8	33,900*				80
85	38.2	201.8	17,500*	43.2	207.4	19,800*	49.7	213.8	24,000*	55.7	218.4	29,400*				85
90	32.5	194.4	15,600*	38.1	201.3	17,600*	45.3	209.0	21,200*	51.6	214.6	25,700*	60.9	220.1	29,500	90
95	25.7	184.9	13,900*	32.4	193.8	15,700*	40.5	203.4	18,800*	47.3	210.1	22,600*	57.1	216.9	25,400	95
100	16.1	170.8	12,500*	25.5	184.3	14,000*	35.1	196.6	16,700*	42.7	204.8	20,000*	53.2	213.3	21,800	100
105				15.8	170.0	12,600*	28.8	188.2	14,900*	37.6	198.6	17,800*	49.0	209.0	18,500	105
110							20.8	176.6	13,400*	31.8	191.0	15,900*	44.5	204.1	15,500	110
115										24.7	181.1	14,200*	39.6	198.3	12,800	115
120										14.5	166.0	12,300	34.1	191.2	10,300	120
125													27.6	182.4	8,000	125
130													19.0	170.0	5,800	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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	21,100*	61.0	211.4	30,000	85
90	17.2	169.4	10,900*	27.1	182.1	12,300*	37.4	193.5	15,000*	45.5	200.9	18,300*	56.8	208.2	25,100	90
95				16.8	168.7	10,900*	30.7	185.7	13,200*	40.1	195.2	16,000*	52.3	204.4	20,800	95
100							22.2	174.9	11,700*	33.9	188.2	14,100*	47.4	200.0	17,000	100
105										26.3	179.0	12,400*	42.2	194.7	13,500	105
110										15.4	164.8	11,000*	36.3	188.2	10,300	110
115													29.4	180.0	7,400	115
120													20.3	168.4	4,600	120

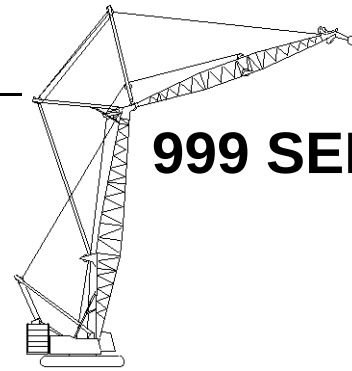
140 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			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.	
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	42,900*				70
75	47.9	213.0	20,400*	52.0	217.0	23,400*	57.8	221.5	29,000*	63.2	224.7	36,400*				75
80	43.3	207.9	18,000*	47.8	212.6	20,600*	53.9	218.0	25,200*	59.5	221.8	31,200*				80
85	38.2	201.8	16,000*	43.2	207.4	18,100*	49.7	213.8	22,100*	55.7	218.4	27,000*				85
90	32.5	194.4	14,200*	38.1	201.3	16,100*	45.3	209.0	19,400*	51.6	214.6	23,600*	60.9	220.1	25,500	90
95	25.7	184.9	12,700*	32.4	193.8	14,300*	40.5	203.4	17,200*	47.3	210.1	20,800*	57.1	216.9	21,300	95
100	16.1	170.8	11,400*	25.5	184.3	12,800*	35.1	196.6	15,300*	42.7	204.8	18,400*	53.2	213.3	17,600	100
105				15.8	170.0	11,500*	28.8	188.2	13,600*	37.6	198.6	16,300*	49.0	209.0	14,200	105
110							20.8	176.6	12,200*	31.8	191.0	13,200	44.5	204.1	11,200	110
115										24.7	181.1	10,200	39.6	198.3	8,400	115
120										14.5	166.0	7,300	34.1	191.2	5,800	120

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	75.7	244.0	59,000*													40
45	72.7	242.4	58,000*													45
50	69.6	240.6	49,700*			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	42,400*				75
80	49.2	222.0	21,500*	52.9	225.8	24,400*	58.0	230.2	29,800*	62.9	233.3	36,600*				80
85	45.2	217.2	19,100*	49.1	221.6	21,600*	54.5	226.7	26,200*	59.6	230.4	31,900*				85
90	40.9	211.6	17,000*	45.1	216.7	19,300*	50.9	222.7	23,200*	56.1	227.1	28,000*				90
95	36.1	205.0	15,200*	40.8	211.1	17,200*	47.0	218.2	20,600*	52.5	223.4	24,700*	60.8	228.7	21,900	95
100	30.8	197.1	13,700*	36.0	204.5	15,400*	42.8	213.0	18,400*	48.7	219.1	20,900	57.4	225.6	18,200	100
105	24.3	187.0	12,300*	30.6	196.5	13,800*	38.3	206.8	16,500*	44.7	214.2	17,500	53.9	222.0	14,900	105
110	15.2	172.0	11,200*	24.1	186.3	12,500*	33.2	199.6	14,800*	40.3	208.5	14,300	50.2	217.9	11,900	110
115				14.9	171.2	11,300*	27.2	190.5	12,700	35.5	201.8	11,400	46.2	213.3	9,200	115
120							19.6	178.3	9,900	30.0	193.6	8,800	42.0	207.9	6,700	120
125										23.3	183.1	6,300	37.4	201.6	4,400	125

140 Ft. Boom, 220 Ft. Jib

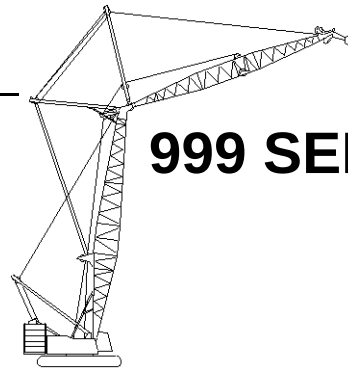
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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	30,000*	65.6	244.5	35,900*				80
85	50.3	230.9	19,400*	53.6	234.6	22,200*	58.2	238.9	26,700*	62.6	242.0	31,700*				85
90	46.7	226.3	17,100*	50.2	230.5	19,500*	55.1	235.5	23,800*	59.6	239.1	28,200*				90
95	42.9	221.1	15,100*	46.6	225.9	17,300*	51.7	231.6	21,000*	56.5	235.8	25,100*				95
100	38.9	215.1	13,400*	42.8	220.6	15,300*	48.3	227.2	18,600*	53.2	232.2	21,400	60.7	237.4	18,300	100
105	34.4	208.1	11,900*	38.7	214.6	13,600*	44.6	222.3	16,500*	49.9	228.0	17,900	57.7	234.3	15,000	105
110	29.2	199.7	10,600*	34.2	207.6	12,000*	40.7	216.6	14,600*	46.3	223.4	14,800	54.5	230.8	12,100	110
115	23.0	188.9	9,400*	29.1	199.1	10,700*	36.4	210.1	13,000*	42.5	218.1	12,000	51.1	226.8	9,400	115
120	14.4	173.2	8,400*	22.9	188.3	9,500*	31.5	202.4	10,900	38.3	211.9	9,400	47.6	222.4	7,000	120
125				14.1	172.3	8,500*	25.9	192.8	8,400	33.8	204.8	7,100	43.9	217.3	4,800	125
130							18.7	179.9	6,000	28.5	196.1	4,900				130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	75.7	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	42,500*							70
75	60.0	250.5	28,500*	62.7	252.9	31,800*	66.6	255.7	37,600*							75
80	57.1	247.3	25,700*	59.9	250.1	28,500*	63.9	253.3	33,500*	67.7	255.5	39,700*				80
85	54.2	243.8	23,100*	57.1	246.9	25,700*	61.2	250.6	30,000*	65.1	253.2	34,900				85
90	51.1	239.8	20,500*	54.1	243.3	23,300*	58.4	247.6	27,000*	62.4	250.7	30,100				90
95	47.9	235.4	18,300*	51.1	239.4	20,700*	55.5	244.2	24,400*	59.6	247.8	25,800				95
100	44.6	230.4	16,400*	47.9	234.9	18,500*	52.5	240.4	22,200*	56.8	244.5	22,000				100
105	41.0	224.8	14,700*	44.5	230.0	16,600*	49.4	236.2	19,800*	53.8	240.9	18,600	60.7	246.1	15,500	105
110	37.1	218.4	13,100*	40.9	224.3	14,900*	46.1	231.5	17,300	50.8	236.9	15,600	57.9	243.0	12,600	110
115	32.8	211.0	11,800*	37.0	217.9	13,300*	42.6	226.2	14,500	47.5	232.5	12,800	55.0	239.5	10,000	115
120	27.9	202.1	10,600*	32.7	210.5	12,000*	38.8	220.1	11,800	44.2	227.4	10,300	51.9	235.7	7,600	120
125	22.0	190.8	9,500*	27.8	201.5	10,700*	34.7	213.2	9,400	40.5	221.7	7,900	48.8	231.4	5,400	125
130	13.7	174.3	5,400*	21.8	190.2	8,500	30.1	205.0	7,200	36.6	215.2	5,800				130
135				13.5	173.4	6,000*	24.7	194.9	5,100							135

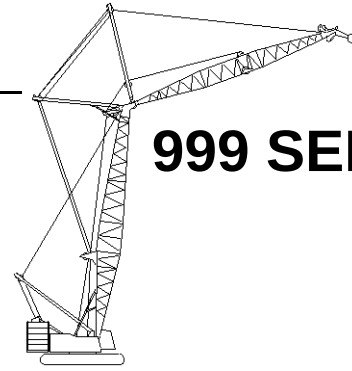
140 Ft. Boom, 240 Ft. Jib

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	31,900*				80
85	57.4	256.0	21,700*	59.9	258.7	24,100*	63.6	262.0	28,400*	67.1	264.2	33,600*	85
90	54.7	252.5	19,500*	57.3	255.6	21,700*	61.1	259.3	25,500*	64.7	261.9	29,900*	90
95	51.9	248.6	17,600*	54.6	252.1	19,500*	58.5	256.2	22,900*	62.2	259.3	25,900	95
100	49.0	244.4	15,900*	51.8	248.2	17,600*	55.8	252.9	20,600*	59.7	256.4	22,100	100
105	45.9	239.6	14,400*	48.9	243.9	15,900*	53.1	249.2	18,500*	57.0	253.2	18,800	105
110	42.7	234.3	13,000*	45.8	239.2	14,400*	50.2	245.1	16,700*	54.3	249.7	15,700	110
115	39.3	228.4	11,500*	42.6	233.9	13,000*	47.3	240.6	14,800	51.5	245.8	13,000	115
120	35.5	221.6	10,200*	39.2	227.9	11,700*	44.1	235.5	12,200	48.6	241.5	10,500	120
125	31.4	213.8	9,000*	35.5	221.1	10,400*	40.8	229.9	9,800	45.5	236.7	8,200	125
130	26.8	204.4	7,900*	31.3	213.2	9,100	37.2	223.5	7,600	42.3	231.3	6,100	130
135	21.1	192.6	7,000*	26.6	203.8	7,000	33.3	216.2	5,600	38.8	225.2	4,100	135
140				20.9	192.0	5,000							140

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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

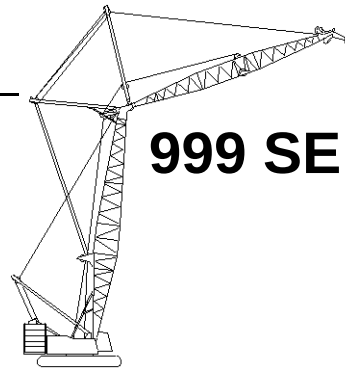
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
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*	
90																43.0	173.8	23,600*	
95																29.9	166.2	19,000*	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
35	60.5	191.4	31,800*																35
40	51.5	187.6	23,900*	60.9	191.2	32,500*													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

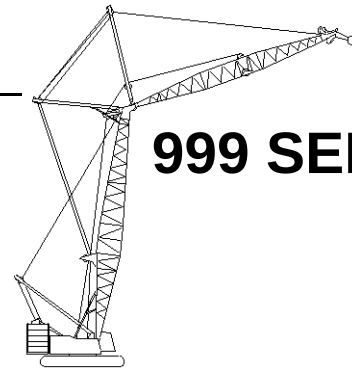
150 Ft. Boom, 100 Ft. Jib

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		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	
35	67.0	202.8	46,200*	67.3	202.6	47,300*b																	
40	60.4	200.1	34,800*		199.9	35,500*													197.6	32,100*	200.7	50,500*	
45	53.3	196.5	27,500*		196.3	27,900*													197.6	32,100*	200.7	50,500*	
50	45.4	191.8	22,300*		191.7	22,600*													197.6	32,100*	200.7	50,500*	
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*											
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*											
65				24.2	176.0	15,700*	42.0	188.3	21,000*	54.5	194.6	29,200*											
70							31.7	181.0	17,400*	46.7	190.1	23,500*											
75							15.8	168.2	14,600*	37.7	184.1	19,400*	58.4	193.6	33,800*								
80										25.9	175.2	16,200*	51.1	189.7	26,800*								
85													42.8	184.6	21,800*								
90													32.9	177.6	18,100*								
95													18.0	165.8	15,200*								
100																							
105																							

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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		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*		69.1	193.9	43,100*	b											35		
40	51.5	187.6	22,400*		60.9	191.2	30,200*												40		
45	40.9	182.3	17,800*		51.9	187.5	22,800*		65.6	191.9	36,800*								45		
50	26.7	173.9	14,400*		41.4	182.2	18,000*		57.1	188.9	26,700*								50		
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*	85	
90																		53.2	178.8	24,500*	85
95																		43.0	173.8	19,200*	90
																		29.9	166.2	15,500*	95

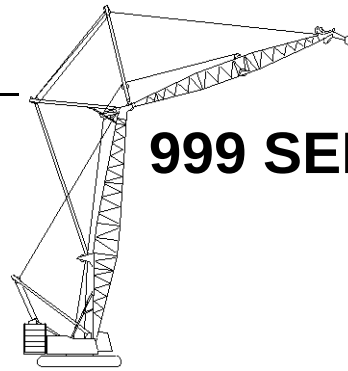
150 Ft. Boom, 120 Ft. Jib

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	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*	73.5	204.6	59,000*												30	
35	67.0	202.8	41,200*	67.3	202.6	42,100*												35	
40	60.4	200.1	31,100*	60.7	199.9	31,600*	70.8	202.9	51,500*									40	
45	53.3	196.5	24,500*	53.6	196.3	24,900*	64.5	200.6	37,100*									45	
50	45.4	191.8	19,900*															50	
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				24.2	176.0	14,000*	42.0	188.3	18,600*	54.5	194.6	25,900*						65	
70							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*	54.7	187.6	90	
95													18.0	165.8	13,400*	47.0	183.2	95	
100																38.0	177.2	100	
105																26.3	168.4	105	

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	
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	30,200*			80	
85							14.2	169.3	12,400*	34.1	187.1	15,800*	52.7	198.6	24,700*			85	
90										23.4	177.2	13,500*	46.1	194.0	20,600*			90	
95													38.7	188.1	17,400*	55.6	196.3	24,600	95
100													29.7	180.2	14,900*	49.4	192.2	21,100	100
105													16.2	167.1	12,800*	42.5	187.0	17,900	105
110																34.4	180.2	14,900	110
115																23.8	170.4	12,100	115

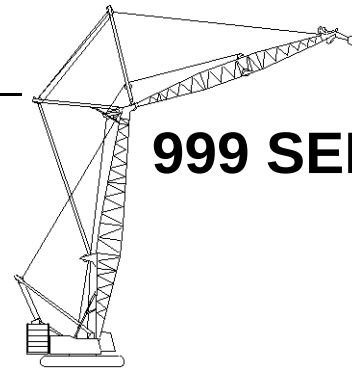
150 Ft. Boom, 140 Ft. Jib

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			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		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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	32,500*				85
90							26.4	185.8	14,400*	38.8	197.5	18,100*	53.8	207.4	27,200*				90
95							13.0	170.3	12,600*	31.3	189.9	15,700*	48.4	203.1	23,100*				95
100										21.5	179.0	13,700*	42.4	197.8	19,800*	56.3	205.1	21,200	100
105													35.6	191.3	17,200*	51.1	201.1	18,100	105
110													27.3	182.5	14,900*	45.4	196.4	15,400	110
115													14.8	168.2	13,000*	39.0	190.5	12,800	115
120																31.6	183.0	10,400	120
125																21.8	172.2	8,200	125

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

150 Ft. Boom, 150 Ft. Jib

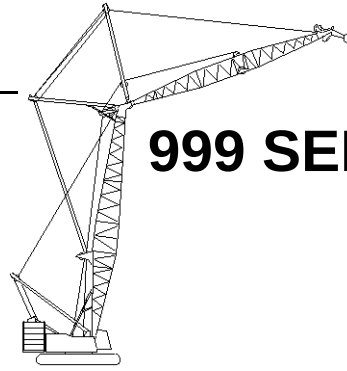
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	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	32,800				90
95				18.6	181.0	13,200*	32.5	197.7	16,100*	42.0	207.2	19,800*	54.6	216.1	28,500*				95
100							24.5	187.9	14,200*	36.1	200.7	17,400*	50.0	212.1	24,700*				100
105							12.0	171.2	12,700*	29.1	192.4	15,400*	45.0	207.2	21,500*	56.8	213.8	18,800	105
110										19.9	180.6	13,600*	39.4	201.4	18,900*	52.3	210.0	16,100	110
115													33.1	194.2	16,500	47.4	205.5	13,600	115
120													25.4	184.7	14,000	42.2	200.2	11,400	120
125													13.8	169.3	11,500	36.3	193.8	9,300	125
130																29.4	185.5	7,300	130
135																20.3	173.9	5,400	135



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

150 Ft. Boom, 160 Ft. Jib

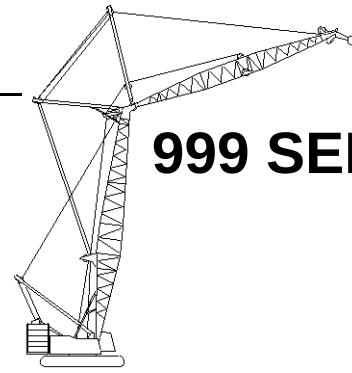
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	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	54,200*							70
75	48.2	223.3	24,700*	52.6	227.5	28,500*	58.7	232.3	35,800*	64.5	235.4	45,800*							75
80	43.6	218.3	21,800*	48.4	223.2	25,000*	54.9	228.8	31,100*	60.8	232.7	39,200*							80
85	38.6	212.2	19,300*	43.8	218.2	22,100*	50.8	224.8	27,200*	57.0	229.5	33,900*							85
90	33.0	205.0	17,200*	38.9	212.2	19,600*	46.4	220.2	24,000*	53.1	225.8	29,500*	62.8	231.2	32,600				90
95	26.2	195.6	15,400*	33.2	205.0	17,500*	41.7	214.8	21,200*	48.9	221.6	25,900*	59.1	228.3	28,700				95
100	16.9	182.1	13,900*	26.5	195.8	15,700*	36.5	208.3	18,900*	44.4	216.6	22,900*	55.2	224.9	25,200				100
105				17.5	182.5	14,100*	30.5	200.4	16,900*	39.4	210.8	20,400*	51.2	220.9	22,100				105
110							23.0	189.8	15,100*	33.9	203.7	18,200*	46.9	216.4	19,300	57.1	222.5	15,900	110
115							11.2	172.1	13,600*	27.4	194.8	16,200*	42.2	211.1	16,700	53.2	218.8	13,500	115
120										18.7	182.2	14,600*	37.0	204.7	14,300	49.0	214.6	11,300	120
125													31.1	196.9	12,100	44.5	209.6	9,300	125
130													23.8	186.7	10,000	39.6	203.8	7,400	130
135													12.9	170.4	8,000	34.1	196.8	5,700	135
140																27.6	187.9	4,100	140



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	76.0	234.7	59,000*																35
40	72.2	233.1	57,400*																40
45	68.4	231.2	45,700*																45
50	64.4	228.8	37,400*																50
55	60.3	226.1	31,300*																55
60	55.9	222.8	26,600*																60
65	51.4	218.9	22,900*																65
70	46.5	214.3	19,800*																70
75	41.2	208.8	17,300*																75
80	35.1	202.0	15,200*																80
85	27.9	193.4	13,500*																85
90	18.1	180.7	12,000*																90
95																			95
100																			100
105																			105
110																			110
115																			115
120																			120
125																			125

150 Ft. Boom, 180 Ft. Jib

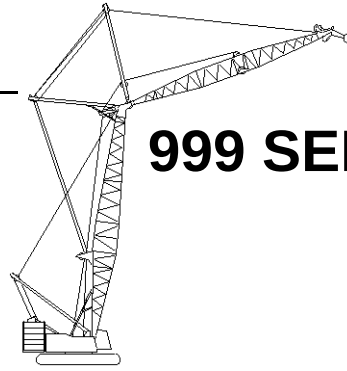
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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	49,800*				70
75	48.2	223.3	22,500*	52.6	227.5	26,000*	58.7	232.3	32,800*	64.5	235.4	42,000*				75
80	43.6	218.3	19,800*	48.4	223.2	22,800*	54.9	228.8	28,400*	60.8	232.7	35,800*				80
85	38.6	212.2	17,600*	43.8	218.2	20,100*	50.8	224.8	24,900*	57.0	229.5	31,000*				85
90	33.0	205.0	15,600*	38.9	212.2	17,900*	46.4	220.2	21,900*	53.1	225.8	27,000*	62.8	231.2	28,500	90
95	26.2	195.6	14,000*	33.2	205.0	15,900*	41.7	214.8	19,400*	48.9	221.6	23,700*	59.1	228.3	24,500	95
100	16.9	182.1	12,600*	26.5	195.8	14,200*	36.5	208.3	17,200*	44.4	216.6	20,900*	55.2	224.9	20,900	100
105																
110																
115							11.2	172.1	12,400*	27.4	194.8	14,700	42.2	211.1	12,100	115
120										18.7	182.2	12,000	37.0	204.7	9,600	120
125													31.1	196.9	7,400	125
130													23.8	186.7	5,200	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	25,900*				80
85	27.9	193.4	12,300*	35.4	202.0	14,200*	44.5	211.0	17,700*	52.1	217.0	22,200*				85
90	18.1	180.7	10,900*	28.3	193.5	12,500*	38.9	205.1	15,400*	47.3	212.5	19,300*	59.0	219.6	24,300	90
95				18.6	181.0	11,100*	32.5	197.7	13,600*	42.0	207.2	16,800*	54.6	216.1	20,100	95
100							24.5	187.9	12,000*	36.1	200.7	14,700*	50.0	212.1	16,300	100
105							12.0	171.2	10,700*	29.1	192.4	13,000*	45.0	207.2	12,900	105
110										19.9	180.6	11,400	39.4	201.4	9,800	110
115													33.1	194.2	6,900	115
120													25.4	184.7	4,200	120

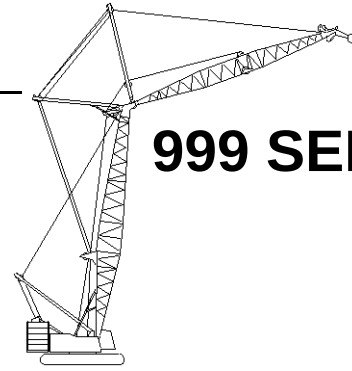
150 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			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.	
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	45,900*				70
75	48.2	223.3	20,600*	52.6	227.5	23,900*	58.7	232.3	30,100*	64.5	235.4	38,600*				75
80	43.6	218.3	18,100*	48.4	223.2	20,900*	54.9	228.8	26,100*	60.8	232.7	33,000*				80
85	38.6	212.2	16,000*	43.8	218.2	18,400*	50.8	224.8	22,800*	57.0	229.5	28,500*				85
90	33.0	205.0	14,300*	38.9	212.2	16,300*	46.4	220.2	20,100*	53.1	225.8	24,800*	62.8	231.2	24,700	90
95	26.2	195.6	12,700*	33.2	205.0	14,500*	41.7	214.8	17,700*	48.9	221.6	21,800*	59.1	228.3	20,500	95
100	16.9	182.1	11,400*	26.5	195.8	12,900*	36.5	208.3	15,700*	44.4	216.6	19,200*	55.2	224.9	16,800	100
105				17.5	182.5	11,600*	30.5	200.4	14,000*	39.4	210.8	16,000	51.2	220.9	13,500	105
110							23.0	189.8	12,500*	33.9	203.7	12,800	46.9	216.4	10,500	110
115							11.2	172.1	10,700	27.4	194.8	9,900	42.2	211.1	7,800	115
120										18.7	182.2	7,100	37.0	204.7	5,200	120

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	41,100*							70
75	53.2	236.5	24,400*	56.9	240.0	28,300*	62.2	243.9	35,400*	67.2	246.5	44,900*				75
80	49.5	232.3	21,600*	53.4	236.3	24,900*	58.9	240.9	30,800*	64.0	244.1	38,600*				80
85	45.5	227.5	19,200*	49.6	232.2	22,000*	55.4	237.5	27,100*	60.7	241.3	33,400				85
90	41.2	222.0	17,100*	45.7	227.4	19,500*	51.8	233.7	23,900*	57.3	238.2	28,600				90
95	36.5	215.5	15,300*	41.4	221.9	17,400*	47.9	229.3	21,200*	53.8	234.6	24,300	62.5	239.9	21,000	95
100	31.2	207.7	13,700*	36.7	215.5	15,600*	43.8	224.2	18,900*	50.1	230.5	20,400	59.2	236.9	17,300	100
105	24.8	197.8	12,400*	31.4	207.7	14,000*	39.4	218.4	16,900*	46.1	225.8	17,000	55.7	233.6	14,100	105
110	16.0	183.4	11,200*	25.1	197.9	12,600*	34.5	211.4	15,100*	41.9	220.4	13,900	52.1	229.8	11,100	110
115				16.5	183.9	11,400*	28.8	202.9	12,500	37.3	214.1	11,000	48.3	225.4	8,500	115
120							21.7	191.7	9,700	32.0	206.5	8,400	44.3	220.4	6,000	120
125							10.6	172.9	6,900	25.9	197.0	6,000				125

150 Ft. Boom, 220 Ft. Jib

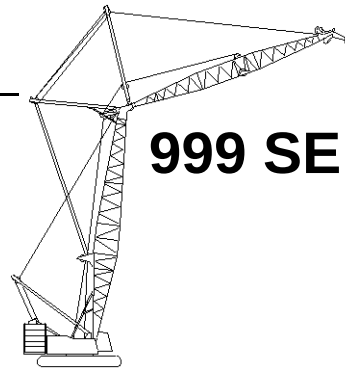
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib 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	74.5	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	35,100*							75
80	53.9	245.3	22,100*	57.2	248.6	25,700*	62.0	252.6	31,000*	66.6	255.2	37,800*				80
85	50.5	241.2	19,500*	54.0	245.1	22,500*	59.0	249.6	27,600*	63.6	252.8	33,200*				85
90	47.0	236.7	17,200*	50.7	241.1	19,900*	55.8	246.3	24,600*	60.7	250.0	28,900				90
95	43.2	231.5	15,200*	47.1	236.5	17,500*	52.6	242.5	21,700*	57.6	246.9	24,600				95
100	39.2	225.5	13,500*	43.4	231.4	15,500*	49.1	238.3	19,100*	54.4	243.4	20,800	62.3	248.5	17,400	100
105	34.7	218.6	11,900*	39.3	225.5	13,700*	45.5	233.5	16,900*	51.0	239.4	17,400	59.3	245.6	14,200	105
110	29.6	210.3	10,600*	34.9	218.6	12,200*	41.7	228.0	15,000*	47.5	234.9	14,400	56.1	242.3	11,300	110
115	23.5	199.8	9,400*	29.9	210.4	10,800*	37.4	221.7	13,300	43.8	229.8	11,600	52.9	238.6	8,700	115
120	15.2	184.6	8,400*	23.8	200.0	9,600*	32.8	214.3	10,600	39.8	224.0	9,000	49.5	234.4	6,300	120
125				15.7	185.2	8,600*	27.4	205.3	8,200	35.4	217.3	6,700	45.9	229.7	4,100	125
130							20.7	193.4	5,800	30.5	209.2	4,500				130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	75.8	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	44,000*							70
75	60.2	260.7	28,800*	63.0	263.3	32,400*	67.2	266.2	38,800*							75
80	57.3	257.5	26,000*	60.3	260.5	29,000*	64.6	263.9	34,500*							80
85	54.4	254.0	23,100*	57.5	257.3	26,200*	61.8	261.2	30,900*	66.0	263.9	34,200				85
90	51.4	250.1	20,600*	54.5	253.8	23,600*	59.1	258.3	27,800*	63.3	261.4	29,400				90
95	48.2	245.7	18,400*	51.5	249.9	21,000*	56.2	255.0	25,100*	60.6	258.7	25,200				95
100	44.8	240.8	16,400*	48.3	245.6	18,800*	53.2	251.3	22,800*	57.8	255.5	21,500				100
105	41.2	235.2	14,700*	45.0	240.7	16,800*	50.1	247.2	20,200	54.9	252.1	18,100	62.1	257.2	14,600	105
110	37.4	228.9	13,100*	41.4	235.1	15,000*	46.9	242.6	17,000	51.8	248.2	15,100	59.3	254.3	11,800	110
115	33.1	221.5	11,800*	37.6	228.9	13,500*	43.4	237.5	14,200	48.7	243.9	12,300	56.5	251.0	9,200	115
120	28.3	212.8	10,600*	33.3	221.6	12,100*	39.8	231.6	11,600	45.4	239.1	9,800	53.5	247.4	6,900	120
125	22.5	201.7	9,500*	28.5	212.9	10,800	35.8	224.9	9,200	41.8	233.6	7,500	50.4	243.3	4,700	125
130	14.5	185.8	6,100*	22.8	201.9	8,400	31.3	217.1	6,900	38.0	227.4	5,400				130
135				14.9	186.4	6,200	26.1	207.5	4,800							135

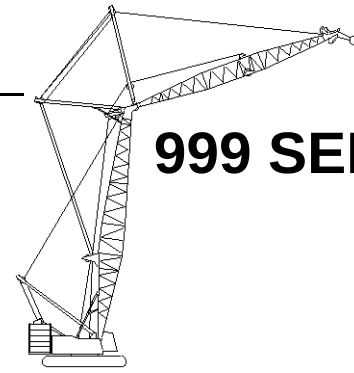
150 Ft. Boom, 240 Ft. Jib

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	37,100*				75
80	60.2	269.3	24,400*	62.8	271.9	27,400*	66.7	274.9	32,900*				80
85	57.5	266.2	21,900*	60.3	269.1	24,600*	64.2	272.5	29,300*	68.0		34,100	85
90	54.9	262.7	19,700*	57.7	266.0	22,100*	61.7	269.9	26,200*	65.6	272.6	29,400	90
95	52.1	258.9	17,800*	55.0	262.6	19,900*	59.1	266.9	23,500*	63.1	270.1	25,200	95
100	49.2	254.7	16,000*	52.2	258.7	17,900*	56.5	263.7	21,200*	60.6	267.3	21,500	100
105	46.1	250.0	14,500*	49.3	254.5	16,200*	53.8	260.1	19,100*	58.0	264.2	18,200	105
110	42.9	244.7	13,000*	46.3	249.8	14,600*	50.9	256.1	17,200*	55.3	260.8	15,200	110
115	39.5	238.8	11,500*	43.1	244.6	13,200*	48.0	251.7	14,500	52.5	257.0	12,500	115
120	35.8	232.1	10,200*	39.7	238.7	11,900*	44.9	246.7	11,900	49.6	252.9	10,000	120
125	31.7	224.4	9,000*	36.0	232.1	10,500*	41.6	241.2	9,500	46.6	248.2	7,700	125
130	27.1	215.1	7,900*	31.9	224.4	9,000	38.1	235.1	7,300	43.4	243.1	5,600	130
135	21.5	203.6	7,000*	27.3	215.2	6,900	34.3	228.0	5,300				135
140				21.8	203.8	4,900							140

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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 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	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

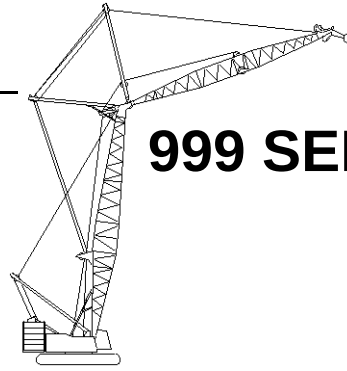
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate 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*	62.4	196.2	41,700* b				70
75													53.6	192.7	30,600*				75
80													43.4	187.8	23,800*				80
85													30.4	180.3	19,100*				85
90																50.2	186.8	28,300*	90
95																39.3	181.2	22,300*	95
100																24.2	172.1	18,000*	100



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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*							70
75													62.4	196.2	36,800*				75
80													53.6	192.7	26,900*				75
													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

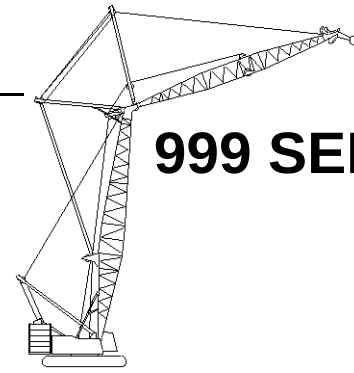
160 Ft. Boom, 100 Ft. Jib

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	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	
35	67.4	213.0	47,600*																35
40	60.9	210.3	35,600*	68.2	212.9	50,100*													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	39,300*				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	26,900	100
105																44.3	190.9	23,100*	105
110																34.7	184.2	19,100*	110
																21.3	173.8	16,000*	110

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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	22,800*	90
95																39.3	181.2	18,000*	95
100																24.2	172.1	14,600*	100

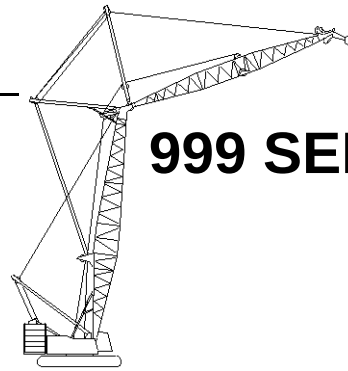
160 Ft. Boom, 120 Ft. Jib

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			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	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	34,400*			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	14,800*	52.3	195.7	95	
100																44.3	190.9	100	
105																34.7	184.2	105	
110																21.3	173.8	110	

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	34,100*			80	
85							18.9	184.0	12,900*	37.1	199.6	16,800*	55.8	210.2	27,600*			85	
90										27.6	191.0	14,300*	49.6	206.1	22,800*			90	
95													42.7	201.0	19,100*			95	
100													34.7	194.3	16,200*	53.7	204.5	20,100	
105													24.2	184.6	13,900*	47.3	200.1	17,000	
110																40.1	194.5	14,200	
115																31.4	187.0	11,500	
120																19.2	175.3	8,900	

160 Ft. Boom, 140 Ft. Jib

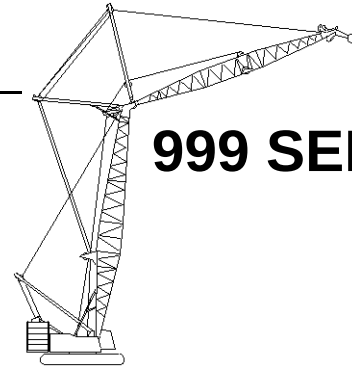
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet						
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. 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	234.4	59,000*	70.3	232.4	54,800*																			
40	69.8	232.6	52,900*																						
45	65.3	230.3	41,600*																						
50	60.6	227.6	33,900*																						
55	55.7	224.3	28,100*																						
60	50.4	220.3	23,800*	56.3	224.3	28,900*	64.3	228.5	40,400*	67.3	228.7	47,100*													
65	44.7	215.4	20,300*	51.0	220.4	24,400*	59.6	225.6	33,000*																
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*				
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*				
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*				
85				21.8	191.5	13,500*	36.7	206.6	17,200*	47.2	215.0	22,300*	61.3	222.2	35,700										
90							28.7	198.2	15,000*	41.1	209.5	19,100*	56.5	219.0	30,000*										
95							17.3	185.4	13,100*	34.1	202.6	16,500*	51.2	215.1	25,300*										
100																									
105																									
110													31.9	197.1	16,100*	49.3	209.1	14,400	110						
115													22.2	186.5	14,000*	43.5	204.1	11,900	115						
120																36.8	197.8	9,600	120						
125																28.9	189.5	7,500	125						
130																17.6	176.8	5,300	130						



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

160 Ft. Boom, 150 Ft. Jib

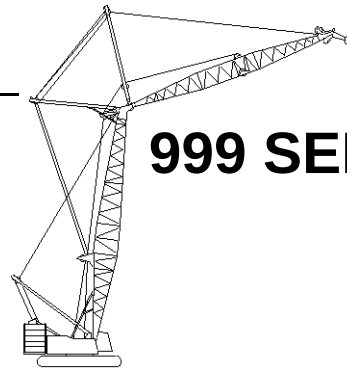
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	72.5	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	45,800*							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	31,800				90
95				20.3	193.2	13,400*	34.1	209.6	16,600*	43.9	219.0	20,800*	56.9	227.7	27,900				95
100							26.7	200.5	14,700*	38.3	213.0	18,200*	52.4	223.9	24,400				100
105							16.1	186.7	13,000*	31.7	205.4	16,100*	47.6	219.5	21,300				105
110										23.6	195.2	14,200*	42.4	214.2	18,400	55.4	222.0	15,000	110
115													36.5	207.8	15,800	50.8	218.1	12,600	115
120													29.6	199.6	13,400	45.8	213.4	10,400	120
125													20.7	188.2	11,100	40.4	207.7	8,400	125
130																34.3	200.8	6,500	130
135																26.8	191.8	4,700	135



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	48,800*						75	
80	43.9	228.6	22,000*	49.0	233.8	25,500*	55.8	239.6	32,300*	62.1	243.5	41,500*						80	
85	39.0	222.7	19,500*	44.5	228.9	22,500*	51.8	235.8	28,200*	58.4	240.5	35,700*						85	
90	33.4	215.5	17,400*	39.6	223.1	20,000*	47.5	231.3	24,800*	54.5	237.0	31,100*						90	
95	26.7	206.4	15,500*	34.1	216.0	17,800*	42.9	226.1	21,900*	50.3	233.0	27,200*	61.0	239.5	27,700			95	
100	17.7	193.3	14,000*	27.6	207.2	15,900*	37.8	219.9	19,500*	46.0	228.3	24,000*	57.3	236.4	24,300			100	
105				19.0	194.8	14,300*	32.0	212.4	17,400*	41.2	222.8	21,300*	53.3	232.7	21,200			105	
110							25.0	202.7	15,500*	35.9	216.2	18,900*	49.1	228.5	18,400			110	
115							15.0	187.9	13,900*	29.8	208.0	16,900*	44.7	223.6	15,900	55.9	230.8	12,400	115
120										22.1	197.1	15,100*	39.8	217.8	13,600	51.9	226.9	10,300	120
125													34.3	210.8	11,400	47.6	222.5	8,300	125
130													27.8	202.1	9,400	43.0	217.3	6,500	130
135													19.4	189.8	7,500	37.9	211.1	4,800	135

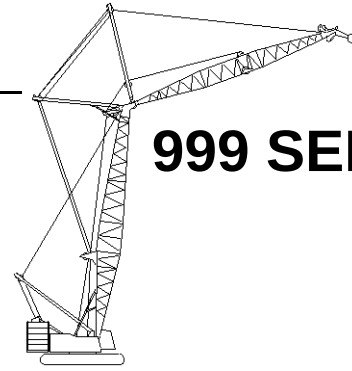
160 Ft. Boom, 170 Ft. Jib

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	42,300*				70
75	41.5	219.2	17,500*	47.4	224.8	20,600*	55.3	230.9	26,600*	62.4	234.9	35,200*				75
80	35.6	212.6	15,400*	42.2	219.5	17,900*	50.7	226.9	22,900*	58.1	231.8	29,700*				80
85	28.5	204.1	13,600*	36.3	213.0	15,700*	45.7	222.2	19,900*	53.7	228.2	25,400*				85
90	18.9	191.8	12,000*	29.4	204.8	13,900*	40.3	216.6	17,400*	49.0	224.0	22,000*	61.2	230.8	27,600	90
95				20.3	193.2	12,300*	34.1	209.6	15,300*	43.9	219.0	19,200*	56.9	227.7	23,500	95
100							26.7	200.5	13,500*	38.3	213.0	16,800*	52.4	223.9	19,900	100
105							16.1	186.7	12,000*	31.7	205.4	14,800*	47.6	219.5	16,700	105
110										23.6	195.2	13,100*	42.4	214.2	13,700	110
115													36.5	207.8	11,000	115
120													29.6	199.6	8,500	120
125													20.7	188.2	6,100	125

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	74.5	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	44,700*				75
80	43.9	228.6	20,000*	49.0	233.8	23,300*	55.8	239.6	29,500*	62.1	243.5	38,000*				80
85	39.0	222.7	17,700*	44.5	228.9	20,500*	51.8	235.8	25,700*	58.4	240.5	32,700*				85
90	33.4	215.5	15,700*	39.6	223.1	18,200*	47.5	231.3	22,600*	54.5	237.0	28,400*				90
95	26.7	206.4	14,100*	34.1	216.0	16,100*	42.9	226.1	20,000*	50.3	233.0	24,900*	61.0	239.5	23,600	95
100	17.7	193.3	12,600*	27.6	207.2	14,400*	37.8	219.9	17,700*	46.0	228.3	21,900*	57.3	236.4	20,100	100
105				19.0	194.8	12,900*	32.0	212.4	15,800*	41.2	222.8	19,400*	53.3	232.7	16,900	105
110							25.0	202.7	14,100*	35.9	216.2	17,200	49.1	228.5	14,000	110
115							15.0	187.9	12,600*	29.8	208.0	14,300	44.7	223.6	11,400	115
120										22.1	197.1	11,700	39.8	217.8	9,000	120
125													34.3	210.8	6,800	125
130													27.8	202.1	4,700	130

160 Ft. Boom, 190 Ft. Jib

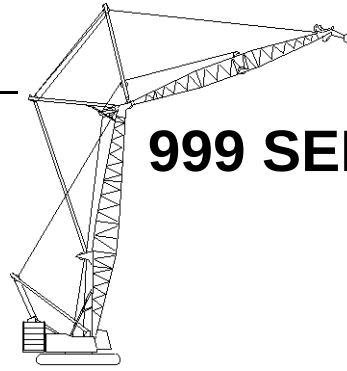
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib 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	54,300*													40
45	68.6	241.3	43,100*	72.9	243.1	56,200*										45
50	64.7	239.0	35,200*	69.1	241.2	44,500*										50
55	60.5	236.3	29,400*	65.1	238.9	36,300*										55
60	56.3	233.0	24,900*	61.0	236.2	30,200*	67.8	239.6	41,800*							60
65	51.7	229.1	21,300*	56.8	233.0	25,600*	63.8	237.2	34,400*							65
70	46.9	224.6	18,400*	52.2	229.3	21,900*	59.6	234.3	28,800*	66.4	237.4	39,200*				70
75	41.5	219.2	16,100*	47.4	224.8	18,900*	55.3	230.9	24,500*	62.4	234.9	32,600*				75
80	35.6	212.6	14,100*	42.2	219.5	16,500*	50.7	226.9	21,100*	58.1	231.8	27,500*				80
85	28.5	204.1	12,400*	36.3	213.0	14,500*	45.7	222.2	18,300*	53.7	228.2	23,500*				85
90	18.9	191.8	11,000*	29.4	204.8	12,700*	40.3	216.6	16,000*	49.0	224.0	20,300*	61.2	230.8	23,700	90
95				20.3	193.2	11,300*	34.1	209.6	14,000*	43.9	219.0	17,700*	56.9	227.7	19,500	95
100							26.7	200.5	12,400*	38.3	213.0	15,500*	52.4	223.9	15,700	100
105							16.1	186.7	11,000*	31.7	205.4	13,600*	47.6	219.5	12,300	105
110										23.6	195.2	11,100	42.4	214.2	9,200	110
115													36.5	207.8	6,400	115



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	74.5	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	41,200*				75
80	43.9	228.6	18,300*	49.0	233.8	21,300*	55.8	239.6	27,100*	62.1	243.5	35,000*				80
85	39.0	222.7	16,200*	44.5	228.9	18,800*	51.8	235.8	23,600*	58.4	240.5	30,100*				85
90	33.4	215.5	14,300*	39.6	223.1	16,600*	47.5	231.3	20,700*	54.5	237.0	26,100*				90
95	26.7	206.4	12,800*	34.1	216.0	14,700*	42.9	226.1	18,300*	50.3	233.0	22,800*	61.0	239.5	19,800	95
100	17.7	193.3	11,500*	27.6	207.2	13,100*	37.8	219.9	16,200*	46.0	228.3	19,100	57.3	236.4	16,100	100
105				19.0	194.8	11,800*	32.0	212.4	14,400*	41.2	222.8	15,600	53.3	232.7	12,900	105
110							25.0	202.7	12,900*	35.9	216.2	12,500	49.1	228.5	9,900	110
115							15.0	187.9	10,700	29.8	208.0	9,500	44.7	223.6	7,200	115
120										22.1	197.1	6,800	39.8	217.8	4,700	120

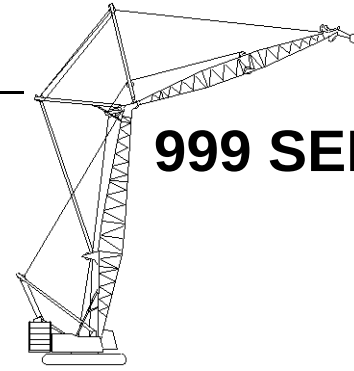
160 Ft. Boom, 210 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			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	73.1	262.7	59,000*													45
50	70.0	260.9	51,100*	73.4	262.5	59,000*										50
55	66.9	258.8	43,700*	70.4	260.7	52,100*										55
60	63.7	256.4	37,300*	67.3	258.7	44,800*										60
65	60.4	253.6	32,200*	64.1	256.3	38,300*	69.4	259.2	49,800*							65
70	57.0	250.4	28,100*	60.8	253.5	33,100*	66.2	257.0	42,800*							70
75	53.5	246.8	24,600*	57.4	250.4	28,800*	63.0	254.5	36,800*							75
80	49.7	242.6	21,800*	53.9	246.8	25,300*	59.7	251.6	32,000*	65.1	254.8	38,300				80
85	45.8	237.9	19,300*	50.2	242.8	22,400*	56.3	248.3	28,000*	61.9	252.2	32,800				85
90	41.5	232.4	17,200*	46.2	238.1	19,800*	52.7	244.6	24,700*	58.5	249.2	28,000				90
95	36.8	226.0	15,400*	42.0	232.7	17,700*	48.9	240.3	21,800*	55.0	245.7	23,800				95
100	31.6	218.3	13,800*	37.4	226.4	15,800*	44.9	235.5	19,400*	51.4	241.8	20,000	60.9	248.2	16,600	100
105	25.3	208.6	12,400*	32.2	218.9	14,200*	40.5	229.8	17,400*	47.5	237.4	16,500	57.5	245.0	13,400	105
110	16.8	194.7	11,200*	26.1	209.4	12,700*	35.7	223.1	15,200	43.4	232.2	13,500	54.0	241.5	10,500	110
115				17.9	196.3	11,500*	30.3	215.1	12,200	38.9	226.3	10,600	50.3	237.4	7,800	115
120							23.7	204.7	9,500	33.9	219.2	8,000	46.4	232.8	5,400	120
125							14.2	189.0	6,800	28.2	210.5	5,600				125

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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	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	74.7	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	41,600*				70
75	57.3	259.1	25,500*	60.7	262.2	29,500*	65.7	265.7	36,400*				75
80	54.1	255.5	22,300*	57.7	259.1	26,200*	62.7	263.2	32,100*	67.5	265.8	38,400	80
85	50.8	251.5	19,600*	54.5	255.6	23,000*	59.7	260.3	28,500*	64.7	263.5	33,000	85
90	47.2	247.0	17,300*	51.1	251.6	20,200*	56.6	257.0	25,400*	61.7	260.8	28,300	90
95	43.5	241.9	15,300*	47.6	247.2	17,800*	53.4	253.4	22,400*	58.7	257.8	24,100	95
100	39.4	236.0	13,500*	43.9	242.1	15,800*	50.0	249.3	19,700*	55.5	254.5	20,300	100
105	35.0	229.1	12,000*	39.9	236.3	14,000*	46.4	244.6	17,500*	52.2	250.7	16,900	105
110	30.0	220.9	10,600*	35.5	229.6	12,400*	42.6	239.3	15,500*	48.8	246.4	13,900	110
115	24.0	210.6	9,400*	30.6	221.6	10,900*	38.5	233.3	13,000	45.1	241.5	11,100	115
120	15.9	196.0	8,400*	24.8	211.6	9,700*	34.0	226.2	10,400	41.2	236.0	8,600	120
125				17.0	197.7	8,700*	28.8	217.6	7,900	37.0	229.6	6,300	125
130							22.5	206.6	5,600	32.3	222.0	4,100	130

160 Ft. Boom, 230 Ft. Jib

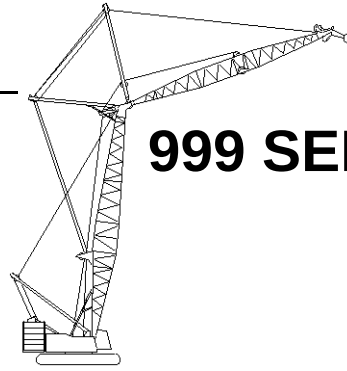
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	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	45,500*				70
75	60.4	270.9	29,100*	63.4	273.6	33,000*	67.8	276.7	40,100*				75
80	57.5	267.8	26,200*	60.7	270.9	29,600*	65.2	274.4	35,600*				80
85	54.6	264.3	23,300*	57.9	267.8	26,600*	62.5	271.8	31,900*	66.9	274.5	33,500	85
90	51.6	260.4	20,700*	55.0	264.3	24,000*	59.7	268.9	28,600*	64.3	272.2	28,800	90
95	48.4	256.0	18,500*	51.9	260.5	21,300*	56.9	265.7	25,900*	61.6	269.5	24,600	95
100	45.1	251.1	16,500*	48.8	256.2	19,000*	54.0	262.2	23,300	58.8	266.5	20,900	100
105	41.5	245.6	14,700*	45.5	251.4	17,000*	50.9	258.2	19,800	55.9	263.2	17,600	105
110	37.7	239.4	13,200*	41.9	245.9	15,200*	47.7	253.7	16,700	52.9	259.5	14,600	110
115	33.4	232.1	11,800*	38.1	239.8	13,600*	44.3	248.7	13,900	49.8	255.3	11,800	115
120	28.6	223.4	10,600*	33.9	232.6	12,200*	40.7	243.0	11,300	46.5	250.7	9,400	120
125	22.9	212.6	9,500*	29.2	224.2	10,700	36.8	236.6	8,900	43.1	245.5	7,100	125
130	15.2	197.2	6,700*	23.6	213.6	8,300	32.4	229.0	6,700	39.4	239.5	5,000	130
135				16.3	199.1	6,100	27.5	220.0	4,600				135



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

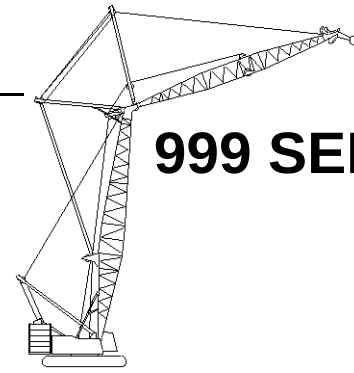
160 Ft. Boom, 240 Ft. Jib

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	74.8	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	38,300*				75
80	60.3	279.5	24,600*	63.2	282.3	27,900*	67.2	285.4	33,900*				80
85	57.7	276.4	22,100*	60.6	279.5	25,000*	64.8	283.1	30,200*				85
90	55.0	273.0	19,900*	58.0	276.4	22,500*	62.3	280.5	27,000*	66.4	283.3	28,700	90
95	52.3	269.2	18,000*	55.4	273.0	20,200*	59.8	277.6	24,200*	64.0	280.8	24,600	95
100	49.4	265.0	16,200*	52.6	269.3	18,200*	57.1	274.4	21,800*	61.4	278.2	20,900	100
105	46.4	260.3	14,600*	49.7	265.1	16,500*	54.4	270.9	19,600*	58.9	275.2	17,600	105
110	43.2	255.1	13,100*	46.7	260.5	14,900*	51.6	267.0	17,000	56.2	271.9	14,600	110
115	39.8	249.2	11,600*	43.5	255.3	13,400*	48.7	262.7	14,100	53.5	268.2	11,900	115
120	36.1	242.6	10,200*	40.2	249.6	12,000*	45.7	257.9	11,600	50.6	264.2	9,500	120
125	32.0	234.9	9,000*	36.5	243.0	10,600*	42.4	252.6	9,200	47.7	259.7	7,200	125
130	27.5	225.8	7,900*	32.5	235.5	8,900	39.0	246.6	7,100	44.6	254.8	5,200	130
135	22.0	214.5	6,600*	28.0	226.6	6,800	35.2	239.7	5,000				135
140				22.7	215.6	4,800							140

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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 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	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	42,500* b	90
95																47.0	194.7	32,200*	95
100																35.3	188.3	25,700*	100

170 Ft. Boom, 80 Ft. Jib

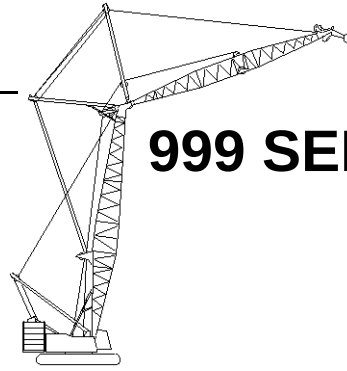
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate 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	35,200*	90
95																47.0	194.7	26,700*	95
100																35.3	188.3	21,100*	100



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
35	61.7	211.8	33,700*b																35
40	52.8	208.2	25,100*	63.3	212.0	36,400*b													40
45	42.5	203.2	19,600*	54.5	208.6	26,700*													45
50	29.1	195.4	15,700*	44.5	203.9	20,700*	61.3	210.3	34,300*										50
55				32.0	196.8	16,500*	52.4	206.7	25,400*	67.6	211.0	46,700*b							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	29,400	90
95																47.0	194.7	23,300*	95
100																35.3	188.3	18,300*	100

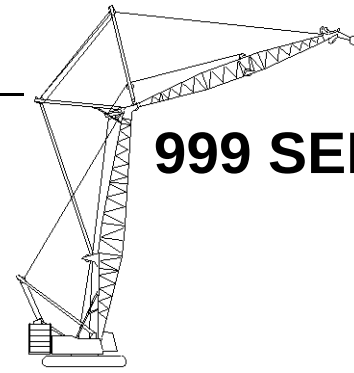
170 Ft. Boom, 100 Ft. Jib

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		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	67.9	223.1	49,200* b															35	
40	61.4	220.5	36,600*	69.0	223.2	53,300* b												40	
45	54.3	217.0	28,600*	62.6	220.6	38,900*												45	
50	46.6	212.5	23,100*	55.7	217.4	30,200*	67.6	221.7	50,300*									50	
55	37.5	206.5	19,100*	48.1	213.1	24,200*	61.0	219.0	37,200*									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	35,200*			80	
85										21.0	190.9	15,600*	51.3	209.2	27,700*			85	
90													43.1	204.1	22,500*			90	
95													33.3	197.2	18,600*	57.3	207.7	95	
100													18.8	185.7	15,600*	49.9	203.7	100	
105																41.5	198.4	105	
110																31.1	191.0	110	

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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	25,600	90
95																47.0	194.7	21,300	95
100																35.3	188.3	17,000*	100

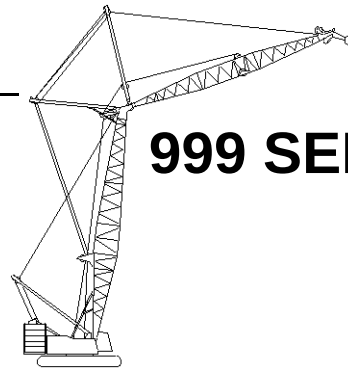
170 Ft. Boom, 120 Ft. Jib

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			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	
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	30,700*			80	
85										21.0	190.9	13,800*	51.3	209.2	24,300*			85	
90													43.1	204.1	19,700*			90	
95													33.3	197.2	16,400*	57.3	207.7	95	
100													18.8	185.7	13,700*	49.9	203.7	100	
105																41.5	198.4	105	
110																31.1	191.0	110	

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	31,000*			85	
90										31.2	204.2	15,200*	52.9	218.0	25,300*			90	
95										18.9	192.5	13,000*	46.4	213.5	21,000*			95	
100													39.0	207.7	17,800*	57.8	216.4	19,100	
105													30.1	199.8	15,100*	51.8	212.6	16,000	
110													16.9	187.1	13,000*	45.1	207.9	13,300	
115																37.5	201.8	10,700	
120																28.1	193.4	8,300	

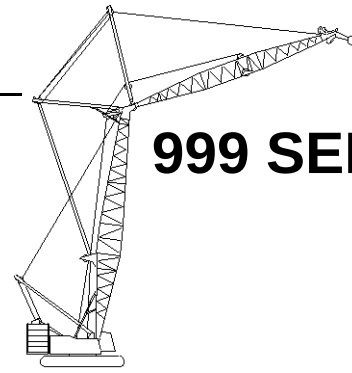
170 Ft. Boom, 140 Ft. Jib

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			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		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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	30,200				90
95							20.7	199.2	13,500*	36.7	215.1	17,400*	54.0	226.8	26,300				95
100										28.7	206.7	15,100*	48.6	222.6	22,700				100
105										17.3	193.9	13,200*	42.6	217.4	19,600				105
110													35.9	210.8	16,600	53.0	221.5	13,400	110
115													27.6	202.2	13,900	47.5	217.0	11,000	115
120													15.5	188.3	11,200	41.5	211.6	8,700	120
125																34.5	204.8	6,600	125
130																25.9	195.6	4,700	130

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

170 Ft. Boom, 150 Ft. Jib

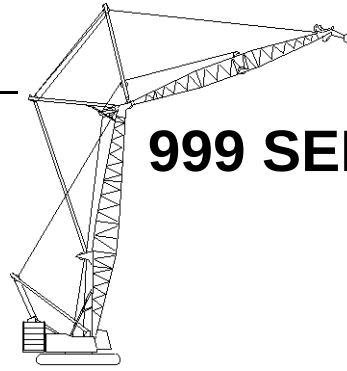
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. 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	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	49,500*				70
75	41.9	229.6	19,200*	48.1	235.4	22,800*	56.4	241.7	30,000*	63.8	245.7	40,800*				75
80	36.0	223.1	16,800*	42.9	230.3	19,900*	51.8	237.9	25,800*	59.6	242.8	34,200*				80
85	29.0	214.7	14,900*	37.2	224.0	17,400*	47.0	233.4	22,300*	55.3	239.4	29,200*				85
90	19.8	202.9	13,200*	30.4	216.1	15,400*	41.7	228.0	19,500*	50.7	235.4	25,100*				90
95				21.8	205.1	13,600*	35.7	221.4	17,100*	45.7	230.7	21,800*	59.1	239.0	26,900	95
100							28.7	212.9	15,100*	40.3	225.1	19,100*	54.8	235.6	23,500	100
105							19.2	200.8	13,400*	34.1	218.1	16,800*	50.1	231.5	20,400	105
110										26.7	209.0	14,900*	45.1	226.7	17,600	110
115										16.1	195.2	13,200*	39.6	220.9	15,000	115
120													33.4	213.8	12,700	120
125													25.7	204.4	10,500	125
130													14.3	189.4	8,200	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

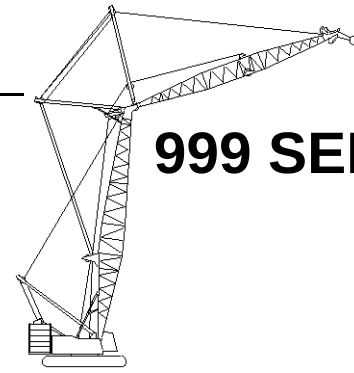
170 Ft. Boom, 160 Ft. Jib

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	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	74.7	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	51,600				75
80	44.3	239.0	22,100*	49.6	244.4	26,000*	56.8	250.4	33,500*	63.4	254.3	44,100*				80
85	39.3	233.1	19,600*	45.1	239.6	22,900*	52.8	246.7	29,200*	59.7	251.5	37,800*				85
90	33.8	226.1	17,400*	40.3	233.9	20,300*	48.6	242.4	25,600*	55.8	248.1	32,700*				90
95	27.2	217.1	15,600*	34.9	227.1	18,000*	44.1	237.4	22,600*	51.8	244.3	28,600*	62.9	250.6	26,600	95
100	18.5	204.4	14,000*	28.6	218.6	16,100*	39.1	231.5	20,000*	47.5	239.8	25,100*	59.2	247.7	23,300	100
105				20.4	206.8	14,400*	33.5	224.3	17,800*	42.9	234.6	22,200*	55.4	244.3	20,300	105
110							26.9	215.3	15,900*	37.8	228.4	19,700*	51.3	240.4	17,600	110
115							18.0	202.3	14,300*	32.0	220.9	17,600*	47.0	235.9	15,100	115
120										25.0	211.2	15,700*	42.4	230.6	12,800	120
125										15.0	196.4	13,800	37.2	224.3	10,700	125
130													31.3	216.5	8,700	130
135													24.1	206.5	6,900	135
140													13.4	190.5	5,000	140

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	45,700*				70
75	41.9	229.6	17,600*	48.1	235.4	21,000*	56.4	241.7	27,700*	63.8	245.7	37,700*				75
80	36.0	223.1	15,500*	42.9	230.3	18,300*	51.8	237.9	23,800*	59.6	242.8	31,600*				80
85	29.0	214.7	13,600*	37.2	224.0	16,000*	47.0	233.4	20,600*	55.3	239.4	26,900*				85
90	19.8	202.9	12,100*	30.4	216.1	14,100*	41.7	228.0	18,000*	50.7	235.4	23,200*				90
95				21.8	205.1	12,500*	35.7	221.4	15,800*	45.7	230.7	20,100*	59.1	239.0	22,700	95
100							28.7	212.9	13,900*	40.3	225.1	17,600*	54.8	235.6	19,100	100
105							19.2	200.8	12,300*	34.1	218.1	15,500*	50.1	231.5	15,900	105
110										26.7	209.0	13,700*	45.1	226.7	13,000	110
115										16.1	195.2	12,100*	39.6	220.9	10,300	115
120													33.4	213.8	7,900	120
125													25.7	204.4	5,600	125

170 Ft. Boom, 180 Ft. Jib

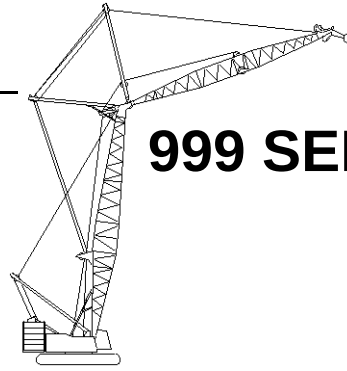
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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	47,400				75
80	44.3	239.0	20,100*	49.6	244.4	23,700*	56.8	250.4	30,600*	63.4	254.3	40,400*				80
85	39.3	233.1	17,800*	45.1	239.6	20,800*	52.8	246.7	26,600*	59.7	251.5	34,600*				85
90	33.8	226.1	15,800*	40.3	233.9	18,400*	48.6	242.4	23,300*	55.8	248.1	29,900*				90
95	27.2	217.1	14,100*	34.9	227.1	16,400*	44.1	237.4	20,600*	51.8	244.3	26,100*	62.9	250.6	22,600	95
100	18.5	204.4	12,700*	28.6	218.6	14,600*	39.1	231.5	18,200*	47.5	239.8	22,900*	59.2	247.7	19,200	100
105				20.4	206.8	13,100*	33.5	224.3	16,200*	42.9	234.6	19,800	55.4	244.3	16,100	105
110							26.9	215.3	14,500*	37.8	228.4	16,700	51.3	240.4	13,200	110
115							18.0	202.3	13,000*	32.0	220.9	13,900	47.0	235.9	10,700	115
120										25.0	211.2	11,300	42.4	230.6	8,300	120
125										15.0	196.4	8,700	37.2	224.3	6,100	125
130													31.3	216.5	4,100	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	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	42,400*				70
75	41.9	229.6	16,200*	48.1	235.4	19,300*	56.4	241.7	25,600*	63.8	245.7	34,900*				75
80	36.0	223.1	14,200*	42.9	230.3	16,800*	51.8	237.9	21,900*	59.6	242.8	29,300*				80
85	29.0	214.7	12,500*	37.2	224.0	14,700*	47.0	233.4	19,000*	55.3	239.4	24,900*				85
90	19.8	202.9	11,100*	30.4	216.1	12,900*	41.7	228.0	16,500*	50.7	235.4	21,400*				90
95				21.8	205.1	11,400*	35.7	221.4	14,500*	45.7	230.7	18,600*	59.1	239.0	18,700	95
100							28.7	212.9	12,800*	40.3	225.1	16,200*	54.8	235.6	15,000	100
105							19.2	200.8	11,300*	34.1	218.1	14,200	50.1	231.5	11,700	105
110										26.7	209.0	10,900	45.1	226.7	8,700	110
115										16.1	195.2	7,700	39.6	220.9	5,900	115

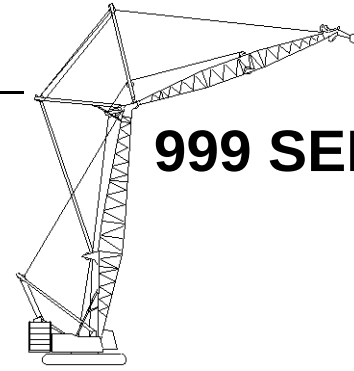
170 Ft. Boom, 200 Ft. Jib

Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			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	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	43,500				75
80	44.3	239.0	18,400*	49.6	244.4	21,700*	56.8	250.4	28,100*	63.4	254.3	37,200				80
85	39.3	233.1	16,200*	45.1	239.6	19,100*	52.8	246.7	24,500*	59.7	251.5	31,600				85
90	33.8	226.1	14,400*	40.3	233.9	16,800*	48.6	242.4	21,400*	55.8	248.1	26,800				90
95	27.2	217.1	12,800*	34.9	227.1	14,900*	44.1	237.4	18,800*	51.8	244.3	22,500	62.9	250.6	19,000	95
100	18.5	204.4	11,500*	28.6	218.6	13,300*	39.1	231.5	16,700*	47.5	239.8	18,700	59.2	247.7	15,400	100
105				20.4	206.8	11,900*	33.5	224.3	14,800*	42.9	234.6	15,200	55.4	244.3	12,100	105
110							26.9	215.3	13,200*	37.8	228.4	12,100	51.3	240.4	9,200	110
115							18.0	202.3	10,500	32.0	220.9	9,200	47.0	235.9	6,600	115
120										25.0	211.2	6,500	42.4	230.6	4,100	120

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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	73.3	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	51,900*							65
70	57.3	260.6	28,300*	61.3	263.9	33,800*	67.0	267.5	44,600*							70
75	53.7	257.0	24,800*	57.9	260.8	29,400*	63.8	265.1	38,300*							75
80	50.0	252.9	21,900*	54.4	257.3	25,800*	60.5	262.3	33,100*	66.2	265.5	37,700				80
85	46.1	248.2	19,400*	50.7	253.3	22,700*	57.1	259.1	28,900*	63.0	263.0	32,200				85
90	41.8	242.8	17,200*	46.8	248.8	20,100*	53.6	255.5	25,400*	59.7	260.1	27,400				90
95	37.2	236.5	15,400*	42.6	243.5	17,900*	49.8	251.4	22,500*	56.3	256.8	23,200				95
100	32.0	228.9	13,800*	38.1	237.3	16,000*	45.9	246.6	20,000*	52.7	253.1	19,400	62.6	259.3	15,700	100
105	25.7	219.3	12,400*	33.0	230.0	14,300*	41.6	241.2	17,800*	48.9	248.8	16,100	59.3	256.4	12,600	105
110	17.5	205.9	11,200*	27.0	220.9	12,900*	37.0	234.8	14,900	44.9	244.0	13,000	55.9	253.0	9,700	110
115				19.3	208.5	11,600*	31.7	227.1	12,000	40.5	238.3	10,200	52.3	249.2	7,100	115
120							25.4	217.5	9,300	35.7	231.6	7,600	48.5	244.9	4,800	120
125							17.0	203.7	6,700	30.3	223.6	5,300				125

170 Ft. Boom, 220 Ft. Jib

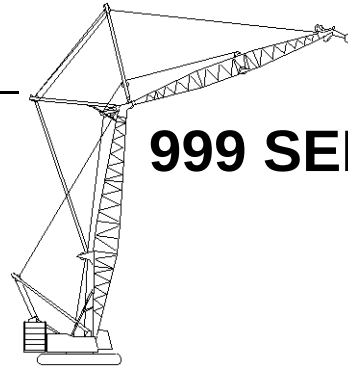
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		
		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds		Elev. Feet	Capacity Pounds	
45	74.9	283.2	57,200*										45
50	72.1	281.6	50,100*										50
55	69.3	279.8	43,300*	72.6		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	43,300*				70
75	57.5	269.3	25,600*	61.2	272.6	30,200*	66.4	276.2	37,800*				75
80	54.3	265.8	22,400*	58.1	269.5	26,700*	63.5	273.7	33,300*				80
85	51.0	261.8	19,700*	54.9	266.1	23,300*	60.5	270.9	29,500*	65.7	274.2	32,300	85
90	47.5	257.3	17,300*	51.6	262.2	20,500*	57.4	267.8	26,300*	62.7	271.6	27,600	90
95	43.8	252.2	15,300*	48.1	257.8	18,100*	54.2	264.2	23,100*	59.7	268.8	23,500	95
100	39.7	246.4	13,500*	44.5	252.8	16,000*	50.8	260.3	20,300*	56.6	265.5	19,700	100
105	35.3	239.6	11,900*	40.5	247.2	14,100*	47.3	255.7	18,000*	53.4	261.9	16,400	105
110	30.4	231.6	10,600*	36.2	240.6	12,500*	43.6	250.6	15,600	50.0	257.8	13,400	110
115	24.5	221.4	9,400*	31.3	232.8	11,100*	39.5	244.8	12,700	46.4	253.1	10,700	115
120	16.6	207.3	8,400*	25.7	223.1	9,800*	35.1	237.9	10,100	42.6	247.8	8,200	120
125				18.3	210.0	8,700*	30.1	229.8	7,700	38.5	241.8	5,900	125
130							24.2	219.5	5,400				130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

170 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	
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	47,000*				70
75	60.6	281.1	29,400*	63.8	284.0	33,600*	68.5	287.1	41,500*				75
80	57.7	278.0	26,400*	61.1	281.2	30,100*	65.8	284.9	36,800*				80
85	54.8	274.5	23,400*	58.3	278.2	27,100*	63.2	282.4	32,900*	67.8	285.2	32,800	85
90	51.8	270.6	20,700*	55.4	274.8	24,300*	60.4	279.6	29,500*	65.2	282.9	28,100	90
95	48.6	266.3	18,500*	52.4	271.0	21,600*	57.6	276.5	26,600*	62.5	280.3	24,000	95
100	45.3	261.5	16,400*	49.2	266.8	19,200*	54.7	273.0	22,900	59.8	277.4	20,300	100
105	41.8	256.0	14,400*	45.9	262.0	17,200*	51.7	269.1	19,500	56.9	274.2	17,000	105
110	37.9	249.8	12,700*	42.4	256.7	15,300*	48.5	264.8	16,400	54.0	270.6	14,000	110
115	33.7	242.6	11,200*	38.7	250.6	13,700*	45.1	259.9	13,600	50.9	266.7	11,300	115
120	29.0	234.1	10,100*	34.5	243.7	12,300*	41.6	254.4	11,000	47.7	262.2	8,900	120
125	23.4	223.5	9,200*	29.9	235.4	10,500	37.8	248.2	8,600	44.3	257.2	6,600	125
130	15.8	208.6	7,300*	24.5	225.2	8,200	33.5	240.9	6,400	40.7	251.5	4,500	130
135				17.5	211.5	6,000	28.8	232.3	4,400				135

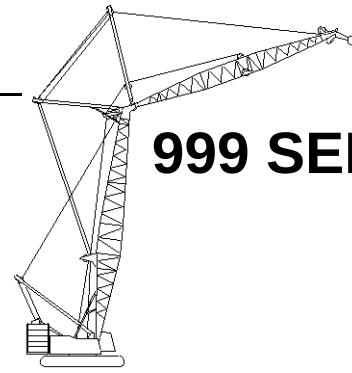
170 Ft. Boom, 240 Ft. Jib

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	75.0	302.6	46,700*										50
55	72.7	301.1	43,600*										55
60	70.3	299.3	39,400*	73.1	301.0	46,000*							60
65	67.9	297.3	34,900*	70.8	299.3	40,500*							65
70	65.5	295.0	31,100*	68.4	297.3	35,900*							70
75	63.0	292.5	27,700*	66.0	295.1	31,900*	70.2	297.9	39,500*				75
80	60.5	289.7	24,900*	63.5	292.6	28,500*	67.8	295.8	35,000*				80
85	57.9	286.7	22,300*	61.0	289.9	25,500*	65.4	293.6	31,200*				85
90	55.2	283.2	20,100*	58.4	286.9	22,900*	62.9	291.1	27,900*	67.2	293.9	28,000	90
95	52.5	279.5	18,100*	55.7	283.5	20,600*	60.4	288.3	25,000*	64.8	291.6	23,900	95
100	49.6	275.3	16,400*	53.0	279.8	18,600*	57.8	285.1	22,400*	62.3	289.0	20,300	100
105	46.6	270.6	14,700*	50.1	275.7	16,800*	55.1	281.7	19,700	59.8	286.1	17,000	105
110	43.4	265.5	12,900*	47.1	271.1	15,100*	52.3	277.9	16,600	57.2	282.9	14,100	110
115	40.0	259.7	11,300*	44.0	266.1	13,700*	49.5	273.7	13,800	54.4	279.4	11,400	115
120	36.4	253.1	10,000*	40.6	260.4	12,100*	46.4	269.1	11,300	51.6	275.5	9,000	120
125	32.3	245.5	8,900*	37.1	254.0	10,700*	43.2	263.9	8,900	48.7	271.2	6,800	125
130	27.8	236.5	7,900*	33.1	246.6	8,800	39.8	258.0	6,800	45.7	266.4	4,700	130
135	22.4	225.4	5,900*	28.7	237.9	6,700	36.2	251.4	4,800				135
140				23.5	227.3	4,700							140

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		
40	53.5	218.5	35,100*b															40	
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	39,800*	95
100																43.6	202.3	30,500*	100
105																30.7	194.9	24,500*	105

180 Ft. Boom, 80 Ft. Jib

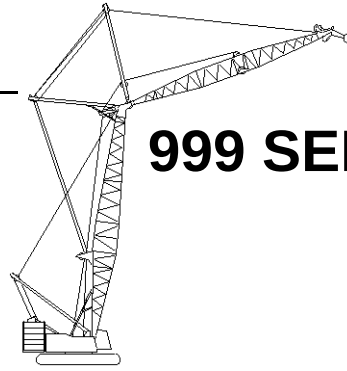
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
35	62.3	222.0	39,300* b															35	
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	44,800* b			75	
80													53.9	212.2	32,100*			80	
85													43.8	207.3	24,700*			85	
90													30.9	200.0	19,800*			90	
95																53.7	207.2	26,200	
100																43.6	202.3	22,900	
105																30.7	194.9	19,700	



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.			Elev. Feet
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	39,400*	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																				95
100																	53.7	207.2	24,500	100
105																	43.6	202.3	21,000	100
																	30.7	194.9	17,400*	105

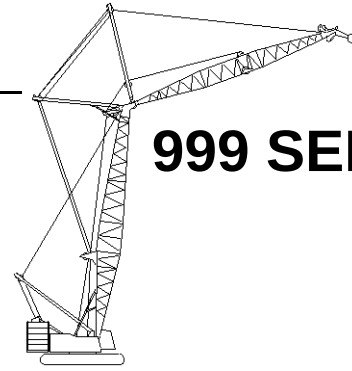
180 Ft. Boom, 100 Ft. Jib

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	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	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	41,600*				80
85										26.5	205.2	16,800*	55.2	221.0	31,800*				85
90													47.5	216.6	25,300*				90
95													38.7	210.8	20,700*				95
100													27.3	202.3	17,200*	55.1	216.0	21,200	100
105																47.4	211.6	18,300	105
110																38.5	205.7	15,500	110
115																27.1	197.2	13,000	115

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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			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		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
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	35,000*				75
80													53.9	212.2	25,600*				80
85													43.8	207.3	19,900*				85
90													30.9	200.0	16,000*				90
95																53.7	207.2	20,600	95
100																43.6	202.3	16,800	100
105																30.7	194.9	13,200	105

180 Ft. Boom, 120 Ft. Jib

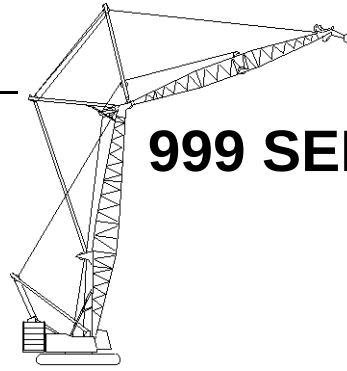
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	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	35,800*				80
85										26.5	205.2	14,800*	55.2	221.0	27,600*				85
90													47.5	216.6	22,100*				90
95													38.7	210.8	18,100*				95
100													27.3	202.3	15,100*	55.1	216.0	17,500	100
105																47.4	211.6	14,400	105
110																38.5	205.7	11,400	110
115																27.1	197.2	8,600	115



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

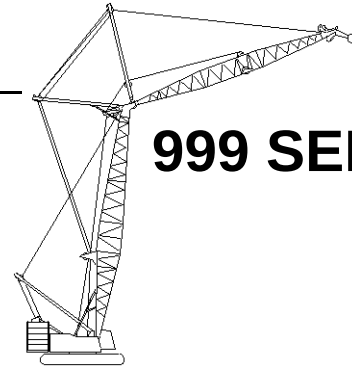
180 Ft. Boom, 130 Ft. Jib

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			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	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	33,600				85
90										34.5	217.0	16,100*	56.0	229.7	28,300*				90
95										23.9	207.2	13,800*	49.8	225.6	23,300*				95
100													43.0	220.5	19,500*				100
105													35.0	213.9	16,500*	55.9	224.7	15,000	105
110													24.6	204.4	14,100*	49.7	220.6	12,300	110
115																42.9	215.5	9,800	115
120																34.8	208.8	7,500	120
125																24.4	199.3	5,300	125

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

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	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	74.8	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	44,800*				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	29,200	90
95							23.6	212.4	14,000*	39.1	227.3	18,400*	56.6	238.4	25,300	95
100										31.7	219.8	16,000*	51.4	234.5	21,900	100
105										22.0	209.1	13,900*	45.8	229.8	18,700	105
110													39.5	224.1	15,900	110
115													32.2	216.7	13,300	115
120													22.6	206.3	10,800	120

180 Ft. Boom, 150 Ft. Jib

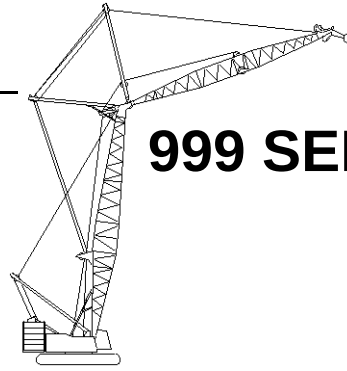
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. 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	73.0	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	43,900*				75
80	36.5	233.6	17,000*	43.7	241.0	20,300*	53.0	248.8	26,800*	61.1	253.7	36,600*				80
85	29.6	225.4	15,000*	38.0	234.9	17,800*	48.2	244.5	23,200*	56.8	250.5	31,000*				85
90	20.5	213.9	13,300*	31.4	227.3	15,600*	43.0	239.3	20,200*	52.3	246.7	26,600*				90
95				23.2	216.9	13,800*	37.3	233.0	17,700*	47.5	242.3	23,000*	61.3	250.3	25,900	95
100							30.5	225.1	15,600*	42.3	237.0	20,100*	57.1	247.1	22,500	100
105							21.9	214.3	13,800*	36.4	230.5	17,600*	52.6	243.4	19,500	105
110										29.5	222.3	15,600*	47.8	239.0	16,800	110
115										20.4	210.8	13,800*	42.6	233.7	14,300	115
120													36.7	227.4	11,900	120
125													29.9	219.3	9,800	125
130													21.0	208.0	7,700	130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

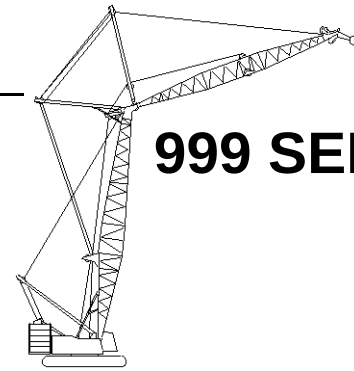
180 Ft. Boom, 160 Ft. Jib

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		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	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	56,100*							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	44,700				80
85	39.7	243.6	19,700*	45.8	250.3	23,300*	53.8	257.6	30,200*	61.0	262.3	39,500				85
90	34.2	236.6	17,600*	41.0	244.7	20,600*	49.6	253.4	26,500*	57.2	259.2	34,500*				90
95	27.7	227.8	15,700*	35.7	238.1	18,300*	45.2	248.6	23,300*	53.2	255.5	30,100*				95
100	19.3	215.5	14,100*	29.5	229.9	16,300*	40.4	243.0	20,600*	49.0	251.3	26,300*	61.2	258.9	22,300	100
105				21.7	218.8	14,600*	35.0	236.1	18,400*	44.5	246.4	23,300*	57.4	255.8	19,300	105
110							28.7	227.6	16,400*	39.6	240.6	20,600*	53.5	252.2	16,600	110
115							20.5	216.0	14,700*	34.1	233.6	18,300	49.3	248.0	14,200	115
120										27.7	224.7	15,800	44.8	243.1	12,000	120
125										19.1	212.4	13,400	39.9	237.3	9,900	125
130													34.5	230.4	8,000	130
135													28.1	221.7	6,200	135
140													19.7	209.7	4,500	140

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

180 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	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	73.0	263.5	59,000*													40
45	69.2	261.6	48,400*	74.0	263.5	59,000*										45
50	65.2	259.4	39,400*	70.2	261.7	51,700*										50
55	61.1	256.7	32,700*	66.2	259.6	41,800*										55
60	56.9	253.5	27,600*	62.2	257.0	34,600*	69.7	260.5	50,800*							60
65	52.4	249.7	23,700*	58.0	253.9	29,100*	65.7	258.2	41,200*							65
70	47.6	245.3	20,400*	53.5	250.3	24,900*	61.7	255.6	34,300*							70
75	42.3	240.0	17,800*	48.8	246.1	21,400*	57.4	252.5	28,900*	65.2	256.4	40,500*				75
80	36.5	233.6	15,600*	43.7	241.0	18,600*	53.0	248.8	24,700*	61.1	253.7	33,800*				80
85	29.6	225.4	13,700*	38.0	234.9	16,300*	48.2	244.5	21,400*	56.8	250.5	28,600*				85
90	20.5	213.9	12,200*	31.4	227.3	14,400*	43.0	239.3	18,600*	52.3	246.7	24,500*				90
95				23.2	216.9	12,700*	37.3	233.0	16,300*	47.5	242.3	21,200*	61.3	250.3	21,800	95
100							30.5	225.1	14,400*	42.3	237.0	18,500*	57.1	247.1	18,300	100
105							21.9	214.3	12,700*	36.4	230.5	16,200*	52.6	243.4	15,100	105
110										29.5	222.3	14,300*	47.8	239.0	12,300	110
115										20.4	210.8	12,500	42.6	233.7	9,700	115
120													36.7	227.4	7,300	120
125													29.9	219.3	5,000	125

180 Ft. Boom, 180 Ft. Jib

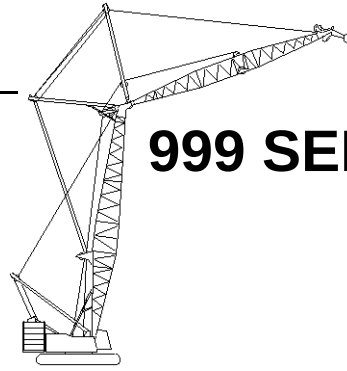
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	Jib		Intermediate Fall	
	Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
40	75.0	274.0	59,000*													40
45	71.6	272.3	59,000*													45
50	68.2	270.4	50,100*	72.5	272.4	59,000*										50
55	64.6	268.0	41,800*	69.0	270.5	53,000*										55
60	61.0	265.3	35,500*	65.5	268.3	44,100*										60
65	57.2	262.2	30,400*	61.9	265.6	37,300*	68.6	269.2	52,200*							65
70	53.3	258.5	26,400*	58.2	262.6	32,000*	65.1	266.9	43,700*							70
75	49.1	254.3	23,100*	54.3	259.1	27,700*	61.5	264.3	37,100*							75
80	44.6	249.4	20,300*	50.2	255.0	24,200*	57.7	261.2	31,900*	64.6	265.1	40,500				80
85	39.7	243.6	17,900*	45.8	250.3	21,200*	53.8	257.6	27,600*	61.0	262.3	35,100				85
90	34.2	236.6	15,900*	41.0	244.7	18,700*	49.6	253.4	24,200*	57.2	259.2	30,400				90
95	27.7	227.8	14,200*	35.7	238.1	16,600*	45.2	248.6	21,200*	53.2	255.5	26,300				95
100	19.3	215.5	12,700*	29.5	229.9	14,800*	40.4	243.0	18,800*	49.0	251.3	22,600	61.2	258.9	18,300	100
105				21.7	218.8	13,200*	35.0	236.1	16,700*	44.5	246.4	19,200	57.4	255.8	15,200	105
110							28.7	227.6	14,900*	39.6	240.6	16,200	53.5	252.2	12,400	110
115							20.5	216.0	13,300*	34.1	233.6	13,400	49.3	248.0	9,900	115
120										27.7	224.7	10,900	44.8	243.1	7,600	120
125										19.1	212.4	8,400	39.9	237.3	5,500	125



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

180 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	
40	73.0	263.5	56,900*													40
45	69.2	261.6	44,800*	74.0	263.5	59,000*										45
50	65.2	259.4	36,400*	70.2	261.7	47,900*										50
55	61.1	256.7	30,200*	66.2	259.6	38,700*										55
60	56.9	253.5	25,500*	62.2	257.0	32,000*	69.7	260.5	47,100*							60
65	52.4	249.7	21,800*	58.0	253.9	26,900*	65.7	258.2	38,200*							65
70	47.6	245.3	18,800*	53.5	250.3	22,900*	61.7	255.6	31,700*							70
75	42.3	240.0	16,300*	48.8	246.1	19,700*	57.4	252.5	26,700*	65.2	256.4	37,500*				75
80	36.5	233.6	14,300*	43.7	241.0	17,100*	53.0	248.8	22,800*	61.1	253.7	31,300*				80
85	29.6	225.4	12,600*	38.0	234.9	15,000*	48.2	244.5	19,700*	56.8	250.5	26,500*				85
90	20.5	213.9	11,100*	31.4	227.3	13,200*	43.0	239.3	17,100*	52.3	246.7	22,700*				90
95				23.2	216.9	11,600*	37.3	233.0	15,000*	47.5	242.3	19,600*	61.3	250.3	18,000	95
100							30.5	225.1	13,200*	42.3	237.0	17,100*	57.1	247.1	14,400	100
105							21.9	214.3	11,600*	36.4	230.5	13,800	52.6	243.4	11,100	105
110										29.5	222.3	10,500	47.8	239.0	8,100	110
115										20.4	210.8	7,500	42.6	233.7	5,400	115

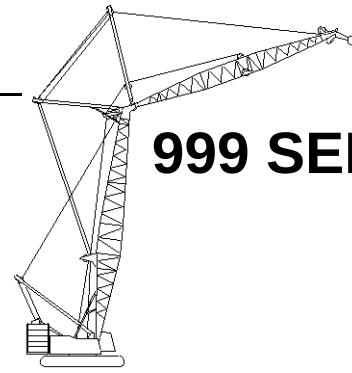
180 Ft. Boom, 200 Ft. Jib

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	75.0	274.0	59,000*										40
45	71.6	272.3	56,300*										45
50	68.2	270.4	46,100*	72.5	272.4	59,000*							50
55	64.6	268.0	38,400*	69.0	270.5	48,800*							55
60	61.0	265.3	32,500*	65.5	268.3	40,600*							60
65	57.2	262.2	27,900*	61.9	265.6	34,300*	68.6	269.2	48,100*				65
70	53.3	258.5	24,200*	58.2	262.6	29,400*	65.1	266.9	40,200*				70
75	49.1	254.3	21,100*	54.3	259.1	25,400*	61.5	264.3	34,100*				75
80	44.6	249.4	18,500*	50.2	255.0	22,100*	57.7	261.2	29,300*	64.6	265.1	36,500	80
85	39.7	243.6	16,300*	45.8	250.3	19,400*	53.8	257.6	25,400*	61.0	262.3	31,000	85
90	34.2	236.6	14,500*	41.0	244.7	17,100*	49.6	253.4	22,200*	57.2	259.2	26,200	90
95	27.7	227.8	12,900*	35.7	238.1	15,200*	45.2	248.6	19,500*	53.2	255.5	22,000	95
100	19.3	215.5	11,600*	29.5	229.9	13,500*	40.4	243.0	17,200*	49.0	251.3	18,200	100
105				21.7	218.8	12,000*	35.0	236.1	15,200*	44.5	246.4	14,800	105
110							28.7	227.6	13,400	39.6	240.6	11,700	110
115							20.5	216.0	10,300	34.1	233.6	8,800	115
120										27.7	224.7	6,200	120

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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The Scope of ANSI B30.5



999 SERIES 3

180 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	
45	73.5	282.9	57,400*										45
50	70.5	281.1	52,500*										50
55	67.4	279.1	44,800*	71.3	281.2	54,800*							55
60	64.2	276.7	38,200*	68.2	279.2	47,100*							60
65	60.9	274.0	32,900*	65.0	276.9	40,100*	70.9	280.0	54,000*				65
70	57.5	270.8	28,600*	61.7	274.3	34,500*	67.8	277.9	46,600*				70
75	54.0	267.3	25,000*	58.4	271.3	30,000*	64.6	275.6	39,800*				75
80	50.3	263.2	22,000*	54.9	267.8	26,200*	61.3	272.9	34,400*	67.3	276.1	37,000	80
85	46.3	258.6	19,500*	51.2	263.9	23,100*	58.0	269.8	30,000*	64.1	273.7	31,600	85
90	42.1	253.2	17,300*	47.4	259.4	20,400*	54.4	266.3	26,300*	60.9	271.0	26,800	90
95	37.5	246.9	15,400*	43.2	254.2	18,200*	50.8	262.3	23,200*	57.5	267.9	22,600	95
100	32.3	239.5	13,800*	38.7	248.2	16,200*	46.9	257.8	20,600*	53.9	264.3	18,900	100
105	26.2	230.1	12,400*	33.7	241.1	14,500*	42.7	252.5	17,800	50.2	260.2	15,600	105
110	18.2	217.0	11,200*	27.9	232.3	13,000*	38.1	246.4	14,600	46.3	255.6	12,500	110
115				20.5	220.5	11,700*	33.0	239.1	11,700	42.1	250.2	9,800	115
120							27.1	230.0	9,000	37.5	243.9	7,200	120
125							19.4	217.6	6,500	32.3	236.4	4,900	125

180 Ft. Boom, 220 Ft. Jib

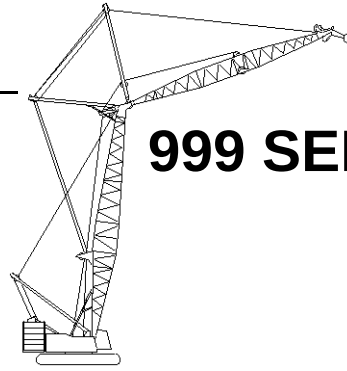
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	Ang. Deg.	Elev. Feet	Capacity Pounds	
45	75.1	293.3	53,100*										45
50	72.3	291.8	50,200*										50
55	69.5	289.9	43,800*	73.0	291.8	53,000*							55
60	66.7	287.8	38,200*	70.3	290.0	45,600*							60
65	63.8	285.4	33,600*	67.4	288.0	39,700*							65
70	60.8	282.6	29,800*	64.5	285.6	34,800*	69.9	288.7	45,000*				70
75	57.7	279.5	25,900*	61.6	283.0	30,800*	67.1	286.7	39,200*				75
80	54.6	276.0	22,600*	58.5	279.9	27,200*	64.2	284.3	34,500*				80
85	51.2	272.1	19,800*	55.4	276.6	23,800*	61.2	281.6	30,500*	66.7	284.8	31,600	85
90	47.7	267.6	17,500*	52.1	272.7	20,900*	58.1	278.5	27,100*	63.8	282.4	27,000	90
95	44.0	262.6	15,400*	48.6	268.4	18,400*	55.0	275.1	23,900*	60.8	279.7	22,800	95
100	40.0	256.8	13,600*	45.0	263.5	16,200*	51.7	271.2	21,000*	57.7	276.6	19,200	100
105	35.7	250.1	12,000*	41.1	258.0	14,300*	48.2	266.8	18,400	54.5	273.1	15,900	105
110	30.7	242.2	10,600*	36.8	251.5	12,700*	44.5	261.9	15,200	51.2	269.1	12,900	110
115	24.9	232.2	9,400*	32.1	243.9	11,200*	40.6	256.2	12,400	47.7	264.7	10,200	115
120	17.3	218.5	8,400*	26.5	234.6	9,900*	36.2	249.6	9,800	44.0	259.6	7,700	120
125				19.5	222.2	8,800*	31.4	241.8	7,400	40.0	253.8	5,400	125
130							25.7	232.2	5,100				130



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

180 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	
50	73.9	302.3	46,800*										50
55	71.3	300.6	43,200*	74.5	302.2	51,500*							55
60	68.8	298.7	39,500*	72.0	300.6	48,700*							60
65	66.2	296.5	35,800*	69.4	298.8	43,300*							65
70	63.5	294.0	32,200*	66.8	296.7	38,400*							70
75	60.8	291.3	28,700*	64.2	294.3	34,200*	69.1	297.5	42,800*				75
80	57.9	288.2	25,500*	61.5	291.6	30,700*	66.5	295.4	38,000*				80
85	55.0	284.8	22,500*	58.7	288.6	27,600*	63.8	293.0	33,900*				85
90	52.0	280.9	19,800*	55.8	285.3	24,700*	61.1	290.2	30,400*	66.1	293.5	27,400	90
95	48.9	276.6	17,400*	52.8	281.5	21,900*	58.3	287.2	26,400	63.5	291.1	23,300	95
100	45.5	271.8	15,200*	49.7	277.4	19,500*	55.4	283.8	22,500	60.7	288.3	19,700	100
105	42.0	266.4	13,400*	46.4	272.7	17,400*	52.4	280.0	19,100	57.9	285.2	16,400	105
110	38.2	260.3	11,400*	42.9	267.5	15,500*	49.3	275.8	16,000	55.0	281.8	13,500	110
115	34.0	253.2	10,400*	39.2	261.5	13,900*	46.0	271.1	13,200	52.0	277.9	10,800	115
120	29.4	244.7	9,300*	35.1	254.7	12,400*	42.5	265.7	10,700	48.8	273.7	8,400	120
125	23.8	234.3	8,400*	30.6	246.6	10,400	38.7	259.7	8,300	45.5	268.8	6,100	125
130	16.5	219.9	6,700*	25.3	236.8	8,100	34.6	252.7	6,100	42.0	263.4	4,100	130
135				18.6	223.7	5,900	30.0	244.5	4,100				135

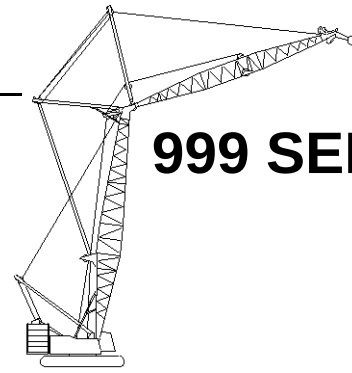
180 Ft. Boom, 240 Ft. Jib

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	75.1	312.7	43,200*										50
55	72.8	311.2	40,400*										55
60	70.5	309.4	37,300*	73.4	311.2	45,000*							60
65	68.1	307.4	34,200*	71.1	309.5	41,200*							65
70	65.7	305.2	31,100*	68.7	307.6	36,500*							70
75	63.2	302.7	28,000*	66.3	305.4	32,400*	70.8	308.2	40,600*				75
80	60.7	299.9	25,100*	63.9	303.0	29,000*	68.4	306.3	36,100*				80
85	58.1	296.9	22,400*	61.3	300.3	25,900*	66.0	304.1	32,100*				85
90	55.4	293.5	19,900*	58.8	297.3	23,300*	63.5	301.6	28,700*				90
95	52.7	289.7	17,500*	56.1	294.0	21,000*	61.0	298.9	25,700*	65.7	302.2	23,200	95
100	49.8	285.6	15,400*	53.4	290.3	18,900*	58.4	295.9	22,700	63.2	299.7	19,600	100
105	46.8	281.0	13,600*	50.5	286.3	17,100*	55.8	292.5	19,300	60.7	297.0	16,400	105
110	43.6	275.8	11,900*	47.6	281.8	15,400*	53.0	288.8	16,200	58.1	293.9	13,500	110
115	40.3	270.1	10,400*	44.4	276.8	13,900*	50.2	284.7	13,400	55.4	290.5	10,900	115
120	36.6	263.6	9,200*	41.1	271.2	12,300*	47.2	280.2	10,900	52.6	286.7	8,500	120
125	32.6	256.1	7,700*	37.6	264.9	10,800*	44.0	275.1	8,600	49.8	282.6	6,200	125
130	28.1	247.2	7,200*	33.7	257.7	8,600	40.7	269.4	6,400	46.8	278.0	4,200	130
135	22.8	236.3	5,300*	29.3	249.2	6,500	37.1	263.0	4,500				135
140				24.3	238.9	4,600							140

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

190 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		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		
40	54.1	228.8	36,000*b	47.5	225.3	30,900*	47.3	224.1	31,400*	56.5	226.7	41,700*b	49.2	219.7	34,700*	50.7	215.2	23,800	40
45	44.1	224.0	28,300*																45
50	31.3	216.7	22,900*																50
55																			55
60																			60
65							35.6	217.8	25,100*	56.9	222.3	31,700*							65
70																			70
75																			75
85																			85
90																			90
95													22.2	204.1	22,200*	25.3	200.9	18,200	95
100																			100
105																			105
110																			110

190 Ft. Boom, 80 Ft. Jib

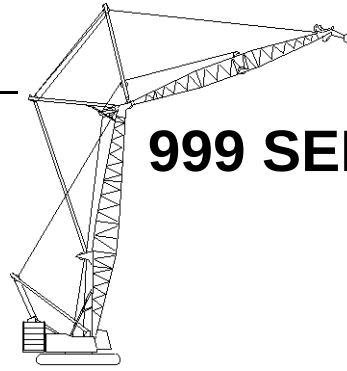
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
40	54.1	228.8	30,000*																40
45	44.1	224.0	23,400*	57.1	229.6	33,500*													45
50	31.3	216.7	18,900*	47.5	225.3	25,600*													50
55				35.9	219.0	20,400*	56.9	228.5	34,100*										55
60				18.0	207.7	16,700*	47.3	224.1	26,100*										60
65							35.6	217.8	20,800*	56.5	226.7	34,600*							65
70							17.4	206.3	16,900*	46.9	222.3	26,300*							70
75										35.1	215.9	20,800*							75
80													58.6	223.8	38,800*b				80
85													49.2	219.7	28,700*				85
90													38.1	213.9	22,500*				90
95													22.2	204.1	18,200*				95
100																50.7	215.2	21,600	100
105																40.0	209.7	18,600	105
110																25.3	200.9	15,700	110



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

190 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	
35	62.9	232.2	36,000*b	57.1 47.5 35.9	229.6 225.3 219.0	29,500* 22,500* 17,800*		228.5	30,000*		229.9	43,400*b		223.8	34,000*		219.1 215.2 209.7 200.9	23,200 19,800 16,700 13,700	35
40	54.1	228.8	26,400*																40
45	44.1	224.0	20,500*																45
50	31.3	216.7	16,400*																50
55																			55
60				18.0	207.7	14,400*	47.3	224.1	22,800*	65.1	229.9	43,400*b							60
65							35.6	217.8	18,100*	56.5	226.7	30,400*							65
70							17.4	206.3	14,600*	46.9	222.3	23,000*							70
75										35.1	215.9	18,100*							75
80													58.6	223.8	34,000*				80
85													49.2	219.7	25,100*				85
90													38.1	213.9	19,600*				90
95													22.2	204.1	15,700*	59.9	219.1	23,200	95
100																50.7	215.2	19,800	100
105																40.0	209.7	16,700	105
110																25.3	200.9	13,700	110

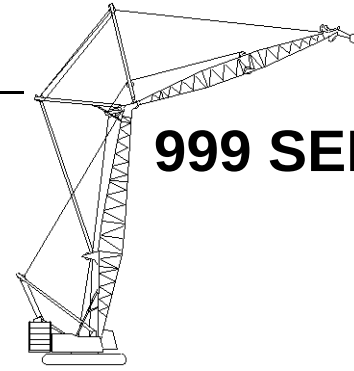
190 Ft. Boom, 100 Ft. Jib

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		Elev. Feet	Capacity Pounds
35	68.8	243.4	52,800* b	64.4	241.4	43,200*	64.3	240.2	44,200*												
40	62.3	240.9	38,600*																		
45	55.4	237.6	29,900*																		
50	47.7	233.2	24,100*																		
55	38.9	227.5	19,800*																		
60	27.6	219.1	16,500*	41.9	229.1	21,300*	57.5	237.2	33,400*	64.1	238.6	44,900*									
65				31.7	221.8	17,700*	50.1	233.2	26,400*												
70				15.7	208.9	14,900*	41.7	227.9	21,500*										57.3	235.5	33,800*
75							31.4	220.5	17,900*										49.8	231.4	26,700*
80							15.2	207.4	15,100*										41.4	226.1	21,700*
85										31.0	218.6	18,000*	58.9	232.5	35,700						
90													51.6	228.7	28,900*						
95													43.5	223.7	23,300*						
100													33.6	216.8	19,200*						
105													19.5	205.6	16,100*						
110																52.7	224.1	17,000	105		
110																44.8	219.3	14,400	110		
115																35.3	212.8	11,900	115		
120																22.2	202.7	9,500	120		

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

190 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	62.9	232.2	33,200*															35	
40	54.1	228.8	24,600*	65.6	232.7	37,700*b												40	
45	44.1	224.0	19,200*	57.1	229.6	27,200*												45	
50	31.3	216.7	15,400*	47.5	225.3	20,900*	65.4	231.6	38,300*									50	
55				35.9	219.0	16,700*	56.9	228.5	27,500*									55	
60				18.0	207.7	13,600*	47.3	224.1	21,100*	65.1	229.9	38,600*						60	
65							35.6	217.8	16,800*	56.5	226.7	27,600*						65	
70							17.4	206.3	13,700*	46.9	222.3	21,200*						70	
75										35.1	215.9	16,900*						75	
80													58.6	223.8	30,300*			80	
85													49.2	219.7	22,900*			85	
90													38.1	213.9	18,000*			90	
95													22.2	204.1	14,600*			95	
100																50.7	215.2	100	
105																40.0	209.7	105	
110																25.3	200.9	110	

190 Ft. Boom, 120 Ft. Jib

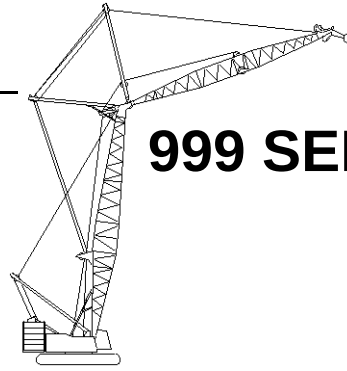
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
35	68.8	243.4	46,400*																35
40	62.3	240.9	34,200*	70.8	243.7	53,100*b													40
45	55.4	237.6	26,600*	64.4	241.4	38,000*													45
50	47.7	233.2	21,300*	57.7	238.3	29,000*	70.7	242.6	54,000*										50
55	38.9	227.5	17,500*	50.3	234.3	23,100*	64.3	240.2	38,400*										55
60	27.6	219.1	14,600*	41.9	229.1	18,800*	57.5	237.2	29,300*										60
65				31.7	221.8	15,600*	50.1	233.2	23,300*	64.1	238.6	38,700*							65
70				15.7	208.9	13,200*	41.7	227.9	19,000*	57.3	235.5	29,500*							70
75							31.4	220.5	15,700*	49.8	231.4	23,400*							75
80							15.2	207.4	13,300*	41.4	226.1	19,100*							80
85										31.0	218.6	15,800*	58.9	232.5	31,900				85
90													51.6	228.7	25,000*				90
95													43.5	223.7	20,300*				95
100													33.6	216.8	16,700*				100
105													19.5	205.6	14,000*				105
110																52.7	224.1	13,300	110
115																35.3	212.8	7,800	115
120																22.2	202.7	5,200	120



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

190 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	72.5	254.2	59,000*													35
40	67.3	252.1	43,500*													40
45	61.9	249.5	33,800*	69.0	252.4	48,400*										45
50	56.2	246.3	27,200*	63.7	250.0	37,000*										50
55	50.0	242.3	22,400*	58.1	247.0	29,400*	68.9	251.3	48,900*							55
60	43.1	237.2	18,800*	52.1	243.2	24,000*	63.6	248.9	37,400*							60
65	35.2	230.6	15,900*	45.5	238.5	20,000*	57.9	245.9	29,700*							65
70	24.9	221.2	13,600*	37.9	232.5	16,900*	51.9	242.1	24,300*	63.4	247.2	37,500*				70
75				28.7	224.3	14,400*	45.3	237.3	20,200*	57.7	244.1	29,900*				75
80				14.1	210.0	12,400*	37.7	231.3	17,100*	51.7	240.3	24,400*				80
85							28.4	223.0	14,500*	45.1	235.6	20,300*				85
90							13.6	208.4	12,600*	37.4	229.4	17,200*	59.1	241.1	28,100	90
95										28.0	221.0	14,600*	53.1	237.5	24,100	95
100													46.6	233.0	20,600	100
105													39.3	227.2	17,400	105
110													30.4	219.5	14,400	110
115													17.5	207.0	11,500	115

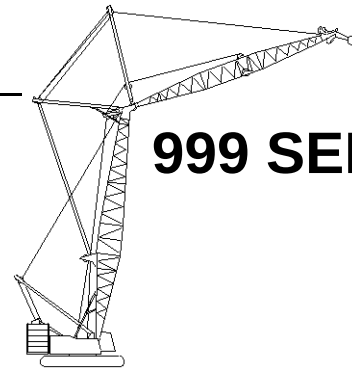
190 Ft. Boom, 140 Ft. Jib

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	75.1	264.7	59,000*													35
40	70.8	263.0	57,000*													40
45	66.3	260.8	44,400*	72.2	263.2	59,000*										45
50	61.6	258.2	35,700*	67.7	261.2	48,400*										50
55	56.7	255.0	29,500*	63.2	258.7	38,600*										55
60	51.6	251.2	24,700*	58.4	255.7	31,600*	67.6	260.0	48,900*							60
65	45.9	246.5	21,000*	53.3	252.1	26,400*	63.1	257.6	39,000*							65
70	39.7	240.7	18,100*	47.8	247.7	22,400*	58.2	254.5	32,000*	67.5	258.4	49,100*				70
75	32.3	233.4	15,600*	41.8	242.3	19,200*	53.2	250.9	26,700*	62.9	255.9	39,200*				75
80	22.9	223.1	13,600*	34.9	235.6	16,500*	47.7	246.5	22,600*	58.1	252.8	32,200*				80
85				26.3	226.5	14,400*	41.6	241.1	19,400*	53.0	249.2	26,900*				85
90				12.9	211.0	12,600*	34.7	234.3	16,700*	47.5	244.7	22,800*				90
95							26.1	225.2	14,500*	41.4	239.3	19,500*	59.2	249.8	24,200	95
100							12.4	209.4	12,800*	34.4	232.5	16,900*	54.2	246.3	20,800	100
105										25.8	223.2	14,600*	48.8	242.0	17,800	105
110													42.9	236.9	15,000	110
115													36.1	230.4	12,400	115
120													28.0	221.9	10,000	120
125													16.1	208.3	7,700	125

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

190 Ft. Boom, 150 Ft. Jib

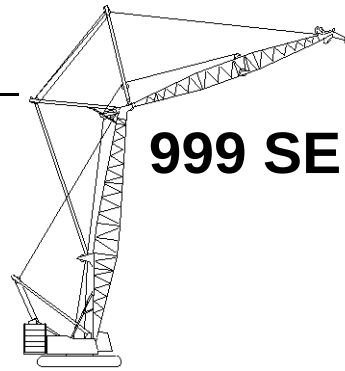
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib Ang. Deg.	Intermediate Fall		Jib 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	73.3	273.6	59,000*													40
45	69.4	271.8	53,600*													45
50	65.5	269.5	43,400*	70.7	272.0	58,300*										50
55	61.4	266.9	36,000*	66.8	269.9	46,800*										55
60	57.2	263.7	30,400*	62.8	267.3	38,600*	70.6	270.9	58,600*							60
65	52.7	260.0	26,000*	58.6	264.4	32,400*	66.7	268.7	47,300*							65
70	47.9	255.6	22,500*	54.2	260.8	27,600*	62.7	266.2	39,000*							70
75	42.7	250.4	19,600*	49.5	256.7	23,800*	58.5	263.2	32,800*	66.6	267.1	47,400*				75
80	36.9	244.0	17,200*	44.4	251.8	20,700*	54.1	259.7	27,900*	62.5	264.5	39,200*				80
85	30.1	236.0	15,100*	38.9	245.8	18,100*	49.4	255.5	24,100*	58.3	261.5	33,000*				85
90	21.3	224.9	13,400*	32.4	238.4	15,900*	44.3	250.6	20,900*	53.9	258.0	28,200*				90
95				24.5	228.6	14,100*	38.7	244.6	18,300*	49.2	253.8	24,300*				95
100				11.9	211.9	12,600*	32.3	237.2	16,100*	44.1	248.8	21,100*	59.3	258.5	21,400	100
105							24.3	227.3	14,300*	38.5	242.8	18,500*	54.9	255.0	18,500	105
110							11.5	210.2	12,700*	32.0	235.3	16,300*	50.3	251.0	15,800	110
115										24.0	225.3	14,400*	45.3	246.2	13,300	115
120													39.9	240.5	11,100	120
125													33.6	233.4	9,000	125
130													26.0	224.1	7,000	130
135													14.9	209.5	5,000	135



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

190 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	75.2	284.1	59,000*													40
45	71.8	282.4	58,900*													45
50	68.4	280.5	53,700*	72.9	282.6	59,000*										50
55	64.9	278.2	45,400*	69.5	280.7	57,900*										55
60	61.3	275.5	39,000*	66.0	278.6	48,600*										60
65	57.5	272.4	33,700*	62.5	276.0	41,500*	69.5	279.6	59,000*							65
70	53.6	268.8	29,200*	58.7	273.0	35,800*	66.0	277.4	49,400*							70
75	49.4	264.6	25,500*	54.9	269.6	31,000*	62.4	274.9	42,100*							75
80	44.9	259.7	22,500*	50.8	265.6	27,000*	58.6	271.9	36,300*	65.8	275.8	43,800				80
85	40.1	254.0	19,900*	46.4	261.0	23,700*	54.8	268.4	31,400*	62.2	273.2	38,600				85
90	34.6	247.1	17,700*	41.7	255.5	21,000*	50.7	264.4	27,400*	58.5	270.2	34,100				90
95	28.2	238.5	15,800*	36.5	249.1	18,600*	46.3	259.8	24,100*	54.6	266.7	30,100				95
100	20.0	226.6	14,200*	30.4	241.1	16,600*	41.6	254.3	21,300*	50.5	262.7	26,500				100
105				23.0	230.6	14,800*	36.3	247.9	18,900*	46.1	258.0	23,300	59.4	267.1	18,200	105
110				11.2	212.8	13,400*	30.3	239.8	16,800*	41.4	252.5	20,400	55.5	263.8	15,600	110
115							22.8	229.2	15,100*	36.1	246.0	17,700	51.5	259.9	13,200	115
120							10.7	211.1	13,600*	30.1	237.9	15,300	47.2	255.4	11,000	120
125										22.5	227.2	13,000	42.5	250.1	9,000	125
130													37.4	243.8	7,200	130
135													31.5	236.2	5,500	135

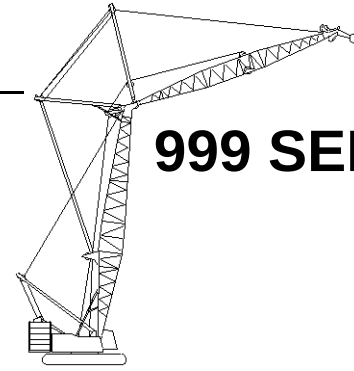
190 Ft. Boom, 170 Ft. Jib

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	73.3	273.6	59,000*													40
45	69.4	271.8	49,500*													45
50	65.5	269.5	40,100*	70.7	272.0	53,800*										50
55	61.4	266.9	33,200*	66.8	269.9	43,200*										55
60	57.2	263.7	28,000*	62.8	267.3	35,600*	70.6	270.9	54,100*							60
65	52.7	260.0	23,900*	58.6	264.4	29,900*	66.7	268.7	43,600*							65
70	47.9	255.6	20,700*	54.2	260.8	25,500*	62.7	266.2	36,000*							70
75	42.7	250.4	18,000*	49.5	256.7	21,900*	58.5	263.2	30,300*	66.6	267.1	43,700*				75
80	36.9	244.0	15,700*	44.4	251.8	19,000*	54.1	259.7	25,800*	62.5	264.5	36,200*				80
85	30.1	236.0	13,900*	38.9	245.8	16,600*	49.4	255.5	22,200*	58.3	261.5	30,400*				85
90	21.3	224.9	12,300*	32.4	238.4	14,600*	44.3	250.6	19,300*	53.9	258.0	26,000*				90
95				24.5	228.6	12,900*	38.7	244.6	16,900*	49.2	253.8	22,400*				95
100				11.9	211.9	11,500*	32.3	237.2	14,800*	44.1	248.8	19,500*	59.3	258.5	17,300	100
105							24.3	227.3	13,100*	38.5	242.8	17,000*	54.9	255.0	14,200	105
110							11.5	210.2	11,700*	32.0	235.3	15,000	50.3	251.0	11,400	110
115										24.0	225.3	12,100	45.3	246.2	8,800	115
120													39.9	240.5	6,500	120
125													33.6	233.4	4,300	125

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

190 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	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	75.2	284.1	59,000*													40
45	71.8	282.4	56,900*													45
50	68.4	280.5	50,900*	72.9	282.6	59,000*										50
55	64.9	278.2	42,400*	69.5	280.7	54,700*										55
60	61.3	275.5	35,900*	66.0	278.6	45,400*										60
65	57.5	272.4	30,800*	62.5	276.0	38,300*	69.5	279.6	54,900*							65
70	53.6	268.8	26,700*	58.7	273.0	32,700*	66.0	277.4	45,800*							70
75	49.4	264.6	23,200*	54.9	269.6	28,300*	62.4	274.9	38,700*							75
80	44.9	259.7	20,400*	50.8	265.6	24,600*	58.6	271.9	33,200*	65.8	275.8	39,600				80
85	40.1	254.0	18,000*	46.4	261.0	21,600*	54.8	268.4	28,700*	62.2	273.2	34,300				85
90	34.6	247.1	16,000*	41.7	255.5	19,100*	50.7	264.4	25,000*	58.5	270.2	29,700				90
95	28.2	238.5	14,300*	36.5	249.1	16,900*	46.3	259.8	22,000*	54.6	266.7	25,600				95
100	20.0	226.6	12,800*	30.4	241.1	15,000*	41.6	254.3	19,400*	50.5	262.7	21,900				100
105				23.0	230.6	13,400*	36.3	247.9	17,200*	46.1	258.0	18,600	59.4	267.1	14,200	105
110				11.2	212.8	12,100*	30.3	239.8	15,300*	41.4	252.5	15,600	55.5	263.8	11,500	110
115							22.8	229.2	13,700*	36.1	246.0	12,900	51.5	259.9	9,000	115
120							10.7	211.1	12,000	30.1	237.9	10,400	47.2	255.4	6,700	120
125										22.5	227.2	8,000	42.5	250.1	4,700	125

190 Ft. Boom, 190 Ft. Jib

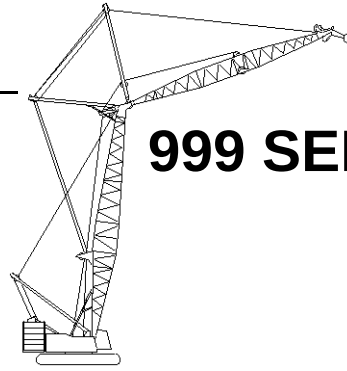
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		
		Ang. Deg.	Elev. Feet		Capacity Pounds	Ang. Deg.		Elev. Feet	Capacity Pounds		Ang. Deg.	Elev. Feet	
40	73.3	273.6	58,200*										40
45	69.4	271.8	45,700*										45
50	65.5	269.5	37,100*	70.7	272.0	49,800*							50
55	61.4	266.9	30,700*	66.8	269.9	40,000*							55
60	57.2	263.7	25,900*	62.8	267.3	32,900*	70.6	270.9	50,100*				60
65	52.7	260.0	22,100*	58.6	264.4	27,600*	66.7	268.7	40,400*				65
70	47.9	255.6	19,000*	54.2	260.8	23,500*	62.7	266.2	33,300*				70
75	42.7	250.4	16,500*	49.5	256.7	20,200*	58.5	263.2	28,000*	66.6	267.1	40,500*	75
80	36.9	244.0	14,400*	44.4	251.8	17,500*	54.1	259.7	23,800*	62.5	264.5	33,500*	80
85	30.1	236.0	12,700*	38.9	245.8	15,300*	49.4	255.5	20,500*	58.3	261.5	28,200*	85
90	21.3	224.9	11,200*	32.4	238.4	13,400*	44.3	250.6	17,800*	53.9	258.0	24,000*	90
95				24.5	228.6	11,800*	38.7	244.6	15,500*	49.2	253.8	20,700	95
100				11.9	211.9	10,600*	32.3	237.2	13,600*	44.1	248.8	16,800	100
105							24.3	227.3	12,000*	38.5	242.8	13,300	105
110							11.5	210.2	10,700*	32.0	235.3	10,200	110
115										24.0	225.3	7,200	115



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

200 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	54.7	239.1	37,000* b	48.9	236.0	32,300*	49.7	235.2	33,800*										
45	44.8	234.4	28,900*																
50	32.4	227.4	23,400*																
55																			
60																			
65							38.8	229.5	26,700*	50.4	233.9	35,300*							
70																			
75																			
80																			
85																			
90													44.2	226.8	31,500*				
95																			
100																			
105																			
110																			
115																			

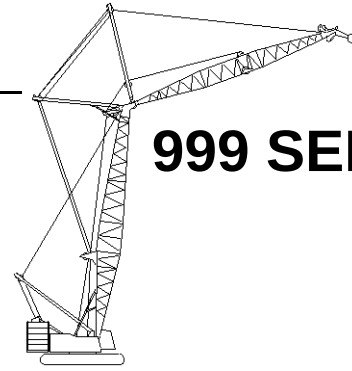
200 Ft. Boom, 80 Ft. Jib

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		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		
40	54.7	239.1	30,900*															40	
45	44.8	234.4	24,000*	58.3	240.1	35,400*												45	
50	32.4	227.4	19,200*	48.9	236.0	26,800*												50	
55				37.7	230.1	21,200*	59.0	239.2	37,500* b									55	
60				21.5	220.1	17,200*	49.7	235.2	28,100*									60	
65							38.8	229.5	22,100*	59.6	237.8	39,700* b						65	
70							23.3	220.1	17,900*	50.4	233.9	29,300*						70	
75										39.6	228.3	22,800*						75	
80										24.7	219.3	18,400*	63.0	235.1	41,200 b			80	
85													54.2	231.6	34,200*			85	
90													44.2	226.8	25,900*			90	
95													31.5	219.6	20,600*			95	
100																57.1	227.4	20,300	
105																47.5	223.1	17,500	
110																36.0	216.9	14,800	
115																18.1	205.6	12,000	

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

200 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	
40	54.7	239.1	27,200*																40
45	44.8	234.4	21,000*	58.3	240.1	31,200*													45
50	32.4	227.4	16,700*	48.9	236.0	23,500*													50
55				37.7	230.1	18,500*	59.0	239.2	33,000*										55
60				21.5	220.1	14,900*	49.7	235.2	24,600*	67.9	240.6	52,700*b							60
65							38.8	229.5	19,200*	59.6	237.8	34,900*							65
70							23.3	220.1	15,500*	50.4	233.9	25,600*							70
75										39.6	228.3	19,900*							75
80										24.7	219.3	15,900*	63.0	235.1	39,500b				80
85													54.2	231.6	30,000*				85
90													44.2	226.8	22,600*				90
95													31.5	219.6	17,900*				95
100																57.1	227.4	18,700	100
105																47.5	223.1	15,700	105
110																36.0	216.9	12,900	110
115																18.1	205.6	9,900	115

200 Ft. Boom, 100 Ft. Jib

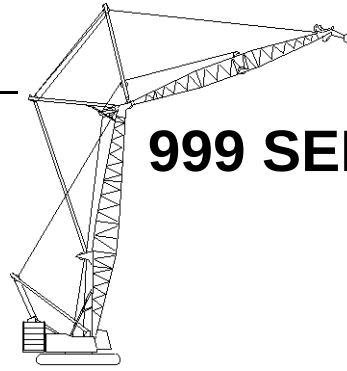
Int. Fall Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Int. Fall Oper. Rad. Feet
	Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		Jib	Intermediate Fall		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	
40	62.8	251.1	39,800*																40
45	55.9	247.8	30,700*	65.3	251.7	45,800*													45
50	48.3	243.6	24,600*	58.6	248.8	34,400*													50
55	39.6	237.9	20,100*	51.4	244.9	27,100*	65.9	250.8	48,900*										55
60	28.5	229.8	16,800*	43.2	239.9	22,000*	59.2	247.9	36,200*										60
65				33.3	233.0	18,200*	52.0	244.2	28,300*	66.3	249.3	51,800*							65
70				18.9	221.5	15,300*	43.9	239.3	22,800*	59.7	246.5	37,900*							70
75							34.2	232.5	18,900*	52.5	242.8	29,400*							75
80							20.5	221.7	15,800*	44.5	238.0	23,600*							80
85										35.0	231.4	19,400*	62.4	243.7	34,600				85
90										21.7	221.1	16,200*	55.4	240.4	30,300				90
95													47.8	236.1	26,500				95
100													39.0	230.3	21,500*				100
105													27.8	222.0	17,800*				105
110																57.7	236.1	15,700	110
115																50.3	232.2	13,200	115
120																42.0	226.9	10,900	120
125																31.7	219.6	8,700	125
																15.8	206.8	6,300	125



Liftcrane Luffing Jib Intermediate Fall Capacities

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

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



999 SERIES 3

200 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	63.5	242.4	34,200* b																35
40	54.7	239.1	25,200*	66.7	243.0	40,300* b													40
45	44.8	234.4	19,600*	58.3	240.1	28,600*													45
50	32.4	227.4	15,800*	48.9	236.0	21,800*	67.3	242.1	42,900* b										50
55				37.7	230.1	17,300*	59.0	239.2	30,000*										55
60				21.5	220.1	14,100*	49.7	235.2	22,600*	67.9	240.6	45,500*							60
65							38.8	229.5	17,800*	59.6	237.8	31,200*							65
70							23.3	220.1	14,500*	50.4	233.9	23,400*							70
75										39.6	228.3	18,400*							75
80										24.7	219.3	14,900*	63.0	235.1	35,800				80
85													54.2	231.6	26,700*				85
90													44.2	226.8	20,600*				90
95													31.5	219.6	16,400*				95
100																57.1	227.4	15,100	100
105																47.5	223.1	11,800	105
110																36.0	216.9	8,700	110
115																18.1	205.6	5,400	115

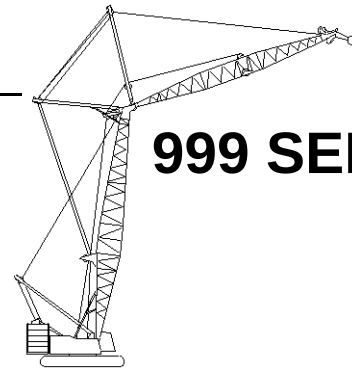
200 Ft. Boom, 120 Ft. Jib

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	
35	69.2	253.6	48,000*b	71.7	253.9	56,900*b										35			
40	62.8	251.1	35,100*		251.7	40,000*										250.8	42,000*	35	
45	55.9	247.8	27,100*		248.8	30,300*												45	
50	48.3	243.6	21,700*		244.9	23,900*												50	
55	39.6	237.9	17,800*															55	
60	28.5	229.8	14,900*	43.2	239.9	19,400*	59.2	247.9	31,500*	66.3	249.3	43,900*				60			
65				33.3	233.0	16,100*	52.0	244.2	24,800*							59.7	246.5	32,600*	65
70				18.9	221.5	13,500*	43.9	239.3	20,000*							52.5	242.8	25,500*	70
75							34.2	232.5	16,600*							44.5	238.0	20,600*	75
80							20.5	221.7	13,900*										80
85										35.0	231.4	17,000*	62.4	243.7	31,000	85			
90										21.7	221.1	14,200*	55.4	240.4	26,400	90			
95													47.8	236.1	22,400	95			
100													39.0	230.3	18,700	100			
105													27.8	222.0	15,200	105			

Liftcrane Luffing Jib Intermediate Fall Capacities

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

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999 SERIES 3

200 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		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet		Ang. Deg.	Elev. Feet			Ang. Deg.	Elev. Feet			
35	72.9	264.3	59,000*	69.7	262.7	51,000*	70.2	261.7	53,500*												
40	67.7	262.3	44,700*																		
45	62.3	259.7	34,600*																		
50	56.6	256.5	27,700*																		
55	50.4	252.6	22,800*																		
60	43.7	247.6	19,000*	52.9	253.8	24,800*	64.9	259.5	40,200*												
65	35.8	241.1	16,100*	46.4	249.2	20,600*	59.3	256.6	31,600*												
70	25.8	232.0	13,800*	39.1	243.4	17,400*	53.4	253.0	25,600*							65.3	258.0	41,600*			
75				30.1	235.6	14,800*	47.0	248.5	21,200*							59.7	255.1	32,600*			
80				17.0	222.9	12,700*	39.7	242.8	17,900*							53.9	251.6	26,400*			
85							30.9	235.2	15,200*	47.4	247.2	21,800*	62.0	252.4	27,000	85					
90							18.4	223.2	13,000*	40.2	241.6	18,300*									
95										31.6	234.2	15,600*					56.2	249.1	23,200	95	
100										19.6	222.7	13,300*					50.1	245.1	19,700		100
105																	43.2	240.0	16,600		
110													35.3	233.5	13,700	110					
115													25.1	224.1	11,000	115					