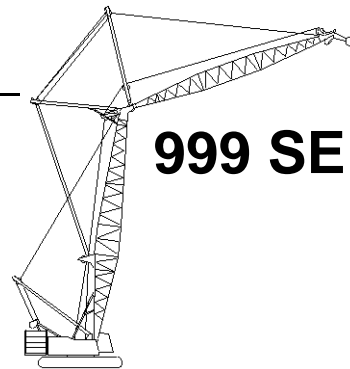




Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

LIFTING CAPACITIES: Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib 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 3,900 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).

Upper luffing jib point capacity for liftcrane service with single part whip line is 29,500 Lbs. or 59,000 Lbs. with two part line (20,000 Lbs. with one part line or 40,000 Lbs. with 2 part line when auxiliary drum is used). In all cases, upper luffing jib point capacities cannot exceed those listed for main luffing jib capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom, intermediate fall and luffing jib point sheaves, is considered part of luffing jib load. 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.

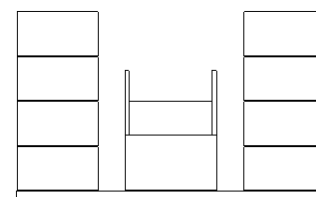
LUFFING JIB POINT ELEVATION: Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

MACHINE EQUIPMENT: Machine equipped with 28 Ft. 2 in. crawlers, 48 in. treads, 10 Ft. 3 in. retractable gantry, 30 Ft. live mast, 20 part boom hoist reeving, boom support straps, 9 part luffing jib hoist reeving, luffing jib straps, two 1-1/2 in. luffing jib backstay pendants, 184,600 Lb. crane counterweight and two 22,000 Lb. carbody counterweights.

Consult chart **No. 8346-A** for intermediate fall capacities. Consult chart **No. 8362-A** for lifting off lower boom point with luffing jib attached. Consult chart **No. 8352-A** for fixed jib on luffing jib capacities. Chart **No. 8362-A** cannot be used when fixed jib No. 134 is attached to luffing jib No. 149.

Intermediate Fall Deduct
Deduct 1,500 Lbs. From Capacities When Luffing Jib Is Equipped With Intermediate Fall.

Deduct From Luffing Jib Capacities When Fixed Jib Is Attached	
Fixed Jib Length	Fixed Jib No.134
30 Ft.	4,100 Lbs.
40 Ft.	4,900 Lbs.
50 Ft.	5,800 Lbs.
60 Ft.	6,700 Lbs.
70 Ft.	7,400 Lbs.
80 Ft.	8,400 Lbs.



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

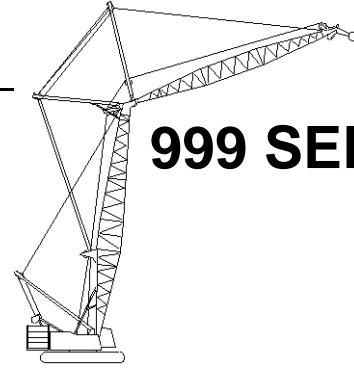


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



80 Ft. Boom, 70 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
36	69.3	153.0	160,000*b																			36
38	67.5	152.2	150,800*b																			38
40	65.7	151.3	145,100*b	68.2	152.3	152,500*b																40
45	61.1	148.7	132,500*b	63.7	150.0	138,800*b	67.5	151.4	143,100b													45
50	56.3	145.5	121,300*	59.0	147.1	126,900	62.9	149.0	124,400b	66.7	150.3	121,800b										50
55	51.1	141.7	111,700*	54.0	143.7	112,000	58.2	146.1	109,800	62.1	147.8	107,500b										55
60	45.5	137.1	101,300*	48.7	139.5	100,100	53.1	142.5	98,100	57.3	144.8	96,000										60
65	39.3	131.4	91,000*	42.9	134.5	90,300	47.8	138.2	88,500	52.2	141.1	86,600	59.0	144.2	83,600							65
70	32.1	124.2	82,500*	36.3	128.2	82,100	41.8	133.0	80,400	46.8	136.7	78,800	54.1	140.8	76,000							70
75	23.0	114.1	72,700*	28.4	120.0	75,100	35.1	126.5	73,600	40.7	131.2	72,100	48.8	136.6	69,600	55.7	139.7	67,100				75
80	3.3	90.7	49,900*	17.4	107.5	66,500*	26.9	117.8	67,700	33.8	124.4	66,400	42.9	131.6	64,100	50.5	135.7	61,700				80
85							14.8	103.9	62,600	25.2	115.2	61,400	36.4	125.3	59,200	44.9	131.0	57,100	52.0	134.0	55,000	85
90										11.3	99.0	56,900	28.5	117.1	55,000	38.6	125.2	53,000	46.5	129.6	51,100	90
95													17.6	104.8	51,200	31.2	117.8	49,400	40.4	124.1	47,600	95
100																21.7	107.2	46,100	33.4	117.2	44,500	100
105																			24.7	107.7	41,700	105
110																			10.0	90.6	39,000	110

80 Ft. Boom, 80 Ft. Jib

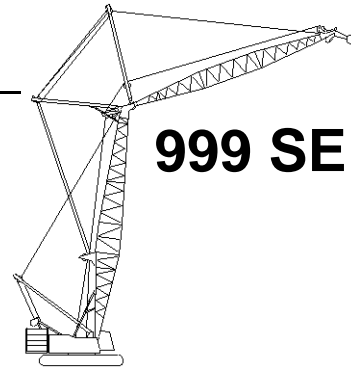
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
36	72.0	163.7	152,300*b																			36
38	70.5	163.0	146,500*b																			38
40	68.9	162.2	141,100*b	71.1	163.1	148,200*b																40
45	65.0	160.0	129,100*b	67.2	161.1	135,200*b	70.4	162.2	142,700b													45
50	61.0	157.3	118,700*	63.2	158.7	124,100*	66.6	160.2	124,000b													50
55	56.7	154.2	109,300*	59.1	155.8	111,700	62.6	157.7	109,400	65.9	159.0	107,000b										55
60	52.3	150.5	101,000*	54.8	152.4	99,800	58.4	154.7	97,700	61.8	156.5	95,600										60
65	47.5	146.2	90,700*	50.2	148.5	90,000	54.0	151.3	88,100	57.7	153.4	86,200										65
70	42.4	141.0	82,100*	45.3	143.8	81,900	49.4	147.2	80,100	53.3	149.9	78,400	59.2	152.9	75,500							70
75	36.6	134.7	74,900*	39.9	138.2	74,900	44.4	142.4	73,400	48.6	145.7	71,800	54.8	149.5	69,100							75
80	30.0	126.8	68,700*	33.8	131.3	69,000	39.0	136.6	67,500	43.5	140.7	66,100	50.3	145.5	63,600	56.2	148.4	61,200				80
85	21.4	116.0	61,300*	26.5	122.3	63,800	32.7	129.4	62,500	37.9	134.7	61,100	45.4	140.9	58,900	51.8	144.6	56,600				85
90	3.0	90.9	42,900*	16.2	108.9	56,500*	25.1	120.0	58,000	31.5	127.2	56,800	40.0	135.3	54,700	47.0	140.2	52,600	53.0	142.8	50,500	90
95							13.7	105.0	54,000	23.5	117.2	52,900	33.9	128.4	51,000	41.8	134.9	49,000	48.3	138.6	47,100	95
100										10.5	99.9	49,300	26.6	119.5	47,600	35.9	128.5	45,800	43.3	133.6	44,000	100
105													16.4	106.2	44,600	29.1	120.3	42,900	37.6	127.5	41,300	105
110																20.2	109.0	40,300	31.1	120.0	38,800	110
115																			23.0	109.8	36,500	115
120																			9.3	91.4	34,300	120



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

80 Ft. Boom, 90 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
36	74.1	174.2	147,100*b																			36
38	72.7	173.6	142,100*b																			38
40	71.4	172.9	137,200*b	73.2	173.6	143,700*b																40
45	68.0	171.0	125,900*b	69.9	171.9	131,800*b																45
50	64.5	168.7	116,100*	66.4	169.8	121,200*	69.3	171.0	123,700b													50
55	60.9	166.0	107,300*	62.9	167.3	111,500	65.8	168.9	109,100													55
60	57.1	162.9	99,500*	59.2	164.5	99,600	62.3	166.3	97,400	65.2	167.7	95,300										60
65	53.2	159.3	90,500*	55.4	161.1	89,800	58.6	163.4	87,900	61.6	165.1	85,900										65
70	49.1	155.2	81,900*	51.4	157.3	81,700	54.7	160.0	79,900	57.9	162.1	78,100	62.9	164.4	75,200							70
75	44.6	150.3	74,700*	47.1	152.9	74,800	50.7	156.1	73,200	54.0	158.6	71,500	59.3	161.5	68,800							75
80	39.8	144.7	68,500*	42.6	147.7	68,900	46.4	151.6	67,400	50.0	154.6	65,800	55.4	158.2	63,300							80
85	34.4	137.9	63,100*	37.5	141.6	63,700	41.7	146.2	62,300	45.6	149.9	60,900	51.4	154.4	58,600	56.7	157.0	56,300				85
90	28.2	129.4	58,500*	31.8	134.1	59,200	36.6	139.9	57,900	40.9	144.5	56,600	47.2	150.0	54,400	52.7	153.4	52,300				90
95	20.1	117.8	52,500*	24.9	124.5	55,200	30.7	132.2	54,000	35.6	137.9	52,800	42.6	144.8	50,700	48.6	149.2	48,700				95
100	2.7	91.0	37,300*	15.2	110.2	48,700*	23.6	122.1	50,400	29.6	129.9	49,300	37.6	138.7	47,400	44.1	144.3	45,600	49.7	147.6	43,700	100
105							12.9	106.1	47,200	22.1	119.2	46,200	31.9	131.3	44,500	39.2	138.5	42,700	45.4	142.8	41,000	105
110										9.9	100.7	43,400	25.0	121.7	41,800	33.8	131.5	40,200	40.6	137.3	38,500	110
115													15.4	107.5	39,300	27.4	122.8	37,800	35.4	130.7	36,300	115
120																19.0	110.6	35,600	29.3	122.6	34,200	120
125																			21.6	111.6	32,300	125
130																			8.7	92.1	30,500	130

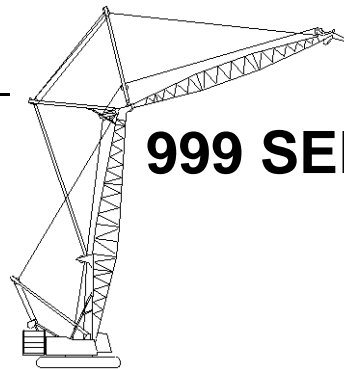


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



80 Ft. Boom, 100 Ft. Jib

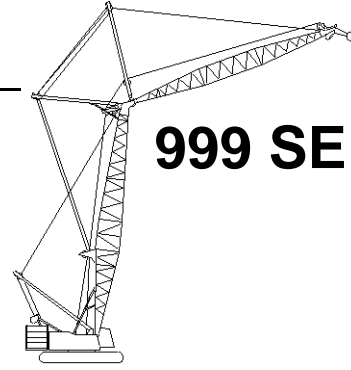
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
36	75.7	184.6	142,000*b																			36
38	74.5	184.0	137,300*b																			38
40	73.3	183.4	132,900*b																			40
45	70.3	181.7	122,400*b	72.0	182.5	128,000*b																45
50	67.2	179.7	113,200*	68.9	180.6	118,100*																50
55	64.0	177.4	105,000*	65.8	178.5	109,400*	68.4	179.8	108,700													55
60	60.8	174.7	97,500*	62.6	176.0	99,200	65.3	177.6	97,000	67.9	178.7	94,800										60
65	57.4	171.6	90,500*	59.3	173.1	89,500	62.0	175.0	87,500	64.7	176.4	85,500										65
70	53.9	168.1	81,800*	55.9	169.9	81,300	58.7	172.1	79,500	61.5	173.8	77,700										70
75	50.2	164.1	74,500*	52.3	166.1	74,400	55.3	168.7	72,800	58.1	170.8	71,100	62.6	173.1	68,300							75
80	46.4	159.5	68,200*	48.5	161.9	68,500	51.7	164.9	67,000	54.7	167.4	65,400	59.3	170.2	62,800							80
85	42.2	154.2	62,800*	44.5	157.0	63,400	47.9	160.6	61,900	51.0	163.5	60,500	55.9	166.9	58,100							85
90	37.7	148.1	58,100*	40.2	151.4	58,900	43.8	155.6	57,500	47.2	159.0	56,200	52.3	163.2	54,000	57.0	165.7	51,800				90
95	32.6	140.8	54,000*	35.5	144.8	54,900	39.5	149.9	53,600	43.1	153.9	52,400	48.6	159.0	50,300	53.5	162.2	48,200				95
100	26.6	131.7	50,300*	30.1	136.8	51,300	34.6	143.0	50,200	38.7	148.0	49,000	44.6	154.1	47,000	49.8	158.1	45,100				100
105	19.0	119.4	45,300*	23.6	126.6	48,100	29.1	134.8	47,000	33.7	141.0	45,900	40.3	148.5	44,100	45.9	153.5	42,200	50.8	156.4	40,500	105
110	2.5	91.2	32,500*	14.4	111.4	42,300*	22.3	124.0	44,200	28.0	132.4	43,200	35.5	141.9	41,400	41.7	148.1	39,700	47.0	152.0	38,000	110
115							12.2	107.1	41,600	20.9	121.0	40,600	30.1	134.0	39,000	37.1	141.9	37,400	42.9	146.8	35,800	115
120										9.3	101.4	38,300	23.6	123.8	36,800	32.0	134.4	35,300	38.4	140.8	33,700	120
125													14.5	108.7	34,700	25.9	125.1	33,300	33.4	133.7	31,900	125
130																18.0	112.2	31,500	27.7	125.0	30,200	130
135																			20.4	113.4	28,500	135
140																			8.2	92.8	27,000	140



Liftcrane Luffing Jib Capacities

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Jib Backstay Pendants On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating**

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999 SERIES 2

80 Ft. Boom, 110 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	75.9	194.4	132,600*b																			38
40	74.9	193.9	128,600*b																			40
45	72.1	192.3	119,100*	73.7	193.0	124,300*b																45
50	69.4	190.5	110,300*	70.9	191.3	115,100*																50
55	66.5	188.4	102,600*	68.1	189.4	106,900*	70.5	190.5	108,600													55
60	63.7	186.0	95,600*	65.3	187.2	99,100	67.7	188.5	96,900													60
65	60.7	183.3	89,200*	62.4	184.6	89,400	64.8	186.3	87,400	67.2	187.4	85,400										65
70	57.6	180.3	81,800*	59.4	181.8	81,300	61.9	183.7	79,400	64.3	185.1	77,600										70
75	54.5	176.8	74,400*	56.3	178.6	74,400	58.8	180.7	72,700	61.3	182.4	71,000										75
80	51.2	172.9	68,200*	53.0	174.9	68,500	55.7	177.5	66,900	58.3	179.5	65,300	62.4	181.7	62,700							80
85	47.7	168.5	62,800*	49.7	170.8	63,300	52.5	173.7	61,900	55.2	176.1	60,400	59.4	178.9	58,000							85
90	44.0	163.6	58,100*	46.1	166.2	58,800	49.1	169.6	57,500	51.9	172.3	56,100	56.3	175.6	53,800							90
95	40.1	157.9	53,900*	42.3	160.9	54,900	45.5	164.8	53,600	48.5	168.0	52,300	53.1	172.0	50,200	57.3	174.4	48,100				95
100	35.8	151.3	50,300*	38.3	154.9	51,300	41.7	159.5	50,100	44.9	163.2	48,900	49.7	167.9	46,900	54.1	170.9	45,000				100
105	31.0	143.6	47,000*	33.8	147.8	48,200	37.5	153.3	47,000	41.0	157.7	45,900	46.2	163.3	44,000	50.8	167.0	42,100				105
110	25.4	134.0	44,000*	28.6	139.4	45,300	32.9	146.0	44,200	36.8	151.4	43,100	42.4	158.0	41,400	47.3	162.5	39,600	51.7	165.3	37,900	110
115	18.1	121.0	39,800*	22.4	128.6	42,700	27.7	137.2	41,700	32.1	143.9	40,700	38.3	152.0	39,000	43.6	157.5	37,300	48.3	161.0	35,700	115
120	2.4	91.3	28,700*	13.7	112.6	37,200*	21.2	125.9	39,300	26.7	134.7	38,400	33.8	145.0	36,800	39.6	151.7	35,200	44.7	156.1	33,600	120
125							11.6	108.1	37,100	19.9	122.7	36,300	28.7	136.5	34,800	35.3	145.1	33,300	40.8	150.6	31,800	125
130										8.8	102.2	34,300	22.5	125.7	32,900	30.4	137.1	31,500	36.5	144.2	30,100	130
135													13.8	109.9	31,200	24.6	127.2	29,900	31.8	136.6	28,500	135
140																17.1	113.6	28,300	26.3	127.4	27,100	140
145																			19.5	115.1	25,700	145
150																			7.8	93.4	24,300	150

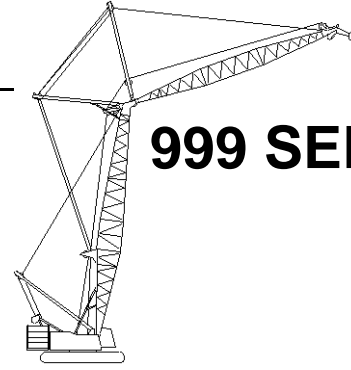


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



80 Ft. Boom, 120 Ft. Jib

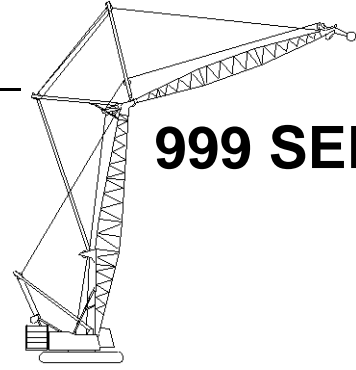
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.7	202.8	115,000*																			45
50	71.2	201.2	107,000*	72.6	201.9	111,600*																50
55	68.6	199.3	99,800*	70.0	200.2	103,800*																55
60	66.0	197.1	93,300*	67.5	198.1	97,000*	69.6	199.3	96,500													60
65	63.4	194.7	87,200*	64.8	195.9	89,000	67.0	197.3	86,900													65
70	60.6	192.0	81,300*	62.2	193.3	80,900	64.4	194.9	79,000	66.6	196.1	77,100										70
75	57.8	188.9	74,000*	59.4	190.4	74,000	61.7	192.3	72,300	63.9	193.8	70,500										75
80	55.0	185.5	67,800*	56.6	187.2	68,100	58.9	189.4	66,500	61.2	191.1	64,900										80
85	52.0	181.7	62,400*	53.6	183.7	63,000	56.1	186.2	61,500	58.4	188.1	60,000	62.2	190.4	57,500							85
90	48.8	177.5	57,600*	50.6	179.7	58,500	53.1	182.5	57,100	55.6	184.8	55,700	59.4	187.5	53,300							90
95	45.5	172.8	53,500*	47.4	175.3	54,500	50.1	178.5	53,200	52.6	181.1	51,900	56.6	184.3	49,700							95
100	42.1	167.5	49,800*	44.0	170.3	51,000	46.8	173.9	49,700	49.5	177.0	48,500	53.7	180.8	46,400	57.5	183.1	44,400				100
105	38.3	161.4	46,500*	40.4	164.6	47,800	43.4	168.9	46,700	46.3	172.4	45,500	50.6	176.8	43,500	54.6	179.7	41,600				105
110	34.2	154.4	43,500*	36.5	158.2	45,000	39.8	163.1	43,900	42.8	167.2	42,800	47.4	172.4	40,900	51.6	175.8	39,100				110
115	29.6	146.2	40,900*	32.3	150.7	42,300*	35.9	156.5	41,300	39.1	161.3	40,300	44.1	167.4	38,500	48.5	171.5	36,800	52.5	174.1	35,100	115
120	24.2	136.1	38,500*	27.4	141.8	39,700*	31.5	148.8	39,000	35.1	154.5	38,000	40.5	161.8	36,400	45.2	166.7	34,700	49.4	169.9	33,100	120
125	17.3	122.5	34,700*	21.4	130.4	37,400*	26.4	139.6	36,900	30.7	146.6	36,000	36.6	155.3	34,400	41.7	161.3	32,800	46.1	165.3	31,300	125
130	2.2	91.4	25,100*	13.1	113.7	32,600*	20.3	127.6	34,900	25.5	137.0	34,000	32.3	147.9	32,500	37.9	155.2	31,100	42.6	160.0	29,600	130
135							11.1	109.0	32,700*	19.0	124.4	32,300	27.4	138.9	30,900	33.7	148.1	29,400	38.9	154.1	28,000	135
140										8.4	102.9	30,600	21.5	127.6	29,300	29.1	139.7	27,900	34.9	147.3	26,600	140
145													13.2	111.0	27,800	23.5	129.3	26,500	30.4	139.3	25,300	145
150																16.3	115.1	25,200	25.2	129.6	24,000	150
155																			18.6	116.7	22,800	155
160																			7.5	94.0	21,600	160



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

80 Ft. Boom, 130 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.0	213.2	111,300*																			45
50	72.7	211.7	104,200*	74.0	212.4	108,200*																50
55	70.3	210.0	97,400*	71.6	210.8	101,200*																55
60	68.0	208.0	91,200*	69.3	208.9	94,700*																60
65	65.6	205.8	85,600*	66.9	206.9	88,700	68.9	208.1	86,600													65
70	63.1	203.4	80,300*	64.5	204.6	80,600	66.5	206.0	78,700													70
75	60.6	200.6	74,000*	62.0	202.0	73,700	64.1	203.6	71,900	66.1	204.9	70,200										75
80	58.0	197.6	67,700*	59.5	199.1	67,800	61.6	201.0	66,200	63.6	202.4	64,500										80
85	55.4	194.2	62,300*	56.8	195.9	62,700	59.0	198.1	61,100	61.1	199.8	59,600										85
90	52.6	190.5	57,500*	54.2	192.4	58,200	56.4	194.8	56,800	58.6	196.8	55,300	62.0	199.0	53,000							90
95	49.8	186.4	53,300*	51.4	188.5	54,200	53.7	191.3	52,900	55.9	193.5	51,600	59.5	196.2	49,300							95
100	46.8	181.9	49,600*	48.5	184.2	50,700	50.9	187.3	49,400	53.2	189.9	48,200	56.9	193.0	46,100							100
105	43.6	176.8	46,300*	45.4	179.5	47,600	48.0	183.0	46,400	50.4	185.9	45,200	54.2	189.5	43,200	57.7	191.8	41,200				105
110	40.3	171.2	43,300*	42.2	174.2	44,700	44.9	178.1	43,600	47.4	181.4	42,400	51.4	185.6	40,600	55.1	188.4	38,700				110
115	36.7	164.7	40,600*	38.8	168.2	42,100	41.6	172.7	41,100	44.3	176.5	40,000	48.5	181.3	38,200	52.3	184.6	36,400				115
120	32.8	157.4	38,200*	35.0	161.4	39,500*	38.2	166.6	38,800	41.0	170.9	37,700	45.4	176.6	36,000	49.4	180.5	34,400				120
125	28.4	148.7	35,900*	30.9	153.5	37,100*	34.4	159.6	36,600	37.5	164.7	35,700	42.2	171.3	34,100	46.4	175.9	32,500	50.2	178.8	30,900	125
130	23.2	138.1	33,900*	26.2	144.1	35,000*	30.2	151.5	34,700	33.7	157.6	33,800	38.8	165.3	32,200	43.3	170.7	30,700	47.3	174.3	29,200	130
135	16.6	123.9	30,600*	20.6	132.2	33,000*	25.4	141.8	32,900	29.4	149.2	32,000	35.1	158.5	30,600	39.9	165.0	29,100	44.2	169.4	27,700	135
140	2.1	91.5	22,100*	12.5	114.8	28,700*	19.4	129.3	31,200	24.4	139.1	30,400	31.0	150.7	29,000	36.3	158.5	27,600	40.9	163.8	26,300	140
145							10.6	109.9	28,900*	18.2	125.9	28,900	26.3	141.3	27,600	32.3	151.0	26,200	37.3	157.5	24,900	145
150										8.1	103.5	27,400	20.6	129.4	26,200	27.9	142.2	24,900	33.5	150.3	23,700	150
155													12.7	112.1	24,900	22.6	131.3	23,700	29.2	141.9	22,500	155
160																15.7	116.4	22,600	24.1	131.7	21,400	160
165																			17.8	118.3	20,400	165
170																			7.1	94.6	19,400	170

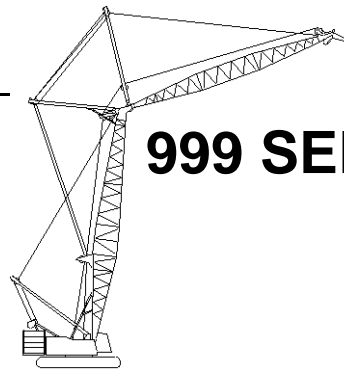


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



80 Ft. Boom, 140 Ft. Jib

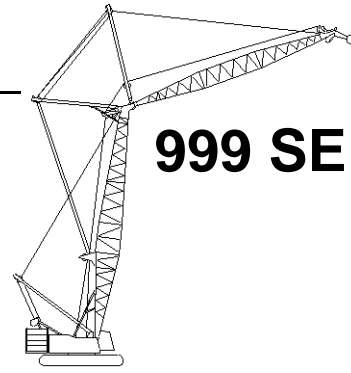
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	73.9	222.2	100,800*																			50
55	71.8	220.6	94,500*	73.0	221.3	98,200*																55
60	69.6	218.8	88,800*	70.8	219.6	92,100*																60
65	67.4	216.8	83,500*	68.6	217.7	86,600*	70.5	218.8	86,200													65
70	65.2	214.5	78,500*	66.4	215.6	80,200	68.3	216.9	78,200													70
75	62.9	212.0	73,600*	64.2	213.2	73,300	66.0	214.7	71,500	67.9	215.8	69,700										75
80	60.5	209.3	67,300*	61.9	210.6	67,400	63.8	212.3	65,700	65.7	213.6	64,100										80
85	58.2	206.3	61,800*	59.5	207.8	62,300	61.5	209.7	60,700	63.4	211.1	59,200										85
90	55.7	203.0	57,000*	57.1	204.6	57,800	59.1	206.7	56,300	61.1	208.4	54,900										90
95	53.2	199.3	52,800*	54.6	201.2	53,800	56.7	203.5	52,500	58.7	205.5	51,100	61.9	207.7	48,800							95
100	50.5	195.3	49,100*	52.0	197.4	50,300	54.2	200.0	49,000	56.2	202.2	47,700	59.5	204.8	45,600							100
105	47.8	190.9	45,800*	49.4	193.2	47,200	51.6	196.2	45,900	53.7	198.6	44,700	57.1	201.7	42,700							105
110	45.0	186.1	42,800*	46.6	188.6	44,300	48.9	191.9	43,200	51.1	194.7	42,000	54.6	198.2	40,100	57.9	200.4	38,200				110
115	42.0	180.7	40,100*	43.7	183.5	41,600*	46.1	187.3	40,700	48.4	190.4	39,500	52.0	194.4	37,700	55.4	197.1	35,900				115
120	38.8	174.7	37,700*	40.6	177.9	39,000*	43.2	182.1	38,400	45.6	185.7	37,300	49.4	190.3	35,600	52.9	193.4	33,900				120
125	35.3	167.9	35,400*	37.3	171.6	36,600*	40.0	176.4	36,300	42.6	180.4	35,300	46.6	185.7	33,600	50.2	189.4	32,000				125
130	31.6	160.2	33,400*	33.7	164.4	34,500*	36.7	169.9	34,300	39.5	174.5	33,400	43.7	180.6	31,800	47.5	184.9	30,200	51.0	187.7	28,700	130
135	27.3	151.2	31,500*	29.8	156.2	32,500*	33.1	162.6	32,600	36.1	168.0	31,600	40.6	175.0	30,100	44.6	180.0	28,600	48.3	183.3	27,200	135
140	22.4	140.1	29,800*	25.2	146.4	30,700*	29.0	154.1	30,900	32.4	160.5	30,000	37.3	168.7	28,600	41.6	174.6	27,200	45.4	178.6	25,800	140
145	16.0	125.3	26,800*	19.8	134.0	29,000*	24.4	144.0	29,400	28.3	151.8	28,500	33.8	161.6	27,200	38.4	168.5	25,800	42.5	173.3	24,400	145
150	2.0	91.6	19,200*	12.1	115.8	25,200*	18.7	131.0	27,900	23.5	141.2	27,100	29.8	153.3	25,800	34.9	161.7	24,500	39.3	167.4	23,200	150
155							10.2	110.8	25,400*	17.5	127.5	25,800	25.3	143.5	24,600	31.1	153.8	23,300	35.9	160.8	22,100	155
160										7.8	104.2	24,500	19.8	131.2	23,400	26.8	144.6	22,200	32.2	153.2	21,000	160
165													12.2	113.1	22,200	21.7	133.2	21,100	28.1	144.4	20,000	165
170																15.1	117.7	20,100	23.2	133.8	19,000	170
175																			17.2	119.8	18,100	175
180																			6.9	95.2	17,200	180



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

80 Ft. Boom, 150 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.0	232.6	90,600*																			50
55	73.1	231.1	90,000*																			55
60	71.0	229.5	86,400*	72.2	230.2	89,600*																60
65	69.0	227.6	81,400*	70.1	228.4	84,400*																65
70	66.9	225.5	76,900*	68.1	226.5	79,600*	69.8	227.6	78,100													70
75	64.8	223.2	72,500*	66.0	224.3	73,100	67.7	225.6	71,300													75
80	62.7	220.7	67,100*	63.9	221.9	67,200	65.7	223.4	65,600	67.4	224.5	63,900										80
85	60.5	218.0	61,600*	61.7	219.3	62,100	63.5	221.0	60,600	65.3	222.3	59,000										85
90	58.3	214.9	56,900*	59.5	216.4	57,600	61.4	218.3	56,200	63.2	219.8	54,700										90
95	56.0	211.7	52,700*	57.3	213.3	53,700	59.2	215.4	52,300	61.0	217.1	50,900										95
100	53.6	208.1	48,900*	55.0	209.9	50,200	56.9	212.2	48,900	58.8	214.1	47,600	61.8	216.4	45,400							100
105	51.2	204.1	45,600*	52.6	206.1	47,000	54.6	208.8	45,800	56.5	210.9	44,600	59.6	213.5	42,500							105
110	48.7	199.9	42,600*	50.1	202.1	44,200	52.2	205.0	43,000	54.2	207.4	41,800	57.3	210.4	39,900							110
115	46.1	195.2	39,900*	47.6	197.6	41,400*	49.7	200.8	40,500	51.7	203.5	39,400	55.0	207.0	37,600	58.0	209.1	35,800				115
120	43.4	190.1	37,500*	44.9	192.8	38,800*	47.1	196.3	38,200	49.3	199.3	37,200	52.6	203.2	35,400	55.7	205.8	33,700				120
125	40.5	184.4	35,300*	42.1	187.4	36,500*	44.4	191.4	36,100	46.7	194.8	35,100	50.1	199.2	33,400	53.4	202.2	31,800				125
130	37.4	178.1	33,200*	39.1	181.5	34,300*	41.6	185.9	34,200	43.9	189.7	33,200	47.6	194.7	31,600	50.9	198.2	30,100				130
135	34.1	171.0	31,300*	36.0	174.8	32,300*	38.6	179.9	32,400	41.1	184.2	31,500	44.9	189.9	30,000	48.4	193.9	28,500	51.6	196.5	27,000	135
140	30.5	162.9	29,600*	32.5	167.4	30,500*	35.4	173.1	30,800	38.1	178.0	29,900	42.1	184.5	28,400	45.8	189.2	27,000	49.1	192.3	25,600	140
145	26.4	153.5	28,000*	28.7	158.7	28,900*	31.9	165.5	29,300	34.8	171.1	28,400	39.2	178.6	27,000	43.0	184.0	25,600	46.5	187.7	24,300	145
150	21.6	142.0	26,500*	24.4	148.5	27,300*	28.0	156.6	27,900	31.3	163.3	27,000	36.0	172.0	25,700	40.1	178.2	24,400	43.8	182.6	23,100	150
155	15.4	126.6	23,700*	19.1	135.6	25,900*	23.6	146.0	26,500	27.3	154.2	25,700	32.6	164.5	24,400	37.0	171.9	23,200	40.9	177.0	21,900	155
160	1.9	91.7	17,000*	11.6	116.8	22,400*	18.1	132.5	25,300	22.7	143.2	24,500	28.8	155.9	23,300	33.7	164.7	22,000	37.9	170.8	20,800	160
165							9.8	111.6	22,600*	16.9	128.9	23,400	24.4	145.7	22,200	30.0	156.5	21,000	34.6	163.9	19,800	165
170										7.5	104.8	22,200	19.2	132.8	21,100	25.9	146.9	20,000	31.1	156.0	18,900	170
175													11.7	114.1	20,100	21.0	135.0	19,100	27.1	146.8	18,000	175
180																14.5	119.0	18,200	22.4	135.7	17,100	180
185																			16.6	121.2	16,300	185
190																			6.6	95.7	15,500	190

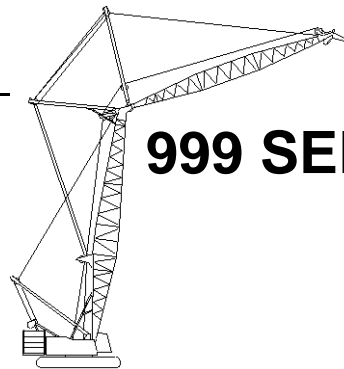


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



80 Ft. Boom, 160 Ft. Jib

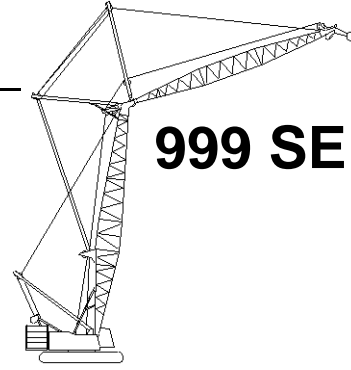
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	
50	76.0	243.0	80,400*																			50
55	74.1	241.6	79,800*																			55
60	72.3	240.0	79,300*	73.3	240.7	86,300*																60
65	70.4	238.3	78,800*	71.4	239.1	81,700*																65
70	68.5	236.4	74,600*	69.5	237.2	77,200*																70
75	66.5	234.3	70,700*	67.6	235.2	72,800	69.2	236.4	70,900													75
80	64.5	231.9	66,600*	65.6	233.0	66,900	67.3	234.4	65,100													80
85	62.5	229.4	61,200*	63.6	230.6	61,700	65.3	232.1	60,100	66.9	233.2	58,500										85
90	60.5	226.6	56,400*	61.6	228.0	57,300	63.3	229.7	55,800	65.0	231.0	54,300										90
95	58.4	223.6	52,200*	59.6	225.1	53,300	61.3	227.0	51,900	63.0	228.5	50,500										95
100	56.3	220.3	48,500*	57.4	222.0	49,800	59.2	224.1	48,500	60.9	225.8	47,100										100
105	54.1	216.8	45,100*	55.3	218.6	46,600	57.1	220.9	45,400	58.8	222.8	44,100	61.6	225.0	42,000							105
110	51.8	213.0	42,200*	53.1	214.9	43,800	54.9	217.5	42,600	56.7	219.6	41,400	59.6	222.2	39,400							110
115	49.5	208.8	39,500*	50.8	210.9	40,900*	52.7	213.8	40,100	54.5	216.1	39,000	57.5	219.1	37,100							115
120	47.1	204.3	37,000*	48.4	206.6	38,300*	50.4	209.7	37,800	52.3	212.3	36,700	55.3	215.7	34,900							120
125	44.5	199.3	34,800*	45.9	201.9	36,000*	48.0	205.3	35,700	50.0	208.2	34,700	53.1	212.0	33,000	56.0	214.5	31,300				125
130	41.9	193.9	32,700*	43.4	196.8	33,800*	45.5	200.5	33,800	47.6	203.8	32,800	50.8	208.0	31,200	53.8	210.9	29,600				130
135	39.1	188.0	30,800*	40.7	191.1	31,900*	42.9	195.3	32,000	45.1	198.9	31,100	48.4	203.7	29,500	51.5	207.0	28,000				135
140	36.1	181.4	29,100*	37.8	184.9	30,000*	40.2	189.6	30,400	42.5	193.6	29,500	46.0	199.0	28,000	49.2	202.8	26,500	52.2	205.3	25,100	140
145	33.0	174.0	27,500*	34.8	178.0	28,400*	37.3	183.3	28,900	39.7	187.8	28,000	43.4	193.9	26,600	46.8	198.3	25,100	49.9	201.2	23,800	145
150	29.5	165.6	26,000*	31.4	170.2	26,800*	34.2	176.2	27,500	36.8	181.4	26,600	40.7	188.2	25,300	44.2	193.3	23,900	47.4	196.7	22,500	150
155	25.5	155.8	24,600*	27.8	161.2	25,400*	30.9	168.2	26,200	33.7	174.2	25,400	37.9	182.0	24,000	41.6	187.8	22,700	44.9	191.8	21,400	155
160	20.9	143.8	23,300*	23.6	150.6	24,000*	27.1	159.0	24,900	30.2	166.0	24,200	34.8	175.1	22,900	38.8	181.8	21,600	42.3	186.5	20,300	160
165	14.9	127.9	20,800*	18.5	137.2	22,800*	22.8	148.0	23,800	26.4	156.5	23,000	31.5	167.3	21,800	35.8	175.1	20,600	39.6	180.6	19,400	165
170	1.8	91.9	14,700*	11.3	117.8	19,600*	17.5	134.1	22,500*	21.9	145.1	21,900	27.8	158.4	20,800	32.6	167.6	19,600	36.6	174.2	18,400	170
175							9.5	112.4	19,800*	16.4	130.4	20,900	23.6	147.7	19,800	29.0	159.1	18,700	33.5	166.9	17,500	175
180										7.2	105.4	19,900*	18.5	134.5	18,900	25.0	149.1	17,800	30.0	158.7	16,700	180
185													11.4	115.1	18,000	20.3	136.8	16,900	26.2	149.1	15,900	185
190																14.1	120.2	16,100	21.7	137.6	15,100	190
195																			16.0	122.6	14,400	195
200																			6.4	96.2	13,700	200



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

80 Ft. Boom, 170 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.1	252.0	71,500*																			55
60	73.3	250.5	70,900*																			60
65	71.6	248.9	70,300*	72.6	249.6	79,300*																65
70	69.8	247.1	69,800*	70.8	247.9	75,200*																70
75	68.0	245.1	68,900*	69.0	246.0	71,300*	70.5	247.1	70,500													75
80	66.1	243.0	65,500*	67.2	244.0	66,500	68.7	245.2	64,800													80
85	64.3	240.6	61,200*	65.3	241.7	61,400	66.9	243.1	59,800													85
90	62.4	238.1	56,400*	63.4	239.3	56,900	65.0	240.8	55,400	66.5	242.0	53,900										90
95	60.5	235.3	52,100*	61.5	236.6	53,000	63.1	238.3	51,500	64.7	239.7	50,100										95
100	58.5	232.3	48,300*	59.6	233.8	49,500	61.2	235.6	48,100	62.8	237.1	46,800										100
105	56.5	229.0	45,000*	57.6	230.6	46,300	59.3	232.7	45,000	60.9	234.4	43,800										105
110	54.4	225.5	42,000*	55.6	227.3	43,500	57.3	229.6	42,300	58.9	231.5	41,100	61.6	233.7	39,100							110
115	52.3	221.8	39,200*	53.5	223.7	40,700*	55.2	226.2	39,800	56.9	228.3	38,600	59.6	230.8	36,700							115
120	50.1	217.7	36,800*	51.4	219.8	38,100*	53.1	222.5	37,500	54.9	224.8	36,400	57.6	227.7	34,600							120
125	47.9	213.3	34,500*	49.1	215.5	35,700*	51.0	218.6	35,400	52.8	221.1	34,300	55.6	224.4	32,600							125
130	45.6	208.5	32,400*	46.9	211.0	33,600*	48.8	214.3	33,500	50.6	217.1	32,500	53.5	220.8	30,800	56.2	223.2	29,200				130
135	43.1	203.3	30,500*	44.5	206.0	31,600*	46.5	209.6	31,700	48.4	212.8	30,800	51.4	216.9	29,200	54.2	219.7	27,600				135
140	40.6	197.6	28,800*	42.0	200.6	29,700*	44.1	204.6	30,100	46.1	208.1	29,200	49.2	212.6	27,600	52.1	215.8	26,100				140
145	37.9	191.4	27,200*	39.4	194.7	28,100*	41.6	199.1	28,600	43.7	203.0	27,700	46.9	208.1	26,200	49.9	211.7	24,800	52.7	214.1	23,400	145
150	35.0	184.5	25,700*	36.6	188.2	26,500*	39.0	193.2	27,200	41.1	197.4	26,300	44.5	203.1	24,900	47.6	207.3	23,500	50.5	210.0	22,200	150
155	31.9	176.8	24,300*	33.7	181.0	25,000*	36.2	186.5	25,900	38.5	191.3	25,000	42.0	197.7	23,700	45.3	202.5	22,300	48.3	205.7	21,000	155
160	28.5	168.1	23,000*	30.5	172.9	23,700*	33.2	179.2	24,600	35.7	184.6	23,800	39.4	191.8	22,500	42.8	197.2	21,200	45.9	201.0	20,000	160
165	24.7	157.9	21,800*	26.9	163.6	22,400*	29.9	170.9	23,400*	32.6	177.1	22,700	36.7	185.3	21,400	40.3	191.5	20,200	43.5	195.8	19,000	165
170	20.2	145.6	20,600*	22.8	152.6	21,200*	26.3	161.4	22,200*	29.3	168.6	21,700	33.7	178.1	20,400	37.6	185.2	19,200	41.0	190.3	18,100	170
175	14.4	129.1	18,200*	17.9	138.8	20,100*	22.1	150.0	21,000*	25.6	158.8	20,700	30.5	170.0	19,500	34.7	178.2	18,300	38.3	184.1	17,200	175
180	1.8	92.0	12,700*	10.9	118.7	17,200*	16.9	135.5	19,900*	21.3	147.0	19,700	27.0	160.7	18,600	31.6	170.4	17,400	35.5	177.4	16,300	180
185							9.2	113.2	17,400*	15.8	131.7	18,800	22.9	149.8	17,700	28.1	161.6	16,600	32.4	169.8	15,600	185
190										7.0	106.0	17,500*	18.0	136.0	16,900	24.3	151.2	15,800	29.1	161.3	14,800	190
195													11.0	116.0	16,100	19.7	138.5	15,100	25.4	151.4	14,100	195
200																13.6	121.3	14,400	21.0	139.5	13,400	200
205																			15.5	123.9	12,800	205
210																			6.2	96.7	12,100	210

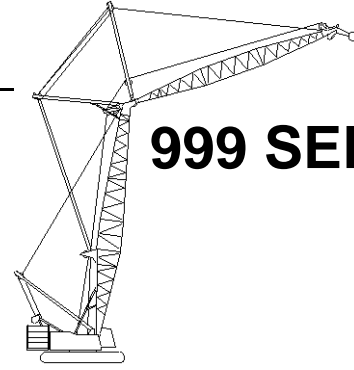


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



80 Ft. Boom, 180 Ft. Jib

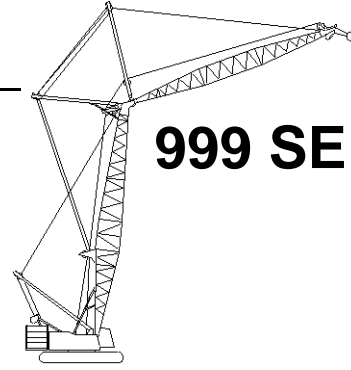
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.9	262.3	64,100*																			55
60	74.3	261.0	63,600*																			60
65	72.6	259.4	63,000*	73.6	260.1	71,700*																65
70	71.0	257.8	62,400*	71.9	258.5	71,100*																70
75	69.3	255.9	61,900*	70.2	256.7	64,700																75
80	67.5	253.9	60,600	68.5	254.8	59,000	69.9	255.9	56,700													80
85	65.8	251.7	55,600	66.8	252.7	54,200	68.2	253.9	52,000													85
90	64.0	249.3	51,200	65.0	250.4	49,900	66.5	251.8	47,900	67.9	252.8	45,900										90
95	62.2	246.7	47,400	63.2	248.0	46,100	64.7	249.5	44,200	66.2	250.7	42,300										95
100	60.4	243.9	44,000	61.4	245.3	42,800	62.9	247.0	41,000	64.4	248.3	39,200										100
105	58.6	240.9	40,900	59.6	242.4	39,800	61.1	244.3	38,100	62.6	245.8	36,400										105
110	56.7	237.7	38,100	57.7	239.3	37,100	59.3	241.4	35,400	60.8	243.1	33,800										110
115	54.7	234.3	35,600	55.8	236.0	34,600	57.4	238.3	33,100	59.0	240.1	31,500	61.5	242.4	29,000							115
120	52.8	230.5	33,400	53.9	232.4	32,400	55.5	234.9	30,900	57.1	237.0	29,400	59.6	239.5	27,000							120
125	50.7	226.5	31,300	51.9	228.6	30,300	53.5	231.3	28,900	55.2	233.5	27,500	57.8	236.4	25,200							125
130	48.6	222.2	29,400	49.8	224.4	28,500	51.5	227.4	27,100	53.2	229.9	25,800	55.8	233.1	23,600							130
135	46.4	217.6	27,600	47.7	220.0	26,700	49.4	223.2	25,500	51.2	225.9	24,200	53.9	229.5	22,100	56.5	231.9	20,000				135
140	44.2	212.6	26,000	45.5	215.2	25,200	47.3	218.7	23,900	49.1	221.7	22,700	51.9	225.7	20,600	54.5	228.4	18,600				140
145	41.8	207.1	24,500	43.2	210.0	23,700	45.1	213.8	22,500	46.9	217.1	21,300	49.8	221.5	19,300	52.5	224.6	17,400				145
150	39.4	201.2	23,100	40.8	204.4	22,300	42.8	208.6	21,200	44.7	212.2	20,000	47.7	217.1	18,100	50.5	220.6	16,300				150
155	36.8	194.7	21,800	38.2	198.2	21,000	40.3	202.8	19,900	42.4	206.9	18,800	45.5	212.3	17,000	48.4	216.3	15,200	51.1	218.9	13,500	155
160	34.0	187.6	20,500	35.6	191.4	19,800	37.8	196.6	18,800	39.9	201.0	17,700	43.2	207.1	15,900	46.2	211.6	14,200	49.0	214.6	12,500	160
165	31.0	179.6	19,400	32.7	183.9	18,700	35.1	189.7	17,700	37.3	194.7	16,600	40.8	201.5	14,900	43.9	206.5	13,300	46.8	210.0	11,600	165
170	27.7	170.6	18,300	29.6	175.5	17,600	32.2	182.1	16,600	34.6	187.7	15,600	38.3	195.3	14,000	41.6	201.0	12,400	44.6	205.1	10,800	170
175	24.0	160.1	17,300	26.1	165.9	16,600	29.0	173.5	15,700	31.7	179.9	14,700	35.6	188.6	13,100	39.1	195.1	11,600	42.2	199.7	10,000	175
180	19.6	147.3	16,300	22.2	154.5	15,700	25.5	163.6	14,700	28.4	171.1	13,800	32.7	181.1	12,300	36.5	188.5	10,800	39.8	193.9	9,300	180
185	14.0	130.3	15,300	17.4	140.3	14,700	21.4	151.9	13,900	24.8	161.0	13,000	29.6	172.7	11,500	33.7	181.3	10,000	37.2	187.5	8,600	185
190	1.7	92.1	10,700*	10.6	119.6	13,800	16.4	136.9	13,000	20.6	148.8	12,200	26.2	163.1	10,700	30.6	173.2	9,300	34.5	180.5	7,900	190
195							8.9	114.0	12,200	15.4	133.1	11,400	22.2	151.7	10,000	27.3	164.0	8,600	31.5	172.7	7,300	195
200										6.8	106.5	10,600	17.4	137.5	9,300	23.6	153.3	8,000	28.3	163.8	6,700	200
205													10.7	116.9	8,600	19.1	140.2	7,400	24.6	153.6	6,100	205
210																13.2	122.5	6,800	20.4	141.3	5,600	210
215																			15.1	125.2	5,000	215
220																			6.0	97.2	4,400	220



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

80 Ft. Boom, 190 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.1	271.3	57,200*																			60
65	73.6	269.9	56,600*																			65
70	72.0	268.3	56,100*	72.9	269.0	63,900*																70
75	70.4	266.6	55,500*	71.3	267.3	63,300*																75
80	68.8	264.7	55,000*	69.7	265.5	58,700	71.0	266.5	56,400													80
85	67.2	262.6	54,400*	68.1	263.6	53,900	69.4	264.7	51,700													85
90	65.5	260.4	50,900	66.4	261.4	49,600	67.8	262.7	47,600													90
95	63.8	258.0	47,100	64.8	259.1	45,800	66.1	260.5	43,900	67.5	261.6	42,000										95
100	62.1	255.4	43,700	63.1	256.6	42,500	64.5	258.2	40,700	65.9	259.4	38,900										100
105	60.4	252.6	40,600	61.4	253.9	39,500	62.8	255.7	37,800	64.2	257.0	36,100										105
110	58.6	249.6	37,900	59.6	251.1	36,800	61.1	253.0	35,100	62.5	254.5	33,500										110
115	56.9	246.4	35,400	57.9	248.0	34,300	59.3	250.1	32,800	60.8	251.7	31,200										115
120	55.0	243.0	33,100	56.1	244.7	32,100	57.6	246.9	30,600	59.0	248.8	29,200	61.4	251.0	26,700							120
125	53.2	239.3	31,000	54.2	241.2	30,100	55.7	243.6	28,700	57.2	245.6	27,200	59.6	248.2	24,900							125
130	51.2	235.4	29,100	52.3	237.4	28,200	53.9	240.0	26,800	55.4	242.3	25,500	57.9	245.1	23,300							130
135	49.3	231.2	27,300	50.4	233.3	26,500	52.0	236.2	25,200	53.6	238.6	23,900	56.1	241.8	21,800							135
140	47.2	226.6	25,700	48.4	229.0	24,900	50.0	232.1	23,600	51.7	234.8	22,400	54.2	238.2	20,400	56.7	240.6	18,400				140
145	45.1	221.8	24,200	46.3	224.3	23,400	48.0	227.7	22,200	49.7	230.6	21,000	52.3	234.5	19,100	54.8	237.1	17,100				145
150	42.9	216.5	22,800	44.2	219.3	22,000	46.0	223.0	20,900	47.7	226.1	19,700	50.4	230.4	17,800	52.9	233.4	16,000				150
155	40.7	210.9	21,500	41.9	213.8	20,800	43.8	217.9	19,600	45.6	221.4	18,500	48.4	226.1	16,700	51.0	229.4	14,900				155
160	38.3	204.7	20,300	39.6	208.0	19,600	41.6	212.4	18,500	43.4	216.2	17,400	46.3	221.4	15,700	49.0	225.2	13,900	51.6	227.7	12,200	160
165	35.7	198.0	19,100	37.2	201.6	18,400	39.2	206.4	17,400	41.2	210.6	16,400	44.2	216.4	14,700	47.0	220.6	13,000	49.6	223.5	11,400	165
170	33.1	190.6	18,100	34.6	194.6	17,400	36.7	199.9	16,400	38.8	204.6	15,400	42.0	211.0	13,700	44.9	215.7	12,100	47.6	219.1	10,500	170
175	30.1	182.3	17,000	31.8	186.8	16,400	34.1	192.8	15,400	36.3	198.0	14,500	39.6	205.1	12,900	42.7	210.4	11,300	45.5	214.3	9,800	175
180	26.9	173.0	16,100	28.8	178.1	15,400	31.3	184.9	14,500	33.6	190.7	13,600	37.2	198.7	12,000	40.4	204.7	10,500	43.3	209.1	9,000	180
185	23.3	162.1	15,200	25.4	168.2	14,600	28.2	176.0	13,600	30.8	182.7	12,700	34.6	191.7	11,200	38.0	198.5	9,800	41.0	203.5	8,300	185
190	19.1	149.0	14,300	21.6	156.4	13,700	24.8	165.8	12,800	27.7	173.6	11,900	31.8	183.9	10,500	35.5	191.7	9,100	38.7	197.4	7,700	190
195	13.6	131.5	13,400	16.9	141.8	12,900	20.9	153.7	12,000	24.2	163.1	11,200	28.8	175.2	9,800	32.7	184.2	8,400	36.2	190.8	7,000	195
200	1.6	92.2	9,200*	10.3	120.5	12,100	16.0	138.3	11,300	20.1	150.6	10,500	25.4	165.3	9,100	29.8	175.9	7,800	33.5	183.5	6,500	200
205							8.7	114.7	10,500	15.0	134.4	9,800	21.6	153.6	8,500	26.6	166.4	7,200	30.6	175.4	5,900	205
210										6.6	107.1	9,000	17.0	139.0	7,800	22.9	155.3	6,600	27.5	166.2	5,300	210
215													10.4	117.8	7,200	18.6	141.8	6,000	24.0	155.7	4,800	215
220																12.9	123.6	5,400	19.8	143.0	4,300	220

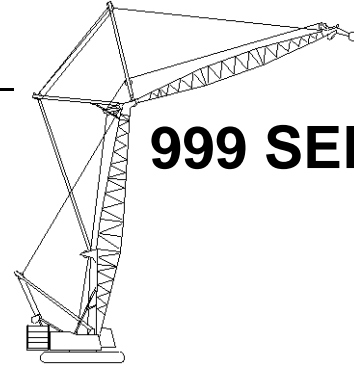


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



80 Ft. Boom, 200 Ft. Jib

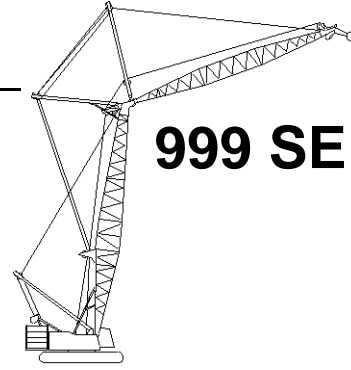
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.9	281.7	51,100*																			60
65	74.4	280.3	50,500*																			65
70	72.9	278.8	50,000*	73.8	279.5	56,900*																70
75	71.4	277.2	49,400*	72.3	277.9	56,300*																75
80	69.9	275.4	48,900*	70.7	276.2	55,700*																80
85	68.4	273.5	48,300*	69.2	274.3	53,300	70.5	275.4	51,100													85
90	66.8	271.4	47,800*	67.7	272.3	49,100	69.0	273.5	47,000													90
95	65.2	269.1	46,600	66.1	270.1	45,300	67.4	271.4	43,300													95
100	63.6	266.7	43,200	64.5	267.8	41,900	65.8	269.2	40,100	67.1	270.3	38,300										100
105	62.0	264.0	40,100	62.9	265.3	38,900	64.3	266.9	37,200	65.6	268.1	35,500										105
110	60.4	261.3	37,300	61.3	262.6	36,200	62.7	264.3	34,600	64.0	265.7	32,900										110
115	58.7	258.3	34,800	59.6	259.7	33,800	61.0	261.6	32,200	62.4	263.1	30,600										115
120	57.0	255.1	32,600	58.0	256.7	31,600	59.4	258.7	30,100	60.7	260.4	28,600	62.9	262.4	26,100							120
125	55.3	251.7	30,500	56.3	253.4	29,500	57.7	255.6	28,100	59.1	257.5	26,700	61.3	259.7	24,300							125
130	53.5	248.1	28,600	54.5	249.9	27,700	56.0	252.3	26,300	57.4	254.3	24,900	59.7	256.8	22,600							130
135	51.7	244.2	26,800	52.7	246.2	25,900	54.2	248.8	24,600	55.7	251.0	23,300	58.0	253.7	21,100							135
140	49.8	240.1	25,200	50.9	242.2	24,400	52.4	245.0	23,100	53.9	247.4	21,800	56.3	250.5	19,700							140
145	47.9	235.6	23,700	49.0	237.9	22,900	50.6	240.9	21,700	52.1	243.6	20,400	54.5	247.0	18,400	56.8	249.2	16,500				145
150	46.0	230.9	22,300	47.1	233.4	21,500	48.7	236.6	20,300	50.2	239.5	19,200	52.7	243.2	17,200	55.1	245.8	15,300				150
155	43.9	225.8	21,000	45.1	228.5	20,200	46.7	232.0	19,100	48.3	235.1	18,000	50.9	239.3	16,100	53.3	242.2	14,300				155
160	41.8	220.4	19,800	43.0	223.2	19,000	44.7	227.1	17,900	46.4	230.5	16,800	49.0	235.0	15,000	51.5	238.3	13,300				160
165	39.6	214.5	18,600	40.8	217.6	17,900	42.6	221.8	16,900	44.4	225.5	15,800	47.1	230.4	14,100	49.6	234.1	12,300	52.0	236.5	10,700	165
170	37.3	208.1	17,600	38.6	211.5	16,900	40.5	216.1	15,800	42.3	220.1	14,800	45.1	225.6	13,100	47.7	229.6	11,500	50.1	232.4	9,900	170
175	34.8	201.1	16,500	36.2	204.9	15,900	38.2	209.9	14,900	40.1	214.3	13,900	43.0	220.3	12,300	45.7	224.9	10,700	48.2	228.0	9,100	175
180	32.2	193.5	15,600	33.7	197.6	14,900	35.8	203.2	14,000	37.8	208.0	13,000	40.9	214.7	11,400	43.7	219.8	9,900	46.3	223.4	8,400	180
185	29.4	184.9	14,700	31.0	189.6	14,100	33.2	195.8	13,100	35.3	201.2	12,200	38.6	208.6	10,700	41.6	214.3	9,100	44.3	218.3	7,700	185
190	26.2	175.3	13,800	28.0	180.6	13,200	30.5	187.6	12,300	32.8	193.7	11,400	36.2	202.0	9,900	39.3	208.3	8,500	42.1	213.0	7,000	190
195	22.7	164.1	13,000	24.7	170.3	12,400	27.5	178.4	11,500	30.0	185.4	10,700	33.7	194.7	9,200	37.0	201.9	7,800	39.9	207.1	6,400	195
200	18.6	150.6	12,200	21.0	158.3	11,700	24.2	167.9	10,800	26.9	176.0	10,000	31.0	186.7	8,600	34.5	194.8	7,200	37.6	200.8	5,800	200
205	13.3	132.7	11,400	16.5	143.2	10,900	20.3	155.5	10,100	23.5	165.2	9,300	28.0	177.7	7,900	31.9	187.1	6,600	35.2	194.0	5,300	205
210	1.6	92.3	7,500*	10.0	121.3	10,200	15.6	139.7	9,400	19.6	152.3	8,600	24.8	167.5	7,300	29.0	178.4	6,000	32.6	186.4	4,700	210
215							8.5	115.4	8,700	14.6	135.6	8,000	21.0	155.5	6,700	25.9	168.7	5,500	29.8	178.1	4,200	215
220										6.4	107.6	7,300	16.5	140.4	6,100	22.3	157.3	4,900				220
225													10.1	118.7	5,600	18.1	143.4	4,400				225



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

80 Ft. Boom, 210 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
65	75.2	290.7	45,700*																			65	
70	73.8	289.3	45,100*																			70	
75	72.3	287.7	44,600*	73.1	288.4	50,800*																75	
80	70.9	286.0	44,000*	71.7	286.8	50,300*																80	
85	69.4	284.2	43,500*	70.3	285.0	49,700*																85	
90	68.0	282.2	43,000*	68.8	283.1	48,600	70.0	284.2	46,500													90	
95	66.5	280.1	42,500*	67.3	281.1	44,800	68.5	282.3	42,900													95	
100	65.0	277.8	42,000*	65.8	278.9	41,500	67.1	280.2	39,600													100	
105	63.5	275.3	39,600	64.3	276.5	38,500	65.6	278.0	36,700	66.8	279.1	35,000										105	
110	61.9	272.7	36,900	62.8	274.0	35,800	64.1	275.6	34,100	65.3	276.8	32,400										110	
115	60.4	269.9	34,400	61.2	271.3	33,300	62.5	273.0	31,700	63.8	274.4	30,100										115	
120	58.8	266.9	32,100	59.7	268.4	31,100	61.0	270.3	29,600	62.3	271.8	28,100										120	
125	57.2	263.8	30,000	58.1	265.3	29,100	59.4	267.4	27,600	60.7	269.1	26,200	62.8	271.0	23,800							125	
130	55.5	260.4	28,100	56.4	262.1	27,200	57.8	264.3	25,800	59.1	266.1	24,400	61.3	268.3	22,100							130	
135	53.8	256.8	26,400	54.8	258.6	25,500	56.2	261.0	24,100	57.5	263.0	22,800	59.7	265.5	20,600							135	
140	52.1	253.0	24,800	53.1	254.9	23,900	54.5	257.5	22,600	55.9	259.7	21,300	58.1	262.4	19,200							140	
145	50.4	248.9	23,300	51.3	251.0	22,400	52.8	253.8	21,200	54.2	256.1	20,000	56.5	259.2	17,900							145	
150	48.6	244.6	21,900	49.6	246.8	21,100	51.1	249.8	19,900	52.5	252.3	18,700	54.8	255.7	16,700	57.0	257.9	14,800				150	
155	46.7	240.0	20,600	47.7	242.4	19,800	49.3	245.6	18,600	50.7	248.3	17,500	53.1	252.0	15,600	55.3	254.5	13,700				155	
160	44.8	235.0	19,300	45.9	237.6	18,600	47.4	241.1	17,500	48.9	244.1	16,400	51.4	248.1	14,500	53.6	250.9	12,800				160	
165	42.8	229.8	18,200	43.9	232.5	17,500	45.5	236.3	16,400	47.1	239.5	15,300	49.6	243.9	13,600	51.9	247.1	11,800				165	
170	40.7	224.1	17,100	41.9	227.1	16,400	43.6	231.1	15,400	45.2	234.6	14,300	47.8	239.5	12,600	50.2	243.0	11,000	52.4	245.3	9,300	170	
175	38.6	218.0	16,100	39.8	221.2	15,400	41.5	225.6	14,400	43.2	229.4	13,400	45.9	234.7	11,800	48.4	238.6	10,100	50.6	241.3	8,600	175	
180	36.3	211.4	15,200	37.6	214.9	14,500	39.4	219.7	13,500	41.2	223.9	12,600	43.9	229.6	10,900	46.5	234.0	9,400	48.9	237.0	7,800	180	
185	33.9	204.2	14,300	35.3	208.0	13,600	37.2	213.3	12,700	39.1	217.9	11,700	41.9	224.2	10,200	44.6	229.0	8,600	47.0	232.4	7,200	185	
190	31.4	196.3	13,400	32.8	200.5	12,800	34.9	206.3	11,900	36.8	211.4	11,000	39.8	218.3	9,400	42.6	223.7	8,000	45.1	227.5	6,500	190	
195	28.6	187.5	12,600	30.2	192.3	12,000	32.4	198.7	11,100	34.5	204.3	10,200	37.6	212.0	8,700	40.5	218.0	7,300	43.1	222.3	5,900	195	
200	25.6	177.6	11,800	27.3	183.0	11,200	29.7	190.3	10,400	31.9	196.5	9,500	35.3	205.2	8,100	38.3	211.8	6,700	41.1	216.7	5,300	200	
205	22.2	166.1	11,100	24.1	172.5	10,500	26.8	180.8	9,700	29.2	188.0	8,800	32.8	197.7	7,500	36.1	205.1	6,100	38.9	210.7	4,800	205	
210	18.1	152.2	10,400	20.5	160.1	9,800	23.6	170.0	9,000	26.3	178.3	8,200	30.2	189.4	6,900	33.7	197.9	5,500	36.7	204.2	4,200	210	
215	12.9	133.8	9,700	16.0	144.6	9,200	19.8	157.2	8,400	22.9	167.2	7,600	27.3	180.2	6,300	31.1	189.9	5,000				215	
220	1.5	92.4	6,000*	9.8	122.2	8,500	15.2	141.0	7,700	19.1	154.0	7,000	24.2	169.6	5,700	28.3	181.0	4,500				220	
225							8.2	116.1	7,100	14.2	136.8	6,400	20.5	157.3	5,200	25.2	170.9	4,000				225	
230										6.3	108.1	5,800	16.1	141.8	4,700								230
235													9.9	119.5	4,100								235

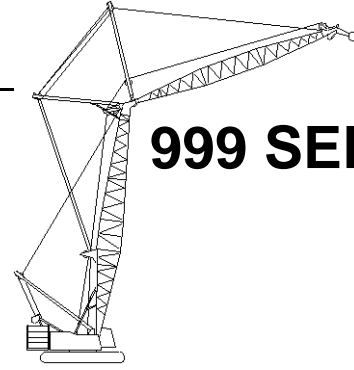


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



80 Ft. Boom, 220 Ft. Jib

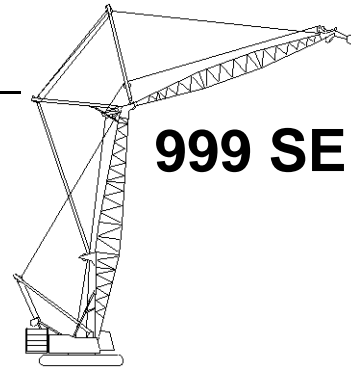
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	
65	75.9	301.1	41,400*																			65
70	74.5	299.7	40,900*																			70
75	73.2	298.2	40,300*	73.9	298.8	45,900*																75
80	71.8	296.6	39,800*	72.6	297.3	45,400*																80
85	70.4	294.9	39,300*	71.2	295.6	44,800*																85
90	69.0	293.0	38,800*	69.8	293.8	44,300*	71.0	294.8	43,100*													90
95	67.6	291.0	38,300*	68.4	291.9	43,800*	69.6	293.0	42,300													95
100	66.2	288.8	37,800*	67.0	289.8	40,900	68.2	291.0	39,000													100
105	64.8	286.5	37,300*	65.6	287.6	37,900	66.8	288.9	36,100	67.9	289.9	34,300										105
110	63.3	284.0	36,400	64.1	285.2	35,200	65.3	286.7	33,500	66.5	287.8	31,800										110
115	61.8	281.4	33,900	62.7	282.6	32,800	63.9	284.2	31,200	65.1	285.5	29,500										115
120	60.3	278.6	31,600	61.2	279.9	30,600	62.4	281.7	29,000	63.6	283.1	27,500										120
125	58.8	275.6	29,500	59.7	277.1	28,500	60.9	278.9	27,000	62.2	280.5	25,600										125
130	57.3	272.4	27,600	58.2	274.0	26,700	59.4	276.0	25,200	60.7	277.7	23,800	62.7	279.7	21,500							130
135	55.7	269.1	25,900	56.6	270.8	24,900	57.9	273.0	23,600	59.2	274.8	22,200	61.2	277.0	20,000							135
140	54.1	265.5	24,200	55.0	267.3	23,400	56.3	269.7	22,000	57.6	271.7	20,700	59.7	274.1	18,600							140
145	52.5	261.8	22,700	53.4	263.7	21,900	54.8	266.2	20,600	56.1	268.3	19,400	58.2	271.1	17,300							145
150	50.8	257.8	21,300	51.8	259.8	20,500	53.1	262.5	19,300	54.5	264.8	18,100	56.6	267.8	16,100							150
155	49.1	253.5	20,000	50.1	255.7	19,200	51.5	258.6	18,100	52.8	261.1	16,900	55.0	264.4	15,000	57.1	266.6	13,100				155
160	47.4	249.0	18,800	48.3	251.3	18,100	49.8	254.5	16,900	51.2	257.2	15,800	53.4	260.8	13,900	55.5	263.2	12,100				160
165	45.6	244.2	17,700	46.6	246.7	16,900	48.1	250.0	15,800	49.5	253.0	14,700	51.8	256.9	12,900	53.9	259.7	11,200				165
170	43.7	239.1	16,600	44.7	241.7	15,900	46.3	245.4	14,800	47.7	248.5	13,800	50.1	252.8	12,000	52.3	255.9	10,300				170
175	41.8	233.6	15,600	42.8	236.5	14,900	44.4	240.4	13,900	45.9	243.8	12,900	48.4	248.4	11,200	50.6	251.8	9,500	52.8	254.1	7,900	175
180	39.8	227.7	14,700	40.9	230.8	14,000	42.5	235.0	13,000	44.1	238.7	12,000	46.6	243.8	10,300	48.9	247.6	8,700	51.1	250.1	7,200	180
185	37.7	221.4	13,800	38.8	224.8	13,100	40.5	229.3	12,100	42.2	233.3	11,200	44.8	238.8	9,600	47.2	243.0	8,000	49.4	245.9	6,500	185
190	35.5	214.6	12,900	36.7	218.2	12,300	38.5	223.2	11,300	40.2	227.5	10,400	42.9	233.6	8,800	45.4	238.2	7,300	47.7	241.4	5,800	190
195	33.1	207.2	12,100	34.4	211.1	11,500	36.3	216.6	10,600	38.1	221.3	9,700	40.9	227.9	8,200	43.5	233.0	6,700	45.9	236.7	5,200	195
200	30.6	199.0	11,300	32.0	203.4	10,700	34.0	209.4	9,800	35.9	214.6	9,000	38.9	221.9	7,500	41.5	227.5	6,100	44.0	231.6	4,700	200
205	27.9	190.0	10,600	29.5	194.9	10,000	31.6	201.5	9,200	33.6	207.3	8,300	36.7	215.3	6,900	39.5	221.6	5,500	42.1	226.2	4,100	205
210	25.0	179.8	9,900	26.7	185.4	9,300	29.0	192.9	8,500	31.2	199.3	7,700	34.5	208.3	6,300	37.4	215.2	4,900				210
215	21.6	168.0	9,200	23.6	174.6	8,700	26.2	183.2	7,900	28.5	190.5	7,100	32.1	200.5	5,700	35.2	208.3	4,400				215
220	17.7	153.7	8,600	20.0	161.8	8,100	23.0	172.1	7,300	25.6	180.6	6,500	29.5	192.0	5,200							220
225	12.6	134.9	7,900	15.7	146.0	7,400	19.3	158.9	6,700	22.4	169.2	5,900	26.7	182.5	4,600							225
230	1.5	92.4	4,500*	9.5	123.0	6,800	14.8	142.3	6,100	18.6	155.6	5,400	23.6	171.7	4,100							230
235							8.0	116.8	5,500				13.9	138.0	4,800							235
240										6.1	108.6	4,300										240



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

80 Ft. Boom, 230 Ft. Jib

Jib 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			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
70	75.2	310.1	38,500*																70	
75	73.9	308.7	38,000*																75	
80	72.6	307.1	37,600*	73.3	307.8	43,200*													80	
85	71.3	305.5	37,100*	72.0	306.2	42,700*													85	
90	70.0	303.7	36,700*	70.7	304.5	42,200*													90	
95	68.6	301.8	36,200*	69.4	302.6	41,800*	70.5	303.6	41,100*										95	
100	67.3	299.7	35,800*	68.0	300.6	40,500	69.2	301.8	38,600										100	
105	65.9	297.5	35,400*	66.7	298.5	37,500	67.8	299.8	35,700										105	
110	64.6	295.2	35,000*	65.3	296.3	34,800	66.5	297.6	33,100	67.6	298.7	31,400							110	
115	63.2	292.7	33,400	63.9	293.9	32,400	65.1	295.4	30,700	66.2	296.5	29,100							115	
120	61.8	290.0	31,200	62.5	291.3	30,100	63.7	292.9	28,600	64.9	294.2	27,000							120	
125	60.3	287.2	29,100	61.1	288.6	28,100	62.3	290.3	26,600	63.5	291.7	25,100							125	
130	58.9	284.3	27,200	59.7	285.7	26,200	60.9	287.6	24,800	62.1	289.1	23,400							130	
135	57.4	281.1	25,400	58.2	282.7	24,500	59.5	284.7	23,200	60.6	286.4	21,800	62.6	288.4	19,500				135	
140	55.9	277.8	23,800	56.8	279.4	22,900	58.0	281.6	21,600	59.2	283.4	20,300	61.1	285.7	18,200				140	
145	54.4	274.3	22,300	55.2	276.0	21,500	56.5	278.4	20,200	57.7	280.3	18,900	59.7	282.8	16,900				145	
150	52.8	270.5	20,900	53.7	272.4	20,100	55.0	274.9	18,900	56.2	277.0	17,700	58.3	279.7	15,700				150	
155	51.3	266.6	19,600	52.1	268.6	18,800	53.4	271.3	17,700	54.7	273.6	16,500	56.8	276.5	14,600				155	
160	49.6	262.4	18,400	50.5	264.6	17,700	51.9	267.4	16,500	53.2	269.9	15,400	55.3	273.1	13,500	57.2	275.3	11,700	160	
165	48.0	258.0	17,300	48.9	260.3	16,500	50.3	263.3	15,400	51.6	266.0	14,300	53.7	269.5	12,500	55.7	271.9	10,800	165	
170	46.3	253.3	16,200	47.2	255.7	15,500	48.6	259.0	14,400	50.0	261.9	13,400	52.2	265.7	11,600	54.2	268.4	9,900	170	
175	44.5	248.3	15,200	45.5	250.9	14,500	46.9	254.4	13,500	48.3	257.5	12,500	50.6	261.6	10,800	52.7	264.6	9,100	175	
180	42.7	243.0	14,300	43.7	245.8	13,600	45.2	249.5	12,600	46.6	252.8	11,600	48.9	257.4	9,900	51.1	260.7	8,300	180	
185	40.8	237.3	13,400	41.9	240.3	12,700	43.4	244.4	11,700	44.9	247.9	10,800	47.2	252.8	9,200	49.4	256.5	7,600	185	
190	38.8	231.3	12,500	39.9	234.5	11,900	41.5	238.8	11,000	43.1	242.7	10,000	45.5	248.0	8,500	47.8	252.0	6,900	190	
195	36.8	224.7	11,700	37.9	228.2	11,100	39.6	232.9	10,200	41.2	237.1	9,300	43.7	242.9	7,800	46.1	247.3	6,300	195	
200	34.6	217.7	11,000	35.9	221.5	10,400	37.6	226.6	9,500	39.3	231.1	8,600	41.9	237.4	7,100	44.3	242.3	5,700	200	
205	32.4	210.1	10,200	33.7	214.2	9,700	35.5	219.8	8,800	37.2	224.7	7,900	40.0	231.6	6,500	42.5	236.9	5,100	205	
210	29.9	201.7	9,600	31.3	206.2	9,000	33.3	212.4	8,100	35.1	217.8	7,300	38.0	225.3	5,900	40.6	231.2	4,500	210	
215	27.3	192.4	8,900	28.8	197.5	8,300	30.9	204.3	7,500	32.9	210.3	6,700	35.9	218.6	5,300	38.6	225.1	4,000	215	
220	24.4	181.9	8,300	26.1	187.7	7,700	28.4	195.4	6,900	30.5	202.1	6,100	33.7	211.3	4,800				220	
225	21.2	169.8	7,600	23.0	176.6	7,100	25.6	185.4	6,300	27.9	193.0	5,600	31.3	203.4	4,300				225	
230	17.3	155.3	7,100	19.5	163.5	6,600	22.5	174.0	5,800	25.1	182.8	5,000							230	
235	12.3	135.9	6,500	15.3	147.3	6,000	18.9	160.6	5,300	21.9	171.1	4,500							235	
240				9.3	123.8	5,400				14.5	143.5	4,700								240
245							7.9	117.4	4,200											245

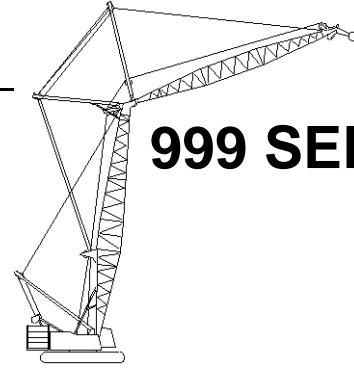


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



80 Ft. Boom, 240 Ft. Jib

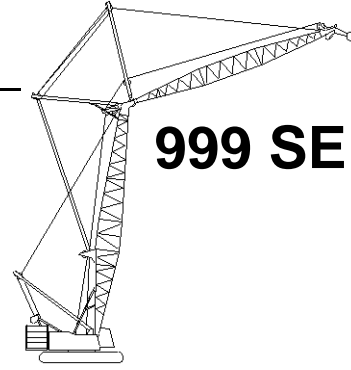
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.8	320.4	34,900*																70
75	74.6	319.1	34,500*																75
80	73.4	317.6	34,000*																80
85	72.1	316.0	33,600*	72.8	316.7	38,600*													85
90	70.8	314.3	33,200*	71.6	315.1	38,200*													90
95	69.6	312.5	32,800*	70.3	313.3	37,800*													95
100	68.3	310.5	32,400*	69.0	311.4	37,300*	70.1	312.5	36,800*										100
105	67.0	308.4	32,000*	67.7	309.4	36,900*	68.8	310.6	35,100										105
110	65.7	306.2	31,600*	66.4	307.3	34,300	67.5	308.5	32,500										110
115	64.4	303.9	31,200*	65.1	305.0	31,800	66.2	306.4	30,200	67.3	307.4	28,500							115
120	63.0	301.4	30,700	63.8	302.5	29,600	64.9	304.1	28,000	66.0	305.2	26,400							120
125	61.7	298.7	28,600	62.4	300.0	27,600	63.6	301.6	26,100	64.7	302.9	24,500							125
130	60.3	295.9	26,700	61.1	297.3	25,700	62.2	299.0	24,300	63.3	300.4	22,800							130
135	58.9	292.9	24,900	59.7	294.4	24,000	60.9	296.3	22,600	62.0	297.8	21,200							135
140	57.5	289.8	23,300	58.3	291.3	22,400	59.5	293.4	21,100	60.6	295.0	19,700	62.5	297.0	17,500				140
145	56.1	286.5	21,800	56.9	288.1	21,000	58.1	290.3	19,700	59.2	292.1	18,400	61.1	294.3	16,200				145
150	54.6	283.0	20,400	55.4	284.7	19,600	56.7	287.1	18,300	57.8	289.0	17,100	59.7	291.5	15,100				150
155	53.2	279.3	19,100	54.0	281.2	18,300	55.2	283.6	17,100	56.4	285.7	15,900	58.3	288.4	13,900				155
160	51.6	275.4	17,900	52.5	277.4	17,100	53.7	280.0	16,000	54.9	282.3	14,800	56.9	285.2	12,900				160
165	50.1	271.3	16,800	51.0	273.4	16,000	52.2	276.2	14,900	53.5	278.6	13,800	55.5	281.8	11,900	57.4	284.0	10,100	165
170	48.5	267.0	15,700	49.4	269.2	15,000	50.7	272.2	13,900	52.0	274.8	12,800	54.0	278.2	11,000	55.9	280.6	9,300	170
175	46.9	262.4	14,700	47.8	264.7	14,000	49.1	267.9	12,900	50.4	270.7	11,900	52.5	274.5	10,200	54.5	277.1	8,500	175
180	45.2	257.5	13,800	46.2	260.0	13,100	47.5	263.4	12,000	48.9	266.4	11,000	51.0	270.5	9,300	53.0	273.4	7,700	180
185	43.5	252.3	12,900	44.5	255.0	12,200	45.9	258.7	11,200	47.2	261.9	10,200	49.4	266.3	8,600	51.5	269.5	7,000	185
190	41.7	246.8	12,000	42.7	249.7	11,400	44.2	253.6	10,400	45.6	257.1	9,400	47.8	261.8	7,900	49.9	265.4	6,300	190
195	39.9	241.0	11,200	40.9	244.1	10,600	42.4	248.3	9,700	43.9	252.0	8,700	46.2	257.1	7,200	48.3	261.0	5,700	195
200	38.0	234.7	10,500	39.1	238.0	9,900	40.6	242.5	8,900	42.1	246.5	8,000	44.5	252.1	6,500	46.7	256.3	5,000	200
205	36.0	228.0	9,700	37.1	231.6	9,100	38.7	236.5	8,300	40.3	240.8	7,400	42.7	246.8	5,900	45.0	251.4	4,500	205
210	33.9	220.8	9,100	35.1	224.6	8,500	36.8	229.9	7,600	38.4	234.6	6,700	40.9	241.2	5,300				210
215	31.7	212.9	8,400	32.9	217.1	7,800	34.7	222.9	7,000	36.4	228.0	6,100	39.1	235.1	4,800				215
220	29.3	204.3	7,800	30.6	209.0	7,200	32.5	215.3	6,400	34.3	220.9	5,600	37.1	228.7	4,200				220
225	26.7	194.8	7,200	28.2	200.0	6,600	30.2	207.0	5,800	32.1	213.2	5,000							225
230	23.9	184.0	6,600	25.5	190.0	6,100	27.7	197.9	5,300	29.8	204.7	4,500							230
235	20.7	171.7	6,000	22.5	178.6	5,500	25.0	187.6	4,800	27.3	195.4	4,000							235
240	16.9	156.7	5,500	19.1	165.2	5,000	22.0	176.0	4,300										240
245	12.1	137.0	4,900	15.0	148.6	4,500													245
250				9.1	124.5	4,000													250



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

90 Ft. Boom, 70 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	67.8	162.4	155,100*b																			38
40	66.0	161.5	149,200*b	68.8	162.6	158,100*b																40
45	61.4	158.9	136,000*b	64.3	160.3	143,600*b																45
50	56.6	155.7	124,800*	59.7	157.5	126,900b	64.0	159.6	123,900b													50
55	51.5	152.0	113,700	54.7	154.2	112,000	59.3	156.8	109,300b	63.7	158.6	106,700b										55
60	45.9	147.4	101,600	49.5	150.1	100,000	54.4	153.4	97,700	59.0	155.7	95,300b										60
65	39.8	141.8	91,600	43.7	145.2	90,200	49.1	149.3	88,100	54.0	152.3	86,000	61.5	155.4	82,500b							65
70	32.7	134.7	83,300	37.3	139.2	82,100	43.3	144.3	80,100	48.7	148.1	78,200	56.7	152.3	75,000							70
75	23.7	125.0	76,200	29.6	131.3	75,100	36.8	138.1	73,400	42.9	143.1	71,600	51.6	148.5	68,700							75
80	7.2	105.5	56,700*	19.3	119.7	69,100	29.1	130.1	67,500	36.3	136.8	65,900	46.0	144.0	63,200	54.1	147.9	60,500				80
85							18.5	118.2	62,400	28.5	128.6	61,000	39.9	138.4	58,500	48.8	143.8	56,000				85
90										17.5	116.2	56,500	32.8	131.3	54,300	43.0	138.7	52,000	51.1	142.5	49,700	90
95													23.9	121.7	50,600	36.4	132.5	48,500	45.6	137.9	46,400	95
100													7.8	102.7	47,100	28.6	124.3	45,300	39.4	132.2	43,300	100
105																17.6	111.9	42,400	32.2	125.0	40,600	105
110																			23.0	115.0	38,100	110
115																			3.9	92.3	35,700	115

90 Ft. Boom, 80 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
38	70.7	173.1	150,700*b																			38	
40	69.2	172.3	145,100*b	71.6	173.3	153,700*b																40	
45	65.3	170.2	132,600*b	67.8	171.3	140,000*b																45	
50	61.3	167.5	121,900*	63.8	169.0	126,500b	67.5	170.6	123,500b													50	
55	57.0	164.4	112,600*	59.7	166.2	111,700	63.5	168.3	109,000	67.2	169.7	106,300b										55	
60	52.6	160.8	101,300	55.4	162.9	99,700	59.4	165.4	97,300	63.3	167.3	94,900										60	
65	47.9	156.5	91,400	50.9	159.0	90,000	55.1	162.1	87,800	59.1	164.4	85,600										65	
70	42.8	151.4	83,100	46.0	154.5	81,800	50.6	158.2	79,800	54.8	161.0	77,800	61.3	164.1	74,500							70	
75	37.1	145.2	76,100	40.7	149.0	74,900	45.7	153.6	73,100	50.2	157.1	71,200	57.1	161.0	68,200							75	
80	30.5	137.5	70,100	34.7	142.3	68,900	40.4	148.0	67,300	45.3	152.4	65,600	52.7	157.3	62,800							80	
85	22.1	126.9	64,800	27.6	133.7	63,800	34.3	141.2	62,200	40.0	146.8	60,700	48.0	153.1	58,100	54.9	156.6	55,500				85	
90	6.7	106.0	48,800*	18.0	121.3	59,200	27.1	132.5	57,800	33.9	139.9	56,300	42.8	148.0	53,900	50.3	152.7	51,500				90	
95										17.2	119.6	53,800	26.5	131.0	52,500	37.2	141.8	48,000	52.3	151.3	45,800	95	
100													16.3	117.6	49,000	30.6	134.1	47,000	47.6	146.9	42,800	100	
105																22.2	123.6	44,000	42.4	141.8	40,100	105	
110																7.2	103.2	41,200	26.6	126.6	39,500	110	
115																			16.4	113.3	37,100	115	
120																							120
125																							125

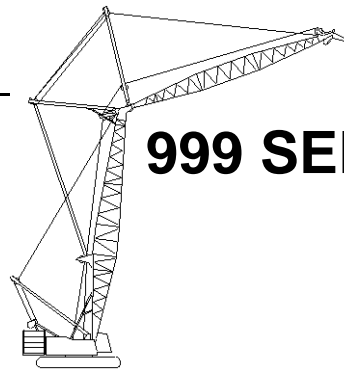


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



90 Ft. Boom, 90 Ft. Jib

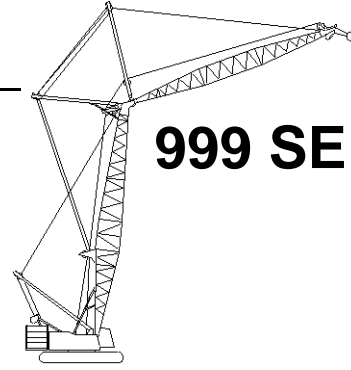
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	73.0	183.7	146,500*b																			38
40	71.6	183.0	141,300*b	73.7	183.8	147,500*b																40
45	68.2	181.1	129,500*b	70.4	182.1	136,600*b																45
50	64.7	178.8	119,300*	66.9	180.1	125,600*b	70.1	181.4	123,200b													50
55	61.1	176.2	110,400*	63.4	177.7	111,400	66.7	179.4	108,700													55
60	57.4	173.1	101,200	59.7	174.9	99,500	63.2	176.9	97,100	66.4	178.4	94,600										60
65	53.5	169.6	91,300	55.9	171.6	89,800	59.5	174.1	87,500	62.9	175.9	85,300										65
70	49.3	165.5	83,000	52.0	167.9	81,600	55.7	170.8	79,600	59.2	173.1	77,500										70
75	44.9	160.7	76,000	47.7	163.5	74,700	51.7	167.0	72,900	55.4	169.8	71,000	61.2	172.7	67,900							75
80	40.2	155.1	70,000	43.2	158.5	68,800	47.5	162.6	67,100	51.4	165.9	65,300	57.4	169.7	62,500							80
85	34.8	148.4	64,700	38.3	152.5	63,700	42.9	157.5	62,100	47.1	161.5	60,400	53.5	166.1	57,800							85
90	28.6	140.0	60,100	32.6	145.2	59,100	37.9	151.5	57,700	42.6	156.3	56,200	49.4	162.0	53,700	55.5	165.4	51,200				90
95	20.8	128.7	56,000	26.0	136.0	55,100	32.3	144.2	53,700	37.5	150.2	52,400	45.0	157.3	50,000	51.4	161.5	47,700				95
100	6.2	106.5	42,500*	16.9	122.7	51,500	25.5	134.8	50,200	31.8	142.7	49,000	40.2	151.7	46,800	47.2	157.1	44,600				100
105							16.2	121.0	47,100	24.9	133.2	45,900	34.9	145.0	43,900	42.6	151.9	41,800	49.1	155.9	39,800	105
110										15.3	118.9	43,100	28.7	136.6	41,200	37.6	145.8	39,300	44.7	151.1	37,400	110
115													20.9	125.4	38,800	31.9	138.4	37,000	39.8	145.4	35,200	115
120													6.7	103.8	36,500	25.0	128.8	34,900	34.5	138.6	33,200	120
125																15.4	114.6	32,900	28.2	130.2	31,400	125
130																			20.2	118.6	29,700	130
135																			3.3	92.7	27,900	135



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

90 Ft. Boom, 100 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	74.7	194.1	141,100*b																			38
40	73.5	193.5	137,000*b																			40
45	70.5	191.8	126,000*b	72.4	192.7	132,700*b																45
50	67.4	189.8	116,300*	69.3	190.9	122,400*																50
55	64.2	187.5	107,900*	66.2	188.8	111,100	69.2	190.2	108,200													55
60	61.0	184.9	100,500*	63.0	186.3	99,200	66.0	188.1	96,600													60
65	57.6	181.8	90,900	59.8	183.5	89,400	62.8	185.6	87,100	65.8	187.1	84,800										65
70	54.2	178.3	82,700	56.4	180.3	81,300	59.5	182.8	79,200	62.6	184.6	77,100										70
75	50.5	174.4	75,700	52.8	176.7	74,400	56.1	179.5	72,500	59.3	181.7	70,500										75
80	46.6	169.8	69,700	49.1	172.5	68,500	52.6	175.8	66,700	55.9	178.5	64,900	61.1	181.4	61,900							80
85	42.5	164.6	64,400	45.1	167.7	63,300	48.8	171.6	61,700	52.3	174.7	60,000	57.7	178.3	57,300							85
90	38.0	158.5	59,900	40.9	162.2	58,800	44.9	166.8	57,300	48.6	170.5	55,700	54.2	174.9	53,200							90
95	33.0	151.3	55,800	36.2	155.8	54,900	40.6	161.3	53,400	44.6	165.6	52,000	50.6	170.9	49,500	55.9	174.1	47,200				95
100	27.1	142.4	52,200	30.9	148.0	51,300	35.9	154.7	49,900	40.3	160.0	48,600	46.7	166.4	46,300	52.4	170.3	44,100				100
105	19.7	130.4	48,900	24.6	138.2	48,100	30.5	146.9	46,800	35.5	153.4	45,600	42.6	161.2	43,400	48.6	166.1	41,300				105
110	5.9	106.9	37,100*	16.0	124.1	45,200	24.1	136.9	44,000	30.1	145.4	42,800	38.1	155.1	40,800	44.6	161.3	38,800	50.3	164.8	36,900	110
115							15.3	122.3	41,400	23.6	135.2	40,300	33.0	147.9	38,400	40.3	155.6	36,600	46.4	160.3	34,700	115
120										14.5	120.1	38,000	27.2	139.1	36,300	35.6	149.1	34,500	42.2	155.0	32,700	120
125													19.8	127.1	34,200	30.2	141.1	32,600	37.7	148.9	30,900	125
130													6.3	104.2	32,300	23.7	130.9	30,800	32.6	141.6	29,200	130
135																14.6	115.9	29,100	26.7	132.5	27,700	135
140																			19.1	120.2	26,200	140
145																			3.1	92.8	24,700	145

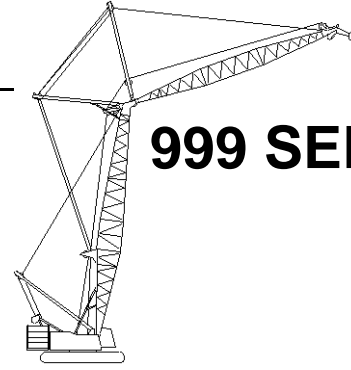


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



90 Ft. Boom, 110 Ft. Jib

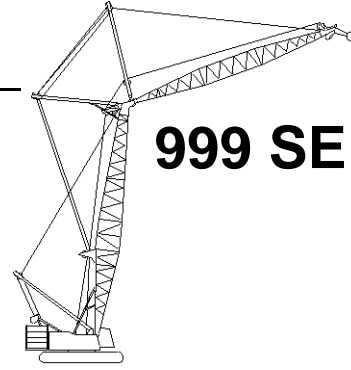
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.1	204.0	132,000*b																			40
45	72.3	202.4	122,500*																			45
50	69.6	200.6	113,500*	71.3	201.6	119,300*																50
55	66.7	198.6	105,400*	68.5	199.7	110,700*																55
60	63.9	196.2	98,300*	65.7	197.5	99,100	68.3	199.0	96,500													60
65	60.9	193.5	90,900	62.8	195.0	89,300	65.5	196.8	87,000													65
70	57.9	190.5	82,600	59.8	192.2	81,200	62.6	194.3	79,100	65.3	195.8	77,000										70
75	54.7	187.1	75,600	56.7	189.0	74,300	59.6	191.4	72,400	62.4	193.3	70,400										75
80	51.4	183.2	69,600	53.5	185.4	68,400	56.5	188.2	66,600	59.4	190.4	64,800										80
85	48.0	178.9	64,400	50.2	181.4	63,300	53.3	184.6	61,600	56.3	187.2	59,900	61.0	190.0	57,100							85
90	44.3	173.9	59,800	46.6	176.9	58,800	49.9	180.6	57,200	53.0	183.5	55,600	57.9	187.0	53,000							90
95	40.4	168.3	55,800	42.9	171.7	54,800	46.4	176.0	53,400	49.7	179.4	51,900	54.8	183.6	49,400							95
100	36.1	161.8	52,200	38.8	165.8	51,300	42.6	170.8	49,900	46.1	174.8	48,500	51.5	179.7	46,200	56.3	182.8	43,900				100
105	31.4	154.1	49,000	34.4	158.9	48,100	38.6	164.8	46,800	42.4	169.6	45,500	48.0	175.4	43,300	53.1	179.1	41,200				105
110	25.8	144.7	46,100	29.4	150.6	45,300	34.1	157.8	44,000	38.3	163.5	42,800	44.4	170.5	40,700	49.7	175.0	38,700				110
115	18.7	132.1	43,400	23.4	140.2	42,600	29.0	149.5	41,500	33.8	156.5	40,300	40.5	164.9	38,400	46.2	170.4	36,500	51.2	173.7	34,600	115
120	5.5	107.4	32,900*	15.2	125.4	40,200	22.9	138.9	39,200	28.6	148.0	38,100	36.2	158.4	36,200	42.4	165.2	34,400	47.7	169.3	32,600	120
125							14.5	123.6	37,000	22.5	137.2	36,000	31.4	150.8	34,200	38.3	159.1	32,500	44.1	164.4	30,800	125
130										13.7	121.3	34,000	25.9	141.4	32,400	33.8	152.1	30,800	40.1	158.7	29,200	130
135													18.8	128.8	30,700	28.7	143.7	29,200	35.8	152.1	27,600	135
140													6.0	104.7	29,100	22.5	132.9	27,700	31.0	144.4	26,200	140
145																13.9	117.1	26,200	25.4	134.8	24,900	145
150																			18.2	121.8	23,600	150
155																			2.9	93.0	22,300	155



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

90 Ft. Boom, 120 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.9	212.9	118,000*																			45
50	71.3	211.3	110,200*	72.9	212.1	115,600*																50
55	68.8	209.4	102,700*	70.4	210.4	107,700*																55
60	66.2	207.3	95,900*	67.8	208.4	98,700	70.2	209.7	96,100													60
65	63.5	204.9	89,900*	65.2	206.2	88,900	67.7	207.7	86,600													65
70	60.8	202.2	82,300	62.5	203.7	80,800	65.0	205.5	78,600	67.5	206.7	76,500										70
75	58.0	199.1	75,300	59.8	200.8	73,900	62.4	202.9	71,900	64.9	204.5	69,900										75
80	55.2	195.8	69,300	57.0	197.7	68,000	59.6	200.1	66,200	62.2	201.9	64,300										80
85	52.2	192.0	64,100	54.1	194.2	62,900	56.8	196.9	61,200	59.4	199.1	59,500										85
90	49.1	187.8	59,500	51.0	190.3	58,400	53.9	193.4	56,800	56.6	195.9	55,200	60.9	198.7	52,500							90
95	45.8	183.1	55,500	47.9	185.9	54,500	50.8	189.4	52,900	53.7	192.3	51,400	58.1	195.7	48,900							95
100	42.3	177.8	51,900	44.5	181.0	50,900	47.6	185.0	49,500	50.6	188.3	48,100	55.2	192.3	45,700							100
105	38.6	171.8	48,700	41.0	175.5	47,800	44.3	180.1	46,400	47.4	183.9	45,100	52.2	188.6	42,800	56.6	191.4	40,700				105
110	34.5	164.9	45,800	37.1	169.1	44,900	40.7	174.5	43,700	44.0	178.9	42,400	49.1	184.4	40,300	53.7	187.9	38,200				110
115	30.0	156.8	43,100	32.9	161.8	42,300	36.9	168.1	41,100	40.4	173.3	39,900	45.8	179.7	37,900	50.6	183.9	35,900				115
120	24.6	146.9	40,700	28.1	153.1	40,000	32.6	160.8	38,800	36.6	166.8	37,700	42.4	174.4	35,800	47.4	179.5	33,900	52.0	182.5	32,100	120
125	17.9	133.6	38,300*	22.3	142.2	37,800	27.8	151.9	36,700	32.3	159.4	35,600	38.6	168.4	33,800	44.1	174.5	32,000	48.9	178.3	30,300	125
130		5.3	28,900*	14.5	126.7	35,800	21.9	140.8	34,800	27.4	150.4	33,700	34.6	161.5	32,000	40.5	168.9	30,300	45.6	173.6	28,600	130
135							13.9	124.8	32,900				21.5	139.1	32,000	30.0	153.4	30,300	36.6	162.5	28,700	135
140													13.1	122.4	30,300	24.7	143.5	28,800	32.3	155.0	27,200	140
145													18.0	130.3	27,300	27.4	146.1	25,900	34.2	155.2	24,400	145
150													5.7	105.2	25,900	21.5	134.8	24,600	29.7	147.0	23,200	150
155																13.2	118.2	23,300	24.3	136.9	22,000	155
160																			17.4	123.3	20,900	160
165																			2.7	93.2	19,800	165

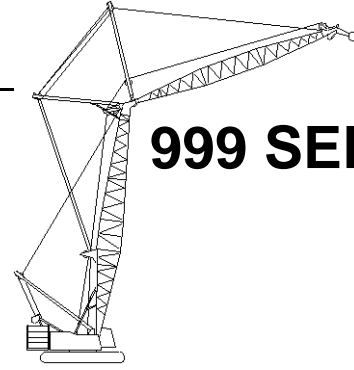


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



90 Ft. Boom, 130 Ft. Jib

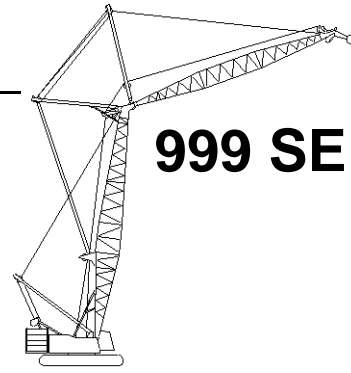
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.1	223.3	108,700*																			45
50	72.8	221.8	107,300*																			50
55	70.5	220.1	100,200*	72.0	221.0	105,000*																55
60	68.1	218.2	93,800*	69.6	219.2	98,200*																60
65	65.7	216.0	88,100*	67.2	217.2	88,600	69.5	218.5	86,200													65
70	63.3	213.6	82,000	64.8	214.9	80,500	67.1	216.4	78,300													70
75	60.8	210.8	75,000	62.3	212.3	73,600	64.7	214.2	71,600	66.9	215.5	69,600										75
80	58.2	207.8	69,000	59.8	209.5	67,700	62.2	211.6	65,800	64.5	213.2	64,000										80
85	55.5	204.5	63,800	57.2	206.4	62,600	59.7	208.7	60,900	62.0	210.6	59,100										85
90	52.8	200.8	59,200	54.5	202.9	58,100	57.0	205.6	56,500	59.5	207.7	54,900										90
95	50.0	196.7	55,200	51.8	199.1	54,200	54.4	202.1	52,600	56.9	204.5	51,100	60.8	207.4	48,600							95
100	47.0	192.2	51,600	48.9	194.9	50,700	51.6	198.3	49,200	54.2	201.0	47,800	58.2	204.4	45,400							100
105	43.9	187.2	48,400	45.8	190.2	47,500	48.7	194.0	46,100	51.4	197.2	44,800	55.6	201.0	42,500							105
110	40.6	181.6	45,500	42.7	184.9	44,700	45.7	189.3	43,400	48.5	192.9	42,100	52.9	197.3	39,900	56.9	200.1	37,800				110
115	37.0	175.2	42,900	39.3	179.0	42,100	42.4	184.0	40,800	45.4	188.1	39,600	50.0	193.3	37,600	54.2	196.6	35,600				115
120	33.1	167.9	40,500	35.6	172.4	39,700	39.0	178.1	38,600	42.2	182.8	37,400	47.0	188.8	35,400	51.4	192.8	33,500				120
125	28.7	159.4	38,300	31.5	164.7	37,600	35.3	171.3	36,500	38.8	176.8	35,300	43.9	183.8	33,500	48.5	188.5	31,700	52.6	191.3	29,900	125
130	23.6	149.0	36,300	26.9	155.5	35,600	31.3	163.6	34,500	35.1	170.0	33,500	40.6	178.1	31,700	45.5	183.7	30,000	49.8	187.2	28,300	130
135	17.1	135.1	33,900*	21.4	144.1	33,800	26.6	154.3	32,800	30.9	162.1	31,700	37.0	171.8	30,000	42.2	178.4	28,400	46.8	182.7	26,700	135
140	5.0	108.2	25,600*	13.9	127.9	32,000	21.0	142.7	31,100	26.3	152.8	30,100	33.2	164.5	28,500	38.8	172.4	26,900	43.7	177.6	25,400	140
145							13.3	125.9	29,500	20.6	140.9	28,600	28.8	156.0	27,100	35.1	165.6	25,600	40.3	171.9	24,100	145
150										12.6	123.5	27,200	23.7	145.6	25,800	31.0	157.8	24,300	36.8	165.5	22,900	150
155													17.3	131.8	24,500	26.3	148.4	23,100	32.8	158.2	21,700	155
160													5.5	105.6	23,200	20.6	136.6	22,000	28.4	149.5	20,700	160
165																12.7	119.3	20,900	23.3	139.0	19,700	165
170																			16.6	124.8	18,700	170
175																			2.6	93.4	17,700	175



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

90 Ft. Boom, 140 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.1	232.3	96,400*																			50
55	71.9	230.7	95,200*	73.3	231.5	101,700*																55
60	69.8	228.9	91,300*	71.1	229.8	95,500*																60
65	67.6	226.9	85,900*	69.0	228.0	88,200	71.0	229.2	85,800													65
70	65.3	224.7	80,900*	66.7	225.9	80,100	68.8	227.3	77,800													70
75	63.0	222.2	74,600	64.5	223.6	73,200	66.6	225.2	71,100													75
80	60.7	219.5	68,600	62.2	221.0	67,300	64.3	222.8	65,400	66.4	224.2	63,500										80
85	58.3	216.5	63,400	59.8	218.2	62,200	62.0	220.3	60,400	64.2	221.8	58,600										85
90	55.9	213.2	58,900	57.4	215.0	57,700	59.7	217.4	56,100	61.9	219.2	54,400										90
95	53.3	209.6	54,800	54.9	211.6	53,800	57.3	214.3	52,200	59.5	216.4	50,600										95
100	50.7	205.6	51,300	52.4	207.9	50,300	54.8	210.8	48,800	57.1	213.2	47,300	60.8	216.0	44,800							100
105	48.0	201.2	48,100	49.7	203.8	47,100	52.2	207.1	45,700	54.6	209.8	44,300	58.4	213.0	42,000							105
110	45.2	196.4	45,200	47.0	199.2	44,300	49.6	202.9	42,900	52.0	206.0	41,600	55.9	209.7	39,400							110
115	42.2	191.1	42,600	44.1	194.2	41,700	46.8	198.4	40,400	49.4	201.8	39,200	53.4	206.1	37,100	57.1	208.8	35,000				115
120	39.0	185.1	40,200	41.0	188.7	39,400	43.9	193.3	38,200	46.6	197.2	37,000	50.8	202.1	35,000	54.6	205.4	33,000				120
125	35.6	178.4	38,000	37.8	182.5	37,200	40.8	187.7	36,100	43.7	192.1	34,900	48.1	197.8	33,000	52.1	201.6	31,100				125
130	31.8	170.8	36,000	34.2	175.5	35,300	37.5	181.5	34,200	40.6	186.5	33,100	45.2	193.0	31,200	49.4	197.4	29,400				130
135	27.7	161.8	34,100	30.3	167.4	33,400	34.0	174.4	32,400	37.3	180.2	31,300	42.2	187.6	29,600	46.6	192.8	27,900	50.6	196.1	26,200	135
140	22.7	151.0	32,400	25.9	157.8	31,700	30.1	166.2	30,700	33.7	173.1	29,700	39.1	181.7	28,100	43.7	187.7	26,400	47.8	191.7	24,800	140
145	16.5	136.5	29,800*	20.6	145.9	30,200	25.6	156.6	29,200	29.8	164.8	28,300	35.6	175.0	26,700	40.6	182.1	25,100	45.0	186.8	23,500	145
150	4.8	108.5	22,400*	13.4	129.0	28,700	20.2	144.4	27,800	25.3	155.0	26,900	31.9	167.4	25,300	37.3	175.8	23,800	42.0	181.5	22,300	150
155							12.8	127.0	26,400	19.8	142.6	25,600	27.7	158.5	24,100	33.8	168.7	22,700	38.8	175.5	21,200	155
160										12.1	124.5	24,300	22.8	147.6	22,900	29.8	160.5	21,600	35.4	168.7	20,200	160
165													16.6	133.3	21,800	25.3	150.7	20,500	31.6	161.0	19,200	165
170													5.2	106.0	20,700	19.9	138.3	19,500	27.4	152.0	18,300	170
175																12.2	120.3	18,600	22.4	140.9	17,400	175
180																			16.0	126.1	16,500	180
185																			2.5	93.5	15,600	185

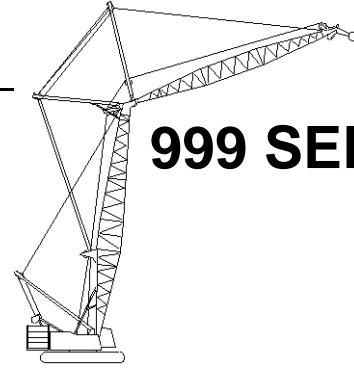


Liftcrane Luffing Jib Capacities

999 SERIES 2

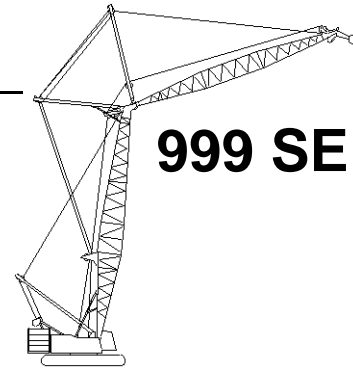
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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



90 Ft. Boom, 150 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.2	242.7	86,800*																			50
55	73.2	241.2	85,800*																			55
60	71.2	239.6	84,800*	72.4	240.4	92,800*																60
65	69.1	237.7	83,700*	70.4	238.7	87,500*																65
70	67.1	235.7	79,100*	68.4	236.7	79,900	70.3	238.0	77,700													70
75	65.0	233.4	74,400	66.3	234.6	73,100	68.2	236.0	71,000													75
80	62.8	230.9	68,500	64.2	232.2	67,200	66.2	233.9	65,200													80
85	60.7	228.2	63,300	62.0	229.7	62,100	64.1	231.5	60,200	66.0	232.9	58,500										85
90	58.4	225.2	58,700	59.8	226.8	57,600	61.9	228.9	55,900	63.9	230.5	54,200										90
95	56.2	221.9	54,700	57.6	223.7	53,600	59.7	226.1	52,000	61.7	227.9	50,500										95
100	53.8	218.3	51,100	55.3	220.3	50,100	57.4	222.9	48,600	59.5	225.0	47,100	62.9	227.4	44,700							100
105	51.4	214.4	47,900	52.9	216.7	47,000	55.1	219.5	45,600	57.3	221.9	44,100	60.7	224.7	41,800							105
110	48.9	210.2	45,000	50.5	212.6	44,100	52.8	215.8	42,800	55.0	218.5	41,400	58.5	221.7	39,200							110
115	46.3	205.5	42,400	47.9	208.2	41,600	50.3	211.8	40,300	52.6	214.8	39,000	56.2	218.4	36,900							115
120	43.5	200.4	40,000	45.3	203.4	39,200	47.8	207.4	38,000	50.1	210.7	36,800	53.8	214.9	34,800	57.3	217.5	32,800				120
125	40.7	194.8	37,900	42.5	198.1	37,100	45.1	202.5	35,900	47.6	206.2	34,800	51.4	211.0	32,900	55.0	214.1	31,000				125
130	37.6	188.5	35,900	39.6	192.3	35,100	42.3	197.2	34,000	44.9	201.4	32,900	48.9	206.7	31,100	52.6	210.4	29,300				130
135	34.3	181.5	34,000	36.4	185.8	33,300	39.4	191.3	32,300	42.1	196.0	31,200	46.3	202.1	29,400	50.2	206.3	27,700				135
140	30.7	173.5	32,300	33.0	178.4	31,600	36.2	184.8	30,600	39.1	190.1	29,600	43.6	197.0	27,900	47.6	201.8	26,300	51.2	204.9	24,600	140
145	26.7	164.2	30,700	29.3	170.0	30,100	32.8	177.4	29,100	36.0	183.5	28,100	40.7	191.4	26,500	44.9	197.0	24,900	48.7	200.6	23,400	145
150	21.9	152.9	29,200*	25.0	160.0	28,600	29.0	168.8	27,700	32.5	176.0	26,800	37.7	185.1	25,200	42.1	191.6	23,700	46.1	196.0	22,200	150
155	15.9	137.9	26,600*	19.9	147.6	27,300	24.7	158.8	26,400	28.7	167.4	25,500	34.4	178.1	24,000	39.2	185.7	22,500	43.4	190.8	21,100	155
160	4.7	108.9	20,000*	12.9	130.1	25,700*	19.5	146.1	25,100	24.4	157.1	24,300	30.8	170.2	22,800	36.0	179.1	21,400	40.5	185.2	20,000	160
165							12.4	128.1	23,900	19.1	144.3	23,100	26.7	160.9	21,800	32.6	171.6	20,400	37.4	178.9	19,100	165
170										11.7	125.5	22,000	22.0	149.6	20,700	28.8	163.0	19,400	34.1	171.8	18,100	170
175													16.0	134.7	19,800	24.4	152.8	18,500	30.5	163.7	17,300	175
180													5.0	106.4	18,800	19.2	140.0	17,600	26.4	154.3	16,400	180
185																11.8	121.3	16,800	21.6	142.8	15,700	185
190																			15.4	127.5	14,900	190
195																			2.4	93.7	14,100	195



Liftcrane Luffing Jib Capacities

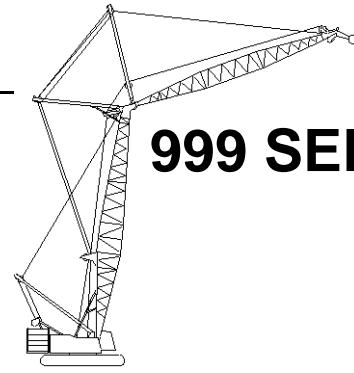
999 SERIES 2

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

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

90 Ft. Boom, 160 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.3	251.7	76,700*																			55
60	72.4	250.1	76,300*	73.6	250.9	86,900*																60
65	70.5	248.4	75,400*	71.7	249.3	84,700*																65
70	68.6	246.5	74,500*	69.8	247.5	79,500																70
75	66.6	244.4	72,800*	67.9	245.5	72,700	69.7	246.8	70,500													75
80	64.7	242.1	68,100	65.9	243.3	66,800	67.7	244.8	64,800													80
85	62.7	239.6	62,900	63.9	240.9	61,700	65.8	242.6	59,800	67.6	243.8	58,000										85
90	60.6	236.8	58,300	61.9	238.3	57,200	63.8	240.2	55,500	65.6	241.6	53,700										90
95	58.5	233.8	54,300	59.9	235.5	53,200	61.8	237.6	51,600	63.7	239.2	50,000										95
100	56.4	230.6	50,700	57.7	232.4	49,700	59.7	234.7	48,200	61.6	236.6	46,700										100
105	54.2	227.1	47,500	55.6	229.1	46,600	57.6	231.6	45,100	59.6	233.7	43,700	62.7	236.1	41,300							105
110	52.0	223.2	44,700	53.4	225.4	43,700	55.5	228.3	42,400	57.5	230.6	41,000	60.7	233.3	38,700							110
115	49.6	219.1	42,100	51.1	221.5	41,200	53.2	224.6	39,900	55.3	227.2	38,600	58.6	230.4	36,400							115
120	47.2	214.6	39,700	48.7	217.2	38,800	51.0	220.7	37,600	53.1	223.5	36,400	56.4	227.1	34,300							120
125	44.7	209.7	37,500	46.3	212.6	36,700	48.6	216.4	35,500	50.8	219.5	34,300	54.2	223.6	32,400	57.5	226.2	30,400				125
130	42.1	204.3	35,500	43.7	207.5	34,800	46.1	211.7	33,600	48.4	215.2	32,500	52.0	219.8	30,600	55.3	222.8	28,800				130
135	39.3	198.4	33,700	41.1	201.9	32,900	43.6	206.6	31,900	46.0	210.5	30,800	49.7	215.6	29,000	53.1	219.1	27,200				135
140	36.4	191.8	31,900*	38.2	195.8	31,300	40.9	201.0	30,200	43.4	205.4	29,200	47.3	211.1	27,500	50.8	215.1	25,800				140
145	33.2	184.5	30,200*	35.2	189.0	29,700	38.0	194.8	28,700	40.7	199.7	27,700	44.8	206.2	26,100	48.4	210.8	24,400	51.8	213.7	22,800	145
150	29.7	176.2	28,600*	31.9	181.3	28,300	35.0	187.9	27,300	37.8	193.5	26,400	42.1	200.9	24,800	46.0	206.1	23,200	49.5	209.6	21,600	150
155	25.8	166.5	27,200*	28.3	172.5	26,900	31.7	180.2	26,000	34.8	186.6	25,100	39.4	195.0	23,500	43.4	201.0	22,000	47.1	205.0	20,500	155
160	21.2	154.8	25,900*	24.2	162.2	25,700	28.1	171.3	24,800	31.5	178.8	23,900	36.4	188.4	22,400	40.7	195.4	20,900	44.6	200.1	19,500	160
165	15.4	139.2	23,500*	19.3	149.3	24,500	23.9	160.9	23,600	27.8	169.8	22,800	33.2	181.1	21,300	37.9	189.1	19,900	41.9	194.7	18,600	165
170	4.5	109.3	17,400*	12.5	131.2	22,700*	18.9	147.8	22,500	23.6	159.2	21,700	29.8	172.8	20,300	34.8	182.2	19,000	39.1	188.7	17,600	170
175				12.0	129.1	21,500				18.5	145.9	20,700	25.9	163.1	19,400	31.5	174.4	18,100	36.2	182.2	16,800	175
180										11.3	126.5	19,700	21.3	151.4	18,500	27.8	165.5	17,200	33.0	174.8	16,000	180
185													15.5	136.0	17,600	23.6	154.9	16,400	29.5	166.4	15,200	185
190													4.9	106.8	16,700	18.5	141.6	15,600	25.5	156.6	14,500	190
195																11.4	122.3	14,900	20.9	144.7	13,800	195
200																			14.9	128.8	13,100	200
205																			2.3	93.8	12,400	205



999 SERIES 2

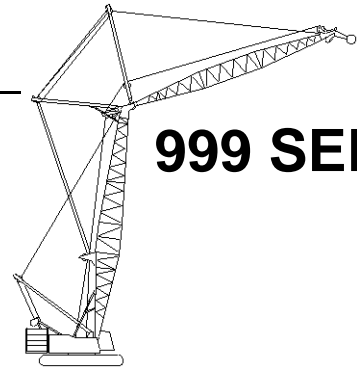
Liftcrane Luffing Jib Capacities

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

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

90 Ft. Boom, 170 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.2	262.1	69,000*																			55
60	73.5	260.6	68,500*																			60
65	71.7	259.0	68,000*	72.8	259.8	77,500*																65
70	69.9	257.2	67,500*	71.0	258.1	71,600																70
75	68.1	255.3	66,800*	69.2	256.3	65,000	70.9	257.4	62,200													75
80	66.3	253.1	61,100	67.4	254.2	59,400	69.1	255.6	56,800													80
85	64.4	250.8	56,100	65.6	252.0	54,500	67.3	253.5	52,100													85
90	62.5	248.2	51,800	63.7	249.6	50,300	65.5	251.3	48,000	67.2	252.6	45,700										90
95	60.6	245.5	47,900	61.8	247.0	46,500	63.6	248.9	44,400	65.3	250.3	42,200										95
100	58.6	242.5	44,500	59.9	244.1	43,200	61.7	246.2	41,100	63.4	247.9	39,100										100
105	56.6	239.3	41,400	57.9	241.1	40,200	59.7	243.4	38,300	61.5	245.2	36,300										105
110	54.6	235.8	38,700	55.9	237.8	37,500	57.8	240.3	35,600	59.6	242.4	33,800	62.5	244.8	30,900							110
115	52.5	232.0	36,200	53.8	234.2	35,000	55.7	237.0	33,300	57.6	239.3	31,600	60.6	242.0	28,700							115
120	50.3	228.0	33,900	51.7	230.3	32,800	53.7	233.4	31,100	55.6	235.9	29,500	58.7	239.0	26,800							120
125	48.0	223.6	31,800	49.5	226.1	30,800	51.5	229.5	29,200	53.5	232.3	27,600	56.7	235.8	25,000							125
130	45.7	218.8	29,900	47.2	221.6	28,900	49.3	225.3	27,400	51.4	228.4	25,900	54.6	232.3	23,400	57.6	234.8	21,000				130
135	43.3	213.7	28,100	44.8	216.7	27,200	47.0	220.7	25,700	49.2	224.2	24,300	52.5	228.6	21,900	55.6	231.5	19,600				135
140	40.8	208.0	26,500	42.4	211.4	25,600	44.7	215.8	24,200	46.9	219.6	22,800	50.3	224.5	20,500	53.5	227.9	18,300				140
145	38.1	201.9	25,000	39.8	205.6	24,100	42.2	210.4	22,800	44.5	214.6	21,400	48.1	220.1	19,200	51.4	224.0	17,100				145
150	35.2	195.0	23,600	37.0	199.1	22,700	39.6	204.6	21,400	42.0	209.2	20,200	45.8	215.4	18,000	49.2	219.8	16,000	52.3	222.5	13,900	150
155	32.2	187.4	22,300	34.1	192.0	21,400	36.9	198.1	20,200	39.4	203.3	19,000	43.3	210.2	16,900	46.9	215.2	14,900	50.1	218.5	13,000	155
160	28.8	178.8	21,000	30.9	184.1	20,200	33.9	191.0	19,000	36.7	196.8	17,900	40.8	204.6	15,900	44.5	210.2	13,900	47.9	214.0	12,100	160
165	25.0	168.7	19,900	27.4	175.0	19,100	30.7	183.0	18,000	33.7	189.6	16,800	38.1	198.4	14,900	42.0	204.9	13,000	45.6	209.3	11,200	165
170	20.6	156.6	18,800	23.4	164.2	18,000	27.2	173.8	16,900	30.5	181.5	15,800	35.3	191.6	14,000	39.4	199.0	12,200	43.1	204.1	10,400	170
175	14.9	140.5	17,700	18.7	150.9	17,000	23.2	162.9	15,900	26.9	172.2	14,900	32.2	184.0	13,100	36.7	192.5	11,400	40.6	198.4	9,700	175
180	4.3	109.6	15,300*	12.1	132.2	16,000	18.3	149.4	15,000	22.9	161.2	14,000	28.8	175.4	12,300	33.7	185.3	10,600	37.9	192.2	8,900	180
185							11.6	130.1	14,100				17.9	147.5	13,100	25.1	177.2	9,900	35.0	185.3	8,300	185
190													10.9	127.4	12,300	20.7	173.2	10,700	27.0	177.6	7,600	190
195																15.0	137.3	10,000	22.9	168.9	7,000	195
200																4.7	107.2	9,200	18.0	143.2	6,400	200
205																			11.0	123.2	7,200	205
210																						210
215																						215



Liftcrane Luffing Jib Capacities

999 SERIES 2

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

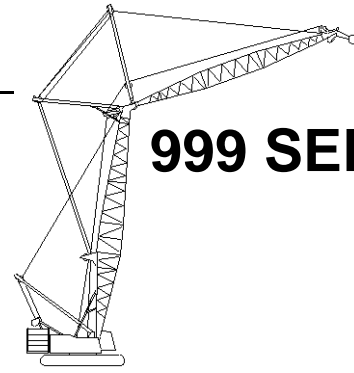
**Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5**

90 Ft. Boom, 180 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.4	271.1	61,500*																			60
65	72.8	269.5	61,000*	73.8	270.3	69,500*																65
70	71.1	267.9	60,500*	72.1	268.7	69,000*																70
75	69.4	266.0	60,100*	70.4	267.0	64,500																75
80	67.7	264.0	59,600*	68.7	265.1	58,800	70.3	266.3	56,200													80
85	65.9	261.8	55,600	67.0	263.0	54,000	68.6	264.4	51,500													85
90	64.2	259.5	51,300	65.3	260.7	49,700	66.9	262.3	47,400													90
95	62.4	256.9	47,400	63.5	258.3	46,000	65.2	260.0	43,800	66.8	261.3	41,600										95
100	60.6	254.1	44,000	61.7	255.6	42,600	63.4	257.6	40,500	65.0	259.0	38,500										100
105	58.7	251.2	40,900	59.9	252.8	39,600	61.6	254.9	37,700	63.3	256.6	35,700										105
110	56.8	248.0	38,200	58.0	249.7	36,900	59.7	252.0	35,100	61.5	253.9	33,200										110
115	54.9	244.5	35,700	56.1	246.5	34,500	57.9	249.0	32,700	59.6	251.0	30,900	62.4	253.4	28,000							115
120	52.9	240.8	33,400	54.1	242.9	32,300	56.0	245.7	30,600	57.7	247.9	28,900	60.6	250.7	26,100							120
125	50.9	236.8	31,300	52.1	239.1	30,200	54.0	242.1	28,600	55.8	244.6	27,000	58.7	247.7	24,400							125
130	48.8	232.5	29,400	50.1	235.0	28,400	52.0	238.3	26,800	53.9	241.0	25,300	56.8	244.5	22,700							130
135	46.6	227.9	27,600	48.0	230.6	26,600	50.0	234.2	25,200	51.9	237.2	23,700	54.9	241.0	21,200	57.8	243.5	18,900				135
140	44.4	222.9	26,000	45.8	225.9	25,100	47.8	229.7	23,600	49.8	233.1	22,200	52.9	237.3	19,900	55.9	240.2	17,600				140
145	42.0	217.5	24,500	43.5	220.7	23,600	45.6	225.0	22,200	47.7	228.6	20,800	50.9	233.4	18,600	53.9	236.6	16,400				145
150	39.6	211.6	23,100	41.1	215.1	22,200	43.3	219.8	20,900	45.5	223.8	19,600	48.8	229.1	17,400	51.9	232.8	15,300				150
155	37.0	205.2	21,800	38.6	209.1	20,900	40.9	214.2	19,700	43.2	218.6	18,400	46.6	224.5	16,300	49.8	228.7	14,200	52.8	231.3	12,200	155
160	34.2	198.1	20,500	35.9	202.4	19,700	38.4	208.1	18,500	40.8	213.0	17,300	44.4	219.5	15,300	47.7	224.2	13,300	50.7	227.3	11,300	160
165	31.2	190.2	19,400	33.1	195.0	18,600	35.8	201.4	17,400	38.3	206.8	16,200	42.0	214.1	14,300	45.5	219.4	12,400	48.6	223.0	10,500	165
170	27.9	181.2	18,300	30.0	186.8	17,500	32.9	193.9	16,400	35.6	200.1	15,300	39.6	208.2	13,400	43.2	214.2	11,500	46.5	218.4	9,700	170
175	24.3	170.9	17,300	26.6	177.3	16,500	29.8	185.6	15,400	32.7	192.6	14,300	37.0	201.8	12,500	40.8	208.6	10,700	44.2	213.4	9,000	175
180	20.0	158.3	16,300	22.8	166.2	15,600	26.4	176.1	14,500	29.6	184.2	13,500	34.2	194.7	11,700	38.3	202.4	10,000	41.9	207.9	8,300	180
185	14.5	141.8	15,300	18.1	152.5	14,700	22.5	164.9	13,700	26.1	174.5	12,600	31.3	186.8	10,900	35.6	195.7	9,200	39.4	202.0	7,600	185
190	4.2	109.9	13,100*	11.8	133.2	13,800	17.8	150.9	12,800	22.2	163.2	11,800	28.0	177.9	10,200	32.7	188.2	8,600	36.8	195.5	7,000	190
195							11.2	131.0	12,000	17.4	149.0	11,100	24.3	167.5	9,500	29.6	179.8	7,900	34.0	188.4	6,400	195
200										10.6	128.3	10,300	20.1	155.0	8,800	26.2	170.2	7,300	31.0	180.4	5,800	200
205													14.6	138.5	8,100	22.2	158.9	6,700	27.7	171.4	5,200	205
210													4.6	107.5	7,400	17.4	144.7	6,100	24.0	160.9	4,700	210
215																10.7	124.1	5,500	19.7	148.2	4,200	215



Liftcrane Luffing Jib Capacities



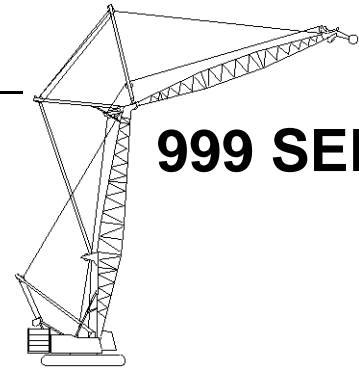
999 SERIES 2

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

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

90 Ft. Boom, 190 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.3	281.4	55,500*																			60
65	73.7	280.0	55,000*																			65
70	72.1	278.4	54,500*	73.1	279.2	62,100*																70
75	70.5	276.7	54,000*	71.5	277.6	61,600*																75
80	68.9	274.8	53,500*	69.9	275.8	58,500																80
85	67.3	272.8	53,000*	68.3	273.8	53,700	69.8	275.1	51,200													85
90	65.6	270.5	51,000	66.7	271.7	49,400	68.2	273.1	47,100													90
95	63.9	268.1	47,100	65.0	269.4	45,700	66.5	271.0	43,500													95
100	62.2	265.6	43,700	63.3	267.0	42,300	64.9	268.7	40,300	66.4	270.0	38,200										100
105	60.5	262.8	40,600	61.6	264.3	39,300	63.2	266.2	37,400	64.8	267.7	35,400										105
110	58.8	259.8	37,900	59.9	261.5	36,600	61.5	263.6	34,800	63.1	265.2	32,900										110
115	57.0	256.6	35,400	58.1	258.4	34,200	59.8	260.7	32,400	61.4	262.6	30,700										115
120	55.2	253.2	33,100	56.3	255.1	32,000	58.0	257.6	30,300	59.6	259.7	28,600	62.3	262.1	25,800							120
125	53.3	249.6	31,000	54.5	251.6	29,900	56.2	254.4	28,300	57.9	256.6	26,700	60.6	259.3	24,100							125
130	51.4	245.7	29,100	52.6	247.9	28,100	54.3	250.8	26,500	56.1	253.3	25,000	58.8	256.4	22,400							130
135	49.4	241.5	27,400	50.6	243.9	26,400	52.5	247.1	24,900	54.2	249.8	23,400	57.0	253.2	21,000							135
140	47.4	237.0	25,700	48.7	239.6	24,800	50.5	243.0	23,300	52.3	246.0	21,900	55.2	249.8	19,600	57.9	252.2	17,300				140
145	45.3	232.1	24,200	46.6	234.9	23,300	48.5	238.7	21,900	50.4	241.9	20,600	53.3	246.1	18,300	56.1	248.9	16,100				145
150	43.1	226.9	22,800	44.5	230.0	21,900	46.5	234.1	20,600	48.4	237.6	19,300	51.4	242.2	17,100	54.2	245.4	15,000				150
155	40.8	221.3	21,500	42.3	224.6	20,700	44.3	229.1	19,400	46.3	232.9	18,100	49.4	238.0	16,000	52.3	241.6	14,000				155
160	38.4	215.1	20,300	40.0	218.8	19,500	42.1	223.7	18,200	44.2	227.9	17,000	47.4	233.5	15,000	50.4	237.5	13,000				160
165	35.9	208.5	19,100	37.5	212.5	18,400	39.8	217.8	17,200	42.0	222.5	16,000	45.3	228.7	14,000	48.4	233.2	12,100	51.3	236.1	10,200	165
170	33.2	201.1	18,100	34.9	205.6	17,300	37.4	211.5	16,100	39.6	216.6	15,000	43.1	223.5	13,100	46.3	228.5	11,200	49.3	231.9	9,400	170
175	30.4	192.9	17,000	32.2	197.9	16,300	34.8	204.5	15,200	37.2	210.2	14,100	40.9	217.8	12,200	44.2	223.5	10,400	47.2	227.4	8,700	175
180	27.2	183.7	16,100	29.2	189.4	15,400	32.0	196.8	14,300	34.6	203.2	13,200	38.5	211.7	11,400	42.0	218.1	9,700	45.1	222.5	8,000	180
185	23.6	172.9	15,200	25.9	179.6	14,500	29.0	188.2	13,400	31.8	195.4	12,400	36.0	205.1	10,700	39.7	212.2	9,000	43.0	217.3	7,300	185
190	19.4	160.0	14,300	22.1	168.2	13,600	25.7	178.4	12,600	28.8	186.7	11,600	33.3	197.7	9,900	37.2	205.8	8,300	40.7	211.6	6,700	190
195	14.1	143.0	13,400	17.6	154.1	12,800	21.9	166.8	11,800	25.4	176.8	10,900	30.4	189.5	9,200	34.6	198.8	7,700	38.3	205.5	6,100	195
200	4.1	110.2	11,400*	11.4	134.2	12,000	17.3	152.4	11,100	21.6	165.1	10,200	27.2	180.3	8,600	31.8	191.1	7,000	35.8	198.8	5,500	200
205				10.9	132.0	10,400				16.9	150.4	9,500	23.7	169.6	8,000	28.8	182.4	6,500	33.1	191.4	5,000	205
210										10.3	129.2	8,800	19.5	156.7	7,300	25.5	172.5	5,900	30.2	183.1	4,500	210
215													14.2	139.8	6,700	21.6	160.8	5,400	27.0	173.8	4,000	215
220													4.4	107.9	6,100	17.0	146.2	4,800				220
225																10.4	125.0	4,300				225



Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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

90 Ft. Boom, 200 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	76.0	291.8	49,700*																			60
65	74.5	290.4	49,200*																			65
70	73.0	288.9	48,700*	74.0	289.6	55,400*																70
75	71.5	287.3	48,200*	72.5	288.1	54,900*																75
80	70.0	285.5	47,700*	71.0	286.4	54,400*																80
85	68.5	283.6	47,200*	69.4	284.6	53,100	70.9	285.7	50,600													85
90	66.9	281.5	46,700*	67.9	282.6	48,900	69.3	283.9	46,500													90
95	65.3	279.2	46,300*	66.3	280.4	45,100	67.8	281.9	42,900													95
100	63.8	276.8	43,200	64.8	278.1	41,800	66.2	279.7	39,700	67.7	280.9	37,600										100
105	62.1	274.2	40,100	63.2	275.6	38,800	64.6	277.4	36,800	66.1	278.7	34,800										105
110	60.5	271.5	37,400	61.5	273.0	36,100	63.0	274.9	34,200	64.5	276.4	32,300										110
115	58.8	268.5	34,900	59.9	270.1	33,700	61.4	272.2	31,800	62.9	273.9	30,000										115
120	57.1	265.3	32,600	58.2	267.1	31,400	59.8	269.4	29,700	61.3	271.2	28,000										120
125	55.4	261.9	30,500	56.5	263.8	29,400	58.1	266.3	27,700	59.7	268.3	26,100	62.2	270.8	23,400							125
130	53.6	258.3	28,600	54.8	260.4	27,500	56.4	263.0	26,000	58.0	265.3	24,400	60.5	268.0	21,800							130
135	51.8	254.5	26,800	53.0	256.7	25,800	54.6	259.6	24,300	56.3	262.0	22,800	58.9	265.0	20,300							135
140	50.0	250.3	25,200	51.1	252.7	24,200	52.9	255.8	22,800	54.5	258.5	21,300	57.2	261.8	18,900							140
145	48.1	245.9	23,700	49.3	248.5	22,800	51.0	251.9	21,400	52.7	254.8	20,000	55.4	258.5	17,700	58.0	260.9	15,400				145
150	46.1	241.2	22,300	47.3	244.0	21,400	49.1	247.6	20,100	50.9	250.8	18,700	53.7	254.9	16,500	56.3	257.6	14,300				150
155	44.1	236.2	21,000	45.3	239.1	20,100	47.2	243.1	18,800	49.0	246.5	17,500	51.9	251.0	15,400	54.5	254.1	13,300				155
160	41.9	230.8	19,800	43.3	234.0	18,900	45.2	238.3	17,700	47.1	242.0	16,400	50.0	246.9	14,400	52.7	250.4	12,300				160
165	39.7	224.9	18,600	41.1	228.4	17,800	43.1	233.0	16,600	45.1	237.1	15,400	48.1	242.5	13,400	50.9	246.4	11,400				165
170	37.4	218.5	17,600	38.9	222.3	16,800	41.0	227.4	15,600	43.0	231.8	14,400	46.1	237.8	12,500	49.0	242.1	10,600	51.7	245.0	8,700	170
175	35.0	211.6	16,600	36.5	215.8	15,800	38.7	221.4	14,700	40.8	226.2	13,500	44.1	232.7	11,600	47.1	237.6	9,800	49.9	240.8	8,000	175
180	32.4	204.0	15,600	34.0	208.6	14,900	36.4	214.8	13,800	38.6	220.1	12,700	42.0	227.3	10,800	45.1	232.7	9,000	47.9	236.4	7,300	180
185	29.6	195.6	14,700	31.3	200.7	14,000	33.9	207.6	12,900	36.2	213.5	11,800	39.8	221.5	10,100	43.0	227.5	8,300	46.0	231.7	6,600	185
190	26.5	186.0	13,800	28.4	191.9	13,100	31.2	199.6	12,100	33.7	206.2	11,100	37.5	215.1	9,400	40.9	221.8	7,700	43.9	226.6	6,000	190
195	23.0	175.0	13,000	25.2	181.8	12,300	28.2	190.7	11,300	31.0	198.2	10,300	35.0	208.2	8,700	38.6	215.7	7,000	41.8	221.1	5,400	195
200	18.9	161.7	12,200	21.6	170.1	11,600	25.0	180.6	10,600	28.0	189.2	9,600	32.4	200.6	8,000	36.2	209.1	6,400	39.6	215.3	4,900	200
205	13.7	144.2	11,500	17.2	155.6	10,800	21.3	168.7	9,900	24.8	179.0	9,000	29.6	192.2	7,400	33.7	201.9	5,800	37.3	208.9	4,300	205
210	4.0	110.6	9,600*	11.1	135.2	10,100	16.8	153.9	9,200	21.0	166.9	8,300	26.5	182.6	6,800	31.0	193.8	5,300				210
215							10.6	132.9	8,600	16.5	151.9	7,700	23.1	171.6	6,200	28.1	184.9	4,800				215
220										10.1	130.0	7,100	19.0	158.4	5,700	24.8	174.7	4,300				220
225													13.8	141.0	5,100							225
230													4.3	108.2	4,500							230

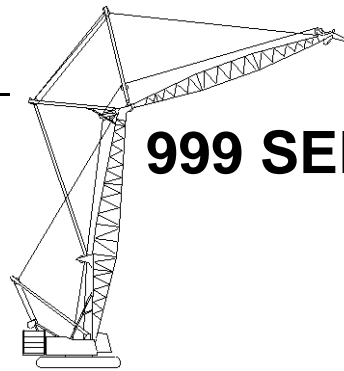


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



90 Ft. Boom, 210 Ft. Jib

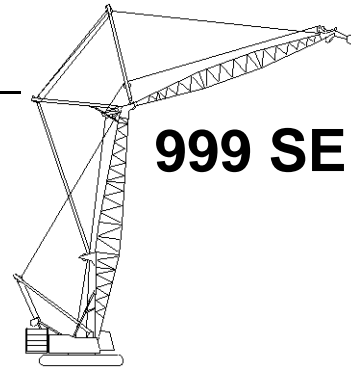
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet	
	Jib Ang.	Jib Elev.	Luffing Jib Capacity Pounds	Jib Ang.	Jib Elev.	Luffing Jib Capacity Pounds	Jib Ang.	Jib Elev.	Luffing Jib Capacity Pounds	Jib Ang.	Jib Elev.	Luffing Jib Capacity Pounds	Jib Ang.	Jib Elev.	Luffing Jib Capacity Pounds	Jib Ang.	Jib Elev.	Luffing Jib Capacity Pounds	Jib Ang.	Jib Elev.	Luffing Jib Capacity Pounds		
	Deg.	Feet		Deg.	Feet		Deg.	Feet		Deg.	Feet		Deg.	Feet		Deg.	Feet		Deg.	Feet			
65	75.3	300.8	44,500*																			65	
70	73.9	299.4	44,000*																			70	
75	72.4	297.8	43,500*	73.3	298.6	49,700*																75	
80	71.0	296.2	43,000*	71.9	297.0	49,100*																80	
85	69.5	294.3	42,600*	70.5	295.2	48,600*																85	
90	68.1	292.3	42,100*	69.0	293.4	48,200*	70.4	294.6	46,000													90	
95	66.6	290.2	41,600*	67.5	291.3	44,700	68.9	292.7	42,400													95	
100	65.1	287.9	41,200*	66.0	289.1	41,300	67.4	290.6	39,200													100	
105	63.6	285.5	39,700	64.5	286.8	38,300	65.9	288.4	36,300	67.3	289.7	34,300										105	
110	62.0	282.9	36,900	63.0	284.3	35,600	64.4	286.1	33,700	65.8	287.5	31,800										110	
115	60.5	280.1	34,400	61.5	281.6	33,200	62.9	283.6	31,400	64.3	285.1	29,500										115	
120	58.9	277.1	32,100	59.9	278.8	31,000	61.4	280.9	29,200	62.8	282.6	27,500										120	
125	57.3	274.0	30,100	58.3	275.7	28,900	59.8	278.0	27,300	61.2	279.9	25,600										125	
130	55.6	270.6	28,100	56.7	272.5	27,100	58.2	275.0	25,500	59.7	277.0	23,900	62.1	279.4	21,300							130	
135	54.0	267.1	26,400	55.0	269.1	25,400	56.6	271.7	23,800	58.1	273.9	22,300	60.5	276.6	19,800							135	
140	52.2	263.3	24,800	53.3	265.4	23,800	54.9	268.3	22,300	56.4	270.7	20,800	58.9	273.7	18,400							140	
145	50.5	259.2	23,300	51.6	261.5	22,300	53.2	264.6	20,900	54.8	267.2	19,500	57.3	270.5	17,100							145	
150	48.7	254.9	21,900	49.8	257.4	21,000	51.5	260.7	19,600	53.1	263.5	18,200	55.7	267.2	16,000							150	
155	46.8	250.3	20,600	48.0	253.0	19,700	49.7	256.5	18,400	51.4	259.6	17,000	54.0	263.6	14,900	56.5	266.3	12,700				155	
160	44.9	245.4	19,300	46.1	248.3	18,500	47.9	252.1	17,200	49.6	255.4	15,900	52.3	259.8	13,800	54.8	262.8	11,800				160	
165	42.9	240.1	18,200	44.2	243.2	17,400	46.0	247.4	16,100	47.7	251.0	14,900	50.5	255.8	12,900	53.1	259.1	10,900				165	
170	40.9	234.5	17,100	42.2	237.8	16,300	44.1	242.3	15,100	45.9	246.2	13,900	48.7	251.5	12,000	51.4	255.2	10,100				170	
175	38.7	228.4	16,100	40.1	232.0	15,400	42.1	236.9	14,200	43.9	241.1	13,000	46.9	246.9	11,100	49.6	251.0	9,300	52.1	253.8	7,500	175	
180	36.5	221.8	15,200	37.9	225.8	14,400	40.0	231.1	13,300	41.9	235.7	12,200	45.0	242.0	10,300	47.8	246.6	8,500	50.4	249.7	6,800	180	
185	34.1	214.7	14,300	35.6	219.0	13,500	37.8	224.8	12,500	39.8	229.8	11,400	43.0	236.7	9,600	45.9	241.8	7,800	48.6	245.4	6,100	185	
190	31.6	206.8	13,400	33.2	211.6	12,700	35.5	218.0	11,700	37.6	223.5	10,600	40.9	231.1	8,900	43.9	236.8	7,200	46.7	240.8	5,500	190	
195	28.8	198.1	12,600	30.6	203.5	11,900	33.0	210.5	10,900	35.3	216.7	9,900	38.8	225.0	8,200	41.9	231.3	6,500	44.8	235.8	4,900	195	
200	25.8	188.3	11,800	27.7	194.4	11,200	30.4	202.3	10,200	32.8	209.2	9,200	36.5	218.4	7,500	39.8	225.5	5,900	42.8	230.5	4,400	200	
205	22.4	176.9	11,100	24.6	184.0	10,500	27.5	193.2	9,500	30.2	200.9	8,500	34.1	211.3	6,900	37.6	219.1	5,400				205	
210	18.5	163.3	10,400	21.0	171.9	9,800	24.4	182.7	8,800	27.3	191.7	7,900	31.6	203.5	6,300	35.3	212.3	4,800				210	
215	13.4	145.3	9,700	16.7	157.0	9,100	20.8	170.5	8,200	24.1	181.1	7,300	28.9	194.7	5,800	32.9	204.8	4,300				215	
220	3.9	110.9	8,000*	10.9	136.1	8,400	16.4	155.3	7,600	20.5	168.7	6,700	25.9	184.9	5,200							220	
225							10.4	133.8	7,000	16.1	153.3	6,100	22.5	173.6	4,700							225	
230										9.8	130.9	5,600	18.5	160.0	4,200								230



Liftcrane Luffing Jib Capacities

New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
184,600 Lb. Crane Counterweight
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360 Degree Rating

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



999 SERIES 2

90 Ft. Boom, 220 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	76.0	311.1	40,400*																65
70	74.6	309.8	39,900*																70
75	73.3	308.3	39,400*																75
80	71.9	306.7	38,900*	72.7	307.5	44,400*													80
85	70.5	305.0	38,400*	71.4	305.8	43,900*													85
90	69.1	303.1	38,000*	70.0	304.1	43,400*													90
95	67.7	301.1	37,500*	68.6	302.1	42,900*	69.9	303.4	41,800*										95
100	66.3	298.9	37,100*	67.2	300.1	40,800	68.5	301.4	38,600										100
105	64.9	296.6	36,700*	65.8	297.9	37,800	67.1	299.4	35,700										105
110	63.4	294.2	36,300*	64.3	295.5	35,100	65.7	297.1	33,100	67.0	298.4	31,200							110
115	61.9	291.6	33,900	62.9	293.0	32,600	64.2	294.8	30,800	65.6	296.2	28,900							115
120	60.5	288.8	31,600	61.4	290.3	30,400	62.8	292.2	28,600	64.1	293.8	26,900							120
125	58.9	285.8	29,500	59.9	287.4	28,400	61.3	289.6	26,700	62.7	291.2	25,000							125
130	57.4	282.7	27,600	58.4	284.4	26,500	59.8	286.7	24,900	61.2	288.5	23,300							130
135	55.8	279.3	25,900	56.8	281.2	24,800	58.3	283.6	23,300	59.7	285.7	21,700	62.0	288.1	19,100				135
140	54.2	275.8	24,200	55.2	277.8	23,200	56.7	280.4	21,700	58.2	282.6	20,200	60.5	285.3	17,800				140
145	52.6	272.0	22,700	53.6	274.2	21,800	55.1	277.0	20,300	56.6	279.4	18,900	59.0	282.3	16,500				145
150	50.9	268.1	21,300	52.0	270.3	20,400	53.5	273.4	19,000	55.0	275.9	17,600	57.4	279.2	15,300				150
155	49.2	263.8	20,000	50.3	266.3	19,100	51.9	269.5	17,800	53.4	272.3	16,400	55.9	275.9	14,200				155
160	47.5	259.3	18,800	48.6	261.9	18,000	50.2	265.4	16,700	51.8	268.4	15,400	54.3	272.3	13,200	56.6	275.0	11,100	160
165	45.7	254.5	17,700	46.8	257.3	16,800	48.5	261.1	15,600	50.1	264.3	14,300	52.6	268.6	12,300	55.0	271.5	10,200	165
170	43.8	249.4	16,600	45.0	252.4	15,800	46.7	256.5	14,600	48.4	259.9	13,400	51.0	264.6	11,400	53.4	267.9	9,400	170
175	41.9	244.0	15,600	43.1	247.2	14,800	44.9	251.5	13,600	46.6	255.3	12,500	49.3	260.4	10,500	51.8	264.0	8,600	175
180	39.9	238.1	14,700	41.2	241.6	13,900	43.0	246.3	12,700	44.7	250.4	11,600	47.5	255.9	9,700	50.1	259.9	7,900	180
185	37.8	231.9	13,800	39.1	235.6	13,000	41.0	240.7	11,900	42.9	245.1	10,800	45.7	251.1	9,000	48.4	255.5	7,200	185
190	35.6	225.1	12,900	37.0	229.1	12,200	39.0	234.6	11,100	40.9	239.4	10,000	43.9	246.0	8,300	46.6	250.9	6,500	190
195	33.3	217.7	12,100	34.8	222.1	11,400	36.9	228.1	10,400	38.8	233.4	9,300	41.9	240.6	7,600	44.8	246.0	5,900	195
200	30.8	209.6	11,300	32.4	214.5	10,700	34.6	221.1	9,600	36.7	226.8	8,600	39.9	234.7	6,900	42.9	240.7	5,300	200
205	28.1	200.6	10,600	29.8	206.1	9,900	32.2	213.4	9,000	34.4	219.8	8,000	37.8	228.4	6,300	40.9	235.1	4,700	205
210	25.2	190.5	9,900	27.1	196.8	9,300	29.7	205.0	8,300	32.0	212.0	7,300	35.6	221.7	5,700	38.9	229.0	4,200	210
215	21.9	178.9	9,200	24.0	186.1	8,600	26.9	195.6	7,700	29.5	203.5	6,700	33.3	214.3	5,200				215
220	18.0	164.8	8,600	20.5	173.7	8,000	23.8	184.8	7,100	26.7	194.0	6,200	30.9	206.2	4,700				220
225	13.0	146.4	8,000	16.3	158.4	7,400	20.3	172.3	6,500	23.6	183.2	5,600	28.2	197.3	4,100				225
230	3.8	111.2	6,400*	10.6	137.0	6,800	16.0	156.7	5,900	20.0	170.5	5,100							230
235							10.1	134.6	5,400	15.7	154.6	4,600							235
240										9.6	131.7	4,000							240

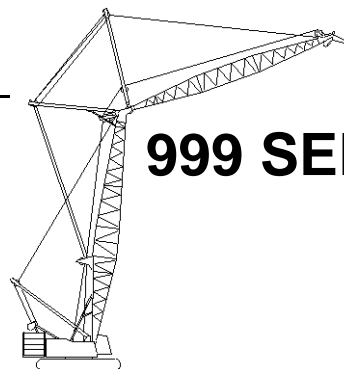


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



90 Ft. Boom, 230 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.3	320.2	37,500*																70
75	74.0	318.8	37,100*																75
80	72.7	317.2	36,700*	73.5	318.0	42,200*													80
85	71.4	315.6	36,300*	72.2	316.4	41,800*													85
90	70.1	313.8	35,900*	70.9	314.7	41,400*													90
95	68.7	311.9	35,500*	69.6	312.9	40,900*	70.8	314.0	40,300*										95
100	67.4	309.8	35,100*	68.2	310.9	40,300	69.5	312.2	38,100										100
105	66.0	307.7	34,700*	66.9	308.8	37,300	68.2	310.2	35,300										105
110	64.7	305.3	34,300*	65.5	306.6	34,600	66.8	308.1	32,700										110
115	63.3	302.9	33,500	64.1	304.2	32,200	65.4	305.8	30,300	66.7	307.1	28,500							115
120	61.9	300.2	31,200	62.7	301.6	30,000	64.1	303.5	28,200	65.3	304.9	26,400							120
125	60.4	297.4	29,100	61.3	299.0	28,000	62.7	300.9	26,300	64.0	302.5	24,600							125
130	59.0	294.5	27,200	59.9	296.1	26,100	61.2	298.2	24,500	62.6	299.9	22,800							130
135	57.5	291.3	25,500	58.4	293.1	24,400	59.8	295.3	22,800	61.1	297.2	21,300							135
140	56.0	288.0	23,800	57.0	289.9	22,800	58.3	292.3	21,300	59.7	294.3	19,800	61.9	296.8	17,300				140
145	54.5	284.5	22,300	55.5	286.5	21,400	56.9	289.1	19,900	58.2	291.3	18,500	60.5	294.0	16,100				145
150	52.9	280.8	20,900	53.9	282.9	20,000	55.4	285.7	18,600	56.8	288.1	17,200	59.0	291.0	14,900				150
155	51.4	276.9	19,600	52.4	279.1	18,700	53.8	282.1	17,400	55.3	284.6	16,000	57.5	287.9	13,800				155
160	49.7	272.7	18,400	50.8	275.1	17,600	52.3	278.3	16,200	53.7	281.0	14,900	56.0	284.6	12,800				160
165	48.1	268.3	17,300	49.1	270.9	16,400	50.7	274.3	15,200	52.1	277.2	13,900	54.5	281.1	11,800	56.8	283.6	9,800	165
170	46.4	263.6	16,200	47.5	266.3	15,400	49.0	270.0	14,200	50.5	273.2	13,000	53.0	277.3	10,900	55.3	280.2	9,000	170
175	44.6	258.7	15,200	45.7	261.6	14,400	47.3	265.5	13,200	48.9	268.9	12,100	51.4	273.4	10,100	53.7	276.6	8,200	175
180	42.8	253.4	14,300	44.0	256.5	13,500	45.6	260.7	12,400	47.2	264.3	11,200	49.8	269.3	9,300	52.2	272.8	7,500	180
185	40.9	247.7	13,400	42.1	251.1	12,600	43.8	255.6	11,500	45.5	259.5	10,400	48.1	264.9	8,600	50.6	268.8	6,800	185
190	39.0	241.7	12,500	40.2	245.3	11,800	42.0	250.1	10,700	43.7	254.4	9,600	46.4	260.2	7,900	48.9	264.5	6,100	190
195	36.9	235.2	11,700	38.2	239.1	11,000	40.1	244.3	10,000	41.9	248.9	8,900	44.6	255.2	7,200	47.2	259.9	5,500	195
200	34.8	228.2	11,000	36.2	232.4	10,300	38.1	238.1	9,300	39.9	243.1	8,200	42.8	249.9	6,500	45.5	255.1	4,900	200
205	32.5	220.6	10,300	34.0	225.2	9,600	36.0	231.4	8,600	38.0	236.8	7,600	41.0	244.3	5,900	43.7	250.0	4,300	205
210	30.1	212.3	9,600	31.6	217.4	8,900	33.8	224.2	7,900	35.9	230.1	7,000	39.0	238.3	5,400				210
215	27.5	203.1	8,900	29.2	208.7	8,300	31.5	216.3	7,300	33.7	222.8	6,400	37.0	231.8	4,800				215
220	24.6	192.7	8,300	26.5	199.1	7,600	29.0	207.6	6,700	31.3	214.8	5,800	34.8	224.8	4,300				220
225	21.4	180.7	7,700	23.5	188.2	7,100	26.3	197.9	6,200	28.8	206.1	5,300							225
230	17.6	166.4	7,100	20.1	175.5	6,500	23.3	186.9	5,600	26.1	196.3	4,700							230
235	12.8	147.5	6,500	16.0	159.8	5,900	19.8	174.0	5,100	23.0	185.2	4,200							235
240	3.7	111.5	5,000*	10.4	137.9	5,400	15.7	158.1	4,600										240
245				9.9	135.5	4,100													245

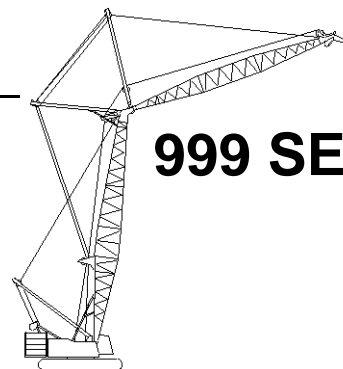


Liftcrane Luffing Jib Capacities

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

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

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



999 SERIES 2

90 Ft. Boom, 240 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.9	330.5	34,100*																70
75	74.7	329.2	33,700*																75
80	73.4	327.7	33,300*																80
85	72.2	326.1	32,900*	73.0	326.9	37,800*													85
90	70.9	324.4	32,500*	71.7	325.3	37,400*													90
95	69.7	322.6	32,100*	70.5	323.5	37,100*													95
100	68.4	320.7	31,800*	69.2	321.7	36,700*	70.4	322.8	36,100*										100
105	67.1	318.6	31,400*	67.9	319.7	36,200*	69.1	321.0	34,700										105
110	65.8	316.4	31,000*	66.6	317.5	34,100	67.8	319.0	32,100										110
115	64.5	314.0	30,700*	65.3	315.3	31,700	66.5	316.8	29,800	67.7	318.0	27,900							115
120	63.1	311.5	30,300*	64.0	312.9	29,500	65.2	314.6	27,600	66.4	315.9	25,800							120
125	61.8	308.9	28,600	62.6	310.3	27,400	63.9	312.1	25,700	65.1	313.6	24,000							125
130	60.4	306.1	26,700	61.3	307.6	25,600	62.5	309.6	23,900	63.8	311.1	22,300							130
135	59.0	303.1	24,900	59.9	304.8	23,900	61.2	306.9	22,300	62.4	308.6	20,700							135
140	57.6	300.0	23,300	58.5	301.7	22,300	59.8	304.0	20,800	61.1	305.9	19,200							140
145	56.2	296.7	21,800	57.1	298.6	20,800	58.4	301.0	19,300	59.7	303.0	17,900	61.8	305.4	15,400				145
150	54.7	293.2	20,400	55.7	295.2	19,500	57.0	297.8	18,000	58.3	299.9	16,600	60.4	302.6	14,300				150
155	53.3	289.6	19,100	54.2	291.6	18,200	55.6	294.4	16,800	56.9	296.7	15,500	59.1	299.7	13,200				155
160	51.7	285.7	17,900	52.7	287.9	17,000	54.1	290.8	15,700	55.5	293.3	14,400	57.6	296.6	12,200				160
165	50.2	281.6	16,800	51.2	283.9	15,900	52.6	287.1	14,600	54.0	289.8	13,300	56.2	293.3	11,200				165
170	48.6	277.3	15,700	49.6	279.8	14,900	51.1	283.1	13,600	52.5	286.0	12,400	54.8	289.8	10,300	56.9	292.3	8,300	170
175	47.0	272.7	14,700	48.0	275.3	13,900	49.5	278.9	12,700	51.0	282.0	11,500	53.3	286.1	9,500	55.5	288.9	7,500	175
180	45.3	267.8	13,800	46.4	270.7	13,000	47.9	274.5	11,800	49.4	277.8	10,600	51.8	282.2	8,700	54.0	285.4	6,800	180
185	43.6	262.7	12,900	44.7	265.7	12,100	46.3	269.8	11,000	47.8	273.3	9,800	50.2	278.1	8,000	52.5	281.6	6,100	185
190	41.9	257.2	12,000	43.0	260.4	11,300	44.6	264.8	10,200	46.2	268.6	9,100	48.6	273.8	7,300	51.0	277.6	5,500	190
195	40.0	251.4	11,200	41.2	254.8	10,500	42.9	259.5	9,400	44.5	263.6	8,400	47.0	269.2	6,600	49.4	273.4	4,800	195
200	38.1	245.2	10,500	39.3	248.9	9,800	41.1	253.9	8,700	42.7	258.3	7,700	45.4	264.4	5,900	47.8	268.9	4,300	200
205	36.1	238.5	9,700	37.4	242.5	9,100	39.2	247.9	8,000	40.9	252.7	7,000	43.7	259.2	5,300				205
210	34.0	231.3	9,100	35.4	235.6	8,400	37.3	241.5	7,400	39.1	246.6	6,400	41.9	253.8	4,800				210
215	31.8	223.5	8,400	33.2	228.2	7,800	35.2	234.6	6,800	37.1	240.2	5,800	40.1	248.0	4,200				215
220	29.5	214.9	7,800	31.0	220.1	7,100	33.1	227.1	6,200	35.1	233.3	5,300							220
225	26.9	205.5	7,200	28.5	211.3	6,600	30.8	219.0	5,600	32.9	225.8	4,700							225
230	24.1	194.8	6,600	25.9	201.4	6,000	28.4	210.1	5,100	30.6	217.6	4,200							230
235	20.9	182.6	6,000	23.0	190.2	5,500	25.7	200.2	4,600										235
240	17.2	167.9	5,500	19.6	177.2	4,900	22.8	188.9	4,100										240
245	12.5	148.6	5,000	15.6	161.2	4,400													245

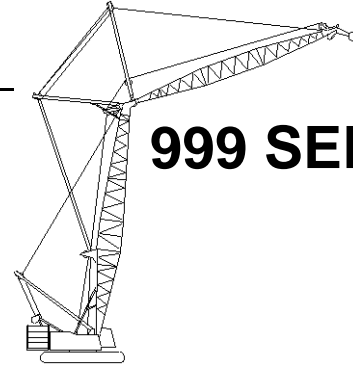


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



100 Ft. Boom, 70 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Elev. Feet	Luffing Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Capacity Pounds	
38	68.1	172.5	138,600*b																			38
40	66.4	171.6	133,600*b																			40
45	61.8	169.1	122,400*b	65.0	170.6	129,400*b																45
50	56.9	166.0	112,800*	60.3	167.9	118,800*b	65.2	170.1	123,300b													50
55	51.8	162.3	104,500*	55.4	164.7	109,700*	60.5	167.4	108,900b	65.3	169.3	105,900b										55
60	46.3	157.8	97,400*	50.2	160.7	99,900	55.6	164.2	97,200	60.7	166.6	94,600b										60
65	40.2	152.3	91,300*	44.6	156.0	90,100	50.4	160.3	87,700	55.8	163.4	85,400										65
70	33.2	145.3	83,300	38.2	150.1	81,900	44.8	155.5	79,800	50.6	159.5	77,600	59.2	163.6	74,100b							70
75	24.4	135.8	76,200	30.8	142.5	75,000	38.5	149.7	73,000	45.0	154.8	71,100	54.3	160.2	67,800							75
80	9.5	118.2	60,300*	21.1	131.7	69,000	31.1	142.2	67,200	38.7	149.0	65,400	48.9	156.1	62,400	57.5	159.7	59,400				80
85							21.6	131.6	62,100	31.4	141.6	60,500	43.2	151.1	57,700	52.5	156.1	55,000				85
90										21.9	131.2	56,100	36.6	144.9	53,600	47.0	151.7	51,000				90
95													28.8	136.8	50,000	41.0	146.3	47,600	50.3	150.9	45,200	95
100													18.1	124.7	46,600	34.1	139.5	44,500	44.7	146.1	42,300	100
105																25.6	130.4	41,600	38.3	140.3	39,600	105
110																12.2	114.9	39,000	30.9	132.7	37,200	110
115																			21.3	122.0	35,000	115

100 Ft. Boom, 80 Ft. Jib

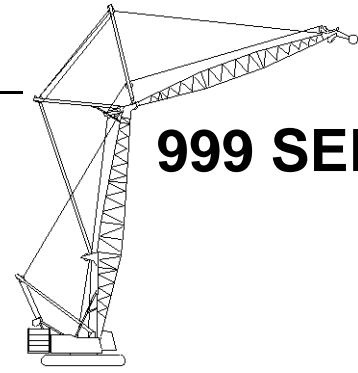
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Elev. Feet	Luffing Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Capacity Pounds	
38	71.0	183.2	134,500*b																			38
40	69.5	182.5	129,700*b																			40
45	65.6	180.3	119,100*b	68.3	181.6	125,900*b																45
50	61.5	177.7	109,900*	64.4	179.3	115,800*b	68.5	181.1	122,900b													50
55	57.3	174.7	101,900*	60.3	176.6	107,100*	64.5	178.8	108,400b													55
60	52.9	171.1	95,000*	56.0	173.4	99,500*	60.4	176.1	96,900	64.6	178.0	94,200b										60
65	48.2	166.8	88,900*	51.5	169.6	89,800	56.2	172.9	87,400	60.6	175.3	84,900										65
70	43.1	161.8	83,100	46.7	165.1	81,700	51.7	169.1	79,400	56.3	172.1	77,200										70
75	37.5	155.7	76,100	41.5	159.8	74,800	46.9	164.7	72,700	51.9	168.4	70,700	59.3	172.3	67,300							75
80	31.0	148.1	70,100	35.6	153.3	68,800	41.7	159.4	67,000	47.1	164.0	65,100	55.0	169.0	61,900							80
85	22.8	137.8	64,800	28.7	145.1	63,700	35.9	153.0	61,900	41.9	158.7	60,200	50.4	165.0	57,300	57.8	168.4	54,400				85
90	8.8	118.9	53,400*	19.6	133.4	59,100	29.0	144.8	57,500	36.1	152.3	55,900	45.6	160.4	53,200	53.4	164.8	50,500				90
95							20.1	133.4	53,600	29.3	144.2	52,100	40.2	154.8	49,600	48.8	160.7	47,100				95
100										20.4	133.0	48,700	34.1	148.0	46,400	43.7	155.7	44,000	51.6	159.7	41,700	100
105													26.9	139.2	43,400	38.2	149.8	41,200	46.8	155.3	39,100	105
110													16.8	126.1	40,800	31.8	142.4	38,700	41.6	150.0	36,700	110
115																23.9	132.5	36,500	35.7	143.5	34,600	115
120																11.4	115.9	34,300	28.8	135.3	32,600	120
125																			19.8	123.7	30,700	125



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

100 Ft. Boom, 90 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	73.2	193.8	130,600*b																			38
40	71.9	193.1	126,200*b																			40
45	68.4	191.2	116,200*b	70.8	192.3	122,700*b																45
50	65.0	189.0	107,400*	67.4	190.3	113,200*b	71.0	191.8	122,200*b													50
55	61.4	186.4	99,800*	63.9	188.0	104,900*	67.5	189.8	108,200b													55
60	57.6	183.3	93,100*	60.3	185.2	97,600*	64.0	187.5	96,600	67.6	189.0	93,800b										60
65	53.7	179.8	87,100*	56.5	182.1	89,600	60.4	184.7	87,100	64.1	186.7	84,600										65
70	49.6	175.8	81,900*	52.5	178.4	81,500	56.6	181.6	79,200	60.5	184.0	76,900										70
75	45.3	171.0	76,000	48.3	174.1	74,600	52.7	177.9	72,500	56.8	180.8	70,400										75
80	40.5	165.5	70,000	43.9	169.2	68,700	48.5	173.7	66,700	52.8	177.2	64,800	59.4	181.0	61,600							80
85	35.2	158.9	64,700	39.0	163.4	63,500	44.1	168.8	61,700	48.7	173.0	59,900	55.6	177.7	57,000							85
90	29.1	150.7	60,100	33.5	156.3	59,000	39.2	163.0	57,400	44.2	168.1	55,700	51.6	173.9	52,900							90
95	21.4	139.7	56,000	27.0	147.5	55,000	33.7	156.0	53,500	39.3	162.3	51,900	47.3	169.5	49,300	54.2	173.6	46,700				95
100	8.2	119.6	46,600*	18.5	135.0	51,400	27.3	147.2	50,000	33.9	155.4	48,600	42.8	164.3	46,100	50.1	169.6	43,700				100
105							18.9	135.0	46,900	27.5	146.7	45,500	37.8	158.3	43,200	45.8	165.0	41,000	52.6	168.5	38,700	105
110										19.2	134.6	42,800	32.1	150.9	40,600	41.1	159.5	38,500	48.4	164.3	36,400	110
115													25.3	141.4	38,300	35.9	153.0	36,200	43.9	159.4	34,300	115
120													15.8	127.4	36,000	29.9	145.1	34,200	39.1	153.5	32,300	120
125																22.4	134.5	32,300	33.6	146.5	30,500	125
130																10.7	116.7	30,500	27.1	137.7	28,900	130
135																			18.6	125.4	27,300	135

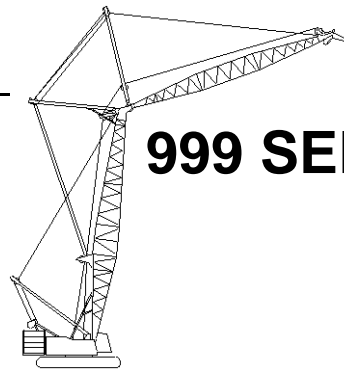


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



100 Ft. Boom, 100 Ft. Jib

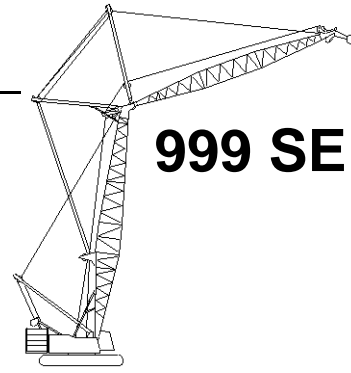
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
38	74.9	204.2	126,300*b																			38
40	73.7	203.6	122,300*b																			40
45	70.7	202.0	112,900*b	72.8	202.9	119,100*b																45
50	67.6	200.0	104,600*	69.8	201.1	110,100*																50
55	64.5	197.7	97,300*	66.7	199.1	102,300*	69.9	200.6	107,700													55
60	61.2	195.0	90,800*	63.5	196.7	95,300*	66.8	198.5	96,100													60
65	57.9	192.0	85,100*	60.2	193.9	89,100*	63.6	196.2	86,700	66.9	197.7	84,100										65
70	54.4	188.6	80,000*	56.8	190.8	81,100	60.4	193.4	78,800	63.7	195.3	76,400										70
75	50.8	184.6	75,400*	53.3	187.2	74,200	57.0	190.3	72,100	60.5	192.6	69,900										75
80	46.9	180.2	69,700	49.6	183.1	68,300	53.5	186.7	66,300	57.1	189.5	64,300	62.7	192.5	61,000							80
85	42.8	175.0	64,400	45.7	178.4	63,200	49.8	182.6	61,400	53.6	185.9	59,500	59.4	189.6	56,400							85
90	38.3	169.0	59,900	41.5	173.0	58,700	45.9	178.0	57,000	49.9	181.9	55,300	56.0	186.4	52,400							90
95	33.3	161.9	55,800	36.9	166.7	54,700	41.7	172.6	53,100	46.0	177.3	51,500	52.5	182.7	48,800							95
100	27.5	153.1	52,200	31.7	159.2	51,200	37.1	166.4	49,700	41.8	171.9	48,200	48.7	178.5	45,600	54.8	182.3	43,100				100
105	20.3	141.4	48,900	25.5	149.7	48,000	31.9	158.9	46,600	37.2	165.7	45,200	44.7	173.6	42,800	51.2	178.5	40,400				105
110	7.7	120.2	40,700*	17.5	136.5	45,100	25.8	149.5	43,800	32.1	158.3	42,400	40.4	168.0	40,200	47.4	174.0	38,000				110
115							17.9	136.6	41,200				35.7	161.5	37,900	43.3	169.0	35,800	49.7	173.2	33,700	115
120													30.4	153.6	35,700	38.9	163.1	33,700	45.8	168.6	31,800	120
125													23.9	143.5	33,700	33.9	156.1	31,900	41.5	163.2	30,000	125
130													15.0	128.7	31,900	28.3	147.6	30,100	36.9	156.9	28,400	130
135																21.2	136.4	28,500	31.8	149.4	26,900	135
140																10.1	117.6	27,000	25.7	140.0	25,500	140
145																			17.6	126.9	24,100	145



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

100 Ft. Boom, 110 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.2	214.1	118,000*																			40
45	72.5	212.5	109,500*																			45
50	69.8	210.8	101,700*	71.7	211.8	107,100*																50
55	66.9	208.7	94,800*	68.9	209.9	99,700*																55
60	64.1	206.4	88,700*	66.1	207.8	93,000*	69.0	209.4	96,000													60
65	61.1	203.7	83,200*	63.2	205.3	87,100*	66.2	207.3	86,500													65
70	58.1	200.7	78,200*	60.2	202.6	81,000	63.3	204.8	78,700	66.3	206.4	76,300										70
75	54.9	197.3	73,800*	57.1	199.4	74,200	60.3	202.1	72,000	63.4	204.0	69,800										75
80	51.7	193.5	69,600	53.9	195.9	68,300	57.3	199.0	66,200	60.4	201.3	64,200										80
85	48.2	189.2	64,400	50.6	192.0	63,200	54.1	195.5	61,300	57.4	198.2	59,400	62.5	201.1	56,300							85
90	44.6	184.3	59,800	47.1	187.5	58,700	50.8	191.5	56,900	54.2	194.7	55,200	59.5	198.3	52,300							90
95	40.7	178.7	55,800	43.4	182.4	54,700	47.3	187.1	53,100	50.9	190.8	51,400	56.4	195.1	48,700							95
100	36.4	172.3	52,200	39.4	176.6	51,200	43.6	182.0	49,600	47.4	186.3	48,100	53.2	191.5	45,500							100
105	31.7	164.7	49,000	35.1	169.9	48,000	39.6	176.3	46,600	43.7	181.3	45,100	49.8	187.4	42,700	55.3	191.1	40,300				105
110	26.2	155.4	46,100	30.1	161.9	45,200	35.2	169.6	43,800	39.7	175.6	42,400	46.3	182.8	40,100	52.0	187.3	37,800				110
115	19.3	143.1	43,400	24.3	151.9	42,600	30.3	161.6	41,300	35.4	168.9	40,000	42.5	177.6	37,800	48.6	183.0	35,600				115
120	7.3	120.8	36,100*	16.6	138.0	40,100	24.6	151.7	38,900	30.5	161.0	37,700	38.5	171.6	35,700	45.0	178.2	33,600	50.7	182.1	31,600	120
125							17.0	138.0	36,800	24.8	151.2	35,700	34.0	164.6	33,700	41.1	172.8	31,800	47.2	177.7	29,900	125
130										17.3	137.7	33,700	28.9	156.2	31,900	37.0	166.4	30,100	43.5	172.6	28,300	130
135													22.7	145.5	30,200	32.3	159.0	28,500	39.5	166.8	26,800	135
140													14.2	129.9	28,700	26.9	150.0	27,000	35.1	160.1	25,400	140
145																20.2	138.1	25,700	30.2	152.1	24,100	145
150																9.6	118.4	24,300	24.4	142.1	22,900	150
155																			16.8	128.3	21,700	155

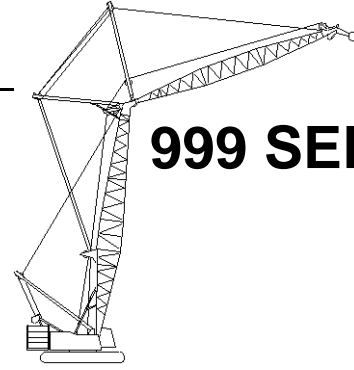


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



100 Ft. Boom, 120 Ft. Jib

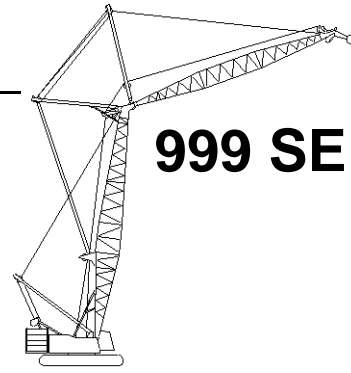
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.0	223.0	106,000*																			45
50	71.5	221.4	98,800*	73.3	222.3	103,800*																50
55	69.0	219.6	92,300*	70.8	220.6	96,900*																55
60	66.4	217.4	86,400*	68.2	218.7	90,700*	70.9	220.1	95,500													60
65	63.7	215.1	81,100*	65.6	216.5	84,900*	68.3	218.1	86,100													65
70	61.0	212.4	76,400*	62.9	214.0	79,800*	65.7	216.0	78,200													70
75	58.2	209.4	72,100*	60.2	211.2	73,800	63.0	213.5	71,500	65.8	215.1	69,300										75
80	55.4	206.0	68,200*	57.4	208.1	67,900	60.3	210.7	65,800	63.1	212.7	63,700										80
85	52.4	202.3	64,100	54.5	204.7	62,800	57.5	207.6	60,800	60.4	209.9	58,900										85
90	49.3	198.1	59,500	51.5	200.8	58,300	54.6	204.2	56,500	57.6	206.9	54,700	62.3	209.8	51,700							90
95	46.0	193.5	55,500	48.3	196.5	54,300	51.6	200.3	52,600	54.7	203.4	51,000	59.5	206.9	48,200							95
100	42.6	188.2	51,900	45.0	191.7	50,800	48.4	196.1	49,200	51.7	199.6	47,600	56.7	203.8	45,000							100
105	38.9	182.3	48,700	41.5	186.2	47,700	45.1	191.3	46,200	48.5	195.3	44,700	53.8	200.2	42,200							105
110	34.8	175.5	45,800	37.7	180.1	44,800	41.6	185.9	43,400	45.2	190.5	42,000	50.7	196.3	39,600	55.7	199.8	37,300				110
115	30.3	167.4	43,100	33.5	172.9	42,200	37.8	179.7	40,900	41.7	185.1	39,500	47.6	191.8	37,300	52.7	196.1	35,100				115
120	25.0	157.6	40,700	28.8	164.4	39,900	33.7	172.6	38,600	38.0	179.0	37,300	44.2	186.9	35,200	49.6	192.0	33,100				120
125	18.4	144.7	38,500	23.2	153.9	37,700	29.0	164.2	36,500	33.8	172.0	35,300	40.6	181.3	33,300	46.4	187.4	31,300	51.5	191.0	29,300	125
130	7.0	121.4	31,900*	15.9	139.3	35,700	23.5	153.8	34,600	29.2	163.6	33,400	36.7	174.9	31,500	43.0	182.2	29,600	48.4	186.7	27,700	130
135							16.2	139.4	32,800	23.7	153.2	31,700	32.5	167.5	29,800	39.3	176.4	28,000	45.0	181.8	26,200	135
140										16.5	139.1	30,000	27.6	158.6	28,300	35.3	169.6	26,600	41.5	176.4	24,900	140
145													21.7	147.4	26,900	30.9	161.8	25,200	37.7	170.2	23,600	145
150													13.6	131.1	25,500	25.7	152.2	24,000	33.6	163.1	22,400	150
155																19.3	139.8	22,800	28.9	154.7	21,300	155
160																9.1	119.1	21,600	23.3	144.2	20,300	160
165																			16.0	129.7	19,200	165



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

100 Ft. Boom, 130 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.3	233.4	101,300*																			45
50	73.0	231.9	96,000*																			50
55	70.7	230.3	90,000*	72.3	231.2	94,400*																55
60	68.3	228.3	84,400*	70.0	229.4	88,500*																60
65	65.9	226.2	79,400*	67.6	227.4	83,200*	70.0	228.9	85,700													65
70	63.5	223.7	74,800*	65.2	225.2	78,200*	67.7	226.9	77,900													70
75	60.9	221.0	70,700*	62.7	222.7	73,500	65.3	224.7	71,200	67.8	226.1	68,900										75
80	58.4	218.0	66,900*	60.2	219.9	67,600	62.8	222.2	65,500	65.3	223.8	63,400										80
85	55.7	214.7	63,500*	57.6	216.8	62,500	60.3	219.4	60,500	62.9	221.4	58,600										85
90	53.0	211.1	59,200	54.9	213.4	58,000	57.7	216.3	56,200	60.4	218.6	54,300										90
95	50.2	207.0	55,200	52.2	209.6	54,100	55.0	212.9	52,300	57.8	215.5	50,600	62.1	218.5	47,800							95
100	47.2	202.5	51,600	49.3	205.4	50,500	52.3	209.2	48,900	55.1	212.1	47,300	59.6	215.6	44,600							100
105	44.1	197.5	48,400	46.3	200.8	47,400	49.4	205.0	45,900	52.4	208.4	44,300	57.0	212.4	41,800							105
110	40.8	192.0	45,500	43.1	195.7	44,600	46.4	200.4	43,100	49.5	204.2	41,700	54.3	209.0	39,300							110
115	37.3	185.7	42,900	39.7	189.9	42,000	43.2	195.3	40,600	46.5	199.7	39,200	51.5	205.1	36,900	56.0	208.5	34,700				115
120	33.4	178.5	40,200*	36.1	183.3	39,600	39.9	189.5	38,300	43.3	194.5	37,000	48.6	200.8	34,800	53.3	204.8	32,700				120
125	29.1	170.0	37,800*	32.1	175.8	37,500	36.3	183.0	36,200	40.0	188.8	35,000	45.6	196.1	32,900	50.5	200.8	30,900				125
130	24.0	159.8	35,900*	27.6	166.9	35,500	32.3	175.5	34,300	36.4	182.3	33,100	42.4	190.8	31,200	47.6	196.4	29,200	52.2	199.8	27,300	130
135	17.7	146.2	34,400*	22.3	155.9	33,700	27.8	166.7	32,600	32.4	174.9	31,400	38.9	184.8	29,500	44.5	191.5	27,700	49.3	195.6	25,800	135
140	6.7	121.9	28,200*	15.2	140.6	32,000	22.5	155.7	30,900	28.0	166.1	29,800	35.2	178.1	28,000	41.2	186.0	26,200	46.3	191.0	24,500	140
145							15.6	140.8	29,300	22.7	155.2	28,300	31.1	170.3	26,600	37.7	179.8	24,900	43.2	185.8	23,200	145
150										15.8	140.5	26,900	26.5	161.0	25,300	33.9	172.7	23,700	39.8	180.1	22,100	150
155													20.9	149.2	24,100	29.6	164.4	22,500	36.2	173.5	21,000	155
160													13.0	132.2	22,900	24.7	154.4	21,400	32.2	166.0	19,900	160
165																18.5	141.4	20,400	27.7	157.1	19,000	165
170																8.7	119.9	19,300	22.4	146.1	18,000	170
175																			15.4	131.0	17,200	175

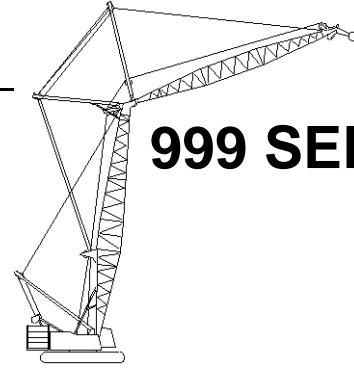


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



100 Ft. Boom, 140 Ft. Jib

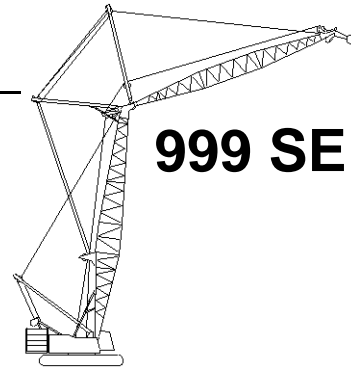
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.2	242.4	90,200*																			50
55	72.1	240.8	87,300*	73.6	241.7	91,300*																55
60	69.9	239.1	82,100*	71.4	240.1	85,900*																60
65	67.7	237.1	77,300*	69.3	238.2	80,900*																65
70	65.5	234.9	73,000*	67.0	236.2	76,300*	69.4	237.7	77,400													70
75	63.2	232.4	69,000*	64.8	233.9	72,000*	67.1	235.6	70,700													75
80	60.9	229.7	65,300*	62.5	231.3	67,200	64.9	233.4	65,000	67.2	234.8	62,900										80
85	58.5	226.7	62,000*	60.2	228.5	62,100	62.6	230.8	60,100	65.0	232.5	58,100										85
90	56.0	223.4	58,900	57.8	225.5	57,600	60.3	228.0	55,700	62.7	230.0	53,900										90
95	53.5	219.8	54,800	55.3	222.1	53,700	57.9	225.0	51,900	60.3	227.2	50,100										95
100	50.9	215.9	51,300	52.7	218.4	50,100	55.4	221.6	48,500	57.9	224.2	46,800	62.0	227.1	44,100							100
105	48.2	211.5	48,100	50.1	214.3	47,000	52.8	217.9	45,400	55.5	220.8	43,900	59.6	224.3	41,300							105
110	45.4	206.7	45,200	47.4	209.9	44,200	50.2	213.9	42,700	52.9	217.2	41,200	57.2	221.1	38,700							110
115	42.4	201.5	42,600	44.5	204.9	41,600	47.5	209.4	40,200	50.3	213.1	38,800	54.7	217.7	36,400							115
120	39.2	195.6	40,100*	41.5	199.5	39,300	44.6	204.5	37,900	47.6	208.7	36,600	52.1	213.9	34,300	56.3	217.2	32,200				120
125	35.8	188.9	37,600*	38.2	193.4	37,100	41.6	199.1	35,800	44.7	203.8	34,600	49.5	209.7	32,400	53.8	213.6	30,300				125
130	32.1	181.4	35,300*	34.7	186.5	35,200	38.4	193.0	33,900	41.7	198.4	32,700	46.7	205.2	30,700	51.2	209.7	28,700				130
135	28.0	172.5	33,400*	30.9	178.6	33,300	34.9	186.1	32,200	38.5	192.3	31,000	43.8	200.1	29,100	48.5	205.4	27,100	52.8	208.5	25,300	135
140	23.1	161.8	31,800*	26.6	169.2	31,700	31.1	178.3	30,500	35.0	185.5	29,400	40.7	194.5	27,600	45.7	200.7	25,700	50.2	204.5	23,900	140
145	17.0	147.7	30,500*	21.4	157.7	30,100	26.8	169.0	29,000	31.2	177.7	28,000	37.4	188.2	26,200	42.7	195.4	24,400	47.4	200.0	22,700	145
150	6.4	122.4	24,900*	14.6	141.9	28,600	21.7	157.6	27,600	26.9	168.5	26,600	33.9	181.1	24,900	39.6	189.6	23,200	44.5	195.1	21,500	150
155							15.0	142.1	26,300	21.9	157.2	25,300	30.0	172.9	23,700	36.2	183.1	22,000	41.5	189.6	20,400	155
160										15.2	141.8	24,100	25.5	163.2	22,500	32.6	175.6	21,000	38.3	183.5	19,400	160
165													20.1	151.0	21,400	28.5	167.0	19,900	34.8	176.7	18,500	165
170													12.5	133.3	20,400	23.7	156.5	19,000	31.0	168.8	17,600	170
175																17.8	142.9	18,100	26.7	159.5	16,700	175
180																8.4	120.5	17,200	21.5	148.0	15,900	180
185																			14.8	132.3	15,100	185



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

100 Ft. Boom, 150 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.3	252.8	81,500*																			50
55	73.3	251.3	80,400*																			55
60	71.3	249.7	79,300*	72.7	250.6	83,200*																60
65	69.3	247.9	75,200*	70.7	248.9	78,600*																65
70	67.2	245.8	71,100*	68.7	247.0	74,300*	70.8	248.4	77,200													70
75	65.1	243.6	67,300*	66.6	244.9	70,300*	68.7	246.5	70,600													75
80	63.0	241.1	63,800*	64.5	242.6	66,500*	66.7	244.4	64,800													80
85	60.8	238.3	60,600*	62.3	240.0	61,900	64.6	242.0	59,900	66.7	243.5	57,900										85
90	58.6	235.4	57,700*	60.2	237.2	57,400	62.4	239.5	55,600	64.6	241.2	53,700										90
95	56.3	232.1	54,700	57.9	234.1	53,500	60.2	236.7	51,700	62.5	238.7	50,000										95
100	54.0	228.6	51,100	55.6	230.8	50,000	58.0	233.7	48,300	60.3	235.9	46,700										100
105	51.6	224.7	47,900	53.3	227.2	46,900	55.7	230.3	45,300	58.1	232.9	43,700	61.8	235.8	41,100							105
110	49.1	220.5	45,000	50.8	223.2	44,000	53.3	226.7	42,500	55.8	229.6	41,000	59.6	232.9	38,600							110
115	46.5	215.9	42,400	48.3	218.9	41,500	50.9	222.7	40,000	53.4	225.9	38,600	57.4	229.8	36,300							115
120	43.7	210.8	40,000	45.6	214.1	39,100	48.4	218.4	37,800	51.0	222.0	36,400	55.1	226.4	34,200							120
125	40.9	205.2	37,700*	42.9	208.9	37,000	45.8	213.7	35,700	48.5	217.7	34,400	52.7	222.7	32,300	56.6	225.8	30,200				125
130	37.8	199.0	35,400*	40.0	203.1	35,000	43.0	208.5	33,800	45.8	213.0	32,600	50.2	218.6	30,500	54.3	222.3	28,500				130
135	34.6	192.0	33,400*	36.9	196.7	33,200	40.1	202.8	32,000	43.1	207.8	30,900	47.7	214.2	28,900	51.8	218.5	27,000				135
140	31.0	184.1	31,500*	33.5	189.5	31,600	37.0	196.4	30,400	40.2	202.1	29,300	45.0	209.4	27,400	49.4	214.3	25,600				140
145	27.0	174.9	29,900*	29.8	181.2	30,000	33.7	189.2	28,900	37.1	195.7	27,800	42.2	204.0	26,000	46.8	209.8	24,200	50.9	213.3	22,500	145
150	22.3	163.8	28,700*	25.6	171.5	28,600	30.0	181.0	27,500	33.8	188.5	26,500	39.3	198.1	24,700	44.1	204.7	23,000	48.3	209.0	21,400	150
155	16.4	149.1	27,200*	20.7	159.5	27,200	25.8	171.3	26,200	30.1	180.4	25,200	36.1	191.5	23,500	41.2	199.2	21,900	45.7	204.3	20,300	155
160	6.2	122.9	22,200*	14.1	143.1	25,900	20.9	159.5	25,000	26.0	170.8	24,000	32.7	184.1	22,400	38.2	193.1	20,800	42.9	199.1	19,300	160
165							14.4	143.3	23,800	21.1	159.0	22,900	28.9	175.5	21,300	35.0	186.2	19,800	40.0	193.3	18,300	165
170										14.7	143.1	21,800	24.6	165.4	20,300	31.4	178.4	18,900	36.9	186.9	17,400	170
175													19.4	152.7	19,400	27.5	169.4	18,000	33.6	179.7	16,600	175
180													12.1	134.3	18,500	22.9	158.5	17,100	29.9	171.4	15,800	180
185																17.2	144.4	16,300	25.7	161.8	15,000	185
190																8.1	121.2	15,500	20.8	149.8	14,300	190
195																			14.3	133.5	13,600	195

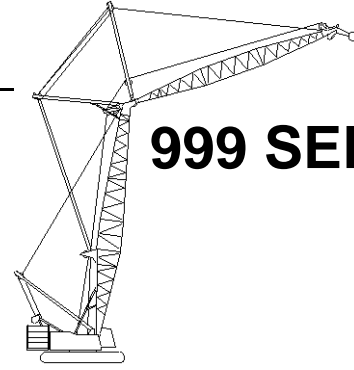


Liftcrane Luffing Jib Capacities

999 SERIES 2

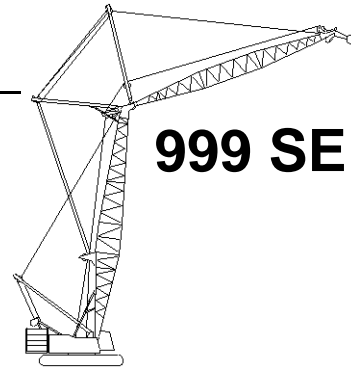
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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



100 Ft. Boom, 160 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.4	261.8	73,000*																			55
60	72.5	260.2	72,000*	73.8	261.1	80,400*																60
65	70.6	258.5	71,100*	72.0	259.5	76,200*																65
70	68.7	256.6	69,100*	70.1	257.7	71,700																70
75	66.8	254.5	65,500*	68.1	255.8	65,200	70.1	257.2	62,100													75
80	64.8	252.3	61,500	66.2	253.6	59,600	68.2	255.2	56,700													80
85	62.8	249.7	56,500	64.2	251.3	54,700	66.3	253.1	52,100													85
90	60.8	247.0	52,200	62.2	248.7	50,500	64.3	250.7	48,000	66.3	252.3	45,500										90
95	58.7	244.0	48,300	60.1	245.9	46,700	62.3	248.2	44,400	64.4	249.9	42,000										95
100	56.6	240.8	44,900	58.0	242.8	43,400	60.2	245.4	41,200	62.3	247.4	39,000										100
105	54.4	237.3	41,800	55.9	239.5	40,400	58.1	242.3	38,300	60.3	244.6	36,200										105
110	52.1	233.5	39,100	53.7	235.9	37,700	56.0	239.0	35,700	58.2	241.5	33,700	61.7	244.5	30,400							110
115	49.8	229.4	36,600	51.4	232.0	35,300	53.8	235.5	33,400	56.1	238.3	31,500	59.7	241.6	28,400							115
120	47.4	224.9	34,300	49.1	227.8	33,100	51.5	231.6	31,300	53.9	234.7	29,400	57.5	238.5	26,400							120
125	44.9	220.0	32,200	46.6	223.2	31,000	49.2	227.4	29,300	51.6	230.8	27,600	55.4	235.1	24,700							125
130	42.3	214.7	30,300	44.1	218.2	29,200	46.7	222.8	27,500	49.3	226.6	25,900	53.2	231.5	23,100	56.8	234.5	20,400				130
135	39.5	208.8	28,500	41.5	212.7	27,500	44.2	217.8	25,900	46.8	222.0	24,300	50.9	227.5	21,600	54.6	231.1	19,100				135
140	36.6	202.3	26,900	38.6	206.7	25,900	41.6	212.3	24,300	44.3	217.1	22,800	48.5	223.2	20,300	52.4	227.3	17,800				140
145	33.4	195.1	25,400	35.6	199.9	24,400	38.8	206.3	22,900	41.6	211.6	21,500	46.1	218.5	19,000	50.1	223.2	16,600				145
150	30.0	186.8	24,000	32.4	192.4	23,000	35.8	199.6	21,600	38.8	205.6	20,200	43.5	213.4	17,900	47.7	218.8	15,600	51.5	222.2	13,300	150
155	26.1	177.2	22,600	28.8	183.8	21,700	32.5	192.1	20,400	35.9	198.9	19,000	40.8	207.8	16,800	45.2	213.9	14,500	49.1	218.0	12,400	155
160	21.6	165.7	21,400	24.8	173.7	20,500	29.0	183.5	19,200	32.6	191.5	17,900	38.0	201.6	15,700	42.6	208.7	13,600	46.7	213.4	11,500	160
165	15.9	150.5	20,200	20.0	161.3	19,400	25.0	173.5	18,100	29.1	183.0	16,800	34.9	194.7	14,800	39.8	202.9	12,700	44.2	208.4	10,700	165
170	6.0	123.4	19,000	13.7	144.3	18,200	20.2	161.2	17,100	25.1	173.0	15,900	31.6	186.9	13,900	36.9	196.4	11,900	41.5	202.9	9,900	170
175							14.0	144.5	16,100	20.4	160.8	14,900	27.9	178.0	13,000	33.8	189.3	11,100	38.7	196.8	9,200	175
180										14.2	144.3	14,000	23.8	167.5	12,200	30.4	181.2	10,300	35.7	190.1	8,500	180
185													18.7	154.3	11,400	26.6	171.8	9,600	32.5	182.6	7,900	185
190													11.7	135.3	10,600	22.1	160.5	8,900	28.9	174.0	7,200	190
195																16.6	145.9	8,200	24.9	164.0	6,600	195
200																7.8	121.9	7,600	20.1	151.6	6,000	200
205																			13.8	134.7	5,500	205



Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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

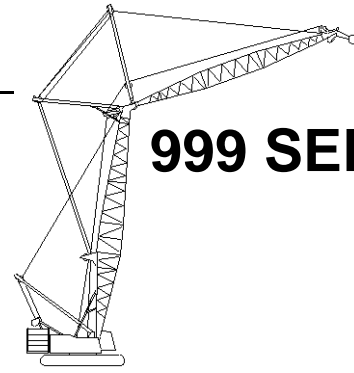
Designed And Tested
With The Intent To Be In
The Scope of ANSI B30.5

100 Ft. Boom, 170 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.3	272.2	65,900*																			55
60	73.6	270.7	65,600*																			60
65	71.8	269.1	64,800*	73.1	270.0	73,900*																65
70	70.0	267.4	64,000*	71.3	268.3	70,200*																70
75	68.2	265.4	63,200*	69.5	266.5	64,700																75
80	66.4	263.3	60,800*	67.7	264.5	59,100	69.6	266.0	56,200													80
85	64.5	260.9	56,100	65.8	262.3	54,300	67.7	264.0	51,600													85
90	62.6	258.4	51,700	64.0	259.9	50,000	65.9	261.8	47,500	67.8	263.2	45,000										90
95	60.7	255.7	47,900	62.1	257.3	46,300	64.0	259.4	43,900	66.0	261.0	41,500										95
100	58.8	252.7	44,500	60.1	254.5	43,000	62.1	256.8	40,700	64.1	258.6	38,500										100
105	56.8	249.5	41,400	58.2	251.5	40,000	60.2	254.0	37,800	62.2	256.0	35,700										105
110	54.7	246.0	38,600	56.1	248.2	37,300	58.2	251.0	35,300	60.3	253.2	33,200										110
115	52.6	242.3	36,100	54.1	244.7	34,800	56.2	247.7	32,900	58.3	250.2	31,000	61.6	253.1	27,800							115
120	50.4	238.3	33,900	52.0	240.8	32,600	54.2	244.2	30,800	56.3	246.9	29,000	59.7	250.3	25,900							120
125	48.2	233.9	31,800	49.8	236.7	30,600	52.0	240.4	28,800	54.2	243.4	27,100	57.7	247.2	24,200							125
130	45.9	229.2	29,900	47.5	232.2	28,700	49.9	236.3	27,100	52.1	239.6	25,400	55.7	243.8	22,600							130
135	43.5	224.0	28,100	45.2	227.4	27,000	47.6	231.8	25,400	49.9	235.5	23,800	53.6	240.2	21,100	57.0	243.2	18,500				135
140	40.9	218.4	26,500	42.7	222.1	25,400	45.3	227.0	23,900	47.7	231.1	22,300	51.5	236.3	19,800	55.0	239.8	17,300				140
145	38.3	212.3	25,000	40.1	216.4	24,000	42.8	221.7	22,500	45.3	226.2	21,000	49.3	232.1	18,500	52.9	236.1	16,100				145
150	35.4	205.5	23,600	37.4	210.1	22,600	40.3	216.0	21,200	42.9	221.0	19,700	47.0	227.6	17,400	50.7	232.1	15,000				150
155	32.4	198.0	22,200	34.5	203.1	21,300	37.5	209.7	19,900	40.3	215.3	18,600	44.6	222.6	16,300	48.5	227.8	14,000	52.0	231.0	11,900	155
160	29.0	189.4	21,000	31.4	195.2	20,100	34.7	202.7	18,800	37.6	209.0	17,500	42.1	217.2	15,300	46.2	223.1	13,100	49.8	226.9	11,000	160
165	25.3	179.5	19,800	27.9	186.3	19,000	31.5	194.9	17,700	34.7	202.1	16,400	39.5	211.4	14,300	43.8	218.0	12,200	47.5	222.4	10,200	165
170	20.9	167.5	18,700	24.0	175.8	17,900	28.1	186.0	16,700	31.6	194.3	15,400	36.8	204.9	13,400	41.2	212.4	11,400	45.2	217.6	9,400	170
175	15.4	151.8	17,700	19.4	163.0	16,900	24.2	175.7	15,700	28.2	185.5	14,500	33.8	197.7	12,500	38.6	206.4	10,600	42.8	212.3	8,700	175
180	5.8	123.9	16,600	13.2	145.4	15,900	19.6	163.0	14,800	24.3	175.1	13,600	30.6	189.7	11,700	35.8	199.7	9,800	40.2	206.5	8,000	180
185							13.5	145.7	13,900	19.8	162.5	12,800	27.1	180.4	11,000	32.7	192.2	9,100	37.5	200.2	7,400	185
190										13.8	145.5	12,000	23.0	169.5	10,200	29.4	183.8	8,500	34.6	193.3	6,700	190
195													18.1	155.9	9,500	25.7	174.0	7,800	31.5	185.4	6,200	195
200													11.3	136.3	8,800	21.5	162.4	7,200	28.0	176.5	5,600	200
205																16.1	147.3	6,600	24.1	166.1	5,100	205
210																7.6	122.5	6,000	19.5	153.3	4,500	210
215																			13.4	135.9	4,000	215



Liftcrane Luffing Jib Capacities



999 SERIES 2

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

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

100 Ft. Boom, 180 Ft. Jib

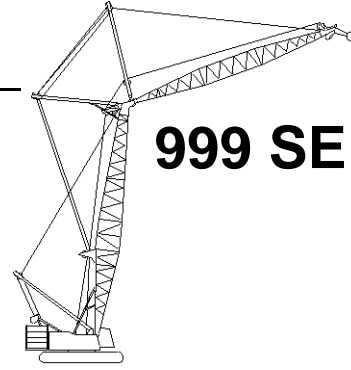
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.5	281.1	59,000*																			60
65	72.9	279.6	58,600*	74.0	280.4	66,800*																65
70	71.2	278.0	58,200*	72.4	278.9	66,400*																70
75	69.5	276.2	57,600*	70.7	277.2	64,200																75
80	67.8	274.2	56,900*	69.0	275.3	58,600	70.7	276.6	55,600													80
85	66.0	272.0	55,600	67.3	273.3	53,700	69.0	274.8	51,000													85
90	64.3	269.6	51,200	65.5	271.0	49,500	67.3	272.7	46,900													90
95	62.5	267.1	47,400	63.7	268.6	45,700	65.6	270.5	43,300	67.4	271.9	40,900										95
100	60.7	264.3	43,900	62.0	266.0	42,400	63.8	268.1	40,100	65.6	269.7	37,800										100
105	58.8	261.4	40,900	60.1	263.2	39,400	62.0	265.5	37,200	63.9	267.3	35,100										105
110	56.9	258.2	38,100	58.3	260.2	36,700	60.2	262.7	34,700	62.1	264.7	32,600										110
115	55.0	254.7	35,600	56.4	256.9	34,300	58.3	259.7	32,300	60.3	261.9	30,400										115
120	53.0	251.1	33,300	54.4	253.4	32,100	56.4	256.4	30,200	58.4	258.9	28,300	61.5	261.8	25,200							120
125	51.0	247.1	31,300	52.4	249.6	30,100	54.5	252.9	28,300	56.5	255.6	26,500	59.7	258.9	23,500							125
130	48.9	242.8	29,400	50.4	245.6	28,200	52.5	249.2	26,500	54.6	252.1	24,800	57.8	255.8	21,900							130
135	46.8	238.2	27,600	48.3	241.2	26,500	50.5	245.1	24,800	52.6	248.4	23,200	55.9	252.5	20,500							135
140	44.5	233.3	26,000	46.1	236.5	24,900	48.4	240.8	23,300	50.5	244.4	21,700	54.0	249.0	19,100	57.2	251.9	16,600				140
145	42.2	227.9	24,500	43.8	231.4	23,400	46.2	236.1	21,900	48.4	240.0	20,400	52.0	245.1	17,900	55.2	248.5	15,400				145
150	39.7	222.1	23,100	41.4	225.9	22,100	43.9	231.0	20,600	46.2	235.4	19,100	49.9	241.0	16,700	53.3	244.8	14,300				150
155	37.1	215.7	21,700	39.0	219.9	20,800	41.5	225.5	19,400	44.0	230.3	18,000	47.8	236.6	15,600	51.2	240.9	13,300				155
160	34.4	208.6	20,500	36.3	213.3	19,600	39.1	219.6	18,200	41.6	224.8	16,900	45.6	231.8	14,600	49.2	236.7	12,400	52.5	239.8	10,300	160
165	31.4	200.8	19,400	33.5	206.1	18,500	36.4	213.0	17,200	39.1	218.9	15,800	43.3	226.6	13,700	47.0	232.1	11,500	50.4	235.7	9,400	165
170	28.2	191.9	18,300	30.5	197.9	17,400	33.6	205.8	16,200	36.5	212.3	14,900	40.9	221.0	12,800	44.8	227.2	10,700	48.3	231.4	8,700	170
175	24.6	181.6	17,200	27.1	188.7	16,400	30.6	197.7	15,200	33.7	205.1	14,000	38.4	214.9	11,900	42.5	221.9	9,900	46.1	226.7	8,000	175
180	20.3	169.3	16,300	23.3	177.9	15,500	27.3	188.5	14,300	30.7	197.1	13,100	35.7	208.1	11,100	40.0	216.1	9,200	43.9	221.6	7,300	180
185	14.9	153.1	15,300	18.8	164.6	14,600	23.5	177.7	13,400	27.4	187.9	12,300	32.8	200.7	10,400	37.5	209.8	8,500	41.5	216.1	6,700	185
190	5.6	124.4	14,400	12.8	146.5	13,700	19.0	164.6	12,600	23.6	177.2	11,500	29.7	192.3	9,700	34.7	202.8	7,800	39.0	210.1	6,100	190
195							13.1	146.8	11,800	19.2	164.2	10,800	26.3	182.7	9,000	31.8	195.1	7,200	36.4	203.5	5,500	195
200										13.4	146.6	10,000	22.4	171.5	8,300	28.6	186.3	6,600	33.6	196.3	4,900	200
205													17.6	157.4	7,700	25.0	176.2	6,000	30.5	188.2	4,400	205
210													11.0	137.2	7,000	20.8	164.2	5,500				210
215																15.6	148.6	4,900				215
220																7.4	123.1	4,400				220



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

100 Ft. Boom, 190 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.4	291.5	52,900*																			60
65	73.8	290.1	52,500*																			65
70	72.2	288.5	52,000*	73.3	289.4	59,000*																70
75	70.6	286.8	51,600*	71.7	287.8	59,000*																75
80	69.0	284.9	51,200*	70.1	286.0	58,300																80
85	67.4	282.9	50,700*	68.5	284.1	53,400	70.2	285.5	50,700													85
90	65.7	280.7	50,300*	66.9	282.0	49,200	68.6	283.5	46,600													90
95	64.1	278.3	47,100	65.2	279.7	45,400	67.0	281.5	43,000													95
100	62.4	275.7	43,700	63.6	277.3	42,100	65.3	279.2	39,800	67.0	280.6	37,500										100
105	60.6	273.0	40,600	61.8	274.7	39,100	63.6	276.8	36,900	65.3	278.4	34,800										105
110	58.9	270.0	37,800	60.1	271.8	36,400	61.9	274.2	34,400	63.7	276.0	32,300										110
115	57.1	266.9	35,300	58.4	268.8	34,000	60.2	271.3	32,000	62.0	273.4	30,100										115
120	55.3	263.5	33,100	56.6	265.6	31,800	58.4	268.3	29,900	60.2	270.5	28,000										120
125	53.4	259.8	31,000	54.7	262.1	29,800	56.6	265.1	28,000	58.5	267.5	26,200	61.4	270.4	23,200							125
130	51.5	255.9	29,100	52.8	258.4	27,900	54.8	261.6	26,200	56.7	264.3	24,500	59.7	267.6	21,600							130
135	49.5	251.8	27,300	50.9	254.4	26,200	52.9	257.9	24,500	54.9	260.9	22,900	57.9	264.5	20,200							135
140	47.5	247.3	25,700	48.9	250.2	24,600	51.0	254.0	23,000	53.0	257.2	21,400	56.1	261.2	18,800							140
145	45.4	242.5	24,200	46.9	245.6	23,200	49.0	249.7	21,600	51.1	253.2	20,100	54.3	257.7	17,600	57.3	260.6	15,100				145
150	43.3	237.3	22,800	44.8	240.7	21,800	47.0	245.2	20,300	49.1	249.0	18,900	52.4	253.9	16,400	55.5	257.2	14,000				150
155	41.0	231.7	21,500	42.6	235.4	20,500	44.9	240.2	19,100	47.0	244.4	17,700	50.5	249.9	15,300	53.6	253.6	13,000				155
160	38.6	225.6	20,300	40.3	229.6	19,300	42.7	235.0	18,000	44.9	239.5	16,600	48.5	245.5	14,300	51.7	249.7	12,100				160
165	36.1	218.9	19,100	37.9	223.4	18,200	40.4	229.2	16,900	42.7	234.2	15,600	46.4	240.9	13,400	49.8	245.6	11,200	52.9	248.5	9,200	165
170	33.4	211.6	18,000	35.3	216.5	17,200	38.0	223.0	15,900	40.5	228.5	14,600	44.3	235.9	12,500	47.8	241.1	10,400	51.0	244.6	8,400	170
175	30.6	203.5	17,000	32.6	209.0	16,200	35.4	216.2	14,900	38.0	222.3	13,700	42.1	230.5	11,700	45.7	236.4	9,600	49.0	240.3	7,700	175
180	27.4	194.3	16,100	29.6	200.6	15,300	32.7	208.7	14,100	35.5	215.5	12,900	39.7	224.6	10,900	43.5	231.2	8,900	46.9	235.7	7,000	180
185	23.9	183.7	15,100	26.4	191.0	14,400	29.8	200.3	13,200	32.8	208.1	12,000	37.3	218.2	10,100	41.3	225.7	8,200	44.8	230.8	6,400	185
190	19.7	171.0	14,300	22.7	179.9	13,500	26.5	190.8	12,400	29.9	199.7	11,300	34.7	211.3	9,400	38.9	219.7	7,600	42.6	225.5	5,800	190
195	14.5	154.4	13,400	18.3	166.2	12,700	22.9	179.8	11,600	26.6	190.3	10,500	31.9	203.5	8,700	36.4	213.1	6,900	40.3	219.8	5,200	195
200	5.5	124.8	12,600	12.5	147.6	11,900	18.5	166.2	10,900	23.0	179.2	9,800	28.9	194.9	8,100	33.8	205.9	6,400	37.9	213.6	4,700	200
205							12.8	147.9	10,200	18.7	165.8	9,200	25.6	185.0	7,500	30.9	197.8	5,800	35.4	206.7	4,200	205
210										13.0	147.7	8,500	21.8	173.4	6,900	27.8	188.8	5,300				210
215													17.1	158.9	6,300	24.3	178.4	4,700				215
220													10.7	138.1	5,700	20.3	166.0	4,200				220

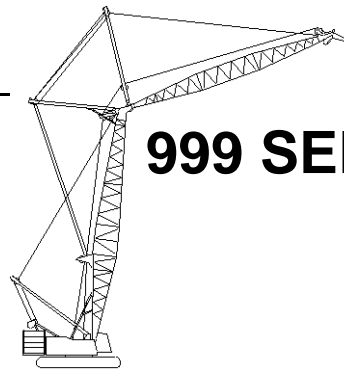


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



100 Ft. Boom, 200 Ft. Jib

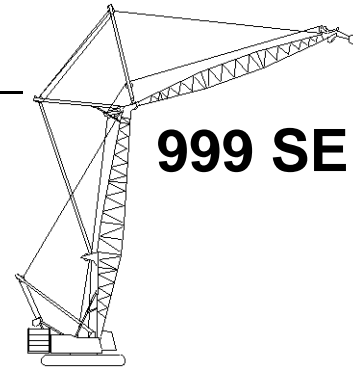
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Elev. Feet	Luffing Jib Capacity Pounds		
65	74.6	300.5	47,500*																			65	
70	73.1	299.0	47,000*																			70	
75	71.6	297.4	46,600*	72.7	298.3	53,100*																75	
80	70.1	295.6	46,100*	71.2	296.6	52,700*																80	
85	68.6	293.7	45,700*	69.6	294.8	52,300*																85	
90	67.0	291.6	45,300*	68.1	292.8	48,600	69.7	294.3	46,000													90	
95	65.5	289.4	44,900*	66.5	290.7	44,900	68.2	292.3	42,400													95	
100	63.9	287.0	43,100	65.0	288.4	41,600	66.6	290.2	39,200													100	
105	62.3	284.4	40,100	63.4	286.0	38,600	65.0	287.9	36,300	66.7	289.4	34,100										105	
110	60.6	281.6	37,300	61.8	283.3	35,900	63.4	285.4	33,800	65.1	287.1	31,700										110	
115	59.0	278.7	34,800	60.1	280.5	33,500	61.8	282.8	31,400	63.5	284.6	29,400										115	
120	57.3	275.5	32,500	58.4	277.5	31,300	60.2	280.0	29,300	61.9	282.0	27,400										120	
125	55.5	272.2	30,500	56.7	274.3	29,200	58.5	277.0	27,400	60.2	279.2	25,600	63.0	281.8	22,500							125	
130	53.8	268.6	28,600	55.0	270.8	27,400	56.8	273.8	25,600	58.6	276.2	23,900	61.4	279.1	21,000							130	
135	52.0	264.7	26,800	53.2	267.2	25,700	55.1	270.4	24,000	56.9	273.0	22,300	59.7	276.2	19,500							135	
140	50.1	260.6	25,200	51.4	263.3	24,100	53.3	266.7	22,500	55.1	269.6	20,800	58.0	273.2	18,200							140	
145	48.2	256.3	23,700	49.5	259.1	22,600	51.5	262.8	21,100	53.4	265.9	19,500	56.3	269.9	16,900							145	
150	46.2	251.6	22,300	47.6	254.6	21,300	49.6	258.6	19,800	51.5	262.0	18,300	54.6	266.4	15,800	57.5	269.2	13,300				150	
155	44.2	246.5	21,000	45.6	249.8	20,000	47.7	254.2	18,500	49.7	257.9	17,100	52.8	262.7	14,700	55.7	265.9	12,300				155	
160	42.1	241.1	19,800	43.6	244.7	18,800	45.7	249.4	17,400	47.8	253.4	16,000	51.0	258.7	13,700	54.0	262.3	11,400				160	
165	39.9	235.3	18,600	41.4	239.2	17,700	43.7	244.3	16,300	45.8	248.7	15,000	49.1	254.5	12,700	52.2	258.5	10,600				165	
170	37.6	229.0	17,500	39.2	233.2	16,700	41.5	238.8	15,300	43.7	243.6	14,000	47.2	249.9	11,900	50.3	254.5	9,700				170	
175	35.2	222.1	16,500	36.9	226.7	15,700	39.3	232.8	14,400	41.6	238.1	13,100	45.2	245.1	11,000	48.4	250.1	9,000	51.4	253.4	7,000	175	
180	32.6	214.6	15,600	34.4	219.6	14,800	37.0	226.4	13,500	39.4	232.1	12,300	43.1	239.8	10,200	46.5	245.5	8,300	49.6	249.2	6,300	180	
185	29.8	206.2	14,700	31.7	211.8	13,900	34.5	219.3	12,700	37.0	225.7	11,500	40.9	234.2	9,500	44.4	240.5	7,600	47.6	244.8	5,700	185	
190	26.7	196.7	13,800	28.9	203.2	13,000	31.8	211.6	11,900	34.6	218.7	10,700	38.7	228.1	8,800	42.3	235.1	6,900	45.7	240.0	5,100	190	
195	23.3	185.8	13,000	25.7	193.3	12,200	29.0	202.9	11,100	31.9	210.9	10,000	36.3	221.5	8,100	40.2	229.3	6,300	43.6	234.8	4,500	195	
200	19.2	172.7	12,200	22.1	181.8	11,500	25.8	193.1	10,400	29.1	202.3	9,300	33.8	214.3	7,500	37.9	223.1	5,700	41.5	229.3	4,000	200	
205	14.1	155.6	11,400	17.8	167.8	10,700	22.3	181.7	9,700	25.9	192.6	8,600	31.1	206.3	6,900	35.4	216.3	5,200				205	
210	5.3	125.2	10,700	12.2	148.6	10,000	18.0	167.8	9,000	22.4	181.2	8,000	28.2	197.4	6,300	32.9	208.8	4,600				210	
215							12.4	149.0	8,400	18.2	167.4	7,400	24.9	187.2	5,800	30.1	200.5	4,100				215	
220										12.7	148.8	6,800	21.2	175.2	5,200								220
225													16.7	160.4	4,700								225
230													10.4	139.0	4,200								230



Liftcrane Luffing Jib Capacities

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

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



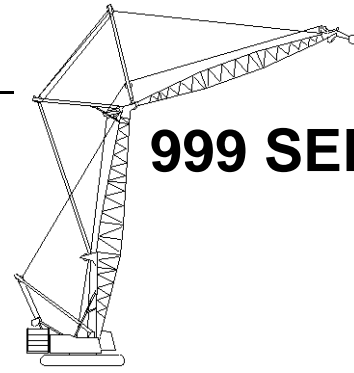
999 SERIES 2

100 Ft. Boom, 210 Ft. Jib

Jib 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			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
65	75.4	310.9	43,100*																65	
70	74.0	309.5	42,600*																70	
75	72.5	307.9	42,200*	73.5	308.8	48,100*													75	
80	71.1	306.3	41,800*	72.1	307.2	47,700*													80	
85	69.6	304.4	41,300*	70.7	305.5	47,200*													85	
90	68.2	302.5	40,900*	69.2	303.6	46,800*	70.7	304.9	45,400*										90	
95	66.7	300.4	40,500*	67.7	301.6	44,400	69.3	303.1	41,900										95	
100	65.2	298.1	40,100*	66.2	299.4	41,100	67.8	301.1	38,700										100	
105	63.7	295.7	39,600	64.7	297.1	38,100	66.3	298.9	35,900	67.8	300.2	33,600							105	
110	62.1	293.1	36,900	63.2	294.6	35,400	64.8	296.6	33,300	66.4	298.1	31,200							110	
115	60.6	290.3	34,400	61.7	292.0	33,000	63.3	294.1	31,000	64.8	295.8	28,900							115	
120	59.0	287.4	32,100	60.1	289.2	30,800	61.7	291.5	28,800	63.3	293.3	26,900							120	
125	57.4	284.2	30,000	58.5	286.2	28,800	60.2	288.7	26,900	61.8	290.7	25,000							125	
130	55.7	280.9	28,100	56.9	283.0	26,900	58.6	285.7	25,100	60.2	287.9	23,300	62.9	290.5	20,400				130	
135	54.1	277.3	26,400	55.2	279.5	25,200	57.0	282.5	23,500	58.6	284.9	21,800	61.3	287.8	19,000				135	
140	52.4	273.5	24,700	53.6	275.9	23,600	55.3	279.1	22,000	57.0	281.7	20,300	59.7	284.9	17,600				140	
145	50.6	269.5	23,200	51.8	272.1	22,200	53.6	275.5	20,600	55.4	278.3	19,000	58.1	281.8	16,400				145	
150	48.8	265.2	21,800	50.1	268.0	20,800	51.9	271.6	19,300	53.7	274.7	17,800	56.5	278.6	15,300				150	
155	47.0	260.6	20,500	48.3	263.6	19,500	50.1	267.5	18,100	52.0	270.8	16,600	54.9	275.1	14,200	57.6	277.9	11,800	155	
160	45.1	255.7	19,300	46.4	258.9	18,400	48.3	263.1	16,900	50.2	266.8	15,500	53.2	271.5	13,200	55.9	274.6	10,900	160	
165	43.1	250.5	18,200	44.5	253.9	17,300	46.5	258.5	15,900	48.4	262.4	14,500	51.4	267.5	12,200	54.3	271.1	10,000	165	
170	41.0	244.9	17,100	42.5	248.6	16,200	44.5	253.5	14,900	46.5	257.8	13,500	49.7	263.4	11,400	52.6	267.3	9,200	170	
175	38.9	238.9	16,100	40.4	242.9	15,200	42.5	248.2	13,900	44.6	252.8	12,700	47.8	258.9	10,500	50.8	263.3	8,400	175	
180	36.6	232.3	15,100	38.2	236.7	14,300	40.5	242.5	13,100	42.6	247.5	11,800	45.9	254.2	9,700	49.0	259.0	7,700	180	
185	34.3	225.2	14,200	35.9	230.0	13,400	38.3	236.3	12,200	40.5	241.8	11,000	44.0	249.1	9,000	47.2	254.5	7,000	185	
190	31.7	217.4	13,400	33.5	222.7	12,600	36.0	229.6	11,400	38.4	235.6	10,300	42.0	243.7	8,300	45.3	249.7	6,400	190	
195	29.0	208.8	12,600	30.9	214.6	11,800	33.6	222.3	10,700	36.1	229.0	9,500	39.9	237.9	7,600	43.3	244.5	5,800	195	
200	26.0	199.0	11,800	28.1	205.7	11,100	31.0	214.3	10,000	33.7	221.7	8,800	37.7	231.6	7,000	41.3	238.9	5,200	200	
205	22.7	187.8	11,100	25.1	195.5	10,400	28.3	205.4	9,300	31.1	213.7	8,200	35.4	224.7	6,400	39.1	232.9	4,700	205	
210	18.8	174.3	10,400	21.6	183.7	9,700	25.2	195.3	8,600	28.4	204.8	7,600	32.9	217.3	5,800	36.9	226.4	4,100	210	
215	13.8	156.8	9,700	17.4	169.3	9,000	21.7	183.6	8,000	25.3	194.8	7,000	30.3	209.0	5,300				215	
220	5.2	125.7	8,900	11.9	149.7	8,300	17.6	169.3	7,400	21.8	183.1	6,400	27.5	199.8	4,800				220	
225							12.1	150.0	6,800	17.7	169.0	5,800	24.3	189.4	4,300				225	
230										12.3	149.9	5,300								230



Liftcrane Luffing Jib Capacities



999 SERIES 2

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

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

100 Ft. Boom, 220 Ft. Jib

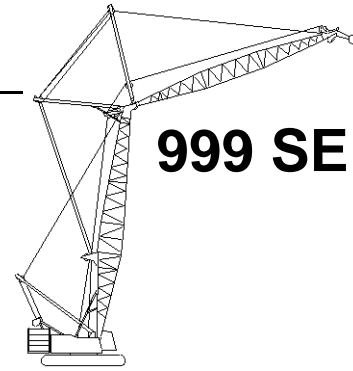
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
70	74.7	319.9	38,700*																70	
75	73.4	318.4	38,200*																75	
80	72.0	316.8	37,800*	72.9	317.7	43,100*													80	
85	70.6	315.1	37,400*	71.6	316.1	42,700*													85	
90	69.2	313.2	37,000*	70.2	314.3	42,300*													90	
95	67.8	311.2	36,600*	68.8	312.4	41,900*	70.2	313.7	40,700*										95	
100	66.4	309.1	36,100*	67.4	310.3	40,500	68.9	311.8	38,100										100	
105	65.0	306.8	35,800*	66.0	308.2	37,600	67.4	309.8	35,300										105	
110	63.5	304.4	35,400*	64.5	305.8	34,900	66.0	307.6	32,700	67.5	309.0	30,500							110	
115	62.0	301.7	33,800	63.1	303.3	32,400	64.6	305.3	30,400	66.1	306.8	28,300							115	
120	60.6	299.0	31,600	61.6	300.7	30,200	63.1	302.8	28,200	64.6	304.5	26,300							120	
125	59.0	296.0	29,500	60.1	297.8	28,200	61.7	300.1	26,300	63.2	302.0	24,400							125	
130	57.5	292.9	27,600	58.6	294.8	26,400	60.2	297.3	24,500	61.7	299.3	22,700							130	
135	55.9	289.6	25,800	57.0	291.6	24,700	58.6	294.3	22,900	60.2	296.5	21,200	62.7	299.1	18,300				135	
140	54.4	286.0	24,200	55.5	288.3	23,100	57.1	291.1	21,400	58.7	293.5	19,700	61.3	296.4	17,000				140	
145	52.7	282.3	22,700	53.9	284.7	21,600	55.5	287.8	20,000	57.2	290.4	18,400	59.8	293.6	15,700				145	
150	51.1	278.3	21,300	52.2	280.9	20,300	53.9	284.2	18,700	55.6	287.0	17,200	58.2	290.5	14,600				150	
155	49.4	274.1	20,000	50.6	276.8	19,000	52.3	280.4	17,500	54.0	283.4	16,000	56.7	287.3	13,500				155	
160	47.6	269.6	18,800	48.8	272.5	17,800	50.6	276.4	16,400	52.3	279.6	14,900	55.1	283.8	12,500	57.7	286.6	10,200	160	
165	45.8	264.9	17,700	47.1	268.0	16,700	48.9	272.1	15,300	50.7	275.6	13,900	53.5	280.2	11,600	56.1	283.3	9,300	165	
170	44.0	259.8	16,600	45.3	263.1	15,700	47.1	267.5	14,300	49.0	271.3	13,000	51.8	276.3	10,700	54.5	279.8	8,500	170	
175	42.0	254.4	15,600	43.4	257.9	14,700	45.3	262.7	13,400	47.2	266.8	12,100	50.2	272.3	9,900	52.9	276.1	7,800	175	
180	40.0	248.6	14,600	41.4	252.4	13,800	43.5	257.5	12,500	45.4	262.0	11,200	48.4	267.9	9,100	51.3	272.1	7,100	180	
185	38.0	242.3	13,700	39.4	246.4	12,900	41.5	252.0	11,700	43.5	256.8	10,400	46.7	263.3	8,400	49.6	268.0	6,400	185	
190	35.8	235.6	12,900	37.3	240.1	12,100	39.5	246.1	10,900	41.6	251.3	9,700	44.8	258.3	7,700	47.8	263.5	5,700	190	
195	33.5	228.2	12,100	35.1	233.1	11,300	37.4	239.7	10,100	39.6	245.4	9,000	42.9	253.1	7,000	46.0	258.8	5,100	195	
200	31.0	220.2	11,300	32.7	225.6	10,600	35.2	232.8	9,400	37.5	239.0	8,300	41.0	247.4	6,400	44.2	253.7	4,600	200	
205	28.3	211.3	10,600	30.2	217.3	9,800	32.8	225.3	8,700	35.2	232.1	7,600	38.9	241.4	5,800	42.3	248.4	4,000	205	
210	25.4	201.3	9,900	27.5	208.1	9,200	30.3	217.0	8,100	32.9	224.7	7,000	36.8	234.9	5,200				210	
215	22.1	189.7	9,200	24.5	197.7	8,500	27.6	207.9	7,500	30.4	216.4	6,400	34.5	227.8	4,700				215	
220	18.3	175.9	8,600	21.1	185.6	7,900	24.6	197.5	6,900	27.7	207.3	5,900	32.2	220.2	4,200				220	
225	13.5	158.0	7,900	17.0	170.8	7,300	21.2	185.5	6,300	24.7	197.0	5,300							225	
230	5.0	126.1	7,300	11.6	150.7	6,700	17.2	170.8	5,700	21.3	185.0	4,800							230	
235				11.8	151.0	5,200	17.3	170.5	4,300											235



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

100 Ft. Boom, 230 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.4	330.3	36,300*																70
75	74.1	328.9	35,900*																75
80	72.8	327.3	35,600*	73.7	328.1	41,000*													80
85	71.5	325.7	35,200*	72.4	326.6	40,600*													85
90	70.2	323.9	34,800*	71.1	324.9	40,200*													90
95	68.8	322.0	34,500*	69.8	323.1	39,900*													95
100	67.5	320.0	34,100*	68.4	321.2	39,500*	69.8	322.6	37,700										100
105	66.1	317.8	33,800*	67.1	319.1	37,100	68.5	320.6	34,800										105
110	64.8	315.5	33,400*	65.7	316.9	34,400	67.1	318.5	32,200										110
115	63.4	313.0	33,100*	64.3	314.5	32,000	65.8	316.3	29,900	67.2	317.7	27,900							115
120	62.0	310.4	31,100	62.9	312.0	29,800	64.4	314.0	27,800	65.8	315.5	25,800							120
125	60.5	307.6	29,100	61.5	309.3	27,800	63.0	311.5	25,900	64.4	313.2	24,000							125
130	59.1	304.7	27,200	60.1	306.5	25,900	61.6	308.8	24,100	63.0	310.7	22,300							130
135	57.6	301.6	25,400	58.6	303.5	24,200	60.2	306.0	22,500	61.6	308.0	20,700							135
140	56.1	298.3	23,800	57.2	300.3	22,700	58.7	303.0	21,000	60.2	305.2	19,300	62.6	307.8	16,500				140
145	54.6	294.8	22,300	55.7	297.0	21,200	57.2	299.8	19,600	58.8	302.2	18,000	61.2	305.1	15,300				145
150	53.1	291.1	20,900	54.1	293.4	19,900	55.7	296.5	18,300	57.3	299.0	16,700	59.8	302.2	14,200				150
155	51.5	287.2	19,600	52.6	289.6	18,600	54.2	292.9	17,100	55.8	295.7	15,600	58.3	299.2	13,100				155
160	49.9	283.0	18,400	51.0	285.7	17,400	52.6	289.2	16,000	54.3	292.2	14,500	56.8	296.0	12,100				160
165	48.2	278.6	17,300	49.4	281.4	16,300	51.1	285.2	14,900	52.7	288.4	13,500	55.3	292.6	11,200	57.8	295.3	8,900	165
170	46.5	274.0	16,200	47.7	277.0	15,300	49.4	281.0	13,900	51.1	284.4	12,500	53.8	289.0	10,300	56.3	292.0	8,100	170
175	44.7	269.0	15,200	46.0	272.2	14,300	47.8	276.5	13,000	49.5	280.2	11,700	52.2	285.1	9,500	54.8	288.5	7,400	175
180	42.9	263.7	14,200	44.2	267.2	13,400	46.0	271.8	12,100	47.8	275.8	10,800	50.6	281.1	8,700	53.2	284.8	6,600	180
185	41.1	258.1	13,400	42.4	261.8	12,500	44.3	266.8	11,300	46.1	271.1	10,000	49.0	276.8	8,000	51.7	281.0	6,000	185
190	39.1	252.1	12,500	40.5	256.1	11,700	42.5	261.4	10,500	44.3	266.0	9,300	47.3	272.3	7,300	50.0	276.8	5,300	190
195	37.1	245.7	11,700	38.5	250.0	10,900	40.6	255.7	9,700	42.5	260.7	8,600	45.6	267.5	6,600	48.4	272.5	4,700	195
200	34.9	238.7	10,900	36.4	243.4	10,200	38.6	249.6	9,000	40.6	255.0	7,900	43.8	262.4	6,000	46.7	267.8	4,200	200
205	32.7	231.2	10,200	34.3	236.2	9,500	36.5	243.0	8,400	38.7	248.9	7,300	41.9	256.9	5,400				205
210	30.3	222.9	9,500	32.0	228.5	8,800	34.4	235.9	7,700	36.6	242.3	6,600	40.0	251.1	4,900				210
215	27.7	213.7	8,900	29.5	220.0	8,200	32.1	228.2	7,100	34.4	235.2	6,100	38.0	244.9	4,300				215
220	24.8	203.5	8,200	26.9	210.5	7,600	29.6	219.7	6,500	32.1	227.5	5,500							220
225	21.6	191.6	7,600	23.9	199.8	7,000	27.0	210.3	6,000	29.7	219.1	5,000							225
230	17.9	177.5	7,000	20.6	187.4	6,400	24.0	199.6	5,400	27.1	209.7	4,400							230
235	13.2	159.1	6,500	16.6	172.2	5,800	20.7	187.3	4,900	24.1	199.1	4,000							235
240	4.9	126.5	5,900	11.3	151.6	5,300	16.8	172.3	4,400										240

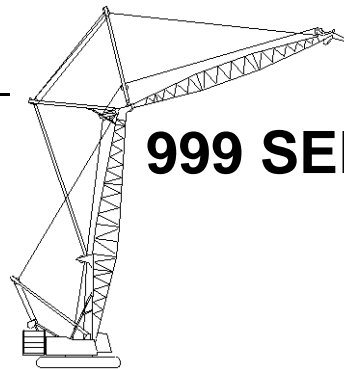


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



100 Ft. Boom, 240 Ft. Jib

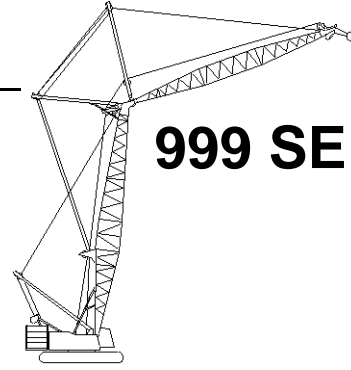
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	76.0	340.6	33,100*																70
75	74.8	339.3	32,700*																75
80	73.5	337.8	32,300*																80
85	72.3	336.2	32,000*	73.2	337.1	36,800*													85
90	71.0	334.6	31,600*	71.9	335.5	36,500*													90
95	69.8	332.7	31,300*	70.6	333.8	36,100*													95
100	68.5	330.8	30,900*	69.4	331.9	35,700*	70.7	333.2	35,100*										100
105	67.2	328.7	30,600*	68.1	329.9	35,400*	69.4	331.4	34,200										105
110	65.9	326.5	30,300*	66.8	327.8	33,900	68.1	329.4	31,700										110
115	64.6	324.2	29,900*	65.5	325.6	31,500	66.8	327.3	29,300										115
120	63.2	321.7	29,600*	64.2	323.2	29,300	65.5	325.0	27,200	66.9	326.5	25,200							120
125	61.9	319.1	28,600	62.8	320.7	27,300	64.2	322.7	25,300	65.6	324.2	23,400							125
130	60.5	316.3	26,700	61.5	318.0	25,400	62.9	320.1	23,500	64.3	321.9	21,700							130
135	59.1	313.3	24,900	60.1	315.1	23,700	61.5	317.5	21,900	62.9	319.3	20,100							135
140	57.7	310.2	23,300	58.7	312.2	22,100	60.1	314.6	20,400	61.6	316.7	18,700							140
145	56.3	306.9	21,800	57.3	309.0	20,700	58.8	311.7	19,000	60.2	313.9	17,400	62.5	316.5	14,700				145
150	54.8	303.5	20,400	55.9	305.7	19,300	57.3	308.5	17,700	58.8	310.9	16,100	61.1	313.7	13,500				150
155	53.4	299.8	19,100	54.4	302.1	18,100	55.9	305.2	16,500	57.4	307.7	15,000	59.8	310.9	12,500				155
160	51.9	296.0	17,900	52.9	298.4	16,900	54.5	301.7	15,400	56.0	304.4	13,900	58.4	307.8	11,500				160
165	50.3	291.9	16,700	51.4	294.5	15,800	53.0	297.9	14,300	54.5	300.9	12,900	57.0	304.6	10,500				165
170	48.7	287.6	15,700	49.8	290.3	14,700	51.4	294.0	13,400	53.0	297.2	12,000	55.5	301.3	9,700	57.9	303.9	7,400	170
175	47.1	283.0	14,700	48.2	285.9	13,800	49.9	289.9	12,400	51.5	293.3	11,100	54.0	297.7	8,900	56.5	300.7	6,700	175
180	45.5	278.2	13,700	46.6	281.3	12,900	48.3	285.5	11,500	49.9	289.1	10,200	52.6	293.9	8,100	55.0	297.2	6,000	180
185	43.7	273.0	12,800	44.9	276.4	12,000	46.7	280.9	10,700	48.4	284.8	9,400	51.0	289.9	7,400	53.5	293.6	5,300	185
190	42.0	267.6	12,000	43.2	271.2	11,200	45.0	276.0	9,900	46.7	280.1	8,700	49.5	285.7	6,700	52.0	289.8	4,700	190
195	40.2	261.8	11,200	41.4	265.6	10,400	43.3	270.8	9,200	45.1	275.2	8,000	47.9	281.3	6,000	50.5	285.7	4,100	195
200	38.3	255.6	10,400	39.6	259.7	9,700	41.5	265.2	8,500	43.3	270.0	7,300	46.2	276.6	5,400				200
205	36.3	249.0	9,700	37.7	253.4	9,000	39.7	259.3	7,800	41.6	264.5	6,700	44.5	271.6	4,800				205
210	34.2	241.8	9,000	35.6	246.6	8,300	37.7	253.0	7,200	39.7	258.6	6,100	42.8	266.3	4,200				210
215	32.0	234.0	8,400	33.5	239.2	7,700	35.7	246.2	6,600	37.8	252.3	5,500							215
220	29.6	225.5	7,700	31.3	231.3	7,000	33.6	238.9	6,000	35.8	245.6	4,900							220
225	27.1	216.2	7,100	28.9	222.5	6,500	31.4	231.0	5,400	33.7	238.3	4,400							225
230	24.3	205.6	6,600	26.3	212.8	5,900	29.0	222.3	4,900										230
235	21.2	193.5	6,000	23.4	201.9	5,400	26.4	212.6	4,400										235
240	17.5	179.0	5,500	20.1	189.1	4,800													240
245	12.9	160.2	4,900	16.2	173.6	4,300													245
250	4.8	126.9	4,400																250



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 70 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	66.7	181.8	130,000*b																			40
45	62.1	179.3	119,200*b	65.6	180.9	126,700*b																45
50	57.3	176.2	109,900*	61.0	178.3	116,400*b	66.3	180.6	122,700b													50
55	52.2	172.5	101,900*	56.1	175.1	107,500*	61.7	178.1	108,300b	66.9	180.0	105,000b										55
60	46.7	168.1	95,000*	51.0	171.3	99,700	56.8	175.0	96,800	62.3	177.5	93,800b										60
65	40.7	162.7	88,900*	45.4	166.7	90,000	51.7	171.2	87,300	57.5	174.4	84,600										65
70	33.8	155.8	83,400	39.2	160.9	81,800	46.2	166.7	79,400	52.5	170.8	77,000	61.7	174.8	72,900b							70
75	25.2	146.6	76,300	31.9	153.7	74,900	40.1	161.2	72,700	47.0	166.4	70,500	56.9	171.7	66,700							75
80	11.2	130.4	63,200*	22.7	143.5	68,900	33.1	154.2	66,900	41.0	161.0	64,900	51.7	168.0	61,400							80
85							24.2	144.6	61,900	34.1	154.3	60,000	46.2	163.5	56,800	56.0	168.0	53,700				85
90							8.9	126.6	57,300	25.6	145.2	55,700	40.1	157.9	52,800	50.8	164.2	49,900				90
95										12.2	129.7	51,800	33.1	150.9	49,200	45.2	159.5	46,500				95
100													24.2	141.4	46,000	38.9	153.7	43,400	49.5	159.3	40,900	100
105													8.9	123.4	42,900	31.7	146.4	40,700	43.7	154.4	38,400	105
110																22.3	136.1	38,200	37.3	148.3	36,000	110
115																			29.7	140.4	33,900	115
120																			19.4	128.9	31,900	120

110 Ft. Boom, 80 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	69.7	192.6	126,300*b																			40
45	65.8	190.5	116,000*b	68.8	191.9	123,200*b																45
50	61.8	187.9	107,100*	64.9	189.6	113,500*b	69.4	191.5	122,300b													50
55	57.6	184.9	99,400*	60.9	187.0	105,000*	65.5	189.3	107,900b													55
60	53.2	181.3	92,600*	56.6	183.8	97,500*	61.5	186.7	96,400	66.0	188.7	93,300b										60
65	48.6	177.1	86,700*	52.2	180.1	89,700	57.3	183.6	86,900	62.0	186.1	84,200										65
70	43.5	172.1	81,500*	47.4	175.8	81,600	52.8	180.0	79,000	57.8	183.1	76,500										70
75	37.9	166.1	76,200	42.3	170.6	74,700	48.1	175.8	72,400	53.4	179.6	70,000	61.5	183.5	66,200							75
80	31.5	158.7	70,100	36.5	164.3	68,700	43.0	170.7	66,600	48.8	175.4	64,500	57.3	180.4	60,900							80
85	23.4	148.6	64,900	29.8	156.3	63,600	37.4	164.6	61,600	43.7	170.5	59,600	52.8	176.8	56,300							85
90	10.4	131.2	56,100*	21.1	145.4	59,000	30.8	156.9	57,200	38.2	164.5	55,400	48.1	172.5	52,300	56.5	176.7	49,300				90
95							22.6	146.6	53,300	31.8	157.1	51,600	43.0	167.5	48,800	52.0	173.0	45,900				95
100							8.2	127.2	49,700	23.9	147.3	48,200	37.4	161.4	45,600	47.2	168.6	42,900				100
105													30.8	153.7	42,700	42.1	163.4	40,200	50.9	168.2	37,800	105
110													11.4	130.6	45,100	22.6	143.4	40,100	46.0	163.6	35,500	110
115																8.3	124.0	37,600	29.5	149.0	35,600	115
120																			20.8	137.9	33,500	120
125																						125
130																						130

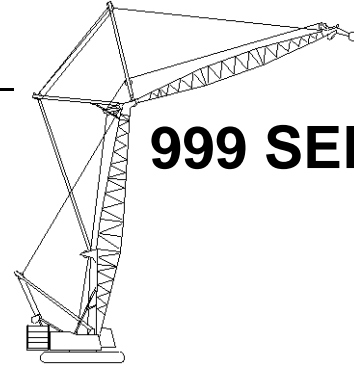


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



110 Ft. Boom, 90 Ft. Jib

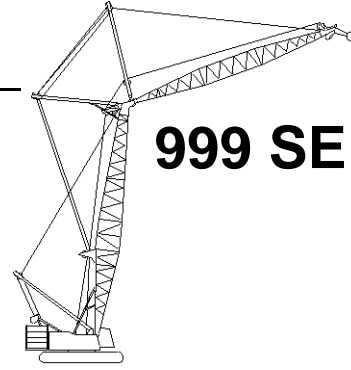
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	72.1	203.2	122,800*b																			40
45	68.7	201.4	113,100*b	71.3	202.6	120,100*b																45
50	65.2	199.2	104,700*	67.9	200.6	110,900*b																50
55	61.6	196.6	97,300*	64.4	198.3	102,800*	68.4	200.3	107,600b													55
60	57.9	193.6	90,800*	60.8	195.6	95,700*	64.9	198.0	96,100													60
65	54.0	190.1	85,000*	57.0	192.5	89,300*	61.3	195.4	86,600	65.4	197.4	83,800										65
70	49.9	186.1	79,900*	53.1	188.9	81,400	57.6	192.3	78,800	61.8	194.8	76,200										70
75	45.6	181.4	75,300*	48.9	184.7	74,500	53.7	188.8	72,100	58.1	191.8	69,700										75
80	40.9	175.9	70,000	44.5	179.9	68,600	49.6	184.7	66,400	54.2	188.3	64,200	61.3	192.1	60,600							80
85	35.6	169.4	64,800	39.7	174.2	63,500	45.2	180.0	61,400	50.1	184.3	59,400	57.6	189.1	56,000							85
90	29.6	161.3	60,200	34.3	167.4	59,000	40.4	174.4	57,100	45.8	179.7	55,200	53.7	185.6	52,000							90
95	22.0	150.6	56,100	28.0	158.8	55,000	35.1	167.8	53,200	41.1	174.3	51,400	49.6	181.5	48,500	56.9	185.4	45,600				95
100	9.8	132.0	49,400*	19.9	147.1	51,400	29.0	159.5	49,700	35.9	167.8	48,100	45.2	176.7	45,300	52.9	181.8	42,600				100
105							21.2	148.4	46,600	29.9	159.8	45,100	40.4	171.2	42,500	48.8	177.6	39,900				105
110							7.7	127.8	43,700	22.4	149.2	42,400	35.1	164.5	39,900	44.3	172.7	37,500	52.0	177.0	35,100	110
115										10.7	131.5	39,800	29.0	156.3	37,600	39.5	167.0	35,300	47.7	172.6	33,100	115
120													21.2	145.2	35,500	34.1	160.1	33,300	43.2	167.6	31,200	120
125													7.7	124.6	33,400	27.7	151.5	31,500	38.3	161.6	29,400	125
130																19.5	139.6	29,700	32.7	154.4	27,800	130
135																			26.0	145.2	26,400	135
140																			16.9	131.9	24,900	140



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 100 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	73.9	213.7	118,000*b																			40
45	70.9	212.1	109,900*b	73.2	213.1	116,500*b																45
50	67.8	210.1	101,900*	70.2	211.4	107,900*b																50
55	64.7	207.9	94,800*	67.1	209.4	100,200*	70.6	211.0	107,100b													55
60	61.5	205.2	88,600*	63.9	207.0	93,400*	67.6	209.0	95,600													60
65	58.1	202.2	83,000*	60.7	204.3	87,300*	64.4	206.7	86,200	68.0	208.3	83,300										65
70	54.6	198.8	78,000*	57.3	201.2	81,000	61.2	204.0	78,300	64.8	206.1	75,700										70
75	51.0	194.9	73,600*	53.8	197.7	74,100	57.8	201.0	71,700	61.6	203.4	69,300										75
80	47.2	190.5	69,600*	50.1	193.7	68,200	54.3	197.5	66,000	58.3	200.5	63,700										80
85	43.1	185.4	64,500	46.3	189.1	63,100	50.7	193.6	61,000	54.8	197.1	58,900	61.2	200.8	55,500							85
90	38.6	179.4	59,900	42.1	183.8	58,600	46.8	189.1	56,700	51.2	193.2	54,700	57.8	197.8	51,500							90
95	33.7	172.4	55,900	37.5	177.6	54,700	42.7	183.9	52,800	47.4	188.8	51,000	54.3	194.3	48,000							95
100	28.0	163.8	52,300	32.4	170.3	51,100	38.2	177.9	49,400	43.3	183.7	47,700	50.7	190.4	44,800	57.2	194.1	42,000				100
105	20.8	152.4	49,000	26.5	161.2	47,900	33.2	170.8	46,300	38.9	177.8	44,700	46.8	185.9	42,000	53.7	190.6	39,400				105
110	9.2	132.8	43,000*	18.8	148.7	45,000	27.4	162.0	43,500	33.9	170.9	42,000	42.7	180.7	39,500	50.0	186.5	37,000				110
115							20.1	150.2	41,000	28.3	162.3	39,600	38.2	174.7	37,200	46.1	181.9	34,800	52.8	185.8	32,500	115
120							7.3	128.4	38,600	21.2	151.1	37,300	33.2	167.5	35,100	41.9	176.6	32,800	49.1	181.6	30,600	120
125										10.1	132.3	35,200	27.4	158.7	33,100	37.4	170.4	31,000	45.1	176.8	28,900	125
130													20.1	147.0	31,300	32.2	163.0	29,300	40.9	171.3	27,300	130
135													7.3	125.2	29,600	26.2	153.8	27,800	36.2	164.9	25,900	135
140																18.5	141.2	26,300	30.9	157.1	24,500	140
145																			24.6	147.3	23,200	145
150																			16.0	133.3	22,000	150

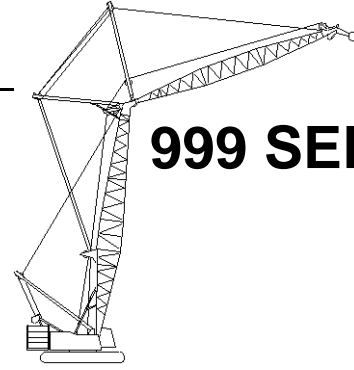


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



110 Ft. Boom, 110 Ft. Jib

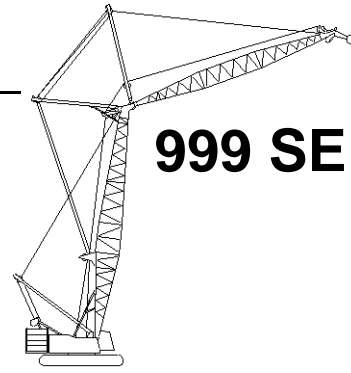
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.4	224.1	114,800*b																			40
45	72.7	222.7	106,600*b																			45
50	70.0	220.9	99,200*	72.1	222.0	104,900*																50
55	67.1	218.9	92,500*	69.3	220.2	97,700*																55
60	64.3	216.5	86,500*	66.5	218.1	91,200*	69.7	219.8	95,500													60
65	61.3	213.9	81,200*	63.6	215.7	85,400*	66.9	217.7	86,100													65
70	58.3	210.9	76,400*	60.6	213.0	80,200*	64.0	215.4	78,200	67.3	217.1	75,600										70
75	55.2	207.5	72,100*	57.6	209.9	74,000	61.1	212.7	71,600	64.4	214.7	69,100										75
80	51.9	203.8	68,200*	54.4	206.4	68,200	58.0	209.7	65,900	61.5	212.1	63,600										80
85	48.5	199.5	64,500	51.1	202.5	63,100	54.9	206.3	60,900	58.4	209.1	58,800										85
90	44.8	194.7	59,900	47.6	198.1	58,600	51.6	202.4	56,600	55.3	205.8	54,600	61.1	209.5	51,300							90
95	41.0	189.1	55,900	44.0	193.1	54,600	48.1	198.1	52,800	52.0	202.0	50,900	58.0	206.4	47,800							95
100	36.7	182.8	51,900*	40.0	187.5	51,100	44.5	193.2	49,400	48.6	197.8	47,600	54.9	203.0	44,700							100
105	32.1	175.3	48,300*	35.7	180.9	47,900	40.6	187.7	46,300	45.0	193.0	44,600	51.6	199.2	41,900	57.5	202.8	39,200				105
110	26.6	166.2	45,300*	30.9	173.1	45,100	36.3	181.2	43,500	41.1	187.5	42,000	48.1	194.9	39,400	54.3	199.3	36,800				110
115	19.8	154.1	43,100*	25.2	163.4	42,500	31.6	173.6	41,000	37.0	181.2	39,500	44.5	190.0	37,100	51.0	195.4	34,700				115
120	8.8	133.5	38,100*	17.9	150.3	40,100	26.1	164.3	38,700	32.3	173.8	37,300	40.6	184.4	35,000	47.5	191.0	32,700				120
125							19.1	151.8	36,600	26.9	164.7	35,300	36.4	178.0	33,100	43.8	186.0	30,900	50.2	190.5	28,700	125
130							6.9	129.0	34,600	20.2	152.9	33,400	31.6	170.4	31,300	39.9	180.3	29,200	46.6	186.0	27,200	130
135										9.6	133.1	31,600	26.1	161.0	29,700	35.5	173.6	27,700	42.9	180.8	25,700	135
140													19.1	148.6	28,200	30.7	165.8	26,300	38.9	174.9	24,400	140
145													6.9	125.8	26,700	25.0	156.0	24,900	34.4	168.0	23,200	145
150																17.6	142.7	23,700	29.4	159.8	22,000	150
155																			23.4	149.4	20,900	155
160																			15.2	134.6	19,800	160



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 120 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.2	233.1	103,100*																			45
50	71.7	231.5	96,200*	73.6	232.5	101,600*																50
55	69.2	229.7	90,000*	71.1	230.8	95,000*																55
60	66.6	227.6	84,300*	68.6	228.9	88,900*																60
65	63.9	225.2	79,200*	66.0	226.8	83,400*	68.9	228.6	85,600													65
70	61.2	222.6	74,600*	63.3	224.3	78,300*	66.3	226.4	77,800													70
75	58.4	219.6	70,400*	60.6	221.6	73,600	63.7	224.0	71,100	66.7	225.8	68,600										75
80	55.6	216.3	66,600*	57.8	218.6	67,800	61.0	221.4	65,400	64.0	223.4	63,100										80
85	52.6	212.6	63,200*	54.9	215.1	62,700	58.2	218.3	60,500	61.3	220.8	58,300										85
90	49.5	208.4	59,600	51.9	211.3	58,200	55.3	215.0	56,200	58.6	217.8	54,100										90
95	46.3	203.8	55,500	48.8	207.1	54,300	52.3	211.3	52,300	55.7	214.5	50,400	61.0	218.1	47,300							95
100	42.8	198.6	51,500*	45.5	202.4	50,700	49.2	207.1	48,900	52.7	210.8	47,100	58.2	215.1	44,200							100
105	39.1	192.7	47,700*	42.0	197.0	47,600	46.0	202.4	45,900	49.6	206.7	44,200	55.3	211.8	41,400							105
110	35.1	186.0	44,400*	38.2	190.9	44,800	42.5	197.2	43,100	46.4	202.1	41,500	52.3	208.0	38,900	57.7	211.5	36,200				110
115	30.6	178.0	41,600*	34.1	183.9	42,200	38.8	191.2	40,600	43.0	196.9	39,100	49.2	203.8	36,600	54.8	208.0	34,100				115
120	25.4	168.4	39,300*	29.5	175.7	39,800	34.7	184.4	38,400	39.3	191.1	36,900	46.0	199.2	34,500	51.8	204.2	32,100				120
125	19.0	155.8	37,600*	24.1	165.5	37,700	30.2	176.3	36,300	35.3	184.4	34,900	42.5	193.9	32,600	48.6	200.0	30,400				125
130	8.4	134.2	33,500*	17.1	151.8	35,600	24.9	166.5	34,400	30.9	176.5	33,100	38.8	188.0	30,900	45.3	195.2	28,700	51.0	199.4	26,600	130
135							18.3	153.4	32,600	25.7	167.0	31,300	34.7	181.1	29,300	41.8	189.8	27,200	47.9	195.0	25,200	135
140							6.6	129.5	30,800	19.3	154.5	29,700	30.2	173.1	27,800	38.1	183.7	25,800	44.5	190.1	23,900	140
145										9.1	133.9	28,200	24.9	163.2	26,400	34.0	176.7	24,500	41.0	184.6	22,600	145
150													18.3	150.2	25,000	29.3	168.4	23,300	37.1	178.3	21,500	150
155													6.6	126.3	23,700	23.9	158.1	22,100	32.9	171.0	20,400	155
160																16.8	144.2	21,000	28.1	162.3	19,400	160
165																			22.4	151.3	18,400	165
170																			14.6	135.8	17,500	170

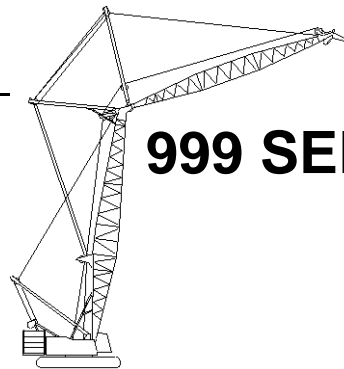


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



110 Ft. Boom, 130 Ft. Jib

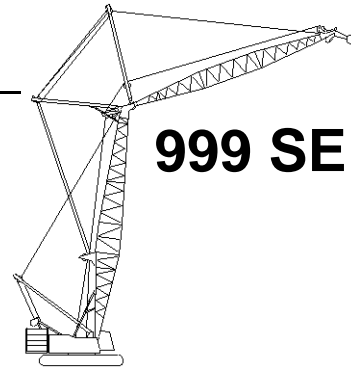
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.4	243.5	94,400*																			45
50	73.2	242.1	92,700*																			50
55	70.8	240.4	87,700*	72.6	241.4	92,400*																55
60	68.5	238.5	82,400*	70.3	239.7	86,800*																60
65	66.1	236.3	77,500*	67.9	237.7	81,600*	70.6	239.3	85,200													65
70	63.6	233.9	73,100*	65.5	235.5	76,800*	68.3	237.3	77,400													70
75	61.1	231.2	69,000*	63.0	233.0	72,400*	65.9	235.2	70,800													75
80	58.6	228.2	65,400*	60.5	230.3	67,500	63.4	232.7	65,100	66.2	234.5	62,700										80
85	55.9	225.0	62,000*	57.9	227.2	62,400	60.9	230.0	60,200	63.7	232.1	58,000										85
90	53.2	221.3	58,900*	55.3	223.9	57,900	58.3	227.0	55,800	61.2	229.4	53,800										90
95	50.4	217.3	55,300*	52.5	220.1	54,000	55.7	223.7	52,000	58.7	226.5	50,100										95
100	47.4	212.9	51,100*	49.7	216.0	50,400	52.9	220.0	48,600	56.0	223.2	46,800	60.9	226.8	43,800							100
105	44.3	207.9	47,500*	46.7	211.5	47,300	50.1	216.0	45,600	53.3	219.6	43,800	58.3	223.8	41,000							105
110	41.0	202.4	44,200*	43.6	206.4	44,500	47.1	211.5	42,800	50.5	215.6	41,200	55.7	220.5	38,500							110
115	37.5	196.1	41,200*	40.2	200.7	41,900	44.0	206.5	40,400	47.6	211.2	38,800	53.0	216.8	36,200	57.9	220.1	33,700				115
120	33.7	189.0	38,600*	36.6	194.3	39,600	40.7	200.9	38,100	44.5	206.2	36,600	50.1	212.7	34,200	55.2	216.8	31,800				120
125	29.4	180.7	36,400*	32.7	186.9	37,400	37.2	194.6	36,000	41.2	200.7	34,600	47.2	208.3	32,300	52.4	213.0	30,000				125
130	24.4	170.6	34,600*	28.3	178.2	35,500	33.3	187.4	34,100	37.7	194.5	32,800	44.0	203.3	30,500	49.6	208.9	28,300				130
135	18.2	157.3	33,200*	23.1	167.5	33,600	29.0	178.9	32,300	33.9	187.4	31,100	40.7	197.7	28,900	46.6	204.3	26,800	51.8	208.2	24,800	135
140	8.0	134.8	29,700*	16.4	153.2	31,900	23.9	168.6	30,700	29.6	179.2	29,500	37.2	191.4	27,400	43.5	199.2	25,400	48.9	204.0	23,500	140
145							17.5	155.0	29,200	24.7	169.2	28,000	33.3	184.1	26,100	40.1	193.5	24,100	45.9	199.3	22,200	145
150							6.3	130.0	27,700	18.5	156.1	26,600	29.0	175.7	24,800	36.5	187.0	22,900	42.7	194.0	21,100	150
155										8.8	134.6	25,300	23.9	165.4	23,600	32.6	179.6	21,800	39.3	188.2	20,100	155
160													17.5	151.7	22,400	28.1	170.9	20,700	35.6	181.5	19,100	160
165													6.3	126.8	21,300	22.9	160.1	19,700	31.5	173.8	18,100	165
170																16.1	145.5	18,800	26.9	164.7	17,200	170
175																			21.4	153.2	16,400	175
180																			14.0	137.0	15,600	180



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 140 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.4	252.5	84,300*																			50
55	72.2	250.9	82,900*	73.9	251.9	89,300*																55
60	70.1	249.2	80,000*	71.7	250.3	84,100*																60
65	67.9	247.2	75,400*	69.6	248.5	79,300*																65
70	65.6	245.0	71,200*	67.4	246.4	74,800*	69.9	248.1	76,900													70
75	63.4	242.6	67,300*	65.1	244.2	70,700*	67.7	246.1	70,300													75
80	61.0	239.9	63,800*	62.8	241.7	66,900*	65.4	243.9	64,600	68.0	245.4	62,200										80
85	58.7	236.9	60,600*	60.5	238.9	61,900	63.2	241.4	59,700	65.7	243.2	57,400										85
90	56.2	233.7	57,600*	58.1	235.9	57,500	60.8	238.7	55,400	63.5	240.8	53,300										90
95	53.7	230.1	54,600*	55.6	232.6	53,600	58.4	235.7	51,600	61.2	238.1	49,600										95
100	51.1	226.2	50,800*	53.1	228.9	50,000	56.0	232.4	48,200	58.8	235.1	46,300										100
105	48.4	221.8	47,100*	50.5	224.9	46,900	53.5	228.8	45,100	56.3	231.9	43,400	60.8	235.4	40,500							105
110	45.6	217.1	43,900*	47.8	220.5	44,100	50.9	224.8	42,400	53.8	228.3	40,700	58.4	232.5	38,000							110
115	42.6	211.8	41,000*	44.9	215.6	41,500	48.2	220.5	39,900	51.2	224.4	38,300	56.0	229.2	35,700							115
120	39.5	206.0	38,300*	41.9	210.2	39,200	45.3	215.7	37,700	48.5	220.1	36,200	53.5	225.6	33,600	58.0	228.8	31,200				120
125	36.1	199.4	36,000*	38.7	204.2	37,100	42.3	210.4	35,600	45.7	215.4	34,200	50.9	221.6	31,800	55.5	225.5	29,400				125
130	32.4	191.9	33,900*	35.2	197.5	35,100	39.2	204.5	33,700	42.7	210.2	32,300	48.2	217.3	30,000	53.0	221.8	27,800				130
135	28.3	183.2	32,100*	31.5	189.7	33,300	35.8	197.8	32,000	39.6	204.3	30,600	45.3	212.5	28,400	50.4	217.8	26,300				135
140	23.5	172.6	30,600*	27.2	180.6	31,600	32.0	190.2	30,300	36.2	197.8	29,100	42.3	207.2	27,000	47.7	213.3	24,900	52.4	217.0	22,900	140
145	17.5	158.9	29,600*	22.2	169.5	30,000	27.9	181.4	28,800	32.6	190.4	27,600	39.2	201.2	25,600	44.8	208.5	23,600	49.7	212.9	21,700	145
150	7.7	135.5	26,200*	15.8	154.5	28,600	23.0	170.6	27,400	28.5	181.7	26,300	35.8	194.6	24,300	41.8	203.1	22,400	47.0	208.4	20,600	150
155							16.9	156.4	26,100	23.7	171.2	25,000	32.0	187.0	23,100	38.6	197.0	21,300	44.1	203.4	19,500	155
160							6.0	130.5	24,800	17.8	157.7	23,800	27.9	178.1	22,000	35.1	190.2	20,200	41.0	197.8	18,500	160
165										8.4	135.3	22,600	23.0	167.4	21,000	31.3	182.4	19,300	37.8	191.6	17,600	165
170													16.9	153.2	19,900	27.1	173.3	18,300	34.2	184.6	16,700	170
175													6.0	127.3	18,900	22.0	162.1	17,400	30.3	176.5	15,900	175
180																15.5	146.9	16,600	25.9	166.9	15,100	180
185																			20.6	155.0	14,400	185
190																			13.4	138.1	13,600	190

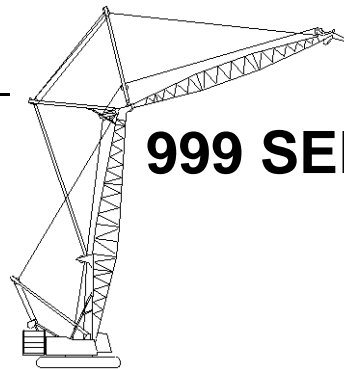


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



110 Ft. Boom, 150 Ft. Jib

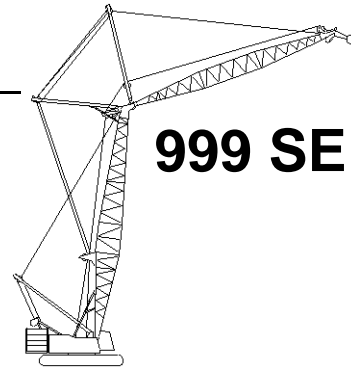
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.5	262.9	76,600*																			50
55	73.5	261.4	75,500*																			55
60	71.5	259.8	74,300*	73.0	260.8	81,500*																60
65	69.4	258.0	73,200*	71.0	259.1	77,100*																65
70	67.4	256.0	69,400*	69.0	257.3	72,000																70
75	65.3	253.7	65,800*	66.9	255.2	65,500	69.2	256.9	62,100													75
80	63.1	251.2	62,000	64.8	252.9	59,900	67.2	254.8	56,700													80
85	61.0	248.5	57,000	62.6	250.4	55,100	62.6	250.4	55,100	67.5	254.1	49,200										85
90	58.8	245.6	52,700	60.5	247.6	50,800	63.0	250.1	48,100	65.4	251.9	45,300										90
95	56.5	242.3	48,800	58.2	244.6	47,100	60.8	247.3	44,500	63.2	249.4	41,900										95
100	54.1	238.8	45,400	55.9	241.3	43,800	58.6	244.4	41,300	61.1	246.8	38,900										100
105	51.7	235.0	42,300	53.6	237.7	40,800	56.3	241.1	38,500	58.9	243.8	36,100	63.0	246.8	32,300							105
110	49.2	230.8	39,600	51.2	233.7	38,100	53.9	237.5	35,900	56.6	240.6	33,700	60.8	244.1	30,100							110
115	46.6	226.2	37,100	48.6	229.5	35,700	51.5	233.7	33,600	54.3	237.1	31,500	58.6	241.1	28,000							115
120	43.9	221.2	34,800	46.0	224.8	33,400	49.0	229.4	31,400	51.8	233.2	29,400	56.3	237.9	26,200							120
125	41.1	215.6	32,700	43.3	219.6	31,400	46.4	224.8	29,500	49.4	229.1	27,600	53.9	234.3	24,400							125
130	38.1	209.4	30,800	40.4	213.9	29,600	43.7	219.7	27,700	46.8	224.5	25,900	51.5	230.4	22,900	55.9	234.2	19,900				130
135	34.8	202.5	29,000	37.3	207.6	27,800	40.8	214.1	26,100	44.1	219.5	24,300	49.0	226.2	21,400	53.5	230.6	18,600				135
140	31.2	194.7	27,400	34.0	200.5	26,200	37.8	207.9	24,600	41.2	214.0	22,900	46.4	221.6	20,100	51.1	226.6	17,400				140
145	27.3	185.6	25,800	30.4	192.4	24,800	34.5	200.9	23,100	38.2	207.8	21,500	43.7	216.5	18,900	48.5	222.3	16,300	52.9	225.8	13,700	145
150	22.7	174.6	24,400	26.3	183.0	23,400	30.9	193.0	21,800	35.0	201.0	20,300	40.8	210.9	17,700	45.9	217.6	15,200	50.5	221.8	12,700	150
155	16.9	160.3	23,000	21.5	171.4	22,100	26.9	183.8	20,600	31.4	193.2	19,100	37.8	204.7	16,600	43.2	212.5	14,200	47.9	217.4	11,800	155
160	7.4	136.1	21,700	15.2	155.8	20,800	22.2	172.6	19,400	27.5	184.1	18,000	34.5	197.7	15,600	40.3	206.7	13,300	45.3	212.6	11,000	160
165							16.3	157.8	18,300	22.9	173.3	17,000	30.9	189.8	14,700	37.2	200.4	12,400	42.5	207.3	10,200	165
170							5.8	130.9	17,200	17.2	159.2	15,900	26.9	180.5	13,800	33.9	193.3	11,600	39.6	201.4	9,500	170
175										8.1	136.0	14,900	22.2	169.3	12,900	30.2	185.1	10,800	36.4	194.9	8,800	175
180													16.3	154.6	12,100	26.1	175.6	10,100	33.0	187.6	8,100	180
185													5.8	127.8	11,200	21.3	163.9	9,400	29.3	179.1	7,500	185
190																14.9	148.2	8,700	25.0	169.2	6,900	190
195																			19.9	156.8	6,300	195
200																			13.0	139.3	5,700	200



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 160 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.5	271.9	68,800*																			55
60	72.7	270.4	67,900*																			60
65	70.8	268.7	66,900*	72.2	269.7	74,700*																65
70	68.9	266.8	65,900*	70.3	268.0	70,800*																70
75	66.9	264.7	64,000*	68.4	266.0	64,900	70.6	267.5	61,500													75
80	65.0	262.4	60,800*	66.5	263.9	59,300	68.7	265.6	56,100													80
85	63.0	259.9	56,500	64.5	261.6	54,500	66.7	263.5	51,500													85
90	60.9	257.2	52,200	62.5	259.0	50,300	64.8	261.2	47,500	67.0	262.9	44,600										90
95	58.8	254.2	48,300	60.4	256.3	46,500	62.8	258.7	43,900	65.0	260.6	41,200										95
100	56.7	251.0	44,900	58.3	253.2	43,200	60.7	256.0	40,700	63.0	258.1	38,200										100
105	54.5	247.6	41,800	56.2	250.0	40,200	58.6	253.0	37,900	61.0	255.4	35,500										105
110	52.3	243.8	39,100	54.0	246.4	37,600	56.5	249.8	35,300	58.9	252.5	33,000	62.8	255.5	29,300							110
115	50.0	239.7	36,600	51.7	242.6	35,100	54.3	246.3	33,000	56.8	249.3	30,800	60.7	252.8	27,300							115
120	47.6	235.2	34,300	49.4	238.4	32,900	52.1	242.5	30,900	54.6	245.8	28,800	58.6	249.8	25,500							120
125	45.1	230.4	32,200	47.0	233.8	30,900	49.8	238.3	28,900	52.4	242.0	27,000	56.5	246.6	23,800							125
130	42.5	225.1	30,300	44.5	228.9	29,000	47.3	233.9	27,200	50.1	238.0	25,300	54.3	243.0	22,200							130
135	39.7	219.2	28,500	41.8	223.5	27,300	44.8	229.0	25,500	47.7	233.5	23,700	52.1	239.2	20,800	56.1	242.9	17,900				135
140	36.8	212.8	26,900	39.0	217.5	25,700	42.2	223.6	24,000	45.2	228.7	22,300	49.8	235.1	19,400	53.9	239.3	16,700				140
145	33.6	205.6	25,400	36.1	210.9	24,300	39.5	217.7	22,600	42.6	223.4	20,900	47.3	230.6	18,200	51.7	235.4	15,500				145
150	30.2	197.4	24,000	32.9	203.5	22,900	36.5	211.2	21,300	39.8	217.6	19,700	44.8	225.7	17,100	49.3	231.3	14,500				150
155	26.4	187.9	22,600	29.4	195.0	21,600	33.4	203.9	20,100	36.9	211.2	18,500	42.2	220.4	16,000	46.9	226.7	13,500	51.1	230.6	11,100	155
160	21.9	176.5	21,400	25.4	185.2	20,400	29.9	195.7	18,900	33.8	204.0	17,400	39.5	214.5	15,000	44.4	221.7	12,600	48.7	226.3	10,300	160
165	16.3	161.7	20,200	20.7	173.2	19,200	26.0	186.1	17,800	30.4	195.9	16,400	36.5	208.0	14,100	41.7	216.3	11,700	46.3	221.7	9,500	165
170	7.2	136.7	19,000	14.7	157.1	18,100	21.5	174.4	16,800	26.6	186.5	15,400	33.4	200.7	13,200	38.9	210.3	10,900	43.7	216.6	8,700	170
175							15.7	159.2	15,800	22.1	175.2	14,500	29.9	192.4	12,300	36.0	203.7	10,200	41.1	211.0	8,100	175
180							5.6	131.4	14,800	16.6	160.6	13,600	26.0	182.8	11,500	32.8	196.2	9,400	38.2	204.9	7,400	180
185										7.8	136.6	12,700	21.5	171.2	10,800	29.2	187.7	8,800	35.2	198.1	6,800	185
190													15.7	156.0	10,000	25.3	177.8	8,100	31.9	190.4	6,200	190
195													5.6	128.2	9,300	20.6	165.7	7,500	28.3	181.6	5,600	195
200																14.4	149.4	6,800	24.2	171.3	5,100	200
205																			19.3	158.4	4,500	205
210																			12.5	140.3	4,000	210

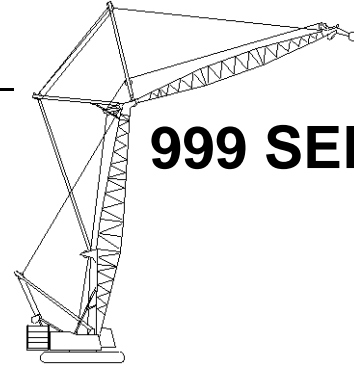


Liftcrane Luffing Jib Capacities

999 SERIES 2

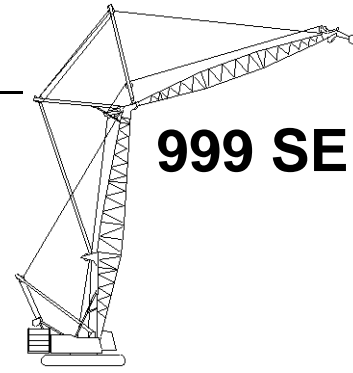
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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



110 Ft. Boom, 170 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.5	282.2	62,900*																			55
60	73.7	280.8	62,000*																			60
65	71.9	279.2	61,200*	73.3	280.2	71,000*																65
70	70.2	277.5	60,400*	71.5	278.6	68,800*																70
75	68.4	275.5	59,600*	69.7	276.8	64,500																75
80	66.5	273.4	58,800*	67.9	274.8	58,900	70.0	276.4	55,600													80
85	64.7	271.1	56,100	66.1	272.6	54,100	68.2	274.4	51,000													85
90	62.8	268.6	51,700	64.2	270.3	49,800	66.4	272.3	47,000													90
95	60.9	265.9	47,900	62.3	267.7	46,100	64.5	269.9	43,400	66.6	271.6	40,700										95
100	58.9	262.9	44,500	60.4	264.9	42,800	62.6	267.4	40,200	64.8	269.3	37,700										100
105	56.9	259.7	41,400	58.4	261.9	39,800	60.7	264.7	37,400	62.9	266.8	35,000										105
110	54.9	256.3	38,600	56.4	258.7	37,100	58.7	261.7	34,800	60.9	264.1	32,500										110
115	52.8	252.6	36,100	54.4	255.2	34,700	56.7	258.5	32,500	59.0	261.1	30,300	62.6	264.2	26,800							115
120	50.6	248.5	33,900	52.3	251.4	32,500	54.7	255.0	30,400	57.0	258.0	28,300	60.7	261.4	24,900							120
125	48.4	244.2	31,800	50.1	247.3	30,500	52.6	251.3	28,500	55.0	254.5	26,500	58.7	258.4	23,200							125
130	46.1	239.5	29,900	47.8	242.9	28,600	50.4	247.2	26,700	52.9	250.8	24,800	56.7	255.2	21,700							130
135	43.6	234.4	28,100	45.5	238.1	26,900	48.2	242.8	25,100	50.7	246.8	23,200	54.7	251.8	20,300							135
140	41.1	228.8	26,500	43.1	232.9	25,300	45.8	238.1	23,600	48.5	242.5	21,800	52.6	248.0	18,900	56.4	251.6	16,100				140
145	38.5	222.7	25,000	40.5	227.2	23,800	43.4	233.0	22,200	46.2	237.8	20,500	50.4	244.0	17,700	54.3	248.0	15,000				145
150	35.6	216.0	23,600	37.8	220.9	22,500	40.9	227.4	20,900	43.8	232.7	19,200	48.2	239.6	16,600	52.2	244.2	14,000				150
155	32.6	208.5	22,200	34.9	214.1	21,200	38.2	221.2	19,600	41.2	227.2	18,100	45.8	234.9	15,500	50.0	240.1	13,000				155
160	29.3	200.0	21,000	31.9	206.3	20,000	35.4	214.4	18,500	38.6	221.1	17,000	43.4	229.7	14,500	47.7	235.7	12,100	51.7	239.4	9,700	160
165	25.6	190.2	19,800	28.5	197.6	18,900	32.3	206.8	17,400	35.8	214.4	16,000	40.9	224.1	13,600	45.4	230.9	11,200	49.5	235.3	8,900	165
170	21.2	178.4	18,700	24.6	187.4	17,800	29.0	198.3	16,400	32.7	207.0	15,000	38.2	218.0	12,700	43.0	225.7	10,400	47.2	230.7	8,200	170
175	15.8	163.1	17,700	20.1	175.0	16,800	25.2	188.3	15,500	29.4	198.5	14,100	35.4	211.2	11,900	40.4	220.0	9,700	44.8	225.8	7,500	175
180	6.9	137.2	16,600	14.3	158.3	15,800	20.8	176.3	14,600	25.7	188.8	13,300	32.3	203.6	11,100	37.7	213.7	9,000	42.4	220.5	6,900	180
185							15.2	160.5	13,700	21.5	177.1	12,400	29.0	195.0	10,300	34.8	206.8	8,300	39.8	214.7	6,300	185
190							5.4	131.8	12,800	16.1	162.0	11,600	25.2	185.1	9,600	31.7	199.1	7,600	37.0	208.3	5,700	190
195										7.6	137.3	10,800	20.8	173.0	9,000	28.3	190.3	7,000	34.1	201.2	5,100	195
200													15.2	157.3	8,300	24.5	180.0	6,400	30.9	193.2	4,600	200
205													5.4	128.7	7,600	19.9	167.5	5,900	27.4	184.1	4,100	205
210																14.0	150.6	5,300				210



Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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

110 Ft. Boom, 180 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.6	291.2	56,500*																			60
65	73.0	289.7	55,900*																			65
70	71.3	288.1	55,300*	72.6	289.1	63,700*																70
75	69.6	286.3	54,600*	70.9	287.4	63,300*																75
80	67.9	284.3	53,900*	69.2	285.6	58,300																80
85	66.2	282.1	53,200*	67.5	283.5	53,500	69.5	285.2	50,400													85
90	64.4	279.8	51,200	65.8	281.3	49,300	67.7	283.2	46,300													90
95	62.6	277.3	47,400	64.0	278.9	45,500	66.0	281.0	42,800	68.0	282.5	40,000										95
100	60.8	274.5	43,900	62.2	276.4	42,200	64.3	278.6	39,600	66.2	280.3	37,000										100
105	59.0	271.6	40,900	60.4	273.6	39,200	62.5	276.1	36,800	64.5	278.0	34,300										105
110	57.1	268.4	38,100	58.5	270.6	36,500	60.6	273.3	34,200	62.7	275.5	31,900										110
115	55.2	265.0	35,600	56.6	267.3	34,100	58.8	270.3	31,900	60.9	272.7	29,700										115
120	53.2	261.3	33,300	54.7	263.9	31,900	56.9	267.2	29,800	59.0	269.8	27,700	62.5	272.8	24,200							120
125	51.2	257.4	31,300	52.7	260.1	29,900	55.0	263.7	27,900	57.2	266.6	25,900	60.6	270.1	22,500							125
130	49.1	253.1	29,300	50.7	256.1	28,000	53.0	260.0	26,100	55.2	263.2	24,200	58.8	267.1	21,000							130
135	46.9	248.6	27,600	48.6	251.8	26,300	51.0	256.1	24,500	53.3	259.6	22,600	56.9	263.9	19,600							135
140	44.7	243.6	26,000	46.4	247.2	24,800	48.9	251.8	23,000	51.2	255.7	21,200	55.0	260.5	18,300							140
145	42.3	238.3	24,500	44.1	242.1	23,300	46.7	247.2	21,600	49.2	251.4	19,900	53.0	256.8	17,000	56.6	260.2	14,300				145
150	39.9	232.5	23,100	41.8	236.7	21,900	44.5	242.2	20,300	47.0	246.9	18,600	51.0	252.8	15,900	54.6	256.8	13,200				150
155	37.3	226.1	21,700	39.3	230.8	20,700	42.1	236.8	19,100	44.8	242.0	17,500	48.9	248.6	14,800	52.6	253.0	12,300				155
160	34.6	219.1	20,500	36.7	224.3	19,500	39.7	231.0	17,900	42.5	236.6	16,400	46.7	244.0	13,900	50.6	249.0	11,400				160
165	31.6	211.3	19,400	33.9	217.1	18,400	37.1	224.6	16,900	40.0	230.8	15,400	44.5	239.0	12,900	48.5	244.7	10,500	52.1	248.2	8,200	165
170	28.4	202.6	18,300	30.9	209.1	17,300	34.3	217.5	15,900	37.5	224.5	14,400	42.1	233.6	12,100	46.3	240.0	9,700	50.1	244.1	7,500	170
175	24.8	192.4	17,200	27.6	200.0	16,300	31.4	209.7	14,900	34.7	217.6	13,500	39.7	227.8	11,200	44.1	235.0	9,000	48.0	239.7	6,800	175
180	20.6	180.2	16,300	23.9	189.5	15,400	28.1	200.8	14,000	31.8	209.8	12,700	37.1	221.4	10,500	41.7	229.5	8,300	45.8	235.0	6,200	180
185	15.4	164.4	15,300	19.5	176.7	14,500	24.5	190.5	13,200	28.6	201.1	11,900	34.3	214.3	9,700	39.2	223.6	7,600	43.5	229.8	5,600	185
190	6.7	137.8	14,400	13.8	159.5	13,600	20.2	178.0	12,400	25.0	191.0	11,100	31.4	206.4	9,000	36.6	217.1	7,000	41.1	224.3	5,000	190
195							14.8	161.8	11,600	20.8	178.9	10,400	28.1	197.5	8,400	33.8	209.9	6,400	38.6	218.2	4,400	195
200							5.3	132.3	10,800	15.6	163.4	9,700	24.5	187.2	7,700	30.8	201.8	5,800				200
205										7.4	137.9	8,900	20.2	174.8	7,100	27.5	192.7	5,300				205
210													14.8	158.6	6,500	23.8	182.1	4,700				210
215													5.3	129.1	5,900	19.3	169.2	4,200				215

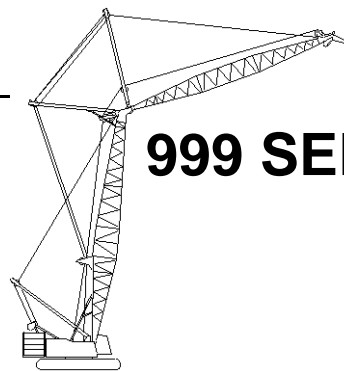


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



110 Ft. Boom, 190 Ft. Jib

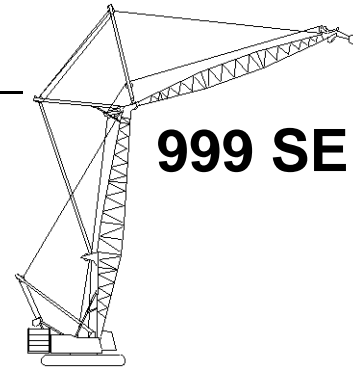
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.5	301.6	50,800*																			60
65	73.9	300.2	50,400*																			65
70	72.3	298.6	50,000*	73.5	299.6	57,100*																70
75	70.7	296.9	49,700*	72.0	298.0	56,800*																75
80	69.1	295.1	49,100*	70.4	296.2	56,500*																80
85	67.5	293.0	48,400*	68.7	294.3	53,200	70.6	295.8	50,100													85
90	65.9	290.8	47,800*	67.1	292.3	49,000	69.0	294.0	46,000													90
95	64.2	288.5	47,100	65.5	290.0	45,200	67.4	291.9	42,500													95
100	62.5	285.9	43,600	63.8	287.6	41,900	65.7	289.7	39,300	67.6	291.2	36,700										100
105	60.8	283.2	40,600	62.1	285.0	38,900	64.0	287.3	36,500	65.9	289.0	34,000										105
110	59.0	280.2	37,800	60.4	282.2	36,300	62.3	284.7	33,900	64.3	286.7	31,600										110
115	57.2	277.1	35,300	58.6	279.2	33,800	60.6	282.0	31,600	62.6	284.1	29,400										115
120	55.4	273.7	33,100	56.8	276.0	31,600	58.9	279.0	29,500	60.8	281.4	27,400										120
125	53.6	270.1	31,000	55.0	272.6	29,600	57.1	275.8	27,600	59.1	278.5	25,600	62.3	281.5	22,200							125
130	51.6	266.2	29,100	53.1	268.9	27,800	55.2	272.4	25,800	57.3	275.3	23,900	60.6	278.7	20,700							130
135	49.7	262.0	27,300	51.2	265.0	26,100	53.4	268.8	24,200	55.5	271.9	22,300	58.9	275.8	19,300							135
140	47.7	257.6	25,700	49.2	260.8	24,500	51.5	264.9	22,700	53.6	268.3	20,900	57.1	272.6	18,000							140
145	45.6	252.8	24,200	47.2	256.2	23,000	49.5	260.7	21,300	51.7	264.5	19,600	55.3	269.2	16,700							145
150	43.4	247.6	22,800	45.1	251.3	21,700	47.5	256.2	20,000	49.8	260.3	18,300	53.4	265.6	15,600	56.7	268.9	12,900				150
155	41.2	242.1	21,500	42.9	246.1	20,400	45.4	251.4	18,800	47.8	255.9	17,200	51.5	261.7	14,600	54.9	265.5	12,000				155
160	38.8	236.0	20,300	40.6	240.4	19,200	43.2	246.2	17,700	45.7	251.1	16,100	49.5	257.5	13,600	53.0	261.8	11,100				160
165	36.3	229.4	19,100	38.2	234.2	18,100	40.9	240.6	16,600	43.5	246.0	15,100	47.5	253.0	12,700	51.1	257.8	10,200				165
170	33.6	222.2	18,000	35.7	227.5	17,100	38.6	234.5	15,600	41.3	240.4	14,200	45.4	248.2	11,800	49.1	253.6	9,400	52.6	257.0	7,200	170
175	30.8	214.1	17,000	33.0	220.1	16,100	36.1	227.8	14,700	38.9	234.4	13,300	43.2	243.0	11,000	47.1	249.1	8,700	50.6	253.0	6,500	175
180	27.6	205.0	16,100	30.1	211.8	15,200	33.4	220.5	13,800	36.4	227.8	12,400	40.9	237.4	10,200	45.0	244.2	8,000	48.7	248.7	5,900	180
185	24.1	194.5	15,100	26.9	202.4	14,300	30.5	212.4	13,000	33.8	220.6	11,600	38.6	231.3	9,500	42.8	238.9	7,300	46.6	244.1	5,300	185
190	20.1	182.0	14,300	23.2	191.5	13,400	27.3	203.2	12,200	30.9	212.6	10,900	36.1	224.6	8,800	40.5	233.2	6,700	44.5	239.1	4,700	190
195	14.9	165.7	13,400	19.0	178.3	12,600	23.8	192.6	11,400	27.8	203.5	10,200	33.4	217.3	8,100	38.1	227.0	6,100	42.3	233.7	4,200	195
200	6.5	138.3	12,600	13.5	160.7	11,800	19.7	179.8	10,700	24.3	193.1	9,500	30.5	209.2	7,500	35.6	220.3	5,500				200
205				14.4	163.0	10,000	20.3	180.7	8,800	20.3	180.7	8,800	27.3	200.0	6,900	32.9	212.8	5,000				205
210				5.1	132.7	9,200	15.2	164.7	8,200	15.2	164.7	8,200	23.8	189.3	6,300	30.0	204.5	4,500				210
215									7.2	138.5	7,500	19.7	176.5	5,800	26.7	195.1	4,000					215
220												14.4	159.8	5,200								220
225												5.1	129.5	4,600								225



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 200 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	74.7	310.6	45,700*																65
70	73.2	309.1	45,300*																70
75	71.7	307.5	44,900*	72.9	308.5	51,400*													75
80	70.2	305.8	44,500*	71.4	306.8	51,000*													80
85	68.7	303.9	44,100*	69.9	305.1	50,600*													85
90	67.1	301.8	43,800*	68.3	303.1	48,400	70.1	304.7	45,400										90
95	65.6	299.6	43,300*	66.8	301.0	44,700	68.5	302.7	41,900										95
100	64.0	297.2	42,800*	65.2	298.7	41,400	67.0	300.6	38,700										100
105	62.4	294.6	40,100	63.6	296.3	38,400	65.4	298.4	35,900	67.2	300.0	33,400							105
110	60.7	291.8	37,300	62.0	293.7	35,700	63.8	296.0	33,300	65.6	297.7	30,900							110
115	59.1	288.9	34,800	60.3	290.9	33,300	62.2	293.4	31,000	64.0	295.4	28,700							115
120	57.4	285.8	32,500	58.7	287.9	31,100	60.6	290.6	28,900	62.4	292.8	26,800							120
125	55.7	282.4	30,500	57.0	284.7	29,100	58.9	287.7	27,000	60.8	290.1	24,900							125
130	53.9	278.8	28,600	55.2	281.3	27,200	57.2	284.5	25,200	59.1	287.1	23,300	62.2	290.2	20,000				130
135	52.1	275.0	26,800	53.5	277.7	25,500	55.5	281.1	23,600	57.5	284.0	21,700	60.6	287.4	18,600				135
140	50.2	270.9	25,200	51.7	273.8	23,900	53.7	277.5	22,100	55.7	280.6	20,300	58.9	284.4	17,300				140
145	48.3	266.6	23,700	49.8	269.6	22,500	51.9	273.7	20,700	54.0	277.1	19,000	57.2	281.3	16,100				145
150	46.4	261.9	22,300	47.9	265.2	21,100	50.1	269.6	19,400	52.2	273.3	17,700	55.5	277.9	14,900				150
155	44.4	256.9	21,000	45.9	260.5	19,900	48.2	265.2	18,200	50.3	269.2	16,600	53.7	274.3	13,900	56.9	277.6	11,300	155
160	42.2	251.5	19,800	43.9	255.4	18,700	46.2	260.5	17,100	48.4	264.9	15,500	51.9	270.5	12,900	55.2	274.2	10,400	160
165	40.1	245.7	18,600	41.7	249.9	17,600	44.2	255.5	16,100	46.5	260.2	14,500	50.1	266.4	12,000	53.4	270.6	9,500	165
170	37.8	239.5	17,500	39.5	244.0	16,500	42.1	250.1	15,100	44.4	255.2	13,600	48.2	262.0	11,100	51.6	266.7	8,800	170
175	35.3	232.6	16,500	37.2	237.6	15,600	39.9	244.2	14,100	42.3	249.9	12,700	46.2	257.3	10,300	49.7	262.5	8,000	175
180	32.7	225.1	15,600	34.7	230.6	14,600	37.5	237.9	13,200	40.2	244.1	11,900	44.2	252.3	9,600	47.8	258.1	7,300	180
185	30.0	216.8	14,700	32.1	223.0	13,800	35.1	231.0	12,400	37.9	237.8	11,100	42.1	246.8	8,800	45.8	253.3	6,700	185
190	26.9	207.4	13,800	29.3	214.4	12,900	32.5	223.4	11,600	35.4	231.0	10,300	39.9	241.0	8,200	43.8	248.2	6,000	190
195	23.5	196.6	13,000	26.2	204.7	12,100	29.7	215.0	10,900	32.9	223.6	9,600	37.5	234.7	7,500	41.7	242.7	5,500	195
200	19.5	183.7	12,200	22.6	193.5	11,400	26.6	205.6	10,200	30.1	215.3	8,900	35.1	227.8	6,900	39.4	236.8	4,900	200
205	14.5	167.0	11,400	18.5	179.9	10,700	23.2	194.6	9,500	27.1	205.9	8,300	32.5	220.2	6,300	37.1	230.4	4,400	205
210	6.4	138.9	10,700	13.1	161.8	9,900	19.1	181.4	8,800	23.7	195.2	7,700	29.7	211.8	5,700				210
215							14.0	164.2	8,200	19.7	182.4	7,100	26.6	202.3	5,200				215
220							5.0	133.1	7,500	14.8	166.0	6,500	23.2	191.4	4,700				220
225										7.0	139.0	5,900	19.1	178.2	4,200				225

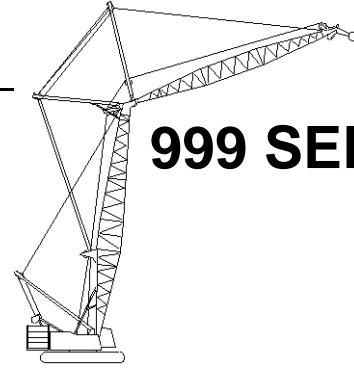


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



110 Ft. Boom, 210 Ft. Jib

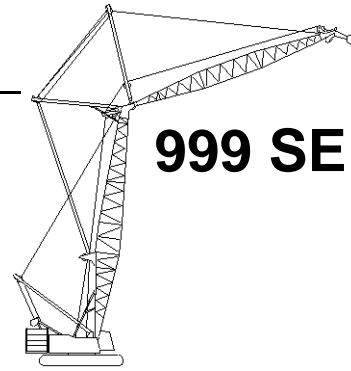
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.5	321.0	41,600*																65
70	74.1	319.6	41,200*																70
75	72.6	318.0	40,800*	73.7	319.0	46,500*													75
80	71.2	316.4	40,400*	72.3	317.4	46,200*													80
85	69.7	314.6	40,000*	70.9	315.7	45,800*													85
90	68.3	312.6	39,600*	69.4	313.9	45,400*													90
95	66.8	310.5	39,300*	67.9	311.9	44,200	69.6	313.5	41,400										95
100	65.3	308.3	38,900*	66.5	309.7	40,900	68.1	311.5	38,200										100
105	63.8	305.8	38,600*	65.0	307.4	37,900	66.7	309.4	35,400										105
110	62.3	303.3	36,800	63.4	305.0	35,200	65.2	307.1	32,800	66.9	308.7	30,400							110
115	60.7	300.5	34,300	61.9	302.3	32,800	63.7	304.7	30,500	65.4	306.5	28,200							115
120	59.1	297.6	32,100	60.3	299.5	30,600	62.1	302.1	28,400	63.9	304.0	26,200							120
125	57.5	294.4	30,000	58.7	296.6	28,600	60.6	299.3	26,500	62.3	301.5	24,400							125
130	55.9	291.1	28,100	57.1	293.4	26,800	59.0	296.3	24,700	60.8	298.7	22,700							130
135	54.2	287.6	26,300	55.5	290.0	25,100	57.4	293.2	23,100	59.2	295.8	21,200	62.1	298.8	18,000				135
140	52.5	283.8	24,700	53.8	286.4	23,500	55.7	289.8	21,600	57.6	292.7	19,800	60.6	296.1	16,700				140
145	50.7	279.8	23,200	52.1	282.6	22,000	54.0	286.3	20,200	55.9	289.3	18,500	59.0	293.1	15,500				145
150	48.9	275.5	21,800	50.3	278.5	20,700	52.3	282.5	19,000	54.3	285.8	17,200	57.4	290.0	14,400				150
155	47.1	270.9	20,500	48.5	274.2	19,400	50.6	278.5	17,800	52.6	282.0	16,100	55.7	286.6	13,400				155
160	45.2	266.1	19,300	46.7	269.6	18,200	48.8	274.2	16,600	50.8	278.0	15,000	54.0	283.0	12,400	57.1	286.3	9,800	160
165	43.2	260.9	18,200	44.7	264.6	17,100	46.9	269.6	15,600	49.0	273.8	14,000	52.3	279.3	11,500	55.4	282.9	9,000	165
170	41.2	255.3	17,100	42.8	259.3	16,100	45.0	264.7	14,600	47.2	269.2	13,100	50.6	275.2	10,600	53.7	279.3	8,200	170
175	39.0	249.3	16,100	40.7	253.7	15,100	43.0	259.4	13,700	45.3	264.4	12,200	48.8	270.9	9,800	52.0	275.5	7,500	175
180	36.8	242.8	15,100	38.5	247.5	14,200	41.0	253.8	12,800	43.3	259.2	11,400	46.9	266.3	9,100	50.3	271.4	6,800	180
185	34.4	235.7	14,200	36.3	240.9	13,300	38.8	247.8	12,000	41.3	253.6	10,600	45.0	261.5	8,300	48.4	267.0	6,100	185
190	31.9	228.0	13,400	33.9	233.7	12,500	36.6	241.2	11,200	39.1	247.7	9,800	43.0	256.2	7,700	46.6	262.4	5,500	190
195	29.2	219.4	12,600	31.3	225.8	11,700	34.2	234.1	10,400	36.9	241.2	9,100	41.0	250.6	7,000	44.7	257.5	4,900	195
200	26.3	209.7	11,800	28.5	217.0	11,000	31.7	226.3	9,700	34.6	234.1	8,500	38.8	244.5	6,400	42.7	252.2	4,400	200
205	22.9	198.6	11,100	25.5	207.0	10,300	29.0	217.6	9,000	32.0	226.4	7,800	36.6	238.0	5,800				205
210	19.1	185.4	10,400	22.1	195.5	9,600	26.0	207.9	8,400	29.3	217.9	7,200	34.2	230.9	5,300				210
215	14.2	168.2	9,700	18.0	181.5	8,900	22.6	196.6	7,800	26.4	208.3	6,600	31.7	223.1	4,700				215
220	6.2	139.4	9,000	12.8	162.9	8,300	18.7	183.1	7,200	23.1	197.3	6,100	29.0	214.4	4,200				220
225							13.7	165.4	6,600	19.3	184.1	5,500							225
230							4.8	133.5	6,000	14.4	167.2	5,000							230
235										6.8	139.6	4,400							235



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 220 Ft. Jib

Jib 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			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
70	74.8	330.0	37,400*																70	
75	73.4	328.5	37,000*																75	
80	72.1	326.9	36,600*	73.1	327.9	41,900*													80	
85	70.7	325.2	36,200*	71.8	326.3	41,500*													85	
90	69.3	323.4	35,900*	70.4	324.5	41,100*													90	
95	67.9	321.4	35,500*	69.0	322.6	40,700*	70.6	324.1	39,600*										95	
100	66.5	319.2	35,200*	67.6	320.6	40,300*	69.2	322.2	37,600										100	
105	65.1	317.0	34,800*	66.2	318.4	37,300	67.8	320.2	34,800										105	
110	63.6	314.5	34,500*	64.7	316.1	34,700	66.4	318.1	32,200	68.0	319.6	29,800							110	
115	62.2	311.9	33,800	63.3	313.6	32,300	64.9	315.8	29,900	66.6	317.4	27,600							115	
120	60.7	309.2	31,500	61.8	311.0	30,100	63.5	313.3	27,800	65.1	315.2	25,600							120	
125	59.2	306.2	29,500	60.3	308.2	28,000	62.0	310.7	25,900	63.7	312.7	23,800							125	
130	57.6	303.1	27,600	58.8	305.2	26,200	60.5	308.0	24,100	62.2	310.1	22,100							130	
135	56.1	299.8	25,800	57.3	302.1	24,500	59.0	305.0	22,500	60.7	307.4	20,600							135	
140	54.5	296.3	24,200	55.7	298.7	22,900	57.5	301.9	21,000	59.2	304.4	19,200	62.0	307.5	16,100				140	
145	52.8	292.6	22,700	54.1	295.2	21,500	55.9	298.5	19,700	57.7	301.3	17,800	60.5	304.7	14,900				145	
150	51.2	288.6	21,300	52.5	291.4	20,100	54.3	295.0	18,400	56.1	298.0	16,600	59.0	301.8	13,700				150	
155	49.5	284.4	20,000	50.8	287.4	18,900	52.7	291.3	17,200	54.5	294.5	15,500	57.5	298.6	12,700				155	
160	47.7	280.0	18,800	49.1	283.1	17,700	51.0	287.3	16,100	52.9	290.8	14,400	55.9	295.3	11,700				160	
165	45.9	275.2	17,600	47.3	278.6	16,600	49.3	283.1	15,000	51.3	286.9	13,400	54.3	291.8	10,800	57.2	295.0	8,300	165	
170	44.1	270.2	16,600	45.5	273.8	15,600	47.6	278.6	14,000	49.6	282.7	12,500	52.7	288.0	10,000	55.6	291.6	7,500	170	
175	42.2	264.8	15,600	43.6	268.6	14,600	45.8	273.8	13,100	47.8	278.2	11,600	51.0	284.1	9,200	54.0	288.0	6,800	175	
180	40.2	259.0	14,600	41.7	263.2	13,700	43.9	268.7	12,200	46.0	273.5	10,800	49.3	279.8	8,400	52.4	284.3	6,100	180	
185	38.1	252.8	13,700	39.7	257.3	12,800	42.0	263.3	11,400	44.2	268.5	10,000	47.6	275.4	7,700	50.7	280.2	5,500	185	
190	35.9	246.0	12,900	37.6	250.9	12,000	40.0	257.5	10,600	42.3	263.1	9,300	45.8	270.6	7,000	49.0	276.0	4,800	190	
195	33.6	238.7	12,100	35.4	244.1	11,200	37.9	251.2	9,900	40.3	257.3	8,600	43.9	265.5	6,400	47.3	271.4	4,300	195	
200	31.2	230.8	11,300	33.1	236.7	10,500	35.7	244.5	9,200	38.2	251.1	7,900	42.0	260.1	5,800				200	
205	28.5	221.9	10,600	30.6	228.5	9,700	33.4	237.1	8,500	36.0	244.4	7,300	40.0	254.2	5,200				205	
210	25.6	212.0	9,900	27.9	219.4	9,100	30.9	229.1	7,900	33.7	237.2	6,600	37.9	248.0	4,600				210	
215	22.4	200.6	9,200	24.9	209.2	8,400	28.3	220.1	7,200	31.3	229.2	6,100	35.7	241.2	4,100				215	
220	18.6	187.0	8,600	21.6	197.4	7,800	25.4	210.1	6,700	28.7	220.4	5,500							220	
225	13.9	169.4	7,900	17.6	183.1	7,200	22.1	198.5	6,100	25.8	210.6	5,000							225	
230	6.0	139.9	7,300	12.5	164.0	6,600	18.2	184.7	5,500	22.5	199.2	4,500							230	
235				13.3	166.6	5,000	18.8	185.8	4,000											235
240				4.7	133.9	4,400														240

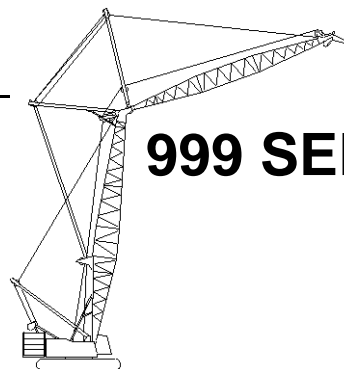


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



110 Ft. Boom, 230 Ft. Jib

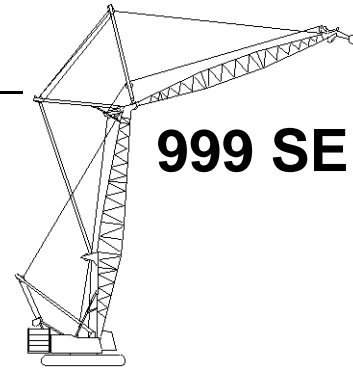
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.5	340.3	35,100*																70
75	74.2	339.0	34,700*																75
80	72.9	337.4	34,400*	73.9	338.3	39,700*													80
85	71.6	335.8	34,100*	72.6	336.8	39,400*													85
90	70.3	334.0	33,700*	71.3	335.1	39,000*													90
95	68.9	332.2	33,400*	69.9	333.3	38,700*													95
100	67.6	330.1	33,100*	68.6	331.4	38,400*	70.1	332.9	37,100										100
105	66.2	328.0	32,800*	67.3	329.4	36,900	68.8	331.0	34,300										105
110	64.9	325.7	32,400*	65.9	327.2	34,200	67.5	329.0	31,800										110
115	63.5	323.2	32,100*	64.5	324.8	31,800	66.1	326.8	29,500	67.6	328.3	27,100							115
120	62.1	320.6	31,100*	63.1	322.3	29,600	64.7	324.5	27,400	66.3	326.2	25,200							120
125	60.6	317.8	29,100	61.7	319.7	27,600	63.3	322.0	25,500	64.9	323.8	23,300							125
130	59.2	314.9	27,200	60.3	316.9	25,800	61.9	319.4	23,700	63.5	321.4	21,700							130
135	57.7	311.8	25,400	58.8	313.9	24,100	60.5	316.6	22,100	62.1	318.8	20,100							135
140	56.2	308.5	23,800	57.4	310.7	22,500	59.1	313.7	20,600	60.7	316.0	18,700							140
145	54.7	305.0	22,300	55.9	307.4	21,100	57.6	310.5	19,200	59.3	313.1	17,400	61.9	316.2	14,400				145
150	53.2	301.3	20,900	54.4	303.9	19,700	56.1	307.2	18,000	57.8	310.0	16,200	60.5	313.4	13,300				150
155	51.6	297.4	19,600	52.8	300.2	18,500	54.6	303.7	16,800	56.3	306.7	15,100	59.1	310.4	12,300				155
160	50.0	293.3	18,400	51.2	296.2	17,300	53.0	300.0	15,600	54.8	303.3	14,000	57.6	307.3	11,300				160
165	48.3	288.9	17,300	49.6	292.0	16,200	51.4	296.1	14,600	53.2	299.6	13,000	56.1	304.0	10,400				165
170	46.6	284.3	16,200	47.9	287.6	15,200	49.8	292.0	13,600	51.7	295.7	12,100	54.6	300.5	9,600	57.3	303.6	7,100	170
175	44.9	279.4	15,200	46.2	282.9	14,200	48.2	287.6	12,700	50.0	291.6	11,200	53.0	296.8	8,800	55.8	300.3	6,400	175
180	43.1	274.1	14,200	44.5	277.9	13,300	46.5	282.9	11,800	48.4	287.2	10,400	51.4	292.9	8,000	54.3	296.8	5,700	180
185	41.2	268.5	13,300	42.6	272.6	12,400	44.7	278.0	11,000	46.7	282.6	9,600	49.8	288.7	7,300	52.7	293.0	5,000	185
190	39.3	262.5	12,500	40.8	266.9	11,600	42.9	272.7	10,200	45.0	277.7	8,900	48.2	284.3	6,600	51.2	289.1	4,400	190
195	37.2	256.1	11,700	38.8	260.8	10,800	41.0	267.1	9,500	43.2	272.4	8,200	46.5	279.7	6,000				195
200	35.1	249.2	10,900	36.7	254.3	10,100	39.1	261.0	8,800	41.3	266.9	7,500	44.7	274.7	5,400				200
205	32.9	241.7	10,200	34.6	247.2	9,400	37.0	254.6	8,100	39.3	260.9	6,900	42.9	269.4	4,800				205
210	30.5	233.5	9,500	32.3	239.6	8,700	34.9	247.6	7,500	37.3	254.5	6,300	41.0	263.8	4,300				210
215	27.9	224.4	8,900	29.9	231.2	8,100	32.6	240.0	6,900	35.2	247.6	5,700							215
220	25.1	214.2	8,200	27.2	221.9	7,500	30.2	231.8	6,300	33.0	240.1	5,100							220
225	21.9	202.5	7,600	24.3	211.4	6,900	27.6	222.6	5,700	30.6	232.0	4,600							225
230	18.2	188.6	7,000	21.1	199.2	6,300	24.8	212.3	5,200	28.0	222.9	4,100							230
235	13.5	170.6	6,500	17.2	184.6	5,800	21.6	200.4	4,700										235
240	5.9	140.4	5,900	12.2	165.1	5,200	17.8	186.2	4,200										240



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

110 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75	74.9	349.3	31,600*													75
80	73.6	347.9	31,300*													80
85	72.4	346.3	31,000*	73.3	347.3	35,700*										85
90	71.1	344.7	30,700*	72.1	345.7	35,400*										90
95	69.8	342.9	30,300*	70.8	344.0	35,100*										95
100	68.6	340.9	30,000*	69.5	342.1	34,800*	71.0	343.6	34,200*							100
105	67.3	338.9	29,700*	68.3	340.2	34,400*	69.7	341.7	33,700							105
110	66.0	336.7	29,400*	67.0	338.1	33,700	68.4	339.8	31,200							110
115	64.7	334.3	29,100*	65.7	335.9	31,300	67.2	337.7	28,900							115
120	63.3	331.9	28,800*	64.3	333.5	29,100	65.9	335.5	26,800	67.3	337.1	24,500				120
125	62.0	329.3	28,500*	63.0	331.0	27,100	64.5	333.2	24,900	66.0	334.9	22,700				125
130	60.6	326.5	26,600	61.7	328.3	25,200	63.2	330.7	23,100	64.7	332.5	21,100				130
135	59.2	323.5	24,900	60.3	325.5	23,500	61.9	328.1	21,500	63.4	330.1	19,500				135
140	57.8	320.5	23,300	58.9	322.6	22,000	60.5	325.3	20,000	62.0	327.5	18,100				140
145	56.4	317.2	21,800	57.5	319.4	20,500	59.1	322.3	18,700	60.7	324.7	16,800				145
150	54.9	313.7	20,400	56.1	316.1	19,200	57.7	319.2	17,400	59.3	321.8	15,600	61.9	324.8	12,700	150
155	53.5	310.1	19,100	54.6	312.6	17,900	56.3	315.9	16,200	57.9	318.7	14,500	60.5	322.0	11,600	155
160	52.0	306.2	17,900	53.1	308.9	16,700	54.8	312.5	15,100	56.5	315.4	13,400	59.1	319.1	10,700	160
165	50.4	302.2	16,700	51.6	305.0	15,700	53.3	308.8	14,000	55.0	312.0	12,400	57.7	316.0	9,800	165
170	48.8	297.9	15,700	50.1	300.9	14,600	51.8	304.9	13,000	53.5	308.3	11,500	56.3	312.7	8,900	170
175	47.2	293.3	14,700	48.5	296.5	13,700	50.3	300.8	12,100	52.0	304.5	10,600	54.8	309.2	8,100	175
180	45.6	288.5	13,700	46.8	291.9	12,700	48.7	296.5	11,300	50.5	300.4	9,800	53.3	305.6	7,400	180
185	43.9	283.4	12,800	45.2	287.1	11,900	47.1	291.9	10,400	48.9	296.2	9,000	51.8	301.7	6,700	185
190	42.1	278.0	12,000	43.5	281.9	11,100	45.4	287.1	9,700	47.3	291.6	8,300	50.3	297.6	6,000	190
195	40.3	272.2	11,200	41.7	276.4	10,300	43.7	282.0	8,900	45.7	286.8	7,600	48.7	293.3	5,400	195
200	38.4	266.0	10,400	39.8	270.5	9,600	41.9	276.5	8,200	44.0	281.7	6,900	47.1	288.7	4,800	200
205	36.4	259.4	9,700	37.9	264.3	8,900	40.1	270.7	7,600	42.2	276.3	6,300	45.4	283.9	4,200	205
210	34.3	252.3	9,000	35.9	257.5	8,200	38.2	264.5	6,900	40.4	270.6	5,700				210
215	32.1	244.6	8,400	33.8	250.3	7,600	36.2	257.9	6,300	38.5	264.4	5,100				215
220	29.8	236.1	7,700	31.6	242.4	6,900	34.1	250.7	5,800	36.5	257.8	4,600				220
225	27.3	226.8	7,100	29.2	233.8	6,400	31.9	242.9	5,200	34.4	250.7	4,100				225
230	24.5	216.4	6,600	26.7	224.2	5,800	29.6	234.4	4,700							230
235	21.4	204.4	6,000	23.8	213.5	5,300	27.0	225.0	4,200							235
240	17.8	190.1	5,500	20.6	201.0	4,800										240
245	13.2	171.7	4,900	16.8	186.0	4,200										245
250	5.8	140.9	4,400													250

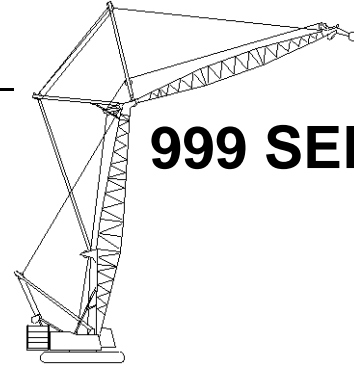


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



120 Ft. Boom, 70 Ft. Jib

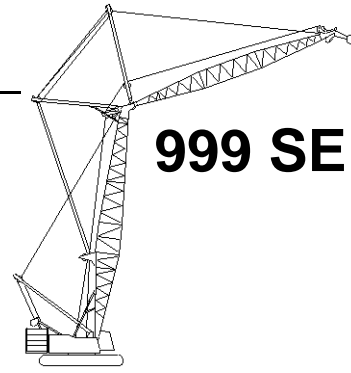
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	67.0	191.9	131,900*b																			40
45	62.4	189.4	121,700*b	66.2	191.3	129,400*b																45
50	57.6	186.4	112,800*b	61.6	188.7	119,600*b																50
55	52.6	182.8	105,100*	56.8	185.6	111,000*b	62.8	188.7	107,700b													55
60	47.1	178.4	98,300*	51.7	181.8	99,500	58.0	185.7	96,300b	63.9	188.2	93,000b										60
65	41.1	173.1	91,700	46.2	177.3	89,800	53.0	182.1	86,800	59.2	185.4	83,900b										65
70	34.3	166.4	83,400	40.1	171.8	81,700	47.6	177.8	79,000	54.2	182.0	76,300										70
75	25.8	157.3	76,300	33.0	164.8	74,700	41.7	172.6	72,300	48.9	177.9	69,800	59.4	183.1	65,700b							75
80	12.7	142.2	65,800*	24.2	155.2	68,800	34.9	166.0	66,600	43.2	172.9	64,300	54.4	179.7	60,500							80
85				8.7	137.1	62,900*	26.7	157.2	61,500	36.6	166.7	59,500	49.1	175.6	56,000							85
90							14.3	143.1	57,000	28.8	158.6	55,200	43.4	170.6	52,000	54.4	176.3	48,800				90
95										18.1	146.4	51,400	36.9	164.5	48,400	49.1	172.2	45,400				95
100													29.1	156.4	45,300	43.3	167.2	42,500				100
105													18.6	144.5	42,400	36.8	161.0	39,800	48.6	167.6	37,200	105
110																29.0	153.0	37,400	42.8	162.6	34,900	110
115																18.4	141.0	35,100	36.2	156.3	32,900	115
120																			28.3	148.0	31,000	120
125																			17.2	135.4	29,200	125



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 80 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	70.0	202.7	127,700*b																			40
45	66.1	200.6	118,100*b	69.4	202.1	125,500*b																45
50	62.1	198.1	109,600*b	65.5	199.9	116,200*b																50
55	57.9	195.1	102,200*	61.4	197.3	108,100*b	66.5	199.8	107,300b													55
60	53.6	191.6	95,600*	57.2	194.3	99,200	62.5	197.3	95,800b	67.4	199.3	92,500b										60
65	48.9	187.4	89,900*	52.8	190.7	89,500	58.3	194.4	86,400	63.4	196.9	83,400b										65
70	43.9	182.5	83,200	48.1	186.4	81,400	53.9	190.9	78,600	59.3	194.1	75,800										70
75	38.3	176.6	76,200	43.0	181.3	74,500	49.3	186.8	71,900	55.0	190.7	69,400										75
80	32.0	169.2	70,100	37.3	175.2	68,600	44.3	181.9	66,200	50.4	186.8	63,900	59.5	191.7	60,000							80
85	24.1	159.5	64,800	30.8	167.5	63,400	38.8	176.1	61,300	45.5	182.1	59,100	55.2	188.4	55,500							85
90	11.8	143.1	58,300*	22.5	157.2	58,900	32.5	168.9	56,900	40.2	176.6	54,900	50.6	184.5	51,500							90
95				8.1	137.7	54,700	24.8	159.4	53,000	34.1	169.8	51,200	45.7	179.9	48,000	55.1	185.0	44,900				95
100							13.3	144.2	49,500	26.9	160.9	47,800	40.4	174.3	44,900	50.5	181.1	41,900				100
105										16.8	147.9	44,800	34.4	167.6	42,100	45.7	176.5	39,300				105
110													27.2	158.9	39,500	40.3	170.9	36,900	50.2	176.6	34,300	110
115													17.3	146.0	37,100	34.3	164.1	34,700	45.2	171.9	32,300	115
120																27.0	155.4	32,700	39.8	166.2	30,500	120
125																17.1	142.4	30,900	33.7	159.3	28,800	125
130																			26.4	150.3	27,200	130
135																			16.0	136.8	25,700	135

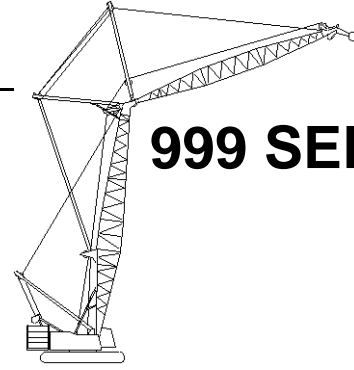


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



120 Ft. Boom, 90 Ft. Jib

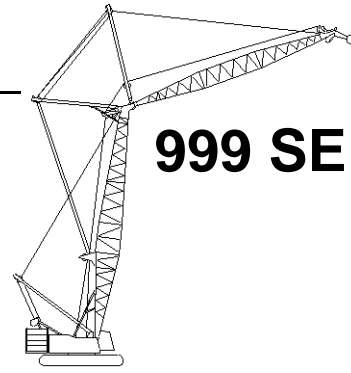
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	72.3	213.4	123,800*b																			40
45	68.9	211.5	114,800*b	71.8	212.8	121,900*b																45
50	65.5	209.3	106,800*b	68.4	210.9	113,200*b																50
55	61.9	206.8	99,700*	64.9	208.6	105,500*	69.2	210.7	107,000b													55
60	58.2	203.8	93,500*	61.3	206.0	98,600*	65.7	208.5	95,500b													60
65	54.3	200.3	87,900*	57.5	203.0	89,300	62.2	206.0	86,100	66.6	208.0	83,000b										65
70	50.2	196.4	82,900*	53.7	199.4	81,200	58.5	203.0	78,300	63.0	205.6	75,500										70
75	45.9	191.7	76,000	49.5	195.3	74,300	54.6	199.6	71,700	59.4	202.7	69,100										75
80	41.2	186.3	70,000	45.2	190.6	68,400	50.6	195.7	66,000	55.6	199.4	63,600										80
85	36.0	179.9	64,800	40.4	185.0	63,300	46.3	191.1	61,100	51.6	195.6	58,800	59.5	200.4	55,100							85
90	30.0	171.9	60,200	35.1	178.4	58,800	41.6	185.8	56,700	47.3	191.2	54,600	55.7	197.1	51,200							90
95	22.6	161.4	56,100	28.9	170.1	54,800	36.5	179.4	52,900	42.8	186.1	50,900	51.7	193.3	47,700							95
100	11.1	144.1	50,700*	21.2	159.0	51,200	30.6	171.7	49,500	37.8	180.0	47,600	47.5	189.0	44,600	55.7	193.7	41,600				100
105				7.6	138.3	47,900	23.3	161.5	46,400	32.1	172.6	44,700	42.9	183.8	41,800	51.7	189.9	38,900				105
110							12.5	145.2	43,500	25.3	163.2	42,000	37.9	177.8	39,300	47.4	185.5	36,600				110
115										15.8	149.2	39,500	32.3	170.5	37,000	42.9	180.4	34,400	51.3	185.4	32,000	115
120													25.5	161.1	34,900	37.9	174.4	32,500	47.1	181.0	30,100	120
125													16.2	147.4	32,900	32.2	167.0	30,700	42.5	175.8	28,400	125
130																25.4	157.6	29,000	37.4	169.6	26,900	130
135																16.1	143.8	27,400	31.7	162.2	25,500	135
140																			24.8	152.5	24,100	140
145																			15.1	138.1	22,800	145



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 100 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	74.1	223.8	119,200*b																			40
45	71.1	222.2	111,000*b	73.7	223.3	117,500*b																45
50	68.1	220.3	103,600*	70.6	221.6	109,600*b																50
55	64.9	218.0	96,900*	67.5	219.6	102,400*																55
60	61.7	215.4	90,900*	64.4	217.3	95,900*	68.3	219.4	95,000													60
65	58.4	212.5	85,500*	61.1	214.7	88,900	65.2	217.2	85,700													65
70	54.9	209.1	80,700*	57.8	211.6	80,800	62.0	214.6	77,900	65.9	216.7	75,000										70
75	51.3	205.2	75,700	54.3	208.2	73,900	58.6	211.7	71,200	62.7	214.2	68,600										75
80	47.5	200.8	69,700	50.7	204.2	68,100	55.2	208.4	65,600	59.4	211.4	63,100										80
85	43.4	195.8	64,500	46.8	199.7	63,000	51.6	204.5	60,600	56.0	208.2	58,300	62.9	211.9	54,500							85
90	39.0	189.9	59,900	42.7	194.6	58,500	47.8	200.2	56,300	52.5	204.5	54,200	59.6	209.0	50,600							90
95	34.1	182.9	55,600*	38.2	188.5	54,500	43.7	195.2	52,500	48.7	200.2	50,500	56.2	205.8	47,100							95
100	28.4	174.5	51,900*	33.2	181.4	51,000	39.4	189.4	49,100	44.7	195.4	47,200	52.6	202.1	44,100							100
105	21.4	163.3	49,000	27.4	172.6	47,800	34.5	182.6	46,000	40.4	189.8	44,300	48.9	197.9	41,300	56.1	202.4	38,400				105
110	10.5	144.9	44,200*	20.0	160.8	44,900	28.9	174.2	43,300	35.7	183.3	41,600	44.9	193.1	38,800	52.5	198.7	36,000				110
115				7.1	138.9	42,200	22.1	163.4	40,700	30.4	175.4	39,200	40.6	187.6	36,500	48.8	194.5	33,900				115
120							11.8	146.2	38,400	23.9	165.3	37,000	35.9	181.1	34,500	44.8	189.7	32,000	52.2	194.2	29,500	120
125										15.0	150.5	34,900	30.6	173.2	32,600	40.5	184.2	30,200	48.5	190.0	27,900	125
130													24.2	163.2	30,800	35.8	177.6	28,500	44.5	185.1	26,300	130
135													15.4	148.7	29,100	30.5	169.7	27,000	40.2	179.5	24,900	135
140																24.1	159.7	25,600	35.4	172.9	23,600	140
145																15.2	145.1	24,300	30.0	164.8	22,400	145
150																			23.5	154.6	21,200	150
155																			14.2	139.3	20,100	155

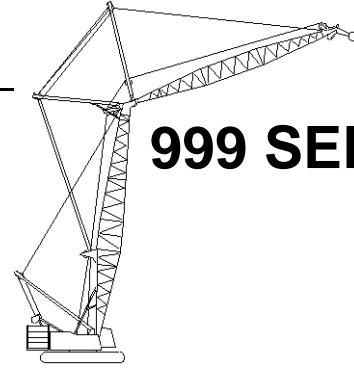


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



120 Ft. Boom, 110 Ft. Jib

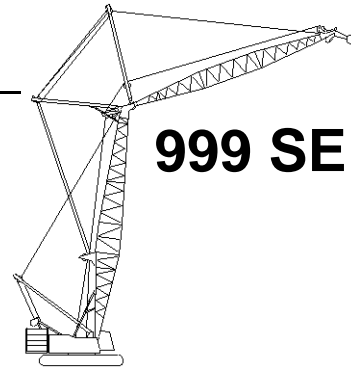
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
40	75.6	234.2	109,600*b																			40
45	72.9	232.8	107,000*b																			45
50	70.2	231.0	100,600*	72.5	232.2	106,300*b																50
55	67.3	229.0	94,300*	69.7	230.4	99,600*																55
60	64.5	226.7	88,600*	66.9	228.4	93,500*	70.4	230.2	94,900													60
65	61.5	224.1	83,500*	64.0	226.0	87,900*	67.6	228.2	85,500													65
70	58.5	221.1	78,900*	61.0	223.3	80,700	64.7	225.9	77,700													70
75	55.4	217.8	74,700*	58.0	220.3	73,800	61.8	223.3	71,100	65.4	225.4	68,400										75
80	52.1	214.0	69,700	54.9	216.9	68,000	58.8	220.4	65,500	62.5	222.9	63,000										80
85	48.7	209.8	64,400	51.6	213.1	62,900	55.6	217.1	60,500	59.5	220.1	58,200										85
90	45.1	205.0	59,200*	48.1	208.8	58,400	52.4	213.3	56,200	56.4	216.8	54,100	62.6	220.5	50,400							90
95	41.2	199.5	54,700*	44.5	203.9	54,500	49.0	209.2	52,400	53.2	213.2	50,400	59.6	217.7	47,000							95
100	37.1	193.3	50,700*	40.6	198.3	51,000	45.4	204.4	49,000	49.8	209.2	47,100	56.5	214.5	43,900							100
105	32.4	185.9	47,300*	36.3	191.8	47,800	41.6	199.0	46,000	46.3	204.6	44,200	53.3	210.9	41,200							105
110	27.0	176.9	44,400*	31.6	184.2	45,000	37.4	192.8	43,300	42.5	199.3	41,500	50.0	206.9	38,700	56.5	211.1	35,900				110
115	20.4	165.1	42,300*	26.1	174.9	42,400	32.8	185.5	40,800	38.5	193.3	39,100	46.4	202.3	36,400	53.3	207.5	33,700				115
120	10.0	145.8	39,100*	19.1	162.4	40,000	27.5	176.7	38,500	34.0	186.3	36,900	42.7	197.1	34,400	49.9	203.5	31,800				120
125				6.8	139.4	37,700	21.0	165.2	36,400	28.9	177.9	34,900	38.6	191.1	32,500	46.4	198.9	30,100	53.0	203.0	27,700	125
130							11.2	147.2	34,400	22.7	167.3	33,100	34.1	184.1	30,800	42.6	193.7	28,400	49.6	198.9	26,200	130
135										14.2	151.7	31,300	29.1	175.8	29,100	38.5	187.7	26,900	46.1	194.3	24,800	135
140													23.0	165.3	27,600	34.1	180.7	25,600	42.3	189.0	23,500	140
145													14.6	150.0	26,200	29.0	172.3	24,300	38.2	183.0	22,300	145
150																22.9	161.7	23,000	33.7	175.9	21,200	150
155																14.4	146.3	21,900	28.5	167.4	20,100	155
160																			22.3	156.5	19,100	160
165																			13.5	140.4	18,100	165



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 120 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.4	243.2	97,500* ^b																			45
50	71.9	241.6	96,200*	74.0	242.7	102,500* ^b																50
55	69.3	239.8	91,500*	71.5	241.1	96,400*																55
60	66.7	237.7	86,100*	68.9	239.2	90,800*																60
65	64.1	235.4	81,200*	66.3	237.1	85,500*	69.5	239.0	85,100													65
70	61.4	232.7	76,800*	63.7	234.7	80,300	67.0	236.9	77,300													70
75	58.6	229.8	72,700*	61.0	232.0	73,400	64.3	234.6	70,700	67.6	236.4	67,900										75
80	55.8	226.5	68,800*	58.2	229.0	67,600	61.6	232.0	65,000	65.0	234.1	62,400										80
85	52.8	222.8	63,500*	55.3	225.6	62,500	58.9	229.0	60,100	62.3	231.6	57,700										85
90	49.7	218.7	58,600*	52.3	221.9	58,000	56.0	225.8	55,800	59.5	228.7	53,600										90
95	46.5	214.1	54,100*	49.2	217.7	54,100	53.1	222.1	52,000	56.7	225.5	49,900	62.4	229.2	46,400							95
100	43.1	209.0	50,000*	45.9	213.0	50,600	50.0	218.1	48,600	53.8	222.0	46,600	59.6	226.4	43,400							100
105	39.4	203.2	46,500*	42.5	207.8	47,500	46.8	213.5	45,600	50.7	218.0	43,700	56.8	223.2	40,600							105
110	35.4	196.5	43,400*	38.8	201.8	44,600	43.4	208.4	42,900	47.6	213.6	41,100	53.9	219.7	38,100							110
115	31.0	188.6	40,700*	34.7	195.0	42,100	39.7	202.7	40,400	44.2	208.7	38,700	50.8	215.7	35,900	56.8	219.8	33,200				115
120	25.8	179.1	38,500*	30.2	186.9	39,700	35.8	196.0	38,100	40.6	203.1	36,500	47.7	211.3	33,900	53.8	216.3	31,300				120
125	19.5	166.8	36,900*	24.9	177.1	37,600	31.4	188.3	36,000	36.7	196.7	34,500	44.3	206.4	32,000	50.8	212.3	29,500				125
130	9.5	146.6	34,400*	18.2	164.0	35,500	26.3	179.0	34,100	32.5	189.3	32,700	40.7	200.8	30,300	47.6	207.9	27,900				130
135				6.5	139.9	33,600*	20.1	167.0	32,300	27.6	180.4	31,000	36.9	194.5	28,700	44.3	203.0	26,400	50.5	207.8	24,200	135
140							10.7	148.1	30,700	21.7	169.2	29,400	32.6	187.1	27,200	40.7	197.4	25,000	47.4	203.3	22,900	140
145										13.6	152.9	27,900	27.8	178.3	25,800	36.8	191.0	23,800	44.0	198.4	21,700	145
150													22.0	167.2	24,600	32.6	183.6	22,600	40.4	192.7	20,600	150
155													14.0	151.2	23,300	27.7	174.8	21,500	36.5	186.3	19,600	155
160																21.9	163.7	20,400	32.2	178.8	18,600	160
165																13.8	147.5	19,400	27.3	169.8	17,700	165
170																			21.3	158.4	16,800	170
175																			12.9	141.5	15,900	175

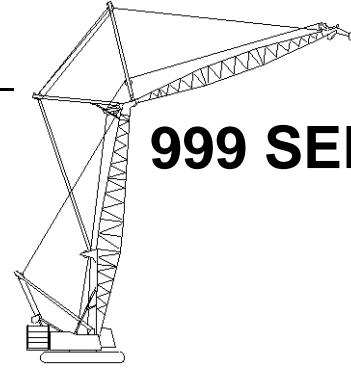


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



120 Ft. Boom, 130 Ft. Jib

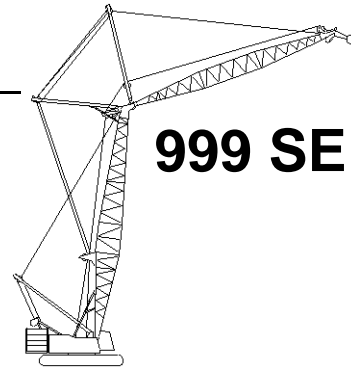
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.6	253.6	88,900*b																			45
50	73.3	252.2	87,200*																			50
55	71.0	250.5	85,500*	72.9	251.6	93,500*																55
60	68.6	248.6	83,700*	70.6	249.9	88,300*																60
65	66.2	246.5	79,300*	68.2	248.0	83,500*																65
70	63.8	244.1	75,100*	65.8	245.8	78,900*	68.8	247.7	76,900													70
75	61.3	241.4	71,200*	63.4	243.4	73,100	66.4	245.6	70,300													75
80	58.7	238.5	67,200*	60.9	240.6	67,300	64.0	243.3	64,700	67.0	245.1	62,100										80
85	56.1	235.2	62,300*	58.3	237.6	62,200	61.5	240.6	59,800	64.6	242.8	57,300										85
90	53.4	231.6	57,800*	55.7	234.3	57,700	59.0	237.7	55,500	62.1	240.2	53,200										90
95	50.6	227.6	53,500*	52.9	230.7	53,800	56.3	234.5	51,700	59.6	237.4	49,500										95
100	47.6	223.2	49,600*	50.1	226.6	50,300	53.6	230.9	48,300	57.0	234.2	46,300	62.2	237.9	43,000							100
105	44.5	218.3	46,100*	47.1	222.1	47,200	50.8	226.9	45,300	54.3	230.7	43,400	59.7	235.0	40,200							105
110	41.3	212.8	43,000*	44.0	217.1	44,300	47.9	222.5	42,500	51.5	226.9	40,700	57.1	231.9	37,800							110
115	37.8	206.6	40,200*	40.7	211.5	41,800	44.8	217.7	40,100	48.6	222.6	38,400	54.4	228.4	35,500							115
120	33.9	199.5	37,700*	37.2	205.2	39,500	41.6	212.2	37,800	45.6	217.8	36,200	51.6	224.6	33,500	57.0	228.5	30,800				120
125	29.7	191.3	35,600*	33.3	198.0	37,300	38.1	206.1	35,800	42.3	212.6	34,200	48.7	220.3	31,600	54.3	225.0	29,100				125
130	24.8	181.3	33,800*	28.9	189.5	35,300	34.3	199.1	33,900	38.9	206.6	32,400	45.7	215.6	29,900	51.6	221.2	27,500				130
135	18.7	168.4	32,500*	23.9	179.2	33,500	30.1	191.0	32,100	35.2	199.9	30,700	42.5	210.3	28,400	48.7	216.9	26,000				135
140	9.1	147.3	30,500*	17.5	165.5	31,800	25.2	181.2	30,500	31.1	192.0	29,100	39.1	204.4	26,900	45.6	212.2	24,700	51.3	216.6	22,500	140
145				6.2	140.4	29,800*	19.3	168.7	29,000	26.5	182.7	27,700	35.4	197.7	25,500	42.4	206.9	23,400	48.4	212.3	21,300	145
150							10.3	148.9	27,500	20.9	171.0	26,300	31.3	189.9	24,300	39.0	201.0	22,200	45.4	207.6	20,200	150
155										13.0	154.0	25,000	26.7	180.6	23,100	35.3	194.2	21,100	42.2	202.2	19,200	155
160													21.1	169.0	22,000	31.2	186.4	20,100	38.7	196.3	18,200	160
165													13.4	152.3	20,900	26.6	177.1	19,100	35.0	189.4	17,300	165
170																21.0	165.5	18,200	30.9	181.6	16,500	170
175																13.2	148.6	17,300	26.2	172.1	15,700	175
180																			20.5	160.2	14,900	180
185																			12.4	142.6	14,100	185



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 140 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.5	262.6	79,500*																			50
55	72.4	261.1	78,100*																			55
60	70.2	259.3	76,700*	72.0	260.5	85,300*																60
65	68.0	257.4	75,200*	69.9	258.7	79,500																65
70	65.8	255.2	72,900*	67.7	256.7	71,900	70.4	258.5	67,800													70
75	63.5	252.7	67,900	65.4	254.5	65,400	68.2	256.5	61,700													75
80	61.2	250.1	62,200	63.1	252.0	59,800	66.0	254.3	56,400													80
85	58.8	247.1	57,200	60.8	249.3	55,000	63.7	251.9	51,800	66.5	253.8	48,600										85
90	56.4	243.9	52,800	58.4	246.3	50,800	61.4	249.3	47,800	64.3	251.5	44,800										90
95	53.9	240.3	49,000	56.0	243.0	47,100	59.0	246.4	44,200	62.0	248.9	41,400										95
100	51.3	236.4	45,500	53.5	239.4	43,800	56.6	243.2	41,100	59.6	246.0	38,400										100
105	48.6	232.2	42,500	50.9	235.5	40,800	54.1	239.6	38,200	57.2	242.9	35,700	62.0	246.5	31,500							105
110	45.8	227.4	39,700	48.1	231.1	38,100	51.5	235.8	35,700	54.7	239.5	33,300	59.7	243.7	29,300							110
115	42.8	222.2	37,200	45.3	226.3	35,700	48.8	231.5	33,400	52.1	235.7	31,100	57.3	240.6	27,300							115
120	39.7	216.4	34,900	42.3	221.0	33,500	46.0	226.8	31,300	49.5	231.5	29,100	54.8	237.1	25,500							120
125	36.3	209.9	32,800	39.2	215.1	31,400	43.1	221.7	29,300	46.7	226.9	27,200	52.2	233.4	23,800	57.2	237.2	20,400				125
130	32.7	202.5	30,900	35.7	208.4	29,600	40.0	215.9	27,600	43.8	221.9	25,600	49.6	229.2	22,300	54.8	233.7	19,000				130
135	28.6	193.8	29,100	32.0	200.8	27,800	36.6	209.4	25,900	40.7	216.3	24,000	46.8	224.7	20,900	52.2	230.0	17,800				135
140	23.9	183.4	27,400	27.9	192.0	26,200	33.0	202.1	24,400	37.4	210.0	22,600	43.9	219.6	19,500	49.5	225.8	16,600				140
145	18.0	170.0	25,900	23.0	181.2	24,700	28.9	193.6	23,000	33.9	202.9	21,200	40.8	214.0	18,300	46.8	221.3	15,500	52.0	225.5	12,700	145
150	8.8	148.0	24,400	16.8	167.0	23,300	24.3	183.4	21,700	30.0	194.7	20,000	37.6	207.8	17,200	43.9	216.2	14,400	49.3	221.3	11,800	150
155				5.9	140.9	21,900	18.5	170.3	20,400	25.5	185.0	18,800	34.0	200.7	16,100	40.8	210.6	13,500	46.5	216.7	10,900	155
160							9.9	149.8	19,200	20.1	172.8	17,700	30.1	192.6	15,100	37.5	204.4	12,600	43.6	211.6	10,100	160
165										12.5	155.0	16,600	25.6	182.9	14,200	34.0	197.3	11,700	40.5	206.0	9,300	165
170													20.3	170.8	13,300	30.0	189.1	10,900	37.2	199.6	8,600	170
175													12.9	153.4	12,400	25.6	179.4	10,200	33.7	192.5	7,900	175
180																20.2	167.3	9,400	29.7	184.2	7,300	180
185																12.7	149.7	8,700	25.2	174.4	6,700	185
190																			19.7	161.9	6,100	190
195																			11.9	143.6	5,500	195

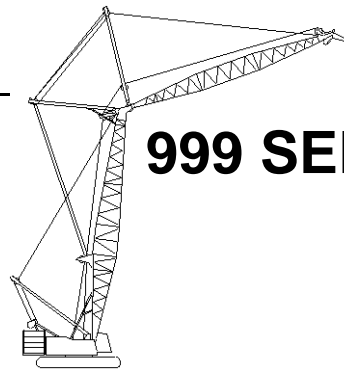


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



120 Ft. Boom, 150 Ft. Jib

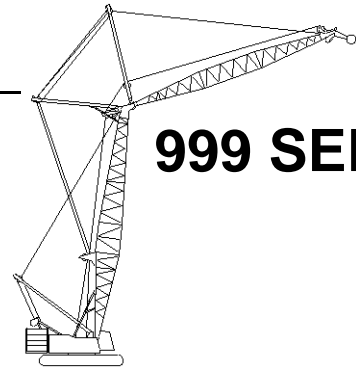
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.6	273.0	72,600*																			50
55	73.6	271.5	71,500*																			55
60	71.6	269.9	70,400*	73.3	271.0	82,500*																60
65	69.6	268.1	69,200*	71.3	269.3	78,400*																65
70	67.5	266.1	68,000*	69.2	267.5	71,600																70
75	65.4	263.9	66,800*	67.2	265.5	65,200	69.7	267.3	61,400													75
80	63.3	261.4	61,900	65.1	263.2	59,600	67.7	265.3	56,100													80
85	61.1	258.7	57,000	62.9	260.7	54,800	65.6	263.1	51,600													85
90	58.9	255.8	52,600	60.8	258.0	50,600	63.5	260.6	47,500	66.1	262.6	44,500										90
95	56.6	252.6	48,800	58.5	255.0	46,900	61.3	257.9	44,000	64.0	260.2	41,100										95
100	54.3	249.1	45,300	56.3	251.7	43,500	59.1	255.0	40,800	61.8	257.6	38,100										100
105	51.9	245.3	42,300	53.9	248.2	40,600	56.8	251.8	38,000	59.6	254.7	35,500										105
110	49.4	241.1	39,500	51.5	244.3	37,900	54.5	248.4	35,500	57.4	251.6	33,000	61.9	255.2	29,000							110
115	46.8	236.5	37,000	49.0	240.1	35,500	52.1	244.6	33,200	55.1	248.2	30,800	59.7	252.4	27,000							115
120	44.1	231.5	34,700	46.4	235.4	33,300	49.6	240.4	31,100	52.7	244.5	28,900	57.5	249.2	25,200							120
125	41.3	226.0	32,700	43.7	230.4	31,200	47.1	235.9	29,100	50.2	240.4	27,000	55.2	245.8	23,600							125
130	38.3	219.9	30,700	40.8	224.7	29,400	44.4	230.9	27,400	47.7	236.0	25,400	52.8	242.1	22,000	57.4	245.9	18,800				130
135	35.0	213.1	29,000	37.8	218.5	27,700	41.5	225.5	25,700	45.0	231.1	23,800	50.3	238.1	20,600	55.1	242.5	17,500				135
140	31.5	205.3	27,300	34.5	211.5	26,100	38.5	219.4	24,200	42.2	225.8	22,400	47.8	233.7	19,300	52.7	238.7	16,300				140
145	27.6	196.3	25,800	30.9	203.6	24,600	35.3	212.6	22,800	39.3	219.9	21,100	45.1	228.8	18,100	50.3	234.7	15,200				145
150	23.0	185.5	24,400	26.9	194.4	23,200	31.8	205.0	21,500	36.1	213.3	19,800	42.3	223.5	17,000	47.7	230.3	14,200	52.5	234.2	11,500	150
155	17.3	171.5	23,000	22.2	183.1	21,900	27.9	196.1	20,300	32.7	205.9	18,700	39.4	217.6	15,900	45.1	225.4	13,300	50.1	230.2	10,700	155
160	8.4	148.8	21,700	16.2	168.4	20,700	23.4	185.5	19,100	28.9	197.3	17,600	36.2	211.1	15,000	42.3	220.1	12,400	47.5	225.7	9,900	160
165				5.7	141.3	19,500	17.9	171.8	18,000	24.6	187.2	16,500	32.8	203.7	14,000	39.3	214.2	11,500	44.9	220.8	9,100	165
170							9.5	150.6	17,000	19.4	174.4	15,600	29.0	195.2	13,200	36.2	207.6	10,800	42.1	215.5	8,400	170
175										12.1	156.1	14,600	24.7	185.1	12,300	32.8	200.2	10,000	39.1	209.5	7,700	175
180													19.6	172.5	11,500	29.0	191.7	9,300	35.9	202.9	7,100	180
185													12.4	154.5	10,700	24.7	181.6	8,600	32.5	195.4	6,500	185
190																19.5	169.0	8,000	28.7	186.8	5,900	190
195																12.3	150.8	7,300	24.3	176.5	5,400	195
200																			19.0	163.6	4,800	200
205																			11.5	144.6	4,300	205



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 160 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.7	282.0	65,400*																			55
60	72.8	280.5	64,500*																			60
65	70.9	278.8	63,500*	72.5	279.9	75,500*																65
70	69.0	276.9	62,500*	70.6	278.2	71,100																70
75	67.1	274.8	61,500*	68.7	276.3	64,600																75
80	65.1	272.6	60,600*	66.7	274.2	59,000	69.2	276.1	55,500													80
85	63.1	270.1	56,400	64.8	271.9	54,200	67.2	274.0	50,900													85
90	61.1	267.4	52,100	62.8	269.4	50,000	65.3	271.8	46,900	67.7	273.5	43,800										90
95	59.0	264.5	48,300	60.7	266.6	46,300	63.3	269.3	43,400	65.7	271.3	40,500										95
100	56.9	261.3	44,800	58.6	263.6	43,000	61.2	266.6	40,200	63.7	268.9	37,500										100
105	54.7	257.8	41,800	56.5	260.4	40,000	59.2	263.7	37,400	61.7	266.2	34,800										105
110	52.4	254.0	39,000	54.3	256.9	37,300	57.0	260.5	34,900	59.7	263.4	32,400										110
115	50.1	250.0	36,500	52.1	253.1	34,900	54.9	257.1	32,600	57.5	260.3	30,200	61.8	263.9	26,300							115
120	47.7	245.5	34,200	49.7	249.0	32,700	52.6	253.4	30,500	55.4	256.9	28,200	59.7	261.0	24,500							120
125	45.2	240.7	32,200	47.3	244.5	30,700	50.3	249.3	28,500	53.2	253.2	26,400	57.6	257.9	22,900							125
130	42.6	235.4	30,200	44.8	239.6	28,900	47.9	244.9	26,800	50.9	249.3	24,700	55.5	254.6	21,300							130
135	39.9	229.7	28,500	42.2	234.2	27,200	45.5	240.1	25,200	48.5	245.0	23,200	53.2	250.9	19,900	57.6	254.5	16,700				135
140	37.0	223.3	26,800	39.4	228.4	25,600	42.9	234.9	23,700	46.1	240.3	21,800	51.0	247.0	18,600	55.4	251.2	15,600				140
145	33.9	216.1	25,300	36.5	221.8	24,100	40.1	229.1	22,300	43.5	235.1	20,500	48.6	242.7	17,400	53.2	247.5	14,500				145
150	30.5	208.0	23,900	33.3	214.6	22,700	37.2	222.8	21,000	40.8	229.5	19,200	46.2	238.0	16,300	50.9	243.6	13,500				150
155	26.7	198.6	22,600	29.9	206.3	21,500	34.1	215.7	19,800	38.0	223.3	18,100	43.6	232.9	15,300	48.6	239.3	12,500	53.0	243.0	9,900	155
160	22.3	187.4	21,300	26.0	196.7	20,300	30.8	207.7	18,600	34.9	216.4	17,000	40.9	227.3	14,300	46.1	234.6	11,700	50.7	239.0	9,100	160
165	16.8	172.9	20,100	21.5	185.0	19,100	27.0	198.5	17,600	31.6	208.7	16,000	38.1	221.1	13,400	43.6	229.5	10,800	48.4	234.7	8,400	165
170	8.2	149.4	19,000	15.7	169.7	18,000	22.7	187.4	16,500	27.9	199.8	15,000	35.0	214.2	12,500	40.9	223.9	10,100	45.9	230.0	7,700	170
175				5.5	141.8	16,900	17.3	173.3	15,600	23.8	189.3	14,100	31.7	206.5	11,700	38.0	217.7	9,300	43.3	224.8	7,000	175
180							9.2	151.3	14,600	18.7	176.1	13,300	28.1	197.7	10,900	35.0	210.8	8,600	40.6	219.2	6,400	180
185										11.7	157.1	12,400				23.9	187.2	10,200	31.7	203.1	8,000	185
190													18.9	174.2	9,500	28.0	194.2	7,300	34.7	206.0	5,200	190
195													12.0	155.5	8,800	23.9	183.7	6,700	31.4	198.2	4,700	195
200																18.8	170.6	6,100	27.7	189.2	4,200	200
205																11.9	151.8	5,600				205

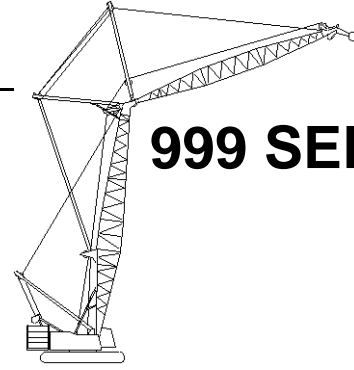


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



120 Ft. Boom, 170 Ft. Jib

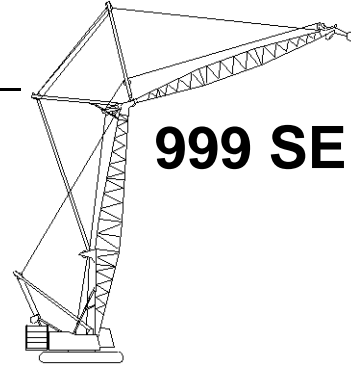
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.6	292.3	59,900*																			55
60	73.8	290.9	59,100*																			60
65	72.1	289.3	58,300*	73.5	290.4	68,200*																65
70	70.3	287.6	57,500*	71.8	288.8	67,900*																70
75	68.5	285.7	56,700*	70.0	287.0	64,100																75
80	66.7	283.6	55,900*	68.2	285.0	58,600	70.4	286.7	55,000													80
85	64.8	281.3	55,000*	66.3	282.9	53,800	68.6	284.8	50,400													85
90	62.9	278.8	51,700	64.5	280.6	49,600	66.8	282.7	46,400													90
95	61.0	276.1	47,800	62.6	278.0	45,800	65.0	280.4	42,900	67.2	282.2	39,900										95
100	59.0	273.1	44,400	60.7	275.3	42,500	63.1	278.0	39,700	65.4	280.0	36,900										100
105	57.0	269.9	41,300	58.7	272.3	39,600	61.2	275.3	36,900	63.5	277.5	34,300										105
110	55.0	266.5	38,600	56.7	269.1	36,900	59.2	272.4	34,400	61.6	274.9	31,900										110
115	52.9	262.8	36,100	54.7	265.6	34,500	57.2	269.2	32,100	59.7	272.0	29,700										115
120	50.7	258.8	33,800	52.6	261.9	32,300	55.2	265.8	30,000	57.7	268.9	27,700	61.7	272.5	24,000							120
125	48.5	254.5	31,700	50.4	257.8	30,300	53.1	262.1	28,100	55.7	265.6	25,900	59.7	269.7	22,300							125
130	46.2	249.8	29,800	48.1	253.5	28,400	50.9	258.2	26,300	53.6	262.0	24,200	57.8	266.6	20,800							130
135	43.8	244.8	28,100	45.8	248.7	26,700	48.7	253.9	24,700	51.5	258.1	22,700	55.7	263.3	19,400							135
140	41.3	239.2	26,400	43.4	243.6	25,100	46.4	249.2	23,200	49.3	253.9	21,300	53.7	259.7	18,100	57.7	263.2	15,000				140
145	38.7	233.2	24,900	40.9	238.0	23,700	44.0	244.2	21,800	47.0	249.3	20,000	51.5	255.8	16,900	55.7	259.9	13,900				145
150	35.8	226.5	23,500	38.2	231.8	22,300	41.5	238.7	20,500	44.6	244.4	18,800	49.3	251.6	15,800	53.6	256.3	12,900				150
155	32.8	219.1	22,200	35.4	225.0	21,100	38.9	232.7	19,300	42.1	239.0	17,600	47.1	247.0	14,800	51.5	252.4	12,000				155
160	29.5	210.6	21,000	32.3	217.5	19,900	36.1	226.1	18,200	39.5	233.1	16,600	44.7	242.1	13,800	49.3	248.2	11,100				160
165	25.8	200.9	19,800	28.9	208.9	18,700	33.1	218.7	17,100	36.8	226.7	15,600	42.2	236.8	12,900	47.0	243.6	10,300	51.3	247.9	7,800	165
170	21.6	189.3	18,700	25.2	198.9	17,700	29.8	210.4	16,100	33.8	219.5	14,600	39.6	230.9	12,100	44.7	238.7	9,500	49.1	243.6	7,100	170
175	16.3	174.4	17,700	20.8	186.8	16,700	26.2	200.8	15,200	30.6	211.4	13,700	36.9	224.5	11,200	42.2	233.3	8,800	46.8	239.1	6,500	175
180	7.9	150.1	16,600	15.2	171.1	15,700	22.0	189.4	14,300	27.1	202.2	12,900	33.9	217.3	10,500	39.6	227.5	8,100	44.5	234.1	5,800	180
185				5.3	142.2	14,700	16.8	174.8	13,400	23.0	191.3	12,100	30.7	209.3	9,800	36.8	221.0	7,500	42.0	228.7	5,300	185
190							8.9	152.1	12,600	18.1	177.7	11,300	27.2	200.1	9,100	33.9	213.9	6,900	39.4	222.8	4,700	190
195										11.3	158.0	10,500	23.2	189.2	8,400	30.7	205.8	6,300	36.6	216.3	4,200	195
200													18.3	175.8	7,800	27.2	196.6	5,700				200
205													11.6	156.5	7,100	23.1	185.7	5,200				205
210																18.3	172.2	4,600				210
215																11.5	152.8	4,100				215



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 180 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.8	301.3	54,400*																			60
65	73.1	299.9	53,500*																			65
70	71.4	298.2	52,800*	72.8	299.3	61,400*																70
75	69.7	296.4	52,100*	71.1	297.6	61,100*																75
80	68.0	294.4	51,400*	69.5	295.8	58,000																80
85	66.3	292.3	50,700*	67.7	293.8	53,200	69.9	295.6	49,800													85
90	64.5	290.0	50,300*	66.0	291.6	49,000	68.2	293.6	45,800													90
95	62.8	287.4	47,300	64.2	289.3	45,300	66.4	291.5	42,200													95
100	60.9	284.7	43,900	62.5	286.7	42,000	64.7	289.1	39,100	66.9	290.9	36,300										100
105	59.1	281.8	40,800	60.6	283.9	39,000	62.9	286.6	36,300	65.1	288.7	33,600										105
110	57.2	278.6	38,000	58.8	281.0	36,300	61.1	283.9	33,800	63.3	286.2	31,200										110
115	55.3	275.2	35,500	56.9	277.8	33,900	59.3	281.0	31,500	61.5	283.6	29,000										115
120	53.3	271.6	33,300	55.0	274.4	31,700	57.4	277.9	29,400	59.7	280.7	27,100										120
125	51.3	267.7	31,200	53.0	270.7	29,700	55.5	274.5	27,500	57.8	277.6	25,300	61.6	281.2	21,600							125
130	49.2	263.4	29,300	51.0	266.7	27,900	53.5	270.9	25,700	55.9	274.3	23,600	59.8	278.3	20,100							130
135	47.1	258.9	27,500	48.9	262.4	26,200	51.5	267.0	24,100	54.0	270.7	22,100	57.9	275.3	18,700							135
140	44.8	254.0	25,900	46.7	257.8	24,600	49.4	262.8	22,600	52.0	266.9	20,700	56.0	272.0	17,400							140
145	42.5	248.7	24,400	44.5	252.8	23,100	47.2	258.3	21,200	49.9	262.8	19,400	54.0	268.4	16,200	57.9	271.9	13,200				145
150	40.1	242.9	23,000	42.1	247.5	21,800	45.0	253.4	20,000	47.8	258.3	18,100	52.0	264.6	15,100	56.0	268.6	12,200				150
155	37.5	236.6	21,700	39.7	241.6	20,500	42.7	248.1	18,800	45.6	253.6	17,000	50.0	260.5	14,100	54.0	265.0	11,300				155
160	34.8	229.6	20,500	37.1	235.2	19,300	40.3	242.4	17,600	43.3	248.4	15,900	47.8	256.0	13,100	52.0	261.2	10,400				160
165	31.9	221.9	19,300	34.3	228.1	18,200	37.7	236.1	16,600	40.9	242.8	14,900	45.6	251.3	12,200	49.9	257.1	9,600				165
170	28.7	213.2	18,200	31.4	220.3	17,200	35.0	229.2	15,600	38.4	236.6	14,000	43.4	246.1	11,400	47.8	252.6	8,800	51.8	256.7	6,300	170
175	25.1	203.2	17,200	28.1	211.4	16,200	32.1	221.6	14,700	35.7	229.9	13,100	41.0	240.5	10,600	45.6	247.9	8,100	49.8	252.5	5,700	175
180	20.9	191.2	16,200	24.5	201.0	15,300	28.9	213.0	13,800	32.8	222.4	12,300	38.5	234.4	9,800	43.3	242.7	7,400	47.6	248.1	5,100	180
185	15.8	175.7	15,300	20.2	188.6	14,400	25.4	203.1	12,900	29.7	214.1	11,500	35.8	227.7	9,100	40.9	237.1	6,800	45.4	243.3	4,500	185
190	7.7	150.7	14,400	14.8	172.3	13,500	21.3	191.2	12,100	26.3	204.5	10,700	32.9	220.3	8,500	38.4	231.0	6,200	43.1	238.1	4,000	190
195				5.2	142.6	12,600	16.3	176.2	11,400	22.4	193.2	10,000	29.8	211.9	7,800	35.7	224.3	5,600				195
200							8.7	152.8	10,600	17.6	179.2	9,300	26.4	202.4	7,200	32.9	216.8	5,100				200
205										11.0	159.0	8,600	22.5	191.2	6,600	29.8	208.5	4,500				205
210													17.8	177.3	6,000	26.4	198.9	4,000				210
215													11.3	157.5	5,400							215

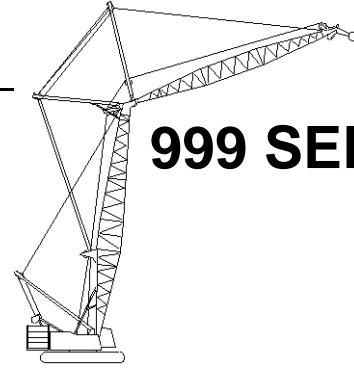


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



120 Ft. Boom, 190 Ft. Jib

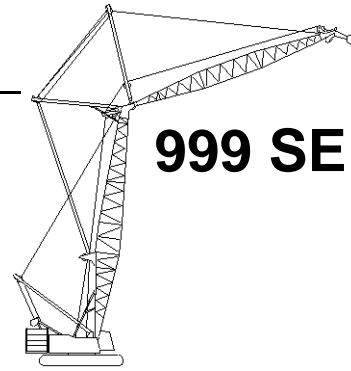
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.6	311.7	49,000*																60
65	74.0	310.3	48,600*																65
70	72.4	308.8	48,200*	73.8	309.8	55,200*													70
75	70.8	307.1	47,600*	72.2	308.2	54,900*													75
80	69.2	305.2	47,000*	70.6	306.5	54,700*													80
85	67.6	303.2	46,400*	69.0	304.6	52,900	71.0	306.2	49,500										85
90	66.0	301.0	45,800*	67.3	302.5	48,700	69.4	304.3	45,500										90
95	64.3	298.6	45,200*	65.7	300.3	45,000	67.7	302.3	41,900										95
100	62.6	296.1	43,600	64.0	297.9	41,700	66.1	300.2	38,800										100
105	60.9	293.4	40,500	62.3	295.4	38,700	64.4	297.8	36,000	66.5	299.7	33,300							105
110	59.1	290.4	37,800	60.6	292.6	36,000	62.8	295.3	33,500	64.8	297.4	30,900							110
115	57.4	287.3	35,300	58.9	289.6	33,600	61.0	292.6	31,200	63.2	294.9	28,700							115
120	55.5	283.9	33,000	57.1	286.5	31,400	59.3	289.7	29,100	61.4	292.2	26,800							120
125	53.7	280.3	30,900	55.2	283.1	29,400	57.5	286.6	27,200	59.7	289.3	25,000							125
130	51.8	276.5	29,000	53.4	279.4	27,600	55.7	283.2	25,400	57.9	286.3	23,300	61.5	289.9	19,800				130
135	49.8	272.3	27,300	51.5	275.5	25,900	53.8	279.6	23,800	56.1	283.0	21,800	59.8	287.0	18,400				135
140	47.8	267.9	25,600	49.5	271.3	24,300	51.9	275.8	22,300	54.3	279.5	20,400	58.0	283.9	17,100				140
145	45.7	263.1	24,100	47.5	266.8	22,900	50.0	271.7	21,000	52.4	275.7	19,100	56.2	280.7	15,900				145
150	43.6	258.0	22,700	45.4	262.0	21,500	48.0	267.3	19,700	50.5	271.6	17,900	54.4	277.1	14,800	58.0	280.6	11,900	150
155	41.3	252.5	21,400	43.2	256.8	20,300	45.9	262.5	18,500	48.5	267.3	16,700	52.5	273.4	13,800	56.2	277.3	11,000	155
160	39.0	246.5	20,200	40.9	251.2	19,100	43.7	257.4	17,400	46.4	262.7	15,700	50.5	269.3	12,900	54.3	273.7	10,100	160
165	36.5	239.9	19,100	38.6	245.1	18,000	41.5	251.9	16,300	44.3	257.6	14,700	48.5	265.0	12,000	52.4	270.0	9,300	165
170	33.8	232.7	18,000	36.0	238.5	16,900	39.2	246.0	15,300	42.1	252.2	13,700	46.5	260.4	11,100	50.5	265.9	8,500	170
175	31.0	224.7	17,000	33.4	231.1	16,000	36.7	239.5	14,400	39.7	246.4	12,900	44.4	255.4	10,300	48.5	261.6	7,800	175
180	27.9	215.7	16,000	30.5	223.0	15,000	34.1	232.3	13,500	37.3	240.0	12,000	42.1	250.0	9,600	46.5	257.0	7,200	180
185	24.4	205.3	15,100	27.3	213.8	14,100	31.2	224.4	12,700	34.7	233.0	11,300	39.8	244.1	8,900	44.3	252.0	6,500	185
190	20.4	192.9	14,200	23.8	203.1	13,300	28.1	215.5	11,900	31.9	225.3	10,500	37.4	237.8	8,200	42.1	246.6	5,900	190
195	15.4	177.1	13,400	19.6	190.3	12,500	24.7	205.2	11,200	28.9	216.7	9,800	34.8	230.8	7,600	39.8	240.7	5,300	195
200	7.5	151.4	12,600	14.4	173.6	11,700	20.7	193.1	10,400	25.6	206.8	9,100	32.0	223.1	6,900	37.3	234.4	4,800	200
205				5.0	143.0	10,900	15.8	177.6	9,700	21.8	195.2	8,500	29.0	214.5	6,400	34.8	227.4	4,300	205
210							8.4	153.5	9,000	17.1	180.7	7,800	25.7	204.7	5,800				210
215										10.7	159.9	7,200	21.9	193.2	5,300				215
220													17.3	178.8	4,700				220
225													11.0	158.4	4,200				225



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 200 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	74.8	320.7	44,200*																65
70	73.3	319.2	43,800*																70
75	71.8	317.6	43,500*	73.1	318.7	49,700*													75
80	70.3	315.9	43,200*	71.6	317.1	49,400*													80
85	68.8	314.0	42,600*	70.1	315.3	49,100*													85
90	67.2	311.9	42,100*	68.5	313.4	48,100	70.5	315.0	44,800										90
95	65.7	309.7	41,600*	67.0	311.3	44,400	68.9	313.1	41,300										95
100	64.1	307.3	41,100*	65.4	309.0	41,100	67.4	311.1	38,200										100
105	62.5	304.8	40,000	63.8	306.6	38,100	65.8	308.9	35,400	67.7	310.5	32,600							105
110	60.8	302.0	37,200	62.2	304.0	35,500	64.2	306.5	32,900	66.2	308.4	30,200							110
115	59.2	299.1	34,700	60.6	301.3	33,100	62.6	304.0	30,600	64.6	306.1	28,100							115
120	57.5	296.0	32,500	58.9	298.3	30,900	61.0	301.3	28,500	63.0	303.6	26,100							120
125	55.8	292.6	30,400	57.2	295.1	28,900	59.3	298.3	26,600	61.4	300.9	24,300							125
130	54.0	289.1	28,500	55.5	291.8	27,000	57.6	295.2	24,800	59.7	298.0	22,700							130
135	52.2	285.3	26,700	53.7	288.2	25,300	55.9	291.9	23,200	58.0	294.9	21,100	61.4	298.5	17,700				135
140	50.4	281.2	25,100	51.9	284.3	23,800	54.2	288.4	21,800	56.3	291.7	19,700	59.8	295.7	16,400				140
145	48.5	276.9	23,600	50.1	280.2	22,300	52.4	284.6	20,400	54.6	288.2	18,400	58.1	292.6	15,300				145
150	46.5	272.2	22,200	48.2	275.8	21,000	50.5	280.5	19,100	52.8	284.5	17,200	56.4	289.3	14,200				150
155	44.5	267.3	20,900	46.2	271.1	19,700	48.6	276.2	17,900	51.0	280.5	16,100	54.6	285.9	13,100				155
160	42.4	261.9	19,700	44.2	266.1	18,500	46.7	271.6	16,800	49.1	276.2	15,100	52.9	282.1	12,200	56.4	286.0	9,400	160
165	40.2	256.1	18,600	42.0	260.7	17,400	44.7	266.7	15,800	47.2	271.7	14,100	51.0	278.2	11,300	54.6	282.5	8,600	165
170	37.9	249.9	17,500	39.8	254.9	16,400	42.6	261.4	14,800	45.2	266.8	13,100	49.2	273.9	10,500	52.8	278.8	7,800	170
175	35.5	243.1	16,500	37.5	248.5	15,400	40.4	255.6	13,800	43.1	261.6	12,300	47.2	269.4	9,700	51.0	274.8	7,100	175
180	32.9	235.6	15,500	35.1	241.6	14,500	38.1	249.4	13,000	40.9	256.0	11,400	45.2	264.6	8,900	49.1	270.5	6,500	180
185	30.2	227.4	14,600	32.5	234.1	13,600	35.7	242.7	12,200	38.7	249.9	10,700	43.2	259.4	8,200	47.2	266.0	5,800	185
190	27.1	218.1	13,800	29.7	225.6	12,800	33.2	235.3	11,400	36.3	243.3	9,900	41.0	253.7	7,600	45.2	261.2	5,200	190
195	23.8	207.4	13,000	26.6	216.1	12,000	30.4	227.1	10,600	33.8	236.1	9,200	38.8	247.7	6,900	43.1	255.9	4,700	195
200	19.8	194.7	12,200	23.2	205.2	11,300	27.4	217.9	9,900	31.1	228.1	8,600	36.4	241.1	6,300	41.0	250.3	4,100	200
205	15.0	178.3	11,400	19.1	192.0	10,500	24.1	207.4	9,200	28.2	219.2	7,900	33.9	233.9	5,700				205
210	7.3	152.0	10,600	14.0	174.8	9,800	20.2	194.8	8,600	24.9	209.0	7,300	31.2	225.9	5,200				210
215				4.9	143.4	9,100	15.4	178.9	7,900	21.2	197.0	6,700	28.3	217.0	4,700				215
220							8.2	154.2	7,300	16.7	182.1	6,200	25.0	206.9	4,200				220
225										10.4	160.8	5,600							225

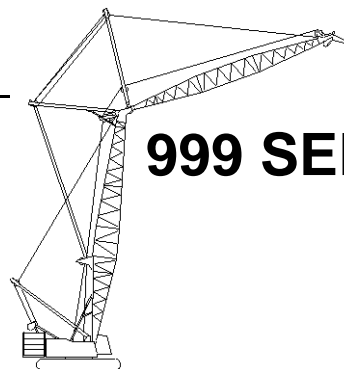


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



120 Ft. Boom, 210 Ft. Jib

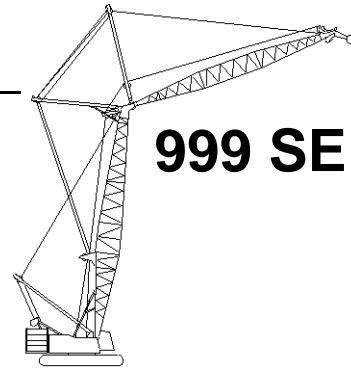
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.6	331.1	40,300*																65
70	74.2	329.7	39,900*																70
75	72.7	328.2	39,600*	73.9	329.1	45,200*													75
80	71.3	326.5	39,200*	72.5	327.6	44,800*													80
85	69.8	324.7	38,800*	71.1	325.9	44,500*													85
90	68.4	322.8	38,500*	69.6	324.1	44,200*													90
95	66.9	320.7	38,200*	68.1	322.1	43,800*	70.0	323.8	40,800										95
100	65.4	318.4	37,800*	66.7	320.0	40,600	68.5	321.9	37,700										100
105	63.9	316.0	37,300*	65.2	317.7	37,700	67.0	319.8	34,900										105
110	62.4	313.4	36,800	63.6	315.3	35,000	65.5	317.6	32,400	67.4	319.3	29,700							110
115	60.8	310.7	34,300	62.1	312.7	32,600	64.0	315.2	30,100	65.9	317.1	27,600							115
120	59.2	307.8	32,000	60.5	309.9	30,400	62.5	312.6	28,000	64.4	314.7	25,600							120
125	57.6	304.7	29,900	59.0	307.0	28,400	60.9	309.9	26,100	62.9	312.2	23,800							125
130	56.0	301.3	28,000	57.3	303.8	26,600	59.4	307.0	24,300	61.3	309.5	22,100							130
135	54.3	297.8	26,300	55.7	300.5	24,900	57.8	303.9	22,700	59.7	306.7	20,600	62.9	309.9	17,200				135
140	52.6	294.1	24,700	54.0	296.9	23,300	56.1	300.6	21,300	58.1	303.6	19,200	61.4	307.2	15,900				140
145	50.9	290.1	23,200	52.3	293.1	21,900	54.5	297.1	19,900	56.5	300.4	17,900	59.8	304.3	14,700				145
150	49.1	285.8	21,800	50.6	289.1	20,500	52.7	293.4	18,600	54.9	296.9	16,700	58.2	301.3	13,600				150
155	47.2	281.3	20,500	48.8	284.8	19,300	51.0	289.4	17,400	53.2	293.2	15,600	56.6	298.0	12,600				155
160	45.3	276.4	19,300	46.9	280.2	18,100	49.2	285.2	16,300	51.4	289.3	14,600	54.9	294.6	11,700				160
165	43.4	271.2	18,100	45.0	275.3	17,000	47.4	280.6	15,300	49.7	285.1	13,600	53.2	290.9	10,800	56.5	294.6	8,000	165
170	41.3	265.7	17,100	43.0	270.1	16,000	45.5	275.8	14,300	47.8	280.7	12,700	51.5	287.0	9,900	54.9	291.2	7,300	170
175	39.2	259.7	16,100	41.0	264.4	15,000	43.5	270.7	13,400	45.9	276.0	11,800	49.7	282.8	9,200	53.2	287.5	6,600	175
180	37.0	253.3	15,100	38.8	258.4	14,100	41.5	265.2	12,500	44.0	270.9	11,000	47.9	278.4	8,400	51.5	283.6	5,900	180
185	34.6	246.2	14,200	36.6	251.8	13,200	39.4	259.2	11,700	42.0	265.5	10,200	46.0	273.7	7,700	49.7	279.4	5,300	185
190	32.1	238.5	13,400	34.2	244.7	12,400	37.2	252.8	10,900	39.9	259.6	9,500	44.1	268.6	7,000	47.9	275.0	4,700	190
195	29.4	230.0	12,500	31.7	236.9	11,600	34.8	245.8	10,200	37.7	253.3	8,800	42.1	263.2	6,400	46.0	270.3	4,100	195
200	26.5	220.4	11,800	28.9	228.2	10,900	32.3	238.2	9,500	35.4	246.5	8,100	40.0	257.4	5,800				200
205	23.2	209.5	11,000	26.0	218.5	10,100	29.6	229.7	8,800	32.9	239.0	7,500	37.8	251.1	5,300				205
210	19.4	196.4	10,300	22.6	207.2	9,500	26.7	220.3	8,200	30.3	230.8	6,900	35.5	244.3	4,700				210
215	14.6	179.6	9,600	18.7	193.6	8,800	23.5	209.4	7,500	27.5	221.6	6,300	33.0	236.9	4,200				215
220	7.1	152.6	8,900	13.6	176.0	8,200	19.7	196.6	7,000	24.3	211.1	5,700							220
225				4.8	143.8	7,500	15.0	180.2	6,400	20.7	198.8	5,200							225
230							8.0	154.9	5,800	16.3	183.6	4,700							230
235										10.1	161.6	4,100							235



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 220 Ft. Jib

Jib 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			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
70	74.9	340.1	36,300*																70	
75	73.5	338.6	36,000*																75	
80	72.2	337.0	35,600*	73.3	338.1	40,700*													80	
85	70.8	335.3	35,300*	72.0	336.5	40,400*													85	
90	69.4	333.5	34,900*	70.6	334.8	40,000*													90	
95	68.0	331.5	34,600*	69.2	332.9	39,700*	70.9	334.5	38,500*										95	
100	66.6	329.4	34,200*	67.8	330.9	39,300*	69.5	332.6	37,100										100	
105	65.2	327.1	33,900*	66.4	328.7	37,100	68.1	330.7	34,300										105	
110	63.7	324.7	33,600*	64.9	326.4	34,400	66.7	328.6	31,700										110	
115	62.3	322.1	33,300*	63.5	324.0	32,000	65.3	326.3	29,500	67.1	328.0	26,900							115	
120	60.8	319.4	31,500	62.0	321.4	29,800	63.8	323.9	27,400	65.6	325.8	24,900							120	
125	59.3	316.4	29,400	60.5	318.6	27,800	62.4	321.3	25,500	64.2	323.4	23,100							125	
130	57.7	313.3	27,500	59.0	315.6	26,000	60.9	318.6	23,700	62.7	320.9	21,500							130	
135	56.2	310.0	25,800	57.5	312.5	24,300	59.4	315.7	22,100	61.3	318.2	20,000							135	
140	54.6	306.5	24,100	55.9	309.2	22,700	57.9	312.6	20,700	59.7	315.3	18,600	62.8	318.5	15,200				140	
145	53.0	302.8	22,600	54.3	305.6	21,300	56.3	309.3	19,300	58.2	312.3	17,300	61.3	315.8	14,000				145	
150	51.3	298.9	21,200	52.7	301.9	20,000	54.7	305.8	18,000	56.7	309.1	16,100	59.8	313.0	12,900				150	
155	49.6	294.7	20,000	51.0	297.9	18,700	53.1	302.1	16,800	55.1	305.6	15,000	58.3	309.9	11,900				155	
160	47.9	290.3	18,700	49.3	293.7	17,500	51.4	298.2	15,700	53.5	302.0	13,900	56.7	306.7	11,000				160	
165	46.1	285.5	17,600	47.6	289.2	16,400	49.7	294.1	14,700	51.8	298.1	13,000	55.2	303.3	10,100				165	
170	44.2	280.5	16,500	45.8	284.4	15,400	48.0	289.6	13,700	50.2	294.0	12,000	53.5	299.7	9,300	56.7	303.3	6,600	170	
175	42.3	275.1	15,500	43.9	279.4	14,400	46.2	284.9	12,800	48.4	289.7	11,200	51.9	295.8	8,500	55.1	299.9	5,900	175	
180	40.3	269.4	14,600	42.0	273.9	13,500	44.4	279.9	11,900	46.7	285.0	10,400	50.2	291.7	7,800	53.5	296.3	5,200	180	
185	38.3	263.2	13,700	40.0	268.1	12,700	42.5	274.6	11,100	44.8	280.1	9,600	48.5	287.4	7,100	51.9	292.4	4,600	185	
190	36.1	256.5	12,800	37.9	261.8	11,800	40.5	268.9	10,300	42.9	274.9	8,900	46.7	282.8	6,400	50.2	288.3	4,000	190	
195	33.8	249.3	12,000	35.7	255.1	11,100	38.4	262.7	9,600	41.0	269.2	8,200	44.9	277.8	5,800				195	
200	31.3	241.3	11,300	33.4	247.7	10,300	36.3	256.1	8,900	38.9	263.2	7,500	43.0	272.6	5,200				200	
205	28.7	232.6	10,500	30.9	239.7	9,600	34.0	248.9	8,300	36.8	256.7	6,900	41.0	267.0	4,600				205	
210	25.8	222.7	9,800	28.3	230.7	9,000	31.6	241.0	7,600	34.5	249.6	6,300	39.0	260.9	4,100				210	
215	22.6	211.4	9,200	25.3	220.7	8,300	28.9	232.3	7,000	32.2	241.9	5,700							215	
220	18.9	198.0	8,500	22.1	209.1	7,700	26.1	222.6	6,400	29.6	233.4	5,200							220	
225	14.2	180.8	7,900	18.2	195.2	7,100	22.9	211.5	5,900	26.8	224.0	4,600							225	
230	6.9	153.1	7,300	13.3	177.1	6,500	19.2	198.2	5,300	23.7	213.2	4,100							230	
235				4.6	144.2	5,900	14.7	181.5	4,800											235
240							7.8	155.5	4,300											240

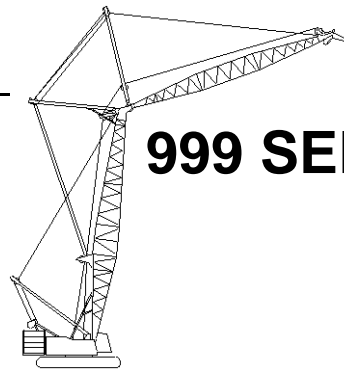


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



120 Ft. Boom, 230 Ft. Jib

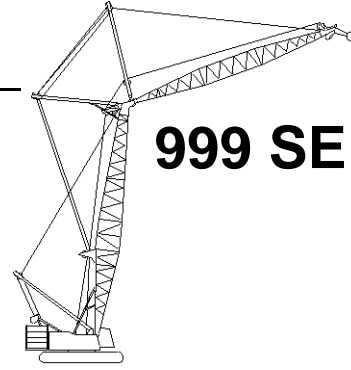
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.6	350.4	34,000*													70
75	74.3	349.0	33,700*													75
80	73.0	347.5	33,400*													80
85	71.7	345.9	33,100*	72.8	347.0	38,300*										85
90	70.3	344.2	32,700*	71.5	345.3	38,000*										90
95	69.0	342.3	32,500*	70.1	343.6	37,700*										95
100	67.7	340.3	32,100*	68.8	341.7	37,300*	70.5	343.3	36,600							100
105	66.3	338.1	31,700*	67.5	339.6	36,700	69.1	341.4	33,800							105
110	64.9	335.8	31,300*	66.1	337.4	34,000	67.8	339.4	31,300							110
115	63.6	333.4	31,000*	64.7	335.1	31,600	66.4	337.3	29,000							115
120	62.2	330.8	29,900*	63.3	332.7	29,400	65.1	335.0	26,900	66.8	336.8	24,500				120
125	60.7	328.0	28,600*	61.9	330.0	27,400	63.7	332.6	25,100	65.4	334.5	22,700				125
130	59.3	325.1	27,100	60.5	327.2	25,600	62.3	330.0	23,300	64.0	332.1	21,100				130
135	57.8	322.0	25,300	59.1	324.3	23,900	60.9	327.2	21,700	62.6	329.6	19,600				135
140	56.3	318.7	23,700	57.6	321.2	22,300	59.4	324.3	20,200	61.2	326.9	18,200				140
145	54.8	315.3	22,200	56.1	317.9	20,900	58.0	321.2	18,900	59.8	324.0	16,900	62.7	327.2	13,600	145
150	53.3	311.6	20,800	54.6	314.4	19,500	56.5	318.0	17,600	58.3	321.0	15,700	61.2	324.5	12,500	150
155	51.7	307.7	19,500	53.0	310.7	18,300	55.0	314.5	16,400	56.8	317.7	14,600	59.8	321.6	11,500	155
160	50.1	303.6	18,300	51.4	306.7	17,100	53.4	310.9	15,300	55.3	314.3	13,500	58.4	318.6	10,600	160
165	48.4	299.2	17,200	49.8	302.6	16,000	51.8	307.0	14,300	53.8	310.7	12,500	56.9	315.4	9,700	165
170	46.7	294.6	16,100	48.2	298.2	15,000	50.2	302.9	13,300	52.2	306.9	11,600	55.4	312.0	8,900	170
175	45.0	289.7	15,100	46.5	293.5	14,000	48.6	298.6	12,400	50.6	302.9	10,800	53.8	308.4	8,100	175
180	43.2	284.5	14,200	44.7	288.6	13,100	46.9	294.0	11,500	49.0	298.6	10,000	52.3	304.6	7,300	180
185	41.3	278.9	13,300	42.9	283.3	12,300	45.1	289.1	10,700	47.3	294.1	9,200	50.7	300.6	6,700	185
190	39.4	273.0	12,500	41.0	277.7	11,500	43.3	283.9	10,000	45.6	289.3	8,500	49.0	296.3	6,000	190
195	37.4	266.6	11,700	39.1	271.7	10,700	41.5	278.4	9,200	43.8	284.1	7,800	47.4	291.8	5,400	195
200	35.3	259.7	10,900	37.0	265.2	10,000	39.6	272.5	8,500	41.9	278.7	7,100	45.6	287.0	4,800	200
205	33.0	252.2	10,200	34.9	258.2	9,300	37.5	266.1	7,900	40.0	272.9	6,500	43.8	281.9	4,200	205
210	30.6	244.1	9,500	32.6	250.7	8,600	35.4	259.3	7,200	38.0	266.6	5,900				210
215	28.1	235.1	8,800	30.2	242.4	8,000	33.2	251.9	6,600	36.0	259.9	5,300				215
220	25.3	225.0	8,200	27.6	233.2	7,400	30.8	243.8	6,100	33.8	252.7	4,800				220
225	22.1	213.4	7,600	24.8	222.9	6,800	28.3	234.8	5,500	31.4	244.7	4,300				225
230	18.5	199.6	7,000	21.6	211.0	6,200	25.5	224.9	5,000							230
235	13.9	182.0	6,400	17.8	196.8	5,700	22.4	213.4	4,500							235
240	6.7	153.7	5,800	13.0	178.2	5,100	18.8	199.9	4,000							240
245				4.5	144.6	4,600										245



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

120 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75	75.0	359.4	30,800*													75
80	73.7	358.0	30,400*													80
85	72.5	356.5	30,100*	73.5	357.5	34,800*										85
90	71.2	354.8	29,800*	72.3	355.9	34,500*										90
95	69.9	353.0	29,500*	71.0	354.2	34,200*										95
100	68.7	351.1	29,200*	69.7	352.4	33,900*										100
105	67.4	349.0	28,900*	68.4	350.4	33,600*	70.0	352.1	33,100*							105
110	66.1	346.8	28,700*	67.2	348.4	33,300*	68.8	350.2	30,700							110
115	64.7	344.5	28,400*	65.8	346.2	31,100	67.5	348.2	28,400							115
120	63.4	342.0	28,100*	64.5	343.8	28,900	66.2	346.0	26,400	67.8	347.6	23,900				120
125	62.1	339.4	27,500*	63.2	341.3	26,900	64.9	343.7	24,500	66.5	345.5	22,100				125
130	60.7	336.7	26,400*	61.8	338.7	25,000	63.5	341.2	22,700	65.2	343.2	20,400				130
135	59.3	333.8	24,800	60.5	335.9	23,300	62.2	338.6	21,100	63.8	340.8	18,900				135
140	57.9	330.7	23,200	59.1	333.0	21,800	60.8	335.9	19,700	62.5	338.2	17,500				140
145	56.5	327.4	21,700	57.7	329.8	20,300	59.4	333.0	18,300	61.1	335.5	16,300				145
150	55.0	324.0	20,300	56.3	326.6	19,000	58.0	329.9	17,000	59.8	332.7	15,100	62.6	335.9	11,800	150
155	53.6	320.3	19,000	54.8	323.1	17,800	56.6	326.7	15,800	58.4	329.6	14,000	61.2	333.2	10,800	155
160	52.1	316.5	17,800	53.3	319.4	16,600	55.2	323.2	14,700	57.0	326.4	12,900	59.8	330.3	9,900	160
165	50.5	312.4	16,700	51.8	315.5	15,500	53.7	319.6	13,700	55.5	323.0	11,900	58.4	327.3	9,000	165
170	49.0	308.2	15,600	50.3	311.5	14,500	52.2	315.8	12,700	54.0	319.5	11,000	57.0	324.1	8,200	170
175	47.3	303.6	14,600	48.7	307.1	13,500	50.7	311.8	11,800	52.6	315.7	10,200	55.6	320.7	7,400	175
180	45.7	298.8	13,700	47.1	302.6	12,600	49.1	307.5	11,000	51.0	311.7	9,400	54.1	317.1	6,700	180
185	44.0	293.8	12,800	45.4	297.7	11,700	47.5	303.0	10,200	49.5	307.5	8,600	52.6	313.4	6,000	185
190	42.2	288.4	12,000	43.7	292.6	10,900	45.8	298.2	9,400	47.9	303.1	7,900	51.1	309.4	5,400	190
195	40.4	282.6	11,200	41.9	287.1	10,200	44.1	293.2	8,700	46.2	298.4	7,200	49.5	305.2	4,700	195
200	38.5	276.5	10,400	40.1	281.3	9,400	42.4	287.8	8,000	44.5	293.4	6,500	47.9	300.8	4,200	200
205	36.6	269.9	9,700	38.2	275.1	8,700	40.6	282.1	7,300	42.8	288.1	5,900				205
210	34.5	262.8	9,000	36.2	268.5	8,100	38.7	276.0	6,700	41.0	282.5	5,300				210
215	32.3	255.1	8,300	34.1	261.3	7,400	36.7	269.5	6,100	39.1	276.4	4,800				215
220	30.0	246.8	7,700	31.9	253.5	6,800	34.7	262.4	5,500	37.2	270.0	4,200				220
225	27.5	237.5	7,100	29.6	245.0	6,300	32.5	254.8	5,000							225
230	24.7	227.2	6,500	27.0	235.6	5,700	30.2	246.5	4,500							230
235	21.6	215.3	6,000	24.2	225.0	5,200	27.7	237.3	4,000							235
240	18.1	201.2	5,400	21.1	212.9	4,700										240
245	13.6	183.2	4,900	17.4	198.3	4,200										245
250	6.6	154.3	4,400													250

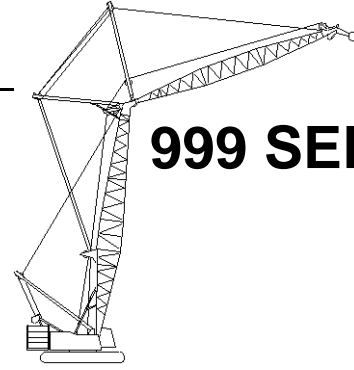


Liftcrane Luffing Jib Capacities

999 SERIES 2

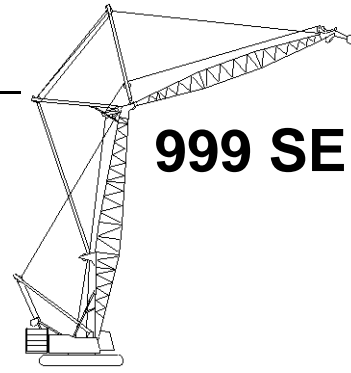
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
184,600 Lb. Crane Counterweight
44,000 Lb. Carbody Counterweight
360 Degree Rating

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



130 Ft. Boom, 70 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	62.7	199.6	120,100*b																			45
50	58.0	196.7	111,500*b	62.3	199.1	118,700*b																50
55	52.9	193.1	103,900*	57.5	196.0	110,300*b	63.9	199.2	107,100b													55
60	47.5	188.8	97,300*	52.4	192.4	99,300	59.2	196.4	95,700b	65.5	198.9	92,100b										60
65	41.6	183.5	91,600*	47.0	188.0	89,600	54.3	193.0	86,400	60.9	196.3	83,100b										65
70	34.8	176.9	83,400	41.0	182.6	81,500	49.0	188.9	78,500	56.0	193.1	75,600b										70
75	26.5	168.1	76,300	34.1	175.9	74,600	43.2	183.9	71,900	50.8	189.2	69,200	61.8	194.2	64,700b							75
80	14.1	153.8	65,500*	25.6	166.8	68,600	36.7	177.7	66,200	45.2	184.6	63,700	57.0	191.2	59,500b							80
85				12.2	151.2	63,300	28.9	169.6	61,200	39.0	178.8	58,900	51.9	187.5	55,100							85
90							18.1	157.5	56,800	31.7	171.5	54,700	46.4	183.0	51,100	57.8	188.1	47,600b				90
95										22.4	161.3	50,900	40.4	177.5	47,700	52.7	184.5	44,300				95
100													33.4	170.5	44,500	47.3	180.1	41,400				100
105													24.6	161.1	41,700	41.3	174.8	38,800				105
110													9.9	143.9	39,100	34.5	168.1	36,500	47.8	176.0	33,800	110
115																26.1	159.2	34,300	41.8	170.7	31,800	115
120																13.3	144.4	32,200	35.1	164.2	29,900	120
125																			26.9	155.5	28,200	125
130																			14.8	141.6	26,600	130



Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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

130 Ft. Boom, 80 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	66.4	210.8	116,400*b																			45
50	62.4	208.3	108,200*b	66.0	210.3	115,100*b																50
55	58.2	205.3	101,000*	62.0	207.7	107,300*b	67.4	210.3	106,700b													55
60	53.9	201.8	94,700*	57.8	204.7	99,000	63.4	207.9	95,300b													60
65	49.2	197.7	89,000*	53.4	201.2	89,300	59.3	205.1	85,900	64.8	207.6	82,600b										65
70	44.2	192.9	83,200	48.8	197.0	81,200	55.0	201.7	78,100	60.8	205.0	75,100										70
75	38.7	187.0	76,200	43.7	192.1	74,300	50.5	197.8	71,500	56.5	201.8	68,700										75
80	32.4	179.8	70,100	38.2	186.1	68,400	45.6	193.1	65,800	52.1	198.1	63,300	61.6	202.9	58,900							80
85	24.7	170.3	64,900	31.8	178.7	63,300	40.2	187.6	60,900	47.3	193.7	58,500	57.4	199.8	54,500							85
90	13.1	154.9	57,900*	23.9	168.9	58,800	34.2	180.8	56,600	42.1	188.5	54,300	53.0	196.3	50,600							90
95				11.4	152.2	54,700	26.9	172.0	52,700	36.3	182.1	50,700	48.3	192.0	47,200							95
100							16.9	158.9	49,200	29.6	174.2	47,300	43.2	187.0	44,100	53.7	193.2	40,900				100
105										20.9	163.1	44,300	37.6	180.9	41,300	49.0	189.1	38,300				105
110													31.1	173.3	38,800	44.0	184.2	36,000				110
115													22.9	163.1	36,500	38.5	178.3	33,800	49.4	184.9	31,200	115
120													9.2	144.6	34,300	32.1	171.0	31,900	44.4	180.1	29,400	120
125																24.3	161.3	30,100	39.0	174.3	27,700	125
130																12.4	145.4	28,400	32.7	167.2	26,200	130
135																			25.1	157.7	24,800	135
140																			13.7	142.8	23,400	140

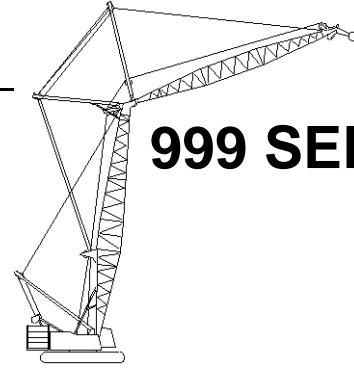


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



130 Ft. Boom, 90 Ft. Jib

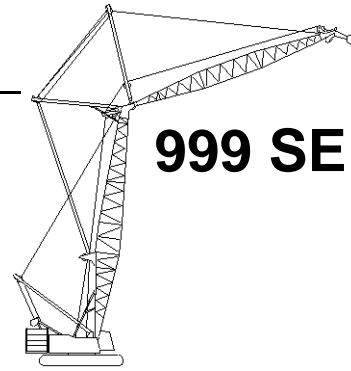
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	69.2	221.7	113,000*b																			45
50	65.7	219.5	105,400*b	68.8	221.1	112,200*b																50
55	62.1	217.0	98,600*	65.4	218.9	104,700*b	70.0	221.1	106,300b													55
60	58.4	214.0	92,500*	61.8	216.4	98,000*	66.6	219.0	95,000b													60
65	54.6	210.6	87,100*	58.1	213.4	89,000	63.1	216.6	85,600	67.8	218.6	82,200b										65
70	50.5	206.6	82,100*	54.2	209.9	81,000	59.4	213.7	77,900	64.3	216.3	74,700										70
75	46.2	202.1	74,700*	50.1	205.9	74,100	55.6	210.4	71,300	60.7	213.6	68,400										75
80	41.5	196.7	68,400*	45.8	201.3	68,300	51.6	206.6	65,600	56.9	210.5	63,000										80
85	36.4	190.4	62,900*	41.1	195.8	63,200	47.4	202.2	60,700	53.0	206.9	58,200	61.4	211.6	54,100							85
90	30.5	182.5	58,400*	35.9	189.4	58,700	42.8	197.1	56,400	48.8	202.7	54,100	57.7	208.5	50,300							90
95	23.2	172.3	55,000*	29.9	181.4	54,700	37.8	191.0	52,600	44.4	197.8	50,400	53.8	205.0	46,800							95
100	12.3	155.9	50,500*	22.4	170.8	51,100	32.1	183.6	49,200	39.6	192.1	47,100	49.7	201.0	43,800							100
105				10.7	153.0	47,900	25.3	174.2	46,100	34.1	185.2	44,200	45.3	196.2	41,000	54.4	202.0	37,900				105
110							15.9	160.3	43,300	27.8	176.6	41,500	40.6	190.7	38,600	50.4	198.0	35,600				110
115										19.6	164.8	39,100	35.3	184.1	36,300	46.0	193.4	33,500				115
120													29.2	175.9	34,300	41.3	188.0	31,600	50.7	193.8	29,000	120
125													21.6	165.0	32,300	36.2	181.6	29,900	46.4	189.3	27,400	125
130													8.6	145.3	30,500	30.2	173.7	28,200	41.7	184.0	25,900	130
135																22.9	163.3	26,700	36.6	177.6	24,500	135
140																11.6	146.4	25,300	30.7	169.9	23,200	140
145																			23.5	159.8	22,000	145
150																			12.9	143.8	20,800	150



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 100 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	71.3	232.3	107,100*b																			45
50	68.3	230.4	102,200*	71.1	231.8	108,500*b																50
55	65.1	228.2	95,800*	68.0	229.9	101,700*																55
60	61.9	225.6	90,000*	64.8	227.6	95,400*	69.1	229.9	94,500b													60
65	58.6	222.7	84,700*	61.6	225.0	88,600	66.0	227.7	85,100													65
70	55.1	219.3	79,900*	58.3	222.1	80,600	62.8	225.2	77,400	67.0	227.4	74,200										70
75	51.5	215.5	73,200*	54.8	218.7	73,700	59.5	222.4	70,800	63.9	225.0	67,900										75
80	47.7	211.1	67,000*	51.2	214.8	67,900	56.0	219.1	65,200	60.6	222.3	62,400										80
85	43.7	206.1	61,500*	47.4	210.4	62,800	52.5	215.4	60,300	57.2	219.2	57,700										85
90	39.3	200.3	56,700*	43.3	205.3	58,300	48.7	211.2	56,000	53.7	215.6	53,600	61.3	220.2	49,700							90
95	34.4	193.5	52,600*	38.9	199.4	54,400	44.8	206.4	52,200	50.0	211.6	49,900	57.9	217.2	46,300							95
100	28.8	185.1	49,200*	33.9	192.4	50,900	40.5	200.8	48,800	46.1	207.0	46,700	54.5	213.8	43,200							100
105	22.0	174.2	46,600*	28.3	183.9	47,700	35.7	194.3	45,700	42.0	201.7	43,800	50.8	209.8	40,500							105
110	11.6	156.9	44,000*	21.2	172.7	44,800	30.4	186.4	43,000	37.4	195.5	41,100	47.0	205.4	38,100	55.0	210.7	35,000				110
115				10.1	153.9	42,100	23.9	176.3	40,500	32.3	188.1	38,800	42.9	200.2	35,800	51.4	206.9	32,900				115
120							15.0	161.6	38,200	26.3	179.0	36,600	38.4	194.2	33,800	47.6	202.5	31,100				120
125										18.6	166.4	34,500	33.4	187.1	31,900	43.5	197.4	29,300	51.7	202.7	26,800	125
130													27.6	178.4	30,200	39.1	191.6	27,700	47.9	198.3	25,300	130
135													20.4	166.8	28,600	34.2	184.7	26,300	43.8	193.4	23,900	135
140													8.1	146.0	27,000	28.6	176.3	24,900	39.5	187.6	22,700	140
145																21.6	165.2	23,600	34.6	180.8	21,500	145
150																11.0	147.3	22,300	29.1	172.5	20,400	150
155																			22.3	161.7	19,300	155
160																			12.2	144.9	18,300	160

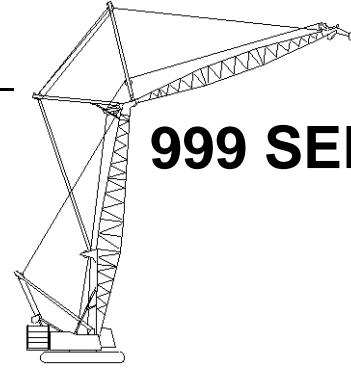


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



130 Ft. Boom, 110 Ft. Jib

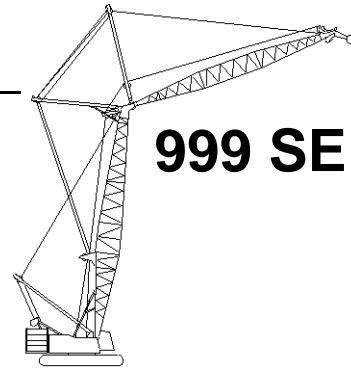
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.1	242.9	98,300*b																			45
50	70.3	241.2	96,600*	72.8	242.4	105,100*b																50
55	67.5	239.2	92,900*	70.1	240.7	98,700*																55
60	64.7	236.9	87,700*	67.3	238.6	93,000*																60
65	61.7	234.3	82,700*	64.4	236.3	87,500*	68.3	238.6	85,000													65
70	58.7	231.3	77,800*	61.5	233.7	80,500	65.4	236.4	77,300													70
75	55.6	228.0	71,500*	58.4	230.7	73,700	62.5	233.9	70,700	66.4	236.1	67,700										75
80	52.4	224.3	65,800*	55.3	227.4	67,800	59.5	231.0	65,000	63.5	233.7	62,300										80
85	48.9	220.1	60,600*	52.0	223.6	62,700	56.4	227.8	60,200	60.5	230.9	57,600										85
90	45.4	215.4	55,700*	48.6	219.4	58,300	53.2	224.2	55,900	57.5	227.9	53,500										90
95	41.5	209.9	51,500*	45.0	214.6	54,300	49.8	220.1	52,100	54.3	224.4	49,800	61.2	228.9	46,100							95
100	37.4	203.7	47,900*	41.1	209.1	50,800	46.3	215.6	48,700	51.0	220.5	46,600	58.1	225.9	43,100							100
105	32.7	196.4	44,700*	36.9	202.8	47,700	42.5	210.3	45,700	47.5	216.1	43,700	55.0	222.5	40,400							105
110	27.4	187.5	42,100*	32.3	195.3	44,900	38.5	204.3	43,000	43.9	211.1	41,100	51.7	218.7	37,900							110
115	20.9	176.1	40,200*	26.9	186.3	42,300	34.0	197.3	40,500	39.9	205.4	38,700	48.3	214.4	35,700	55.5	219.4	32,800				115
120	11.0	157.8	38,900*	20.2	174.4	39,900	28.9	188.9	38,200	35.6	198.7	36,500	44.6	209.5	33,700	52.2	215.7	30,900				120
125				9.6	154.7	37,700	22.8	178.3	36,100	30.7	190.9	34,500	40.7	204.0	31,800	48.8	211.5	29,200				125
130							14.3	162.8	34,200	25.0	181.2	32,700	36.5	197.5	30,100	45.2	206.7	27,600	52.5	211.5	25,100	130
135										17.7	167.9	31,000	31.8	190.0	28,600	41.4	201.3	26,100	49.1	207.3	23,800	135
140													26.3	180.7	27,100	37.2	195.0	24,800	45.5	202.6	22,500	140
145													19.4	168.5	25,700	32.5	187.6	23,500	41.7	197.2	21,400	145
150													7.7	146.6	24,400	27.2	178.7	22,300	37.5	191.0	20,300	150
155																20.6	167.0	21,200	32.9	183.7	19,200	155
160																10.4	148.1	20,100	27.7	175.0	18,300	160
165																			21.2	163.6	17,400	165
170																			11.6	145.8	16,500	170



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 120 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.5	253.3	90,000*																			45
50	72.0	251.8	87,900*																			50
55	69.5	250.0	86,600*	71.8	251.3	95,600*																55
60	66.9	247.9	83,500*	69.3	249.5	90,100*																60
65	64.3	245.6	80,400*	66.7	247.4	85,100*	70.2	249.4	84,500													65
70	61.6	242.9	75,400*	64.0	245.0	80,100	67.6	247.4	76,800													70
75	58.8	240.0	69,600*	61.3	242.4	73,200	65.0	245.1	70,200													75
80	56.0	236.7	64,300*	58.6	239.4	67,400	62.3	242.6	64,600	65.9	244.8	61,800										80
85	53.0	233.1	59,500*	55.7	236.1	62,300	59.6	239.7	59,700	63.2	242.3	57,100										85
90	49.9	229.0	55,000*	52.7	232.4	57,900	56.7	236.5	55,400	60.5	239.6	53,000										90
95	46.7	224.5	50,800*	49.6	228.3	54,000	53.8	233.0	51,600	57.7	236.5	49,300										95
100	43.3	219.4	47,100*	46.4	223.7	50,500	50.8	229.0	48,300	54.8	233.1	46,100	61.1	237.5	42,500							100
105	39.7	213.6	43,900*	43.0	218.5	47,300	47.6	224.6	45,300	51.8	229.3	43,200	58.3	234.5	39,800							105
110	35.7	207.0	41,000*	39.3	212.7	44,500	44.2	219.6	42,600	48.7	225.1	40,600	55.4	231.2	37,400							110
115	31.3	199.2	38,500*	35.3	206.0	41,900	40.6	214.1	40,100	45.4	220.3	38,200	52.4	227.5	35,200							115
120	26.2	189.9	36,500*	30.8	198.1	39,600	36.7	207.7	37,800	41.9	214.9	36,100	49.3	223.3	33,200	55.9	228.1	30,300				120
125	20.0	177.8	35,000*	25.7	188.6	37,500	32.5	200.3	35,800	38.1	208.8	34,100	46.1	218.7	31,300	52.9	224.5	28,600				125
130	10.5	158.7	34,200*	19.3	176.1	35,500	27.6	191.4	33,900	34.0	201.8	32,300	42.6	213.4	29,700	49.8	220.4	27,000				130
135				9.1	155.4	33,600	21.8	180.2	32,100	29.4	193.5	30,600	38.9	207.5	28,100	46.6	215.8	25,600				135
140							13.6	163.9	30,500	23.9	183.3	29,100	34.9	200.7	26,600	43.2	210.7	24,300	50.1	216.2	21,900	140
145										16.9	169.4	27,600	30.4	192.7	25,300	39.5	204.9	23,000	46.8	211.7	20,800	145
150													25.1	183.0	24,000	35.5	198.2	21,900	43.4	206.6	19,700	150
155													18.5	170.1	22,800	31.1	190.4	20,800	39.8	200.8	18,700	155
160													7.3	147.2	21,700	26.0	181.0	19,700	35.9	194.3	17,800	160
165																19.7	168.7	18,800	31.5	186.6	16,900	165
170																9.9	149.0	17,800	26.4	177.3	16,000	170
175																			20.3	165.4	15,200	175
180																			11.1	146.8	14,400	180

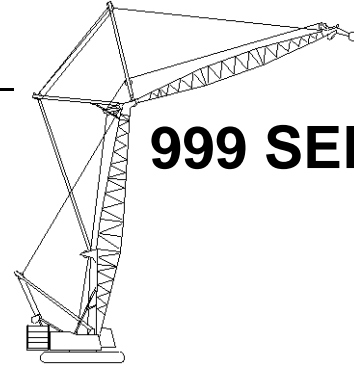


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



130 Ft. Boom, 130 Ft. Jib

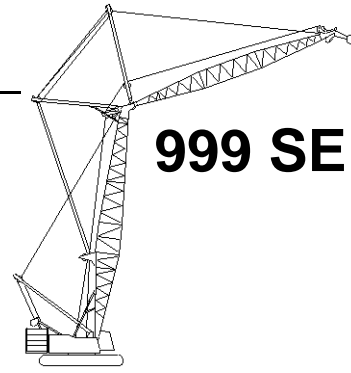
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.8	263.7	83,400*b																			45
50	73.5	262.3	80,800*																			50
55	71.2	260.6	79,100*	73.3	261.8	92,600*																55
60	68.8	258.7	77,200*	70.9	260.1	87,600*																60
65	66.4	256.6	76,200*	68.6	258.2	79,800																65
70	64.0	254.2	72,900*	66.2	256.1	72,100	69.4	258.2	67,800													70
75	61.5	251.6	67,700*	63.7	253.7	65,700	67.0	256.1	61,700													75
80	58.9	248.7	62,600	61.2	251.0	60,100	64.6	253.8	56,400	67.9	255.7	52,700										80
85	56.3	245.4	57,600	58.7	248.1	55,300	62.1	251.2	51,800	65.4	253.5	48,400										85
90	53.6	241.8	53,300	56.0	244.8	51,100	59.6	248.4	47,900	63.0	251.0	44,600										90
95	50.8	237.9	49,400	53.3	241.2	47,400	57.0	245.2	44,300	60.5	248.3	41,300										95
100	47.8	233.5	46,000	50.5	237.2	44,100	54.3	241.7	41,200	57.9	245.2	38,300										100
105	44.8	228.6	42,900	47.6	232.7	41,100	51.5	237.9	38,400	55.2	241.8	35,700	61.0	246.2	31,200							105
110	41.5	223.2	40,200	44.5	227.8	38,400	48.6	233.6	35,800	52.5	238.1	33,300	58.4	243.2	29,000							110
115	38.0	217.0	37,700	41.2	222.3	36,000	45.6	228.8	33,500	49.6	234.0	31,100	55.8	239.9	27,000							115
120	34.2	210.0	35,400	37.7	216.1	33,800	42.4	223.6	31,500	46.6	229.4	29,100	53.0	236.3	25,200							120
125	30.0	201.9	33,300	33.8	209.0	31,800	38.9	217.6	29,500	43.5	224.3	27,300	50.2	232.2	23,600	56.2	236.8	20,000				125
130	25.2	192.1	31,300	29.6	200.7	29,900	35.2	210.9	27,800	40.1	218.6	25,600	47.3	227.7	22,100	53.5	233.2	18,600				130
135	19.2	179.5	29,500	24.7	190.7	28,200	31.2	203.1	26,100	36.5	212.2	24,100	44.1	222.8	20,700	50.7	229.3	17,400				135
140	10.1	159.5	27,700	18.5	177.7	26,500	26.5	193.7	24,600	32.6	204.7	22,700	40.8	217.2	19,400	47.7	224.8	16,200				140
145				8.7	156.2	24,900	20.9	182.0	23,200	28.2	196.0	21,300	37.3	210.9	18,200	44.6	220.0	15,200	50.9	225.1	12,200	145
150							13.1	165.1	21,800	23.0	185.3	20,100	33.4	203.7	17,100	41.4	214.5	14,200	48.0	220.7	11,300	150
155										16.2	170.8	18,900	29.1	195.3	16,100	37.9	208.3	13,200	44.9	215.8	10,500	155
160													24.1	185.1	15,100	34.1	201.3	12,300	41.6	210.4	9,700	160
165													17.8	171.6	14,100	29.8	193.1	11,500	38.2	204.3	8,900	165
170													7.0	147.8	13,100	24.9	183.2	10,700	34.4	197.4	8,300	170
175																18.9	170.4	10,000	30.2	189.3	7,600	175
180																9.5	149.8	9,200	25.4	179.5	7,000	180
185																			19.4	167.1	6,300	185
190																			10.6	147.7	5,700	190



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 140 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.7	272.7	74,100*																			50
55	72.6	271.2	72,700*																			55
60	70.4	269.4	71,200*	72.3	270.7	84,600*																60
65	68.2	267.5	69,700*	70.2	268.9	79,200																65
70	66.0	265.3	68,200*	68.0	267.0	71,500	70.9	268.8	67,100													70
75	63.7	262.9	65,700*	65.7	264.8	65,100	68.8	266.9	61,000													75
80	61.4	260.3	61,300*	63.5	262.4	59,500	66.5	264.8	55,700													80
85	59.0	257.3	57,100*	61.1	259.7	54,700	64.3	262.5	51,200	67.3	264.4	47,700										85
90	56.6	254.1	52,800	58.8	256.7	50,500	62.0	259.9	47,200	65.1	262.2	43,900										90
95	54.1	250.6	48,900	56.3	253.5	46,800	59.6	257.0	43,700	62.8	259.7	40,600										95
100	51.5	246.7	45,500	53.8	249.9	43,500	57.2	253.9	40,600	60.4	256.9	37,600										100
105	48.8	242.5	42,400	51.2	246.0	40,600	54.7	250.4	37,800	58.0	253.9	35,000										105
110	46.0	237.8	39,700	48.5	241.7	37,900	52.1	246.7	35,200	55.6	250.5	32,600	60.9	254.9	28,200							110
115	43.0	232.6	37,200	45.7	237.0	35,500	49.5	242.5	32,900	53.0	246.9	30,400	58.5	251.9	26,300							115
120	39.9	226.8	34,900	42.7	231.8	33,300	46.7	237.9	30,900	50.4	242.9	28,500	56.1	248.6	24,500							120
125	36.6	220.4	32,800	39.6	225.9	31,300	43.8	232.9	29,000	47.7	238.4	26,700	53.6	245.0	22,900							125
130	32.9	213.0	30,900	36.2	219.4	29,400	40.7	227.3	27,200	44.8	233.6	25,000	51.0	241.1	21,400	56.5	245.5	17,800				130
135	28.9	204.5	29,100	32.6	211.9	27,700	37.5	221.0	25,600	41.8	228.2	23,500	48.3	236.7	20,000	54.0	242.0	16,600				135
140	24.2	194.2	27,400	28.5	203.3	26,100	33.9	213.9	24,100	38.6	222.1	22,100	45.4	232.0	18,700	51.4	238.1	15,500				140
145	18.4	181.1	25,900	23.7	192.8	24,600	30.0	205.7	22,700	35.2	215.3	20,700	42.4	226.7	17,600	48.7	233.8	14,400				145
150	9.7	160.3	24,300	17.8	179.3	23,200	25.5	196.0	21,400	31.4	207.6	19,500	39.3	220.8	16,400	45.9	229.1	13,400	51.6	233.9	10,500	150
155				8.4	156.9	21,800	20.1	183.8	20,100	27.1	198.4	18,400	35.9	214.2	15,400	42.9	223.9	12,500	48.9	229.7	9,700	155
160							12.6	166.1	18,900	22.1	187.2	17,300	32.2	206.6	14,400	39.8	218.1	11,600	46.1	225.0	8,900	160
165										15.6	172.1	16,200	28.0	197.8	13,500	36.4	211.6	10,800	43.2	219.8	8,200	165
170													23.2	187.1	12,600	32.8	204.2	10,100	40.0	214.1	7,500	170
175													17.1	173.1	11,800	28.7	195.6	9,300	36.7	207.7	6,900	175
180													6.8	148.3	10,900	24.0	185.3	8,600	33.1	200.3	6,300	180
185																18.2	172.0	7,900	29.0	191.9	5,700	185
190																9.2	150.5	7,200	24.4	181.7	5,100	190
195																			18.7	168.7	4,600	195
200																			10.2	148.5	4,000	200

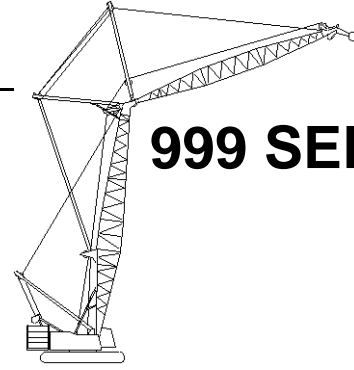


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



130 Ft. Boom, 150 Ft. Jib

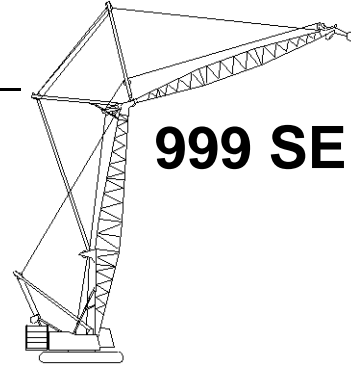
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.7	283.1	68,500*																			50
55	73.7	281.6	66,800*																			55
60	71.7	280.0	65,600*	73.6	281.2	79,100*																60
65	69.7	278.2	64,400*	71.6	279.6	77,800*																65
70	67.7	276.2	63,700*	69.5	277.7	71,300																70
75	65.6	274.0	62,000*	67.5	275.7	64,900	70.2	277.6	60,700													75
80	63.4	271.6	59,300*	65.4	273.5	59,300	68.2	275.7	55,500													80
85	61.3	268.9	55,600*	63.2	271.0	54,500	66.1	273.5	51,000													85
90	59.1	266.0	52,000*	61.1	268.3	50,300	64.0	271.2	47,000	66.8	273.2	43,700										90
95	56.8	262.8	48,600*	58.9	265.4	46,600	61.8	268.5	43,500	64.7	270.9	40,300										95
100	54.5	259.3	45,300	56.6	262.2	43,300	59.6	265.7	40,300	62.6	268.3	37,400										100
105	52.1	255.5	42,200	54.2	258.7	40,400	57.4	262.6	37,500	60.4	265.6	34,700										105
110	49.6	251.4	39,500	51.8	254.8	37,700	55.1	259.2	35,000	58.2	262.5	32,400	63.0	266.2	28,000							110
115	47.0	246.8	37,000	49.4	250.7	35,300	52.7	255.4	32,700	55.9	259.2	30,200	60.9	263.5	26,000							115
120	44.3	241.9	34,700	46.8	246.1	33,100	50.2	251.4	30,700	53.5	255.6	28,200	58.6	260.5	24,300							120
125	41.5	236.4	32,600	44.1	241.1	31,100	47.7	247.0	28,700	51.1	251.7	26,400	56.4	257.3	22,600							125
130	38.5	230.3	30,700	41.2	235.5	29,200	45.0	242.1	27,000	48.6	247.4	24,800	54.0	253.8	21,100							130
135	35.3	223.6	28,900	38.2	229.4	27,500	42.2	236.8	25,400	46.0	242.7	23,300	51.6	249.9	19,800	56.7	254.2	16,400				135
140	31.8	215.9	27,300	35.0	222.6	25,900	39.3	230.9	23,900	43.2	237.5	21,900	49.1	245.7	18,500	54.4	250.7	15,200				140
145	27.9	207.0	25,800	31.4	214.8	24,500	36.1	224.3	22,500	40.3	231.9	20,600	46.5	241.1	17,300	52.0	246.9	14,200				145
150	23.4	196.3	24,300	27.5	205.7	23,100	32.7	216.9	21,200	37.2	225.5	19,300	43.8	236.0	16,200	49.5	242.7	13,200				150
155	17.8	182.6	23,000	22.9	194.8	21,800	28.9	208.3	20,000	33.9	218.4	18,200	40.9	230.4	15,200	46.9	238.2	12,300	52.2	242.7	9,400	155
160	9.4	161.1	21,700	17.2	180.8	20,600	24.6	198.2	18,900	30.3	210.3	17,100	37.9	224.2	14,300	44.2	233.2	11,400	49.7	238.6	8,700	160
165				8.1	157.5	19,400	19.4	185.5	17,800	26.2	200.7	16,100	34.6	217.3	13,300	41.4	227.7	10,600	47.1	234.1	7,900	165
170							12.1	167.2	16,700	21.3	189.1	15,200	31.0	209.4	12,500	38.4	221.6	9,900	44.4	229.1	7,300	170
175										15.0	173.4	14,200	27.0	200.2	11,700	35.1	214.8	9,100	41.6	223.7	6,600	175
180													22.4	189.1	10,900	31.6	207.1	8,500	38.6	217.6	6,000	180
185													16.5	174.5	10,200	27.7	198.1	7,800	35.4	210.9	5,500	185
190													6.5	148.9	9,400	23.2	187.3	7,200	31.9	203.2	4,900	190
195																17.5	173.5	6,600	28.0	194.4	4,400	195
200																8.8	151.3	5,900				200



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 160 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.8	292.1	61,900*																			55
60	72.9	290.6	60,900*																			60
65	71.0	288.9	59,900*	72.7	290.1	71,400*																65
70	69.1	287.0	58,400*	70.9	288.4	70,700																70
75	67.2	285.0	57,400*	68.9	286.5	64,300																75
80	65.2	282.7	56,400*	67.0	284.5	58,700	69.6	286.4	54,800													80
85	63.2	280.3	53,800*	65.0	282.2	53,900	67.7	284.4	50,300													85
90	61.2	277.6	50,600*	63.0	279.7	49,800	65.7	282.2	46,300													90
95	59.1	274.7	47,500*	61.0	277.0	46,000	63.8	279.8	42,800	66.4	281.9	39,600										95
100	57.0	271.5	44,600*	58.9	274.1	42,700	61.7	277.2	39,700	64.4	279.6	36,700										100
105	54.8	268.0	41,700	56.8	270.9	39,800	59.7	274.4	36,900	62.4	277.0	34,100										105
110	52.6	264.3	39,000	54.6	267.4	37,100	57.6	271.2	34,400	60.4	274.2	31,700										110
115	50.3	260.3	36,500	52.4	263.6	34,700	55.4	267.9	32,100	58.3	271.2	29,500	62.8	274.9	25,300							115
120	47.9	255.9	34,200	50.1	259.5	32,500	53.2	264.2	30,100	56.1	267.9	27,600	60.8	272.2	23,500							120
125	45.4	251.1	32,100	47.7	255.1	30,500	50.9	260.3	28,200	53.9	264.4	25,800	58.7	269.2	21,900							125
130	42.8	245.8	30,200	45.2	250.3	28,700	48.5	255.9	26,400	51.7	260.5	24,200	56.6	266.0	20,400							130
135	40.1	240.1	28,400	42.6	245.0	27,000	46.1	251.3	24,800	49.3	256.3	22,600	54.4	262.5	19,100							135
140	37.2	233.7	26,800	39.8	239.2	25,400	43.5	246.1	23,300	46.9	251.8	21,200	52.2	258.7	17,800	56.9	262.9	14,400				140
145	34.1	226.6	25,300	36.9	232.8	24,000	40.8	240.5	21,900	44.4	246.8	19,900	49.8	254.6	16,600	54.7	259.4	13,400				145
150	30.7	218.6	23,900	33.8	225.6	22,600	38.0	234.3	20,700	41.8	241.4	18,700	47.4	250.1	15,600	52.5	255.7	12,400				150
155	26.9	209.3	22,600	30.4	217.5	21,300	34.9	227.5	19,500	39.0	235.4	17,600	44.9	245.2	14,500	50.2	251.6	11,500				155
160	22.6	198.3	21,300	26.6	208.1	20,100	31.6	219.7	18,300	36.0	228.8	16,500	42.3	239.9	13,600	47.8	247.2	10,700	52.7	251.5	7,900	160
165	17.2	184.1	20,100	22.1	196.8	19,000	28.0	210.8	17,300	32.8	221.3	15,600	39.6	234.0	12,700	45.3	242.4	9,900	50.4	247.4	7,200	165
170	9.0	161.9	19,000	16.6	182.2	17,900	23.8	200.3	16,300	29.3	212.9	14,600	36.6	227.6	11,900	42.7	237.1	9,100	48.0	243.1	6,500	170
175				7.8	158.2	16,800	18.8	187.1	15,300	25.3	203.0	13,700	33.5	220.3	11,100	40.0	231.4	8,400	45.5	238.3	5,900	175
180							11.7	168.2	14,400	20.6	190.9	12,900	30.0	212.1	10,300	37.1	225.0	7,800	42.9	233.1	5,300	180
185										14.5	174.7	12,000	26.2	202.5	9,600	34.0	217.9	7,100	40.2	227.3	4,700	185
190													21.7	191.0	8,900	30.6	209.8	6,500	37.3	221.0	4,200	190
195													16.0	175.9	8,200	26.8	200.5	6,000				195
200													6.3	149.4	7,500	22.4	189.3	5,400				200
205																17.0	175.0	4,900				205
210																8.5	152.0	4,300				210

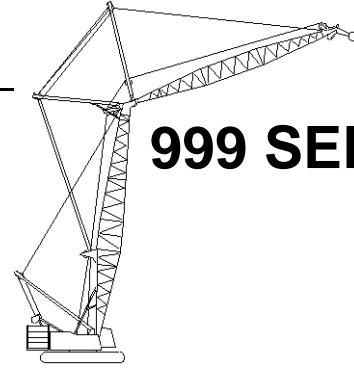


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



130 Ft. Boom, 170 Ft. Jib

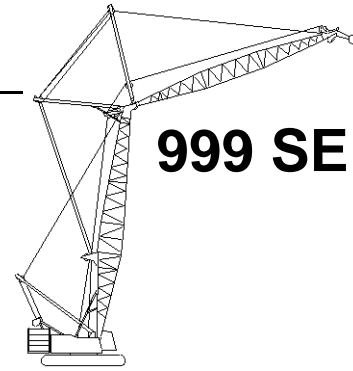
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.7	302.4	56,900*																55
60	74.0	301.0	56,100*																60
65	72.2	299.5	55,200*	73.8	300.6	64,800*													65
70	70.4	297.7	54,000*	72.0	299.0	64,600*													70
75	68.6	295.8	53,100*	70.2	297.2	63,800													75
80	66.8	293.7	52,300*	68.4	295.3	58,300	70.9	297.1	54,300										80
85	64.9	291.4	51,400*	66.6	293.2	53,500	69.1	295.2	49,800										85
90	63.0	288.9	49,000*	64.7	290.9	49,300	67.3	293.2	45,800										90
95	61.1	286.2	46,200*	62.9	288.4	45,600	65.4	291.0	42,300	67.9	292.8	39,100							95
100	59.2	283.3	43,500*	60.9	285.7	42,300	63.5	288.5	39,200	66.0	290.6	36,200							100
105	57.2	280.2	41,000*	59.0	282.7	39,300	61.6	285.9	36,400	64.2	288.3	33,500							105
110	55.1	276.8	38,500	57.0	279.5	36,700	59.7	283.0	33,900	62.3	285.7	31,200							110
115	53.1	273.1	36,000	54.9	276.1	34,300	57.7	279.9	31,600	60.4	282.9	29,000							115
120	50.9	269.1	33,800	52.9	272.4	32,100	55.7	276.6	29,600	58.4	279.9	27,100	62.7	283.6	23,000				120
125	48.7	264.8	31,700	50.7	268.4	30,100	53.6	273.0	27,700	56.4	276.6	25,300	60.8	280.8	21,400				125
130	46.4	260.2	29,800	48.5	264.1	28,200	51.5	269.1	25,900	54.3	273.1	23,700	58.8	277.9	19,900				130
135	44.0	255.1	28,000	46.2	259.4	26,500	49.3	264.9	24,300	52.2	269.3	22,100	56.8	274.7	18,500				135
140	41.5	249.6	26,400	43.8	254.3	25,000	47.0	260.3	22,900	50.0	265.2	20,800	54.7	271.2	17,300				140
145	38.8	243.6	24,900	41.2	248.8	23,500	44.6	255.4	21,500	47.8	260.8	19,500	52.6	267.5	16,100	57.1	271.6	12,800	145
150	36.0	237.0	23,500	38.6	242.7	22,200	42.1	250.0	20,200	45.4	256.0	18,300	50.5	263.5	15,000	55.1	268.2	11,900	150
155	33.0	229.6	22,200	35.8	236.0	20,900	39.5	244.1	19,000	43.0	250.8	17,100	48.2	259.1	14,000	53.0	264.5	11,000	155
160	29.8	221.3	20,900	32.7	228.5	19,700	36.8	237.7	17,900	40.4	245.1	16,100	45.9	254.4	13,100	50.8	260.5	10,100	160
165	26.1	211.7	19,800	29.4	220.1	18,600	33.8	230.5	16,900	37.7	238.8	15,100	43.5	249.2	12,200	48.6	256.2	9,400	165
170	21.9	200.2	18,700	25.7	210.4	17,600	30.6	222.4	15,900	34.9	231.9	14,200	41.0	243.7	11,400	46.3	251.5	8,600	170
175	16.7	185.6	17,600	21.5	198.7	16,600	27.1	213.2	14,900	31.8	224.2	13,300	38.3	237.5	10,600	43.9	246.5	7,900	175
180	8.8	162.6	16,600	16.1	183.6	15,600	23.1	202.3	14,000	28.4	215.4	12,500	35.5	230.8	9,800	41.4	240.9	7,300	180
185				7.6	158.8	14,600	18.2	188.7	13,200	24.5	205.2	11,700	32.4	223.2	9,100	38.7	234.9	6,600	185
190							11.4	169.1	12,300	20.0	192.7	10,900	29.1	214.7	8,500	35.9	228.2	6,000	190
195										14.1	175.9	10,200	25.4	204.8	7,800	32.9	220.8	5,500	195
200													21.0	192.8	7,200	29.6	212.4	4,900	200
205													15.5	177.3	6,600	26.0	202.8	4,400	205
210													6.1	149.9	6,000				210



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 180 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.9	311.4	51,300*																60
65	73.2	310.0	50,600*																65
70	71.5	308.3	49,500*	73.1	309.5	58,200*													70
75	69.9	306.5	49,100*	71.4	307.8	58,000*													75
80	68.1	304.6	48,000*	69.7	306.0	57,700*													80
85	66.4	302.4	47,600*	68.0	304.1	52,900	70.3	305.9	49,100										85
90	64.7	300.1	46,600*	66.2	301.9	48,700	68.6	304.0	45,200										90
95	62.9	297.6	45,000*	64.5	299.6	45,000	66.9	301.9	41,700										95
100	61.1	294.9	42,600*	62.7	297.0	41,700	65.1	299.6	38,600	67.5	301.5	35,500							100
105	59.2	292.0	40,300*	60.9	294.3	38,800	63.3	297.2	35,800	65.7	299.3	32,800							105
110	57.3	288.8	38,000	59.0	291.4	36,100	61.5	294.5	33,300	63.9	296.9	30,500							110
115	55.4	285.5	35,500	57.2	288.2	33,700	59.7	291.7	31,000	62.2	294.3	28,300							115
120	53.5	281.8	33,200	55.2	284.8	31,500	57.8	288.6	29,000	60.3	291.6	26,400							120
125	51.4	277.9	31,200	53.3	281.2	29,500	55.9	285.3	27,100	58.5	288.6	24,600	62.5	292.2	20,600				125
130	49.4	273.7	29,200	51.2	277.2	27,700	54.0	281.7	25,300	56.6	285.3	23,000	60.7	289.5	19,200				130
135	47.2	269.2	27,500	49.2	273.0	26,000	52.0	277.9	23,700	54.6	281.8	21,500	58.9	286.5	17,800				135
140	45.0	264.3	25,900	47.0	268.5	24,400	49.9	273.8	22,300	52.7	278.1	20,100	57.0	283.4	16,600				140
145	42.7	259.1	24,400	44.8	263.5	23,000	47.8	269.3	20,900	50.6	274.1	18,800	55.0	279.9	15,400				145
150	40.3	253.3	23,000	42.5	258.2	21,600	45.6	264.5	19,600	48.5	269.8	17,600	53.1	276.3	14,300	57.3	280.3	11,100	150
155	37.7	247.0	21,700	40.0	252.4	20,400	43.3	259.4	18,400	46.3	265.1	16,500	51.0	272.3	13,300	55.3	276.9	10,200	155
160	35.0	240.1	20,400	37.4	246.1	19,200	40.9	253.8	17,300	44.1	260.1	15,500	49.0	268.0	12,400	53.4	273.2	9,400	160
165	32.1	232.5	19,300	34.7	239.1	18,100	38.4	247.6	16,300	41.7	254.6	14,500	46.8	263.5	11,500	51.4	269.3	8,600	165
170	28.9	223.8	18,200	31.8	231.4	17,000	35.7	240.9	15,300	39.2	248.7	13,600	44.6	258.5	10,700	49.3	265.1	7,900	170
175	25.4	213.9	17,200	28.6	222.6	16,100	32.8	233.5	14,400	36.6	242.2	12,700	42.2	253.1	9,900	47.1	260.6	7,200	175
180	21.3	202.1	16,200	25.0	212.6	15,100	29.7	225.1	13,500	33.8	235.0	11,900	39.8	247.3	9,200	44.9	255.7	6,500	180
185	16.2	187.0	15,300	20.8	200.5	14,200	26.3	215.5	12,700	30.8	227.0	11,100	37.2	240.9	8,500	42.6	250.4	5,900	185
190	8.5	163.3	14,300	15.6	184.9	13,400	22.4	204.3	11,900	27.5	217.9	10,400	34.4	233.9	7,800	40.1	244.6	5,300	190
195				7.3	159.4	12,500	17.6	190.2	11,100	23.8	207.3	9,700	31.5	226.0	7,200	37.6	238.3	4,800	195
200							11.0	170.1	10,400	19.4	194.4	9,000	28.2	217.2	6,600	34.9	231.4	4,300	200
205										13.7	177.1	8,300	24.6	206.9	6,000				205
210													20.4	194.6	5,500				210
215													15.0	178.6	4,900				215
220													5.9	150.3	4,300				220

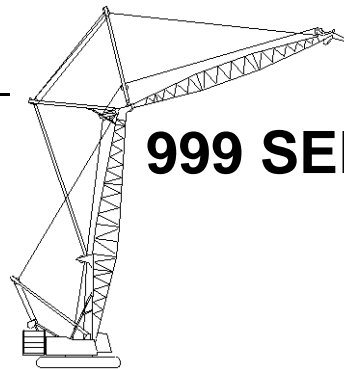


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



130 Ft. Boom, 190 Ft. Jib

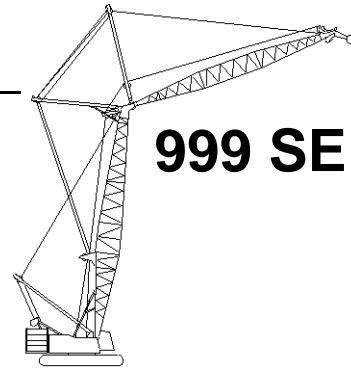
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.7	321.8	46,800*																60
65	74.1	320.4	46,500*																65
70	72.5	318.9	45,600*	74.0	319.9	52,800*													70
75	71.0	317.2	45,000*	72.4	318.4	52,600*													75
80	69.3	315.3	44,700*	70.8	316.7	52,400*													80
85	67.7	313.3	43,800*	69.2	314.8	52,100*													85
90	66.1	311.2	43,200*	67.6	312.8	48,400	69.8	314.7	44,900										90
95	64.4	308.8	42,600*	65.9	310.6	44,700	68.1	312.8	41,400										95
100	62.7	306.3	41,200*	64.3	308.3	41,400	66.5	310.6	38,300										100
105	61.0	303.6	39,100*	62.6	305.7	38,500	64.8	308.3	35,500	67.1	310.3	32,500							105
110	59.3	300.6	37,100*	60.8	303.0	35,800	63.2	305.9	33,000	65.4	308.0	30,200							110
115	57.5	297.5	35,200*	59.1	300.0	33,400	61.5	303.2	30,700	63.7	305.6	28,000							115
120	55.7	294.2	32,900	57.3	296.9	31,200	59.7	300.3	28,700	62.0	303.0	26,100							120
125	53.8	290.6	30,900	55.5	293.5	29,200	57.9	297.3	26,800	60.3	300.2	24,300							125
130	51.9	286.7	29,000	53.6	289.9	27,400	56.1	294.0	25,000	58.6	297.2	22,700	62.4	300.9	18,800				130
135	50.0	282.6	27,200	51.7	286.1	25,700	54.3	290.4	23,500	56.8	294.0	21,200	60.7	298.2	17,500				135
140	48.0	278.2	25,600	49.8	281.9	24,200	52.4	286.7	22,000	54.9	290.6	19,800	58.9	295.2	16,300				140
145	45.9	273.5	24,100	47.8	277.5	22,700	50.5	282.6	20,600	53.1	286.9	18,500	57.1	292.0	15,100				145
150	43.7	268.4	22,700	45.7	272.7	21,400	48.5	278.3	19,300	51.1	282.9	17,300	55.3	288.6	14,000				150
155	41.5	262.9	21,400	43.5	267.6	20,100	46.4	273.6	18,200	49.2	278.7	16,200	53.5	285.0	13,000	57.4	288.9	9,900	155
160	39.1	256.9	20,200	41.3	262.0	18,900	44.3	268.6	17,100	47.1	274.2	15,200	51.5	281.1	12,100	55.6	285.6	9,100	160
165	36.6	250.4	19,000	38.9	256.0	17,800	42.1	263.2	16,000	45.0	269.3	14,200	49.6	276.9	11,200	53.7	282.0	8,300	165
170	34.0	243.2	18,000	36.4	249.4	16,800	39.7	257.4	15,000	42.8	264.0	13,300	47.6	272.5	10,400	51.8	278.1	7,600	170
175	31.2	235.3	17,000	33.8	242.2	15,800	37.3	251.0	14,100	40.5	258.3	12,400	45.5	267.7	9,600	49.9	274.0	6,900	175
180	28.1	226.3	16,000	30.9	234.2	14,900	34.7	244.0	13,300	38.2	252.1	11,600	43.3	262.5	8,900	47.9	269.6	6,300	180
185	24.7	216.1	15,100	27.8	225.1	14,000	31.9	236.3	12,400	35.6	245.4	10,800	41.0	256.9	8,200	45.8	264.8	5,600	185
190	20.7	203.9	14,200	24.3	214.7	13,200	28.9	227.7	11,700	32.9	237.9	10,100	38.7	250.8	7,600	43.6	259.7	5,100	190
195	15.8	188.3	13,400	20.3	202.3	12,400	25.6	217.8	10,900	30.0	229.6	9,400	36.2	244.2	6,900	41.4	254.2	4,500	195
200	8.3	164.0	12,500	15.2	186.3	11,600	21.8	206.2	10,200	26.8	220.2	8,800	33.5	236.9	6,400	39.0	248.2	4,000	200
205				7.1	160.0	10,800	17.2	191.7	9,500	23.1	209.3	8,100	30.6	228.8	5,800				205
210							10.7	171.0	8,800	18.9	196.0	7,500	27.5	219.6	5,200				210
215										13.3	178.2	6,900	23.9	209.1	4,700				215
220													19.8	196.4	4,200				220



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 200 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	74.9	330.8	42,300*																65
70	73.4	329.3	42,100*																70
75	71.9	327.7	41,500*	73.3	328.9	47,800*													75
80	70.4	326.0	40,900*	71.8	327.3	47,500*													80
85	68.9	324.1	40,400*	70.3	325.5	47,200*													85
90	67.3	322.1	40,000*	68.8	323.6	46,900*	70.8	325.4	44,200										90
95	65.8	319.9	39,300*	67.2	321.6	44,100	69.3	323.5	40,800										95
100	64.2	317.5	38,800*	65.6	319.3	40,800	67.8	321.5	37,600										100
105	62.6	314.9	37,800*	64.0	316.9	37,900	66.2	319.4	34,900										105
110	61.0	312.2	36,000*	62.4	314.4	35,300	64.6	317.0	32,400	66.7	319.0	29,500							110
115	59.3	309.3	34,200*	60.8	311.6	32,900	63.0	314.5	30,100	65.2	316.7	27,400							115
120	57.6	306.2	32,400	59.1	308.7	30,700	61.4	311.9	28,000	63.6	314.3	25,400							120
125	55.9	302.9	30,300	57.5	305.6	28,700	59.7	309.0	26,200	61.9	311.7	23,700							125
130	54.1	299.3	28,400	55.7	302.2	26,800	58.1	305.9	24,400	60.3	308.9	22,100							130
135	52.3	295.5	26,700	54.0	298.7	25,200	56.3	302.7	22,900	58.6	305.9	20,600	62.3	309.6	16,800				135
140	50.5	291.5	25,100	52.2	294.9	23,600	54.6	299.2	21,400	56.9	302.7	19,200	60.6	306.8	15,500				140
145	48.6	287.2	23,600	50.3	290.8	22,200	52.8	295.5	20,000	55.2	299.3	17,900	59.0	303.9	14,400				145
150	46.7	282.6	22,200	48.4	286.4	20,800	51.0	291.5	18,800	53.4	295.6	16,700	57.3	300.7	13,300				150
155	44.6	277.6	20,900	46.5	281.8	19,600	49.1	287.2	17,600	51.6	291.7	15,600	55.6	297.3	12,400				155
160	42.5	272.3	19,700	44.4	276.8	18,400	47.2	282.7	16,500	49.8	287.6	14,600	53.8	293.8	11,400	57.5	297.6	8,300	160
165	40.4	266.6	18,500	42.3	271.4	17,300	45.2	277.8	15,400	47.8	283.2	13,600	52.0	289.9	10,600	55.8	294.3	7,600	165
170	38.1	260.3	17,500	40.2	265.7	16,300	43.1	272.6	14,500	45.9	278.4	12,700	50.1	285.8	9,700	54.1	290.7	6,900	170
175	35.7	253.6	16,500	37.9	259.4	15,300	40.9	267.0	13,600	43.8	273.3	11,800	48.2	281.5	9,000	52.3	286.9	6,200	175
180	33.1	246.2	15,500	35.4	252.6	14,400	38.7	260.9	12,700	41.7	267.8	11,000	46.3	276.8	8,300	50.4	282.9	5,500	180
185	30.4	238.0	14,600	32.9	245.1	13,500	36.3	254.3	11,900	39.5	261.9	10,300	44.2	271.8	7,600	48.5	278.5	4,900	185
190	27.4	228.8	13,700	30.1	236.8	12,700	33.8	247.1	11,100	37.1	255.5	9,500	42.1	266.4	6,900	46.6	273.9	4,400	190
195	24.0	218.2	12,900	27.1	227.5	11,900	31.1	239.1	10,400	34.7	248.5	8,800	39.9	260.5	6,300				195
200	20.1	205.6	12,100	23.7	216.8	11,200	28.2	230.2	9,700	32.0	240.8	8,200	37.6	254.2	5,700				200
205	15.3	189.7	11,400	19.7	204.0	10,400	24.9	220.0	9,000	29.2	232.2	7,600	35.2	247.4	5,200				205
210	8.0	164.7	10,600	14.8	187.5	9,700	21.2	208.1	8,400	26.1	222.5	7,000	32.6	239.8	4,600				210
215				6.9	160.6	9,000	16.7	193.2	7,700	22.5	211.3	6,400	29.8	231.4	4,100				215
220							10.4	171.9	7,100	18.4	197.6	5,800							220
225										12.9	179.3	5,300							225

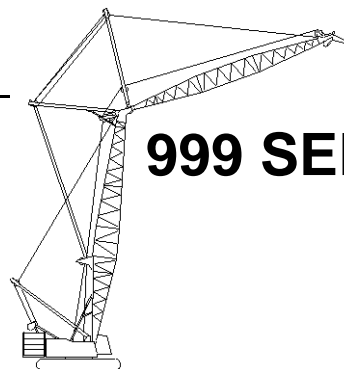


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



130 Ft. Boom, 210 Ft. Jib

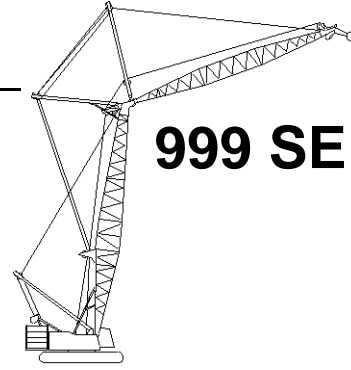
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.7	341.1	38,700*																65
70	74.3	339.8	38,300*																70
75	72.8	338.3	38,000*																75
80	71.4	336.6	37,700*	72.7	337.8	43,200*													80
85	69.9	334.8	37,300*	71.3	336.1	42,900*													85
90	68.5	332.9	36,800*	69.8	334.3	42,600*													90
95	67.0	330.8	36,300*	68.3	332.4	42,300*	70.3	334.2	40,200										95
100	65.5	328.6	35,900*	66.9	330.3	40,400	68.9	332.3	37,100										100
105	64.0	326.2	35,400*	65.4	328.0	37,400	67.4	330.3	34,400										105
110	62.5	323.6	34,800*	63.9	325.6	34,800	65.9	328.1	31,900	67.9	329.9	29,000							110
115	60.9	320.9	33,200*	62.3	323.1	32,400	64.4	325.7	29,600	66.4	327.7	26,800							115
120	59.3	318.0	31,700*	60.8	320.3	30,200	62.9	323.2	27,500	64.9	325.4	24,900							120
125	57.7	314.9	29,900	59.2	317.4	28,200	61.3	320.5	25,700	63.4	323.0	23,100							125
130	56.1	311.6	28,000	57.6	314.2	26,400	59.7	317.7	23,900	61.9	320.3	21,500							130
135	54.4	308.1	26,200	55.9	310.9	24,700	58.1	314.6	22,400	60.3	317.5	20,000							135
140	52.7	304.3	24,600	54.3	307.4	23,100	56.5	311.4	20,900	58.7	314.5	18,700	62.2	318.2	15,000				140
145	51.0	300.3	23,100	52.6	303.6	21,700	54.9	307.9	19,500	57.1	311.4	17,400	60.6	315.5	13,900				145
150	49.2	296.1	21,700	50.8	299.6	20,300	53.2	304.2	18,300	55.4	308.0	16,200	59.0	312.5	12,800				150
155	47.4	291.6	20,400	49.0	295.4	19,100	51.4	300.3	17,100	53.8	304.4	15,100	57.4	309.4	11,800				155
160	45.5	286.8	19,200	47.2	290.8	17,900	49.7	296.1	16,000	52.0	300.6	14,100	55.8	306.1	10,900				160
165	43.5	281.6	18,100	45.3	286.0	16,800	47.8	291.7	15,000	50.3	296.5	13,100	54.1	302.5	10,000	57.7	306.3	7,000	165
170	41.5	276.1	17,000	43.3	280.8	15,800	46.0	287.0	14,000	48.5	292.1	12,200	52.4	298.7	9,200	56.0	303.0	6,300	170
175	39.3	270.1	16,000	41.3	275.2	14,800	44.0	281.9	13,100	46.6	287.5	11,300	50.6	294.7	8,400	54.4	299.5	5,600	175
180	37.1	263.7	15,100	39.1	269.2	13,900	42.0	276.5	12,200	44.7	282.5	10,500	48.8	290.4	7,700	52.7	295.7	5,000	180
185	34.8	256.7	14,200	36.9	262.8	13,100	39.9	270.6	11,400	42.7	277.2	9,800	47.0	285.8	7,000	50.9	291.7	4,400	185
190	32.3	249.1	13,300	34.6	255.7	12,200	37.7	264.3	10,600	40.6	271.6	9,000	45.1	280.9	6,400				190
195	29.6	240.6	12,500	32.0	248.0	11,500	35.4	257.5	9,900	38.5	265.4	8,400	43.1	275.7	5,800				195
200	26.7	231.1	11,700	29.3	239.5	10,700	32.9	250.0	9,200	36.2	258.8	7,700	41.1	270.1	5,200				200
205	23.4	220.3	11,000	26.4	229.9	10,000	30.3	241.8	8,600	33.8	251.6	7,100	38.9	264.1	4,700				205
210	19.6	207.4	10,300	23.1	218.8	9,400	27.5	232.6	7,900	31.2	243.6	6,500	36.7	257.6	4,100				210
215	15.0	191.0	9,600	19.2	205.7	8,700	24.3	222.2	7,300	28.5	234.8	5,900							215
220	7.8	165.4	8,900	14.4	188.8	8,100	20.7	209.9	6,700	25.4	224.8	5,400							220
225				6.8	161.2	7,400	16.3	194.6	6,200	22.0	213.2	4,900							225
230							10.2	172.7	5,600	17.9	199.2	4,300							230



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.0	350.2	35,000*													70
75	73.6	348.7	34,700*													75
80	72.3	347.2	34,300*	73.5	348.3	39,300*										80
85	70.9	345.5	34,000*	72.1	346.7	39,000*										85
90	69.5	343.6	33,700*	70.8	345.0	38,700*										90
95	68.1	341.7	33,400*	69.4	343.1	38,400*										95
100	66.7	339.5	33,000*	68.0	341.1	38,100*	69.9	343.0	36,500							100
105	65.3	337.3	32,600*	66.6	339.0	36,900	68.5	341.1	33,700							105
110	63.8	334.9	32,200*	65.1	336.7	34,200	67.1	339.0	31,200							110
115	62.4	332.3	31,900*	63.7	334.3	31,800	65.6	336.8	29,000	67.5	338.6	26,200				115
120	60.9	329.5	30,600*	62.2	331.7	29,600	64.2	334.4	26,900	66.1	336.4	24,200				120
125	59.4	326.6	29,300*	60.7	329.0	27,600	62.7	331.9	25,100	64.7	334.1	22,500				125
130	57.8	323.5	27,500	59.2	326.0	25,800	61.3	329.2	23,300	63.2	331.6	20,900				130
135	56.3	320.3	25,700	57.7	322.9	24,100	59.8	326.3	21,700	61.8	329.0	19,400				135
140	54.7	316.8	24,100	56.1	319.6	22,600	58.2	323.3	20,300	60.3	326.2	18,000				140
145	53.1	313.1	22,600	54.5	316.1	21,100	56.7	320.0	18,900	58.8	323.2	16,700	62.1	326.9	13,100	145
150	51.4	309.2	21,200	52.9	312.4	19,800	55.1	316.6	17,700	57.2	320.0	15,600	60.6	324.1	12,100	150
155	49.7	305.0	19,900	51.3	308.5	18,500	53.5	313.0	16,500	55.6	316.7	14,500	59.1	321.2	11,100	155
160	48.0	300.6	18,700	49.6	304.3	17,400	51.8	309.1	15,400	54.0	313.1	13,400	57.5	318.1	10,200	160
165	46.2	295.9	17,600	47.8	299.8	16,300	50.2	305.0	14,400	52.4	309.3	12,500	56.0	314.7	9,300	165
170	44.4	290.9	16,500	46.0	295.1	15,300	48.4	300.7	13,400	50.7	305.3	11,600	54.4	311.2	8,500	170
175	42.4	285.5	15,500	44.2	290.1	14,300	46.7	296.0	12,500	49.0	301.1	10,700	52.8	307.5	7,800	175
180	40.5	279.8	14,500	42.3	284.7	13,400	44.8	291.1	11,600	47.3	296.5	9,900	51.1	303.5	7,100	180
185	38.4	273.6	13,700	40.3	278.9	12,500	42.9	285.8	10,800	45.5	291.7	9,200	49.4	299.3	6,400	185
190	36.2	267.0	12,800	38.2	272.7	11,700	41.0	280.2	10,100	43.6	286.6	8,400	47.6	294.8	5,700	190
195	34.0	259.8	12,000	36.0	266.0	10,900	38.9	274.2	9,300	41.7	281.1	7,800	45.8	290.1	5,100	195
200	31.5	251.9	11,200	33.7	258.8	10,200	36.8	267.7	8,700	39.7	275.2	7,100	44.0	285.0	4,600	200
205	28.9	243.2	10,500	31.3	250.8	9,500	34.6	260.6	8,000	37.5	268.8	6,500	42.1	279.6	4,000	205
210	26.1	233.5	9,800	28.6	242.0	8,800	32.2	252.9	7,400	35.3	262.0	5,900				210
215	22.9	222.3	9,100	25.8	232.2	8,200	29.6	244.5	6,800	33.0	254.5	5,400				215
220	19.2	209.0	8,500	22.5	220.8	7,600	26.8	235.0	6,200	30.5	246.3	4,800				220
225	14.6	192.2	7,900	18.8	207.3	7,000	23.7	224.3	5,600	27.8	237.2	4,300				225
230	7.6	166.0	7,200	14.1	190.0	6,400	20.2	211.6	5,100							230
235				6.6	161.7	5,800	15.9	196.0	4,600							235
240							9.9	173.6	4,100							240

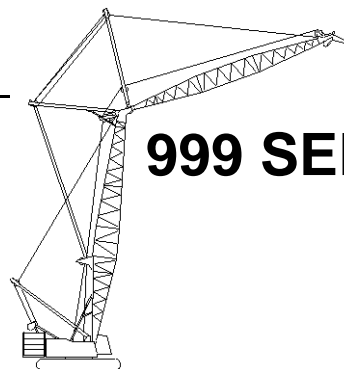


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



130 Ft. Boom, 230 Ft. Jib

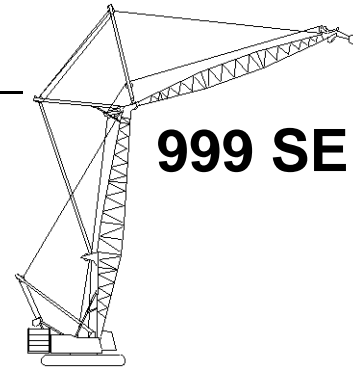
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.7	360.5	32,700*													70
75	74.4	359.1	32,400*													75
80	73.1	357.7	32,100*													80
85	71.8	356.0	31,800*	72.9	357.2	36,900*										85
90	70.4	354.3	31,400*	71.6	355.6	36,600*										90
95	69.1	352.4	31,000*	70.3	353.8	36,400*										95
100	67.8	350.4	30,600*	69.0	351.9	36,100*	70.8	353.7	35,600*							100
105	66.4	348.3	30,300*	67.6	349.9	35,800*	69.5	351.8	33,300							105
110	65.0	346.0	29,900*	66.3	347.7	33,800	68.1	349.9	30,800							110
115	63.7	343.5	29,200*	64.9	345.4	31,400	66.8	347.7	28,500							115
120	62.3	341.0	28,000*	63.5	343.0	29,200	65.4	345.5	26,500	67.2	347.4	23,800				120
125	60.8	338.2	26,900*	62.1	340.4	27,200	64.0	343.1	24,600	65.9	345.2	22,100				125
130	59.4	335.3	25,700*	60.7	337.6	25,400	62.6	340.5	22,900	64.5	342.8	20,400				130
135	57.9	332.2	24,600*	59.3	334.7	23,700	61.2	337.8	21,300	63.1	340.3	19,000				135
140	56.4	328.9	23,500*	57.8	331.6	22,200	59.8	335.0	19,900	61.7	337.7	17,600				140
145	54.9	325.5	22,200	56.3	328.3	20,700	58.3	331.9	18,500	60.3	334.9	16,300				145
150	53.4	321.8	20,800	54.8	324.8	19,400	56.8	328.7	17,300	58.8	331.9	15,100	62.0	335.6	11,700	150
155	51.8	318.0	19,500	53.2	321.2	18,100	55.3	325.3	16,100	57.3	328.7	14,000	60.6	332.8	10,700	155
160	50.2	313.9	18,300	51.7	317.3	17,000	53.8	321.7	15,000	55.8	325.4	13,000	59.1	329.9	9,800	160
165	48.6	309.5	17,200	50.0	313.2	15,900	52.2	317.9	14,000	54.3	321.9	12,100	57.6	326.7	8,900	165
170	46.9	304.9	16,100	48.4	308.8	14,900	50.6	313.9	13,000	52.8	318.1	11,200	56.2	323.4	8,100	170
175	45.1	300.1	15,100	46.7	304.2	13,900	49.0	309.6	12,100	51.2	314.2	10,300	54.6	319.9	7,400	175
180	43.3	294.9	14,200	45.0	299.3	13,000	47.3	305.1	11,200	49.5	310.0	9,500	53.1	316.3	6,600	180
185	41.5	289.3	13,300	43.1	294.0	12,100	45.6	300.3	10,400	47.9	305.5	8,800	51.5	312.3	6,000	185
190	39.5	283.4	12,400	41.3	288.5	11,300	43.8	295.1	9,700	46.2	300.8	8,000	49.9	308.2	5,300	190
195	37.5	277.0	11,600	39.3	282.5	10,600	41.9	289.7	9,000	44.4	295.8	7,400	48.2	303.8	4,700	195
200	35.4	270.2	10,900	37.3	276.1	9,800	40.0	283.9	8,300	42.6	290.5	6,700	46.5	299.2	4,200	200
205	33.2	262.8	10,200	35.2	269.2	9,100	38.0	277.6	7,600	40.7	284.8	6,100				205
210	30.8	254.7	9,500	33.0	261.7	8,500	36.0	270.9	7,000	38.7	278.7	5,500				210
215	28.3	245.7	8,800	30.6	253.5	7,800	33.8	263.7	6,400	36.7	272.2	5,000				215
220	25.5	235.7	8,200	28.0	244.5	7,200	31.4	255.7	5,800	34.5	265.1	4,400				220
225	22.3	224.3	7,600	25.2	234.4	6,700	28.9	247.0	5,300							225
230	18.7	210.7	7,000	22.0	222.8	6,100	26.2	237.3	4,800							230
235	14.3	193.5	6,400	18.4	208.9	5,600	23.2	226.3	4,300							235
240	7.5	166.6	5,800	13.8	191.2	5,000										240
245				6.5	162.3	4,500										245



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

130 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75	75.0	369.5	29,600*										75
80	73.8	368.1	29,300*										80
85	72.5	366.6	29,100*	73.7	367.6	33,600*							85
90	71.3	364.9	28,800*	72.4	366.1	33,300*							90
95	70.0	363.1	28,500*	71.2	364.4	33,100*							95
100	68.7	361.2	28,200*	69.9	362.6	32,800*							100
105	67.5	359.2	27,900*	68.6	360.7	32,500*	70.3	362.5	32,100*				105
110	66.2	357.0	27,500*	67.3	358.6	32,300*	69.1	360.6	30,200				110
115	64.8	354.7	27,200*	66.0	356.5	30,800	67.8	358.6	27,900				115
120	63.5	352.2	26,900*	64.7	354.1	28,600	66.5	356.5	25,900				120
125	62.2	349.6	25,800*	63.4	351.7	26,700	65.2	354.2	24,000	66.9	356.1	21,400	125
130	60.8	346.9	24,800*	62.0	349.0	24,800	63.9	351.8	22,300	65.6	353.9	19,800	130
135	59.4	344.0	23,800*	60.7	346.3	23,200	62.5	349.2	20,700	64.3	351.5	18,300	135
140	58.0	340.9	22,800*	59.3	343.4	21,600	61.2	346.5	19,300	63.0	349.0	17,000	140
145	56.6	337.6	21,700	57.9	340.3	20,200	59.8	343.6	17,900	61.6	346.3	15,700	145
150	55.1	334.2	20,300	56.5	337.0	18,800	58.4	340.6	16,700	60.3	343.5	14,500	150
155	53.7	330.6	19,000	55.0	333.6	17,600	57.0	337.4	15,500	58.9	340.5	13,400	155
160	52.2	326.8	17,800	53.5	329.9	16,400	55.5	334.0	14,400	57.5	337.4	12,400	160
165	50.6	322.7	16,600	52.0	326.1	15,300	54.1	330.5	13,400	56.0	334.1	11,400	165
170	49.1	318.5	15,600	50.5	322.0	14,300	52.6	326.7	12,400	54.6	330.6	10,500	170
175	47.5	314.0	14,600	48.9	317.7	13,400	51.0	322.7	11,500	53.1	326.9	9,700	175
180	45.8	309.2	13,600	47.3	313.2	12,500	49.5	318.5	10,700	51.6	323.0	8,900	180
185	44.1	304.1	12,800	45.7	308.4	11,600	47.9	314.1	9,900	50.0	318.8	8,100	185
190	42.4	298.7	11,900	43.9	303.3	10,800	46.2	309.4	9,100	48.4	314.5	7,400	190
195	40.5	293.0	11,100	42.2	297.9	10,000	44.6	304.4	8,400	46.8	309.9	6,800	195
200	38.7	286.9	10,400	40.4	292.1	9,300	42.8	299.1	7,700	45.1	305.0	6,100	200
205	36.7	280.4	9,600	38.5	286.0	8,600	41.0	293.5	7,100	43.4	299.8	5,500	205
210	34.6	273.3	9,000	36.5	279.4	7,900	39.2	287.4	6,400	41.6	294.3	4,900	210
215	32.5	265.7	8,300	34.4	272.3	7,300	37.2	281.0	5,900	39.8	288.4	4,400	215
220	30.1	257.4	7,700	32.2	264.6	6,700	35.2	274.1	5,300				220
225	27.6	248.2	7,100	29.9	256.2	6,100	33.0	266.6	4,700				225
230	24.9	237.9	6,500	27.4	246.9	5,600	30.7	258.5	4,200				230
235	21.9	226.2	5,900	24.6	236.6	5,100							235
240	18.3	212.3	5,400	21.6	224.7	4,600							240
245	14.0	194.7	4,900	18.0	210.5	4,100							245
250	7.3	167.2	4,300										250

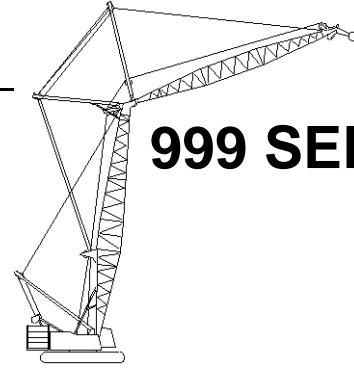


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



140 Ft. Boom, 70 Ft. Jib

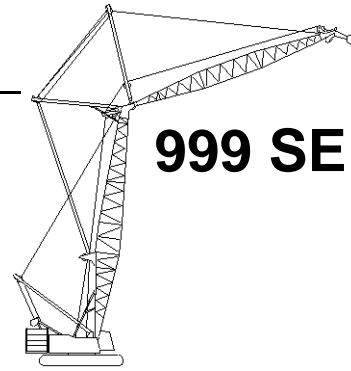
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	63.1	209.8	120,100*b																			45
50	58.3	206.9	112,000*b	62.9	209.4	119,300*b																50
55	53.3	203.3	104,900*	58.2	206.5	110,900b	65.0	209.8	106,500b													55
60	47.9	199.1	98,500*	53.2	202.9	99,100	60.4	207.1	95,200b													60
65	42.0	193.9	91,700	47.8	198.6	89,400	55.5	203.8	85,800b	62.5	207.1	82,300b										65
70	35.3	187.4	83,400	41.9	193.4	81,300	50.3	199.9	78,100	57.7	204.1	74,800b										70
75	27.2	178.8	76,300	35.1	186.9	74,400	44.7	195.1	71,500	52.7	200.5	68,500										75
80	15.3	165.2	66,700*	26.9	178.2	68,500	38.3	189.2	65,800	47.2	196.2	63,100	59.5	202.5	58,500b							80
85				14.9	164.4	63,200	30.9	181.7	60,900	41.3	190.8	58,300	54.6	199.1	54,100							85
90							21.3	171.0	56,500	34.4	184.1	54,200	49.3	195.1	50,300							90
95										26.0	175.2	50,500	43.6	190.1	46,900	56.2	196.4	43,200b				95
100										13.1	160.2	47,100	37.1	184.0	43,800	51.1	192.6	40,400				100
105													29.4	176.1	41,000	45.5	187.9	37,800				105
110													19.0	164.4	38,500	39.3	182.3	35,500	52.3	188.7	32,600	110
115																32.1	175.0	33,400	46.9	184.3	30,600	115
120																22.9	164.9	31,500	40.9	178.9	28,900	120
125																2.0	140.1	29,500	33.9	172.1	27,200	125
130																			25.4	162.9	25,700	130
135																			11.8	147.1	24,200	135



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 80 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	66.7	220.9	116,000*b																			45
50	62.7	218.5	108,400*b	66.6	220.5	115,500*b																50
55	58.5	215.5	101,600*	62.6	218.1	108,000*b	68.4	220.7	106,000b													55
60	54.2	212.1	95,600*	58.4	215.1	98,700	64.4	218.4	94,700b													60
65	49.6	208.0	89,500*	54.1	211.7	89,100	60.3	215.7	85,400	66.2	218.3	81,800b										65
70	44.6	203.2	81,200*	49.5	207.6	81,000	56.1	212.5	77,700	62.2	215.8	74,300b										70
75	39.1	197.5	74,400*	44.5	202.8	74,100	51.6	208.7	71,100	58.0	212.8	68,000										75
80	32.9	190.4	68,700*	39.0	197.0	68,300	46.8	204.3	65,400	53.6	209.3	62,600										80
85	25.3	181.0	64,400*	32.7	189.8	63,100	41.6	199.0	60,500	49.0	205.2	57,900	59.6	211.2	53,500							85
90	14.2	166.4	58,900*	25.1	180.4	58,600	35.7	192.5	56,200	44.0	200.2	53,800	55.3	207.8	49,700							90
95				13.8	165.5	54,600	28.8	184.3	52,400	38.4	194.3	50,100	50.8	204.0	46,300							95
100							19.8	172.7	48,900	32.1	187.0	46,900	45.9	199.4	43,300	56.7	205.1	39,800				100
105										24.2	177.3	43,900	40.6	193.9	40,600	52.2	201.4	37,300				105
110										12.2	161.2	41,200	34.6	187.2	38,100	47.5	197.0	35,000				110
115													27.4	178.5	35,900	42.3	191.9	32,900				115
120													17.7	165.9	33,800	36.6	185.6	31,000	48.7	193.3	28,300	120
125																29.9	177.7	29,300	43.6	188.4	26,700	125
130																21.3	166.8	27,700	38.0	182.4	25,200	130
135																			31.6	174.9	23,800	135
140																			23.7	165.0	22,600	140
145																			10.9	148.0	21,300	145

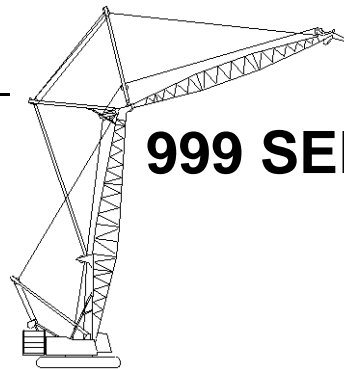


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



140 Ft. Boom, 90 Ft. Jib

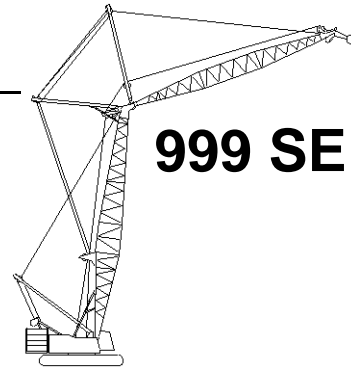
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	69.4	231.8	108,400*b																			45
50	65.9	229.6	104,600*b	69.3	231.4	112,000*b																50
55	62.4	227.1	98,900*	65.9	229.3	105,100*b	70.9	231.4	105,700b													55
60	58.7	224.2	93,100*	62.3	226.7	98,500	67.5	229.5	94,400b													60
65	54.9	220.8	86,600*	58.6	223.8	88,800	63.9	227.1	85,100													65
70	50.8	216.9	79,200*	54.8	220.4	80,800	60.3	224.4	77,400	65.5	227.0	74,000b										70
75	46.5	212.4	72,300*	50.7	216.5	73,900	56.5	221.2	70,800	61.9	224.4	67,700										75
80	41.9	207.1	66,400*	46.4	212.0	68,100	52.6	217.5	65,200	58.2	221.5	62,300										80
85	36.8	200.8	61,300*	41.8	206.6	63,000	48.4	213.3	60,300	54.4	218.0	57,600										85
90	30.9	193.1	57,100*	36.6	200.3	58,500	43.9	208.4	56,000	50.3	214.1	53,500	59.6	219.8	49,400							90
95	23.8	183.1	53,800*	30.8	192.6	54,600	39.1	202.5	52,200	46.0	209.5	49,900	55.8	216.6	46,000							95
100	13.4	167.5	51,300*	23.6	182.5	51,000	33.6	195.5	48,800	41.3	204.1	46,600	51.9	212.8	43,000							100
105				13.0	166.6	47,800	27.1	186.7	45,800	36.1	197.6	43,700	47.6	208.4	40,300	57.1	213.8	36,900				105
110							18.6	174.3	43,000	30.1	189.7	41,100	43.1	203.4	37,900	53.2	210.2	34,600				110
115										22.8	179.3	38,700	38.1	197.4	35,600	49.0	206.0	32,600				115
120										11.4	162.2	36,400	32.5	190.1	33,600	44.6	201.2	30,700				120
125													25.8	180.8	31,800	39.8	195.5	29,000	50.0	202.2	26,300	125
130													16.7	167.4	30,000	34.4	188.7	27,400	45.7	197.6	24,900	130
135																28.1	180.2	26,000	41.0	192.1	23,500	135
140																20.0	168.5	24,600	35.8	185.6	22,300	140
145																			29.7	177.6	21,100	145
150																			22.2	167.0	20,000	150
155																			10.2	148.8	18,900	155



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 100 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	71.6	242.4	99,800*b																			45
50	68.5	240.6	96,600*b	71.5	242.1	108,200*b																50
55	65.4	238.3	93,600*	68.4	240.2	101,800*b																55
60	62.1	235.8	90,400*	65.3	238.0	95,900*	69.8	240.3	93,900b													60
65	58.8	232.9	83,800*	62.1	235.4	88,400	66.7	238.2	84,600													65
70	55.4	229.6	76,800*	58.7	232.5	80,400	63.5	235.8	76,900													70
75	51.8	225.8	70,600*	55.3	229.1	73,500	60.3	233.0	70,300	65.0	235.7	67,100										75
80	48.0	221.4	64,900*	51.7	225.3	67,700	56.9	229.9	64,700	61.7	233.1	61,800										80
85	44.0	216.5	59,600*	47.9	221.0	62,600	53.4	226.3	59,900	58.4	230.1	57,100										85
90	39.6	210.7	55,100*	43.9	216.0	58,200	49.7	222.2	55,600	55.0	226.8	53,000	63.0	231.3	48,700							90
95	34.8	204.0	51,300*	39.5	210.3	54,200	45.7	217.6	51,800	51.3	222.9	49,400	59.7	228.5	45,400							95
100	29.3	195.8	48,100*	34.7	203.5	50,700	41.5	212.2	48,500	47.5	218.5	46,200	56.3	225.3	42,400							100
105	22.5	185.1	45,700*	29.1	195.2	47,600	36.9	205.9	45,400	43.5	213.5	43,300	52.7	221.6	39,700							105
110	12.6	168.6	44,500*	22.3	184.5	44,700	31.8	198.4	42,700	39.0	207.6	40,700	49.0	217.4	37,300	57.4	222.5	34,000				110
115				12.3	167.6	42,000	25.6	189.0	40,200	34.2	200.7	38,300	45.0	212.6	35,100	53.9	218.9	32,000				115
120							17.6	175.9	37,900	28.5	192.3	36,200	40.8	207.1	33,100	50.2	214.9	30,100				120
125										21.6	181.2	34,100	36.1	200.6	31,300	46.3	210.4	28,400				125
130										10.8	163.1	32,200	30.8	192.8	29,600	42.2	205.1	26,900	51.1	211.1	24,200	130
135													24.4	183.0	28,000	37.6	198.9	25,500	47.3	206.7	22,900	135
140													15.8	168.7	26,500	32.5	191.6	24,100	43.2	201.6	21,700	140
145																26.6	182.5	22,900	38.8	195.7	20,500	145
150																18.9	170.2	21,700	33.8	188.7	19,500	150
155																			28.1	180.1	18,500	155
160																			21.0	168.8	17,500	160
165																			9.7	149.6	16,600	165

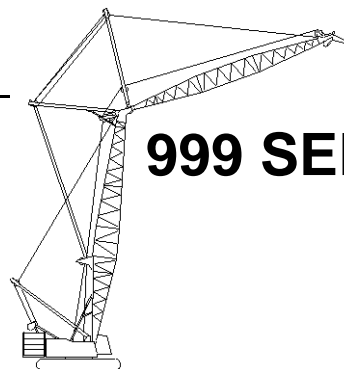


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



140 Ft. Boom, 110 Ft. Jib

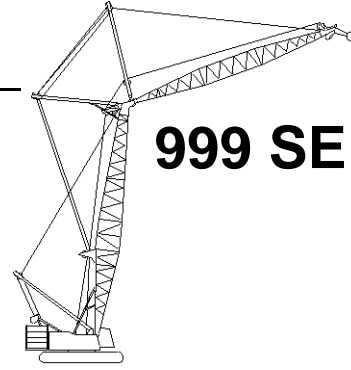
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.3	253.0	91,900*b																			45
50	70.5	251.3	89,300*	73.2	252.6	104,500*b																50
55	67.7	249.3	86,700*	70.5	250.9	98,700*																55
60	64.9	247.0	84,200*	67.7	248.9	93,200*																60
65	62.0	244.5	81,000*	64.8	246.6	88,100*	69.0	249.0	84,500													65
70	58.9	241.5	74,700*	61.9	244.1	80,300	66.1	246.9	76,700													70
75	55.8	238.3	68,700*	58.9	241.1	73,500	63.2	244.5	70,200	67.4	246.7	67,000										75
80	52.6	234.6	63,400*	55.7	237.8	67,600	60.3	241.7	64,600	64.5	244.4	61,600										80
85	49.2	230.4	58,600*	52.5	234.1	62,600	57.2	238.6	59,800	61.6	241.8	57,000										85
90	45.6	225.7	54,100*	49.1	230.0	58,100	54.0	235.1	55,500	58.6	238.8	52,900										90
95	41.8	220.3	50,100*	45.5	225.2	54,200	50.7	231.1	51,700	55.4	235.5	49,300	62.7	240.0	45,200							95
100	37.7	214.2	46,600*	41.7	219.9	50,700	47.2	226.6	48,400	52.2	231.7	46,100	59.7	237.1	42,300							100
105	33.1	207.0	43,700*	37.6	213.7	47,600	43.5	221.6	45,400	48.8	227.5	43,200	56.6	233.9	39,600							105
110	27.8	198.2	41,200*	33.0	206.4	44,700	39.5	215.8	42,700	45.2	222.7	40,600	53.4	230.4	37,200							110
115	21.4	187.0	39,400*	27.7	197.7	42,200	35.1	209.1	40,200	41.3	217.3	38,300	50.1	226.3	35,000	57.6	231.1	31,800				115
120	12.0	169.6	38,500*	21.2	186.3	39,800	30.2	201.1	38,000	37.1	211.0	36,100	46.5	221.8	33,000	54.5	227.7	30,000				120
125				11.7	168.6	37,600	24.4	191.1	35,900	32.5	203.6	34,100	42.8	216.6	31,200	51.2	223.8	28,300				125
130							16.8	177.3	34,000	27.1	194.7	32,300	38.8	210.6	29,500	47.7	219.4	26,800				130
135										20.5	183.0	30,600	34.3	203.7	28,000	44.0	214.4	25,300	52.0	219.9	22,700	135
140										10.3	163.9	29,000	29.3	195.4	26,500	40.1	208.8	24,000	48.5	215.7	21,500	140
145													23.2	185.0	25,200	35.8	202.2	22,800	44.9	210.9	20,400	145
150													15.0	170.0	23,900	30.9	194.4	21,600	41.1	205.4	19,400	150
155																25.3	184.8	20,600	36.9	199.0	18,400	155
160																18.0	171.7	19,500	32.2	191.6	17,500	160
165																			26.8	182.5	16,600	165
170																			20.0	170.5	15,700	170
175																			9.2	150.4	14,900	175



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 120 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.7	263.4	85,500*																			45
50	72.2	261.9	82,400*																			50
55	69.7	260.1	81,100*	72.2	261.5	95,200*																55
60	67.1	258.0	78,100*	69.6	259.7	89,000																60
65	64.5	255.7	76,100*	67.0	257.6	79,800	70.8	259.7	74,700													65
70	61.8	253.1	72,200*	64.4	255.3	72,200	68.2	257.8	67,600													70
75	59.0	250.2	66,900*	61.7	252.7	65,800	65.6	255.6	61,500													75
80	56.2	247.0	61,900*	59.0	249.8	60,300	63.0	253.1	56,300	66.8	255.4	52,300										80
85	53.2	243.3	57,300*	56.1	246.5	55,500	60.2	250.4	51,700	64.2	253.1	48,000										85
90	50.2	239.3	53,200*	53.2	242.9	51,300	57.4	247.3	47,800	61.5	250.4	44,300										90
95	46.9	234.8	49,300*	50.1	238.9	47,600	54.5	243.8	44,300	58.7	247.5	41,000										95
100	43.5	229.7	45,800*	46.9	234.3	44,300	51.5	239.9	41,200	55.8	244.2	38,100	62.5	248.6	33,000							100
105	39.9	224.0	42,700*	43.5	229.3	41,300	48.4	235.7	38,400	52.9	240.5	35,400	59.7	245.8	30,600							105
110	36.0	217.4	40,000*	39.8	223.5	38,600	45.0	230.8	35,800	49.8	236.4	33,100	56.9	242.6	28,500							110
115	31.6	209.8	37,600*	35.9	216.9	36,200	41.5	225.4	33,600	46.5	231.9	30,900	54.0	239.1	26,600							115
120	26.6	200.6	35,600	31.5	209.3	34,000	37.7	219.2	31,500	43.1	226.7	29,000	51.0	235.2	24,800	57.8	239.8	20,700				120
125	20.5	188.8	33,500	26.5	200.0	31,900	33.6	212.1	29,600	39.5	220.9	27,200	47.8	230.8	23,200	54.9	236.4	19,300				125
130	11.5	170.6	31,500	20.3	188.1	30,000	28.9	203.7	27,800	35.5	214.2	25,500	44.4	225.9	21,700	51.9	232.6	18,000				130
135				11.1	169.6	28,200	23.3	193.2	26,100	31.0	206.4	24,000	40.9	220.3	20,400	48.8	228.4	16,800				135
140							16.0	178.7	24,600	25.9	197.0	22,500	37.0	214.0	19,100	45.5	223.7	15,700	52.7	228.7	12,300	140
145										19.6	184.7	21,200	32.8	206.7	17,900	42.0	218.3	14,600	49.6	224.6	11,400	145
150										9.8	164.8	19,900	28.0	197.9	16,800	38.3	212.3	13,700	46.3	220.0	10,600	150
155													22.2	186.9	15,700	34.2	205.3	12,700	42.9	214.8	9,800	155
160													14.3	171.2	14,700	29.6	197.0	11,900	39.2	208.9	9,000	160
165																24.2	186.9	11,100	35.2	202.2	8,300	165
170																17.2	173.2	10,300	30.7	194.3	7,700	170
175																			25.6	184.7	7,000	175
180																			19.1	172.2	6,400	180
185																			8.8	151.1	5,700	185

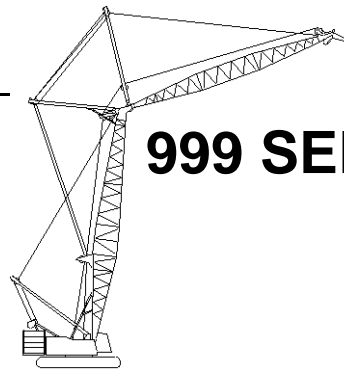


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



140 Ft. Boom, 130 Ft. Jib

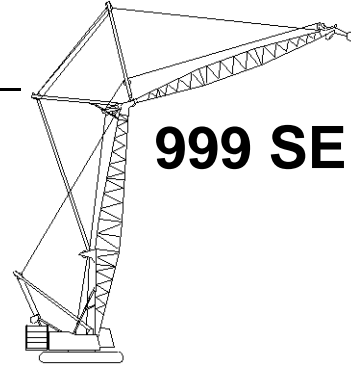
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.9	273.8	77,700*b																			45
50	73.6	272.4	76,900*																			50
55	71.3	270.7	74,300*	73.6	272.0	91,200*																55
60	69.0	268.9	72,500*	71.3	270.3	87,400*																60
65	66.6	266.8	70,800*	68.9	268.5	79,400																65
70	64.1	264.4	69,100*	66.5	266.4	71,800	70.0	268.5	67,100													70
75	61.7	261.8	64,900*	64.1	264.0	65,400	67.6	266.5	61,000													75
80	59.1	258.9	60,300*	61.6	261.4	59,800	65.2	264.3	55,800													80
85	56.5	255.7	56,100*	59.0	258.5	55,000	62.7	261.8	51,300	66.3	264.1	47,500										85
90	53.8	252.1	52,100*	56.4	255.2	50,900	60.2	259.0	47,300	63.8	261.7	43,800										90
95	51.0	248.2	48,600*	53.7	251.7	47,200	57.6	255.9	43,800	61.3	259.1	40,500										95
100	48.0	243.8	45,200*	50.9	247.7	43,900	55.0	252.5	40,700	58.8	256.1	37,600										100
105	45.0	239.0	42,100*	48.0	243.4	40,900	52.2	248.8	37,900	56.2	252.9	35,000	62.3	257.3	30,100							105
110	41.7	233.6	39,400*	44.9	238.5	38,200	49.3	244.6	35,400	53.4	249.3	32,600	59.8	254.5	27,900							110
115	38.3	227.5	36,900*	41.7	233.1	35,800	46.3	240.0	33,100	50.6	245.3	30,500	57.2	251.3	26,000							115
120	34.5	220.6	34,800*	38.2	227.0	33,600	43.2	234.8	31,100	47.7	240.9	28,500	54.5	247.8	24,300							120
125	30.3	212.5	32,900*	34.4	220.0	31,600	39.8	229.1	29,200	44.6	236.0	26,700	51.7	244.0	22,700	58.0	248.5	18,700				125
130	25.5	202.8	31,300	30.2	212.0	29,700	36.2	222.5	27,400	41.3	230.5	25,100	48.8	239.8	21,200	55.3	245.1	17,400				130
135	19.6	190.5	29,500	25.4	202.2	28,000	32.2	215.0	25,800	37.8	224.3	23,600	45.8	235.1	19,900	52.6	241.4	16,300				135
140	11.0	171.5	27,700	19.5	189.8	26,400	27.7	206.1	24,300	34.0	217.3	22,200	42.6	229.8	18,600	49.7	237.3	15,100				140
145				10.7	170.5	24,800	22.4	195.1	22,900	29.8	209.1	20,800	39.2	223.9	17,500	46.8	232.8	14,100				145
150							15.3	180.0	21,500	24.9	199.2	19,600	35.5	217.2	16,400	43.6	227.7	13,200	50.4	233.5	10,000	150
155										18.8	186.3	18,400	31.4	209.5	15,300	40.3	222.0	12,300	47.5	229.0	9,200	155
160										9.4	165.5	17,300	26.8	200.3	14,400	36.7	215.6	11,400	44.4	224.1	8,500	160
165													21.3	188.8	13,500	32.8	208.2	10,600	41.1	218.6	7,800	165
170													13.7	172.4	12,600	28.4	199.6	9,900	37.6	212.4	7,200	170
175																23.2	188.9	9,100	33.8	205.3	6,500	175
180																16.5	174.7	8,400	29.5	197.0	5,900	180
185																			24.5	186.9	5,400	185
190																			18.4	173.8	4,800	190
195																			8.4	151.8	4,200	195



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 140 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.8	282.8	69,900*																			50
55	72.7	281.3	68,500*																			55
60	70.5	279.6	67,100*	72.6	280.9	82,400*																60
65	68.3	277.6	66,300*	70.5	279.2	78,800																65
70	66.1	275.5	64,200*	68.3	277.2	71,200																70
75	63.8	273.1	62,800*	66.1	275.1	64,800	69.3	277.3	60,300													75
80	61.5	270.4	58,800*	63.8	272.7	59,200	67.1	275.3	55,100													80
85	59.2	267.5	54,900*	61.5	270.0	54,500	64.8	273.0	50,600													85
90	56.7	264.3	51,200*	59.1	267.1	50,300	62.5	270.5	46,700	65.8	272.8	43,000										90
95	54.2	260.8	47,800*	56.7	263.9	46,600	60.2	267.7	43,200	63.6	270.4	39,800										95
100	51.7	257.0	44,600*	54.2	260.4	43,300	57.8	264.6	40,100	61.2	267.8	36,900										100
105	49.0	252.8	41,800*	51.6	256.6	40,300	55.3	261.2	37,300	58.9	264.8	34,300										105
110	46.2	248.1	39,100*	48.9	252.3	37,700	52.8	257.5	34,800	56.4	261.6	31,900	62.1	266.0	27,200							110
115	43.2	243.0	36,600*	46.1	247.7	35,300	50.1	253.5	32,500	53.9	258.0	29,800	59.8	263.1	25,300							115
120	40.1	237.2	34,300*	43.2	242.5	33,100	47.4	249.0	30,500	51.3	254.1	27,800	57.4	260.0	23,500							120
125	36.8	230.8	32,400*	40.1	236.8	31,100	44.5	244.1	28,600	48.6	249.9	26,100	54.9	256.6	21,900							125
130	33.2	223.5	30,600*	36.7	230.3	29,200	41.5	238.6	26,800	45.8	245.2	24,400	52.3	252.8	20,500							130
135	29.2	215.1	29,000	33.1	223.0	27,500	38.3	232.5	25,200	42.9	239.9	22,900	49.7	248.7	19,200	55.7	253.8	15,400				135
140	24.6	205.0	27,400	29.1	214.6	25,900	34.8	225.7	23,700	39.7	234.2	21,500	46.9	244.1	17,900	53.1	250.2	14,400				140
145	18.9	192.1	25,800	24.4	204.4	24,400	31.0	217.8	22,300	36.4	227.6	20,200	44.0	239.1	16,800	50.5	246.2	13,300				145
150	10.6	172.4	24,300	18.7	191.4	23,000	26.7	208.5	21,000	32.7	220.2	19,000	40.9	233.6	15,700	47.8	241.8	12,400				150
155				10.3	171.3	21,700	21.5	197.0	19,800	28.7	211.6	17,900	37.7	227.4	14,700	44.9	236.9	11,500	51.2	242.3	8,400	155
160							14.8	181.3	18,600	23.9	201.3	16,800	34.1	220.3	13,700	41.9	231.5	10,700	48.5	238.0	7,700	160
165										18.1	187.9	15,800	30.2	212.2	12,800	38.7	225.5	9,900	45.6	233.3	7,000	165
170										9.0	166.3	14,800	25.8	202.6	12,000	35.3	218.8	9,200	42.7	228.0	6,400	170
175													20.5	190.6	11,200	31.5	211.1	8,500	39.5	222.2	5,800	175
180													13.2	173.5	10,400	27.3	202.0	7,800	36.2	215.6	5,200	180
185																22.3	190.9	7,200	32.5	208.2	4,700	185
190																15.9	176.0	6,500	28.4	199.5	4,100	190

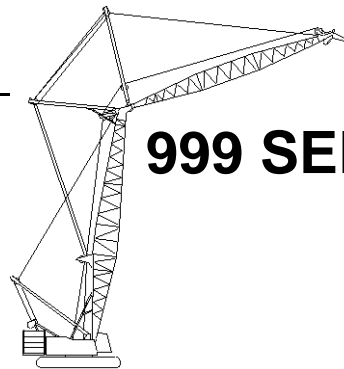


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



140 Ft. Boom, 150 Ft. Jib

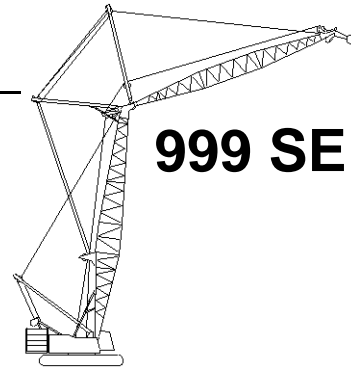
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.9	293.1	64,400*																			50
55	73.9	291.7	63,200*																			55
60	71.9	290.2	62,100*	73.8	291.4	75,000*																60
65	69.9	288.4	60,900*	71.8	289.8	74,700*																65
70	67.8	286.4	59,600*	69.8	288.0	71,000																70
75	65.7	284.2	58,500*	67.8	286.0	64,500	70.7	288.0	60,100													75
80	63.6	281.8	56,900*	65.7	283.8	59,000	68.7	286.1	54,900													80
85	61.4	279.1	53,400*	63.5	281.4	54,200	66.6	284.0	50,400													85
90	59.2	276.2	50,000*	61.4	278.7	50,100	64.5	281.7	46,400	67.6	283.8	42,800										90
95	57.0	273.0	46,800*	59.2	275.8	46,400	62.4	279.1	42,900	65.5	281.5	39,500										95
100	54.6	269.6	43,900*	56.9	272.6	43,100	60.2	276.3	39,800	63.3	279.1	36,600										100
105	52.2	265.8	41,100*	54.6	269.1	40,100	57.9	273.3	37,100	61.2	276.4	34,000										105
110	49.8	261.7	38,600*	52.2	265.4	37,500	55.6	269.9	34,600	59.0	273.5	31,700										110
115	47.2	257.2	36,200*	49.7	261.2	35,100	53.3	266.3	32,300	56.7	270.3	29,500	62.0	274.6	25,000							115
120	44.5	252.2	34,000*	47.1	256.7	32,900	50.8	262.3	30,200	54.4	266.8	27,600	59.8	271.8	23,300							120
125	41.7	246.8	32,000*	44.4	251.8	30,900	48.3	258.0	28,400	51.9	263.0	25,800	57.5	268.7	21,700							125
130	38.7	240.8	30,100*	41.6	246.3	29,000	45.7	253.3	26,600	49.5	258.8	24,200	55.2	265.3	20,300							130
135	35.5	234.0	28,500*	38.6	240.3	27,300	42.9	248.1	25,000	46.9	254.2	22,700	52.9	261.6	18,900							135
140	32.0	226.4	27,100*	35.4	233.5	25,800	40.0	242.3	23,600	44.2	249.2	21,300	50.4	257.6	17,700	56.0	262.5	14,100				140
145	28.2	217.6	25,700	31.9	225.9	24,300	36.9	235.9	22,200	41.3	243.7	20,100	47.9	253.2	16,500	53.6	258.9	13,100				145
150	23.7	207.1	24,300	28.0	217.0	22,900	33.6	228.7	20,900	38.3	237.6	18,900	45.2	248.3	15,500	51.2	255.0	12,200				150
155	18.2	193.7	22,900	23.6	206.5	21,700	29.9	220.4	19,700	35.1	230.8	17,700	42.4	243.0	14,500	48.7	250.7	11,300				155
160	10.2	173.2	21,600	18.1	193.0	20,400	25.7	210.8	18,600	31.6	223.1	16,700	39.5	237.2	13,500	46.1	246.1	10,500	51.8	251.2	7,400	160
165				9.9	172.2	19,200	20.8	198.8	17,500	27.6	214.1	15,700	36.3	230.6	12,700	43.3	240.9	9,700	49.3	247.0	6,800	165
170							14.2	182.5	16,500	23.1	203.3	14,700	32.9	223.3	11,800	40.4	235.3	9,000	46.7	242.4	6,100	170
175										17.5	189.4	13,800	29.2	214.8	11,000	37.4	228.9	8,300	44.0	237.4	5,600	175
180										8.7	167.0	12,900	24.9	204.8	10,300	34.1	221.9	7,600	41.2	231.8	5,000	180
185													19.8	192.3	9,600	30.4	213.8	7,000	38.1	225.7	4,500	185
190													12.7	174.6	8,900	26.3	204.3	6,400				190
195																21.5	192.8	5,800				195
200																15.3	177.4	5,300				200



Liftcrane Luffing Jib Capacities

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

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



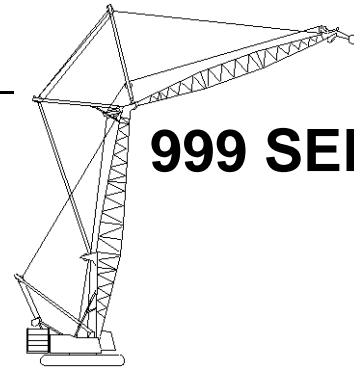
999 SERIES 2

140 Ft. Boom, 160 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.9	302.1	58,800*																55
60	73.1	300.7	57,300*																60
65	71.2	299.0	56,300*	73.0	300.3	67,900*													65
70	69.3	297.2	55,300*	71.1	298.6	67,700*													70
75	67.3	295.1	54,300*	69.2	296.8	63,900													75
80	65.4	292.9	53,300*	67.3	294.7	58,400	70.1	296.8	54,200										80
85	63.4	290.4	51,600*	65.3	292.5	53,700	68.2	294.9	49,700										85
90	61.3	287.8	48,500*	63.3	290.0	49,500	66.2	292.7	45,800										90
95	59.3	284.9	45,600*	61.3	287.4	45,800	64.2	290.4	42,300	67.1	292.5	38,800							95
100	57.2	281.7	42,900*	59.2	284.5	42,500	62.2	287.8	39,200	65.1	290.2	35,900							100
105	55.0	278.3	40,300*	57.1	281.3	39,600	60.2	285.0	36,400	63.1	287.8	33,300							105
110	52.8	274.6	37,800*	54.9	277.9	36,900	58.1	282.0	33,900	61.1	285.1	31,000							110
115	50.5	270.5	35,600*	52.7	274.1	34,500	55.9	278.6	31,700	59.0	282.1	28,900							115
120	48.1	266.2	33,600*	50.4	270.1	32,300	53.7	275.1	29,600	56.9	279.0	26,900	61.9	283.3	22,500				120
125	45.6	261.4	31,600*	48.0	265.7	30,300	51.5	271.2	27,800	54.7	275.5	25,200	59.8	280.4	21,000				125
130	43.0	256.2	29,800*	45.5	260.9	28,500	49.1	267.0	26,000	52.5	271.7	23,600	57.7	277.3	19,500				130
135	40.3	250.5	28,100*	43.0	255.7	26,800	46.7	262.4	24,400	50.2	267.7	22,100	55.5	274.0	18,200				135
140	37.4	244.2	26,700*	40.2	250.0	25,200	44.1	257.4	23,000	47.8	263.3	20,700	53.3	270.4	17,000				140
145	34.3	237.1	25,200	37.3	243.7	23,800	41.5	251.9	21,600	45.3	258.4	19,400	51.0	266.4	15,800	56.2	271.2	12,300	145
150	31.0	229.2	23,800	34.2	236.6	22,400	38.7	245.8	20,300	42.7	253.2	18,200	48.7	262.1	14,800	54.0	267.7	11,400	150
155	27.2	220.0	22,500	30.9	228.7	21,200	35.7	239.1	19,100	40.0	247.4	17,100	46.2	257.5	13,800	51.8	263.8	10,500	155
160	22.9	209.1	21,300	27.1	219.5	20,000	32.5	231.6	18,000	37.1	241.0	16,100	43.7	252.4	12,900	49.4	259.7	9,700	160
165	17.6	195.3	20,100	22.8	208.5	18,900	28.9	223.0	17,000	33.9	233.9	15,100	41.0	246.8	12,000	47.0	255.1	8,900	165
170	9.8	174.1	18,900	17.5	194.5	17,800	24.9	213.0	16,000	30.5	225.8	14,200	38.2	240.7	11,200	44.5	250.2	8,200	170
175				9.6	173.0	16,700	20.1	200.6	15,000	26.7	216.5	13,300	35.1	233.8	10,400	41.9	244.8	7,500	175
180							13.8	183.7	14,100	22.3	205.3	12,500	31.8	226.1	9,700	39.1	238.8	6,900	180
185										16.9	190.9	11,700	28.2	217.3	9,000	36.1	232.2	6,300	185
190										8.4	167.7	10,900	24.1	206.9	8,300	32.9	224.8	5,700	190
195													19.1	194.0	7,700	29.4	216.4	5,200	195
200													12.3	175.7	7,000	25.5	206.6	4,600	200
205																20.8	194.6	4,100	205



Liftcrane Luffing Jib Capacities



999 SERIES 2

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

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

140 Ft. Boom, 170 Ft. Jib

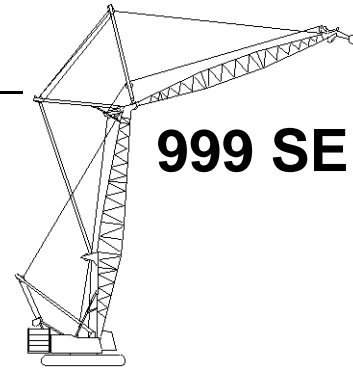
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.8	312.5	54,200*																55
60	74.1	311.1	53,400*																60
65	72.3	309.6	52,600*	74.0	310.7	61,800*													65
70	70.5	307.8	51,300*	72.3	309.2	61,700*													70
75	68.7	305.9	50,800*	70.5	307.5	61,400*													75
80	66.9	303.9	49,600*	68.7	305.6	58,000													80
85	65.1	301.6	49,100*	66.9	303.5	53,200	69.5	305.6	49,200										85
90	63.2	299.1	47,000*	65.0	301.2	49,000	67.7	303.6	45,300										90
95	61.3	296.4	44,400*	63.1	298.7	45,300	65.9	301.4	41,800										95
100	59.3	293.5	41,900*	61.2	296.0	42,000	64.0	299.1	38,700	66.7	301.2	35,400							100
105	57.3	290.4	39,400*	59.3	293.1	39,100	62.1	296.5	35,900	64.8	298.9	32,800							105
110	55.3	287.0	37,200*	57.3	290.0	36,500	60.2	293.7	33,400	62.9	296.4	30,500							110
115	53.2	283.3	35,000*	55.2	286.6	34,100	58.2	290.6	31,200	61.0	293.7	28,300							115
120	51.1	279.4	33,000*	53.1	282.9	31,900	56.2	287.3	29,100	59.1	290.8	26,400							120
125	48.8	275.1	31,300*	51.0	279.0	29,900	54.1	283.8	27,300	57.1	287.6	24,700	61.8	291.9	20,400				125
130	46.5	270.5	29,500*	48.8	274.7	28,100	52.0	280.0	25,600	55.0	284.2	23,100	59.8	289.1	19,000				130
135	44.2	265.5	27,900*	46.5	270.0	26,400	49.8	275.9	24,000	52.9	280.5	21,600	57.8	286.0	17,600				135
140	41.7	260.0	26,300	44.1	265.0	24,800	47.5	271.4	22,500	50.8	276.5	20,200	55.8	282.7	16,400				140
145	39.0	254.0	24,800	41.6	259.5	23,400	45.2	266.6	21,100	48.6	272.2	18,900	53.7	279.1	15,300				145
150	36.2	247.5	23,400	39.0	253.6	22,000	42.8	261.3	19,900	46.3	267.6	17,800	51.6	275.2	14,200	56.5	279.9	10,800	150
155	33.3	240.1	22,100	36.2	247.0	20,800	40.2	255.5	18,700	43.9	262.5	16,600	49.4	271.1	13,300	54.4	276.4	10,000	155
160	30.0	231.9	20,900	33.2	239.6	19,600	37.5	249.2	17,600	41.3	257.0	15,600	47.1	266.5	12,300	52.3	272.6	9,100	160
165	26.4	222.4	19,700	29.9	231.3	18,500	34.6	242.2	16,600	38.7	250.9	14,600	44.8	261.6	11,500	50.1	268.6	8,400	165
170	22.2	211.1	18,600	26.3	221.8	17,400	31.4	234.4	15,600	35.9	244.3	13,700	42.3	256.3	10,700	47.9	264.1	7,700	170
175	17.1	196.7	17,600	22.1	210.4	16,400	28.0	225.5	14,700	32.9	236.8	12,900	39.7	250.4	9,900	45.5	259.4	7,000	175
180	9.5	174.9	16,600	17.0	196.0	15,500	24.1	215.1	13,800	29.6	228.4	12,100	37.0	244.0	9,200	43.1	254.2	6,400	180
185				9.3	173.8	14,500	19.5	202.3	12,900	25.9	218.8	11,300	34.0	236.9	8,500	40.6	248.5	5,800	185
190							13.3	184.8	12,100	21.7	207.2	10,500	30.9	228.9	7,900	37.9	242.3	5,200	190
195										16.4	192.3	9,800	27.3	219.8	7,200	35.0	235.4	4,700	195
200										8.1	168.4	9,100	23.3	209.0	6,600	31.9	227.7	4,200	200
205													18.5	195.6	6,100				205
210													11.9	176.7	5,500				210



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 180 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.0	321.5	49,000*																60
65	73.3	320.1	48,300*																65
70	71.7	318.4	47,500*	73.3	319.7	55,800*													70
75	70.0	316.7	46,800*	71.6	318.1	55,600*													75
80	68.3	314.7	46,100*	69.9	316.3	55,300*													80
85	66.5	312.6	45,000*	68.2	314.3	52,600	70.7	316.3	48,500										85
90	64.8	310.3	44,600*	66.5	312.2	48,400	69.0	314.4	44,600										90
95	63.0	307.8	43,200*	64.7	309.9	44,700	67.3	312.4	41,100										95
100	61.2	305.1	40,900*	63.0	307.4	41,500	65.5	310.1	38,000										100
105	59.4	302.2	38,700*	61.1	304.7	38,500	63.8	307.7	35,300	66.3	310.0	32,100							105
110	57.5	299.1	36,600*	59.3	301.8	35,900	62.0	305.1	32,800	64.6	307.6	29,800							110
115	55.6	295.7	34,600*	57.4	298.7	33,500	60.2	302.3	30,600	62.8	305.1	27,700							115
120	53.6	292.1	32,700*	55.5	295.3	31,300	58.3	299.3	28,500	61.0	302.4	25,700							120
125	51.6	288.2	30,900*	53.5	291.7	29,300	56.4	296.0	26,700	59.1	299.5	24,000							125
130	49.5	284.0	29,200	51.5	287.8	27,500	54.5	292.5	24,900	57.2	296.3	22,400	61.7	300.6	18,200				130
135	47.4	279.5	27,400	49.5	283.6	25,800	52.5	288.8	23,400	55.3	292.9	20,900	59.8	297.8	16,900				135
140	45.1	274.7	25,800	47.3	279.1	24,300	50.4	284.7	21,900	53.4	289.3	19,600	58.0	294.7	15,700				140
145	42.8	269.4	24,300	45.1	274.2	22,800	48.3	280.4	20,500	51.3	285.4	18,300	56.1	291.4	14,600				145
150	40.4	263.7	22,900	42.8	269.0	21,500	46.1	275.7	19,300	49.3	281.2	17,100	54.1	287.9	13,500				150
155	37.9	257.5	21,600	40.4	263.2	20,200	43.8	270.6	18,100	47.1	276.6	16,000	52.1	284.0	12,600	56.7	288.6	9,200	155
160	35.2	250.6	20,400	37.8	257.0	19,000	41.5	265.1	17,000	44.9	271.7	15,000	50.0	279.9	11,600	54.7	285.1	8,400	160
165	32.3	243.0	19,300	35.1	250.1	17,900	39.0	259.1	16,000	42.6	266.4	14,000	47.9	275.5	10,800	52.7	281.4	7,600	165
170	29.1	234.5	18,200	32.2	242.5	16,900	36.4	252.5	15,000	40.1	260.6	13,100	45.7	270.8	10,000	50.7	277.4	6,900	170
175	25.6	224.6	17,100	29.0	233.9	15,900	33.6	245.3	14,100	37.6	254.3	12,300	43.4	265.6	9,200	48.6	273.1	6,300	175
180	21.6	213.0	16,200	25.5	224.0	15,000	30.5	237.2	13,200	34.8	247.4	11,500	41.1	260.0	8,500	46.4	268.5	5,700	180
185	16.6	198.2	15,200	21.5	212.3	14,100	27.2	227.9	12,400	31.9	239.7	10,700	38.5	253.9	7,900	44.2	263.4	5,100	185
190	9.3	175.7	14,300	16.5	197.4	13,300	23.4	217.1	11,600	28.7	231.0	10,000	35.9	247.3	7,200	41.8	258.0	4,500	190
195				9.0	174.5	12,400	18.9	203.9	10,900	25.2	221.0	9,300	33.0	239.9	6,600	39.4	252.1	4,000	195
200							13.0	185.9	10,100	21.0	209.0	8,600	30.0	231.6	6,000				200
205										15.9	193.7	7,900	26.6	222.1	5,500				205
210										7.9	169.1	7,300	22.7	211.0	4,900				210
215													18.0	197.2	4,400				215

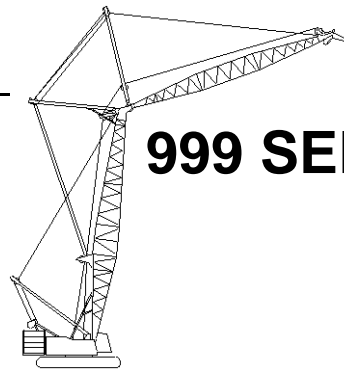


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



140 Ft. Boom, 190 Ft. Jib

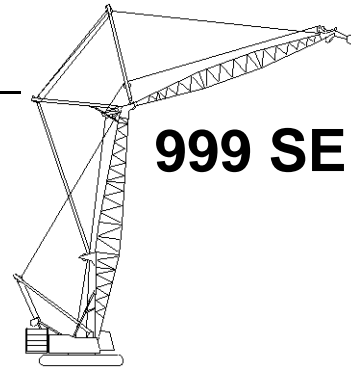
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.8	331.9	44,900*																60
65	74.2	330.5	44,500*																65
70	72.7	329.0	43,900*																70
75	71.1	327.3	43,000*	72.6	328.6	50,600*													75
80	69.5	325.5	42,700*	71.0	326.9	50,400*													80
85	67.8	323.5	41,700*	69.4	325.1	50,100*													85
90	66.2	321.3	41,400*	67.8	323.1	48,100	70.2	325.1	44,300										90
95	64.5	319.0	40,500*	66.2	320.9	44,400	68.5	323.2	40,800										95
100	62.8	316.5	39,500*	64.5	318.6	41,200	66.9	321.1	37,700										100
105	61.1	313.8	37,600*	62.8	316.1	38,200	65.3	318.8	35,000	67.6	320.9	31,800							105
110	59.4	310.9	35,700*	61.1	313.3	35,600	63.6	316.4	32,500	66.0	318.7	29,500							110
115	57.6	307.7	33,800*	59.3	310.4	33,200	61.9	313.8	30,300	64.3	316.3	27,400							115
120	55.8	304.4	32,100*	57.6	307.3	31,000	60.1	311.0	28,200	62.6	313.8	25,400							120
125	53.9	300.8	30,400*	55.8	304.0	29,000	58.4	308.0	26,400	60.9	311.1	23,700							125
130	52.0	297.0	28,800*	53.9	300.4	27,200	56.6	304.7	24,600	59.2	308.1	22,100							130
135	50.1	292.9	27,200	52.0	296.6	25,500	54.8	301.3	23,100	57.4	305.0	20,600	61.6	309.3	16,600				135
140	48.1	288.5	25,600	50.1	292.5	24,000	52.9	297.5	21,600	55.6	301.6	19,300	59.8	306.4	15,400				140
145	46.0	283.8	24,100	48.0	288.1	22,500	50.9	293.6	20,300	53.7	298.0	18,000	58.1	303.4	14,300				145
150	43.9	278.7	22,700	46.0	283.4	21,200	49.0	289.3	19,000	51.8	294.2	16,800	56.3	300.1	13,200				150
155	41.6	273.3	21,400	43.8	278.3	19,900	46.9	284.7	17,800	49.9	290.1	15,700	54.4	296.6	12,300				155
160	39.3	267.3	20,100	41.6	272.8	18,800	44.8	279.8	16,700	47.8	285.6	14,700	52.5	292.8	11,400	56.8	297.3	8,100	160
165	36.8	260.8	19,000	39.2	266.8	17,700	42.6	274.5	15,700	45.8	280.9	13,700	50.6	288.8	10,500	55.0	293.9	7,300	165
170	34.2	253.7	17,900	36.8	260.3	16,700	40.3	268.8	14,700	43.6	275.7	12,800	48.6	284.5	9,700	53.1	290.2	6,600	170
175	31.4	245.8	16,900	34.1	253.2	15,700	37.9	262.5	13,800	41.4	270.2	12,000	46.6	279.9	9,000	51.2	286.3	6,000	175
180	28.3	237.0	16,000	31.3	245.3	14,800	35.4	255.7	13,000	39.0	264.2	11,200	44.4	274.9	8,200	49.2	282.0	5,400	180
185	24.9	226.9	15,000	28.2	236.4	13,900	32.6	248.2	12,200	36.5	257.7	10,400	42.2	269.5	7,600	47.2	277.5	4,800	185
190	21.0	214.8	14,200	24.8	226.2	13,100	29.7	239.8	11,400	33.9	250.5	9,700	39.9	263.7	6,900	45.1	272.6	4,200	190
195	16.1	199.6	13,300	20.9	214.1	12,300	26.4	230.3	10,700	31.0	242.5	9,000	37.5	257.3	6,300				195
200	9.0	176.4	12,500	16.0	198.8	11,500	22.8	219.1	9,900	27.9	233.5	8,400	34.9	250.4	5,800				200
205				8.7	175.3	10,700	18.4	205.5	9,300	24.5	223.2	7,700	32.1	242.7	5,200				205
210							12.6	187.0	8,600	20.5	210.8	7,100	29.1	234.2	4,700				210
215										15.5	195.0	6,600	25.8	224.4	4,200				215
220										7.7	169.7	5,900							220



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 200 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.0	340.9	40,700*																65
70	73.6	339.4	40,500*																70
75	72.1	337.9	39,700*	73.5	339.1	46,100*													75
80	70.5	336.1	39,200*	72.0	337.5	45,800*													80
85	69.0	334.2	38,600*	70.5	335.7	45,600*													85
90	67.5	332.2	38,100*	69.0	333.9	45,300*													90
95	65.9	330.0	37,800*	67.4	331.8	43,900	69.7	333.9	40,200										95
100	64.3	327.7	37,000*	65.9	329.6	40,600	68.1	332.0	37,100										100
105	62.7	325.1	36,300*	64.3	327.3	37,700	66.6	329.8	34,400										105
110	61.1	322.4	34,600*	62.7	324.7	35,000	65.0	327.5	31,900	67.3	329.6	28,800							110
115	59.4	319.5	32,900*	61.0	322.0	32,600	63.4	325.1	29,600	65.7	327.4	26,700							115
120	57.7	316.4	31,300*	59.4	319.1	30,500	61.8	322.5	27,600	64.1	325.0	24,800							120
125	56.0	313.1	29,700*	57.7	316.0	28,500	60.1	319.6	25,700	62.5	322.5	23,000							125
130	54.3	309.6	28,300*	56.0	312.7	26,600	58.5	316.6	24,000	60.9	319.7	21,400							130
135	52.5	305.8	26,600	54.2	309.1	25,000	56.8	313.4	22,500	59.2	316.8	20,000							135
140	50.6	301.8	25,000	52.4	305.4	23,400	55.0	310.0	21,000	57.5	313.7	18,600	61.5	317.9	14,700				140
145	48.7	297.5	23,500	50.6	301.3	22,000	53.2	306.3	19,700	55.8	310.3	17,400	59.8	315.1	13,500				145
150	46.8	292.9	22,100	48.7	297.0	20,600	51.4	302.4	18,400	54.0	306.8	16,200	58.2	312.0	12,500				150
155	44.8	288.0	20,800	46.7	292.4	19,400	49.6	298.2	17,200	52.2	303.0	15,100	56.5	308.8	11,600				155
160	42.7	282.7	19,600	44.7	287.5	18,200	47.6	293.8	16,200	50.4	298.9	14,100	54.7	305.3	10,700				160
165	40.5	277.0	18,500	42.6	282.2	17,100	45.7	289.0	15,100	48.5	294.6	13,100	52.9	301.6	9,800	57.0	306.0	6,600	165
170	38.2	270.8	17,400	40.5	276.5	16,100	43.6	283.8	14,200	46.6	289.9	12,200	51.1	297.6	9,000	55.3	302.6	5,900	170
175	35.9	264.1	16,400	38.2	270.3	15,200	41.5	278.3	13,300	44.5	285.0	11,400	49.2	293.4	8,300	53.5	298.9	5,200	175
180	33.3	256.7	15,500	35.8	263.6	14,200	39.2	272.4	12,400	42.4	279.6	10,600	47.3	288.9	7,600	51.7	295.1	4,600	180
185	30.6	248.6	14,600	33.2	256.2	13,400	36.9	265.9	11,600	40.3	273.9	9,800	45.3	284.1	6,900	49.8	290.9	4,000	185
190	27.6	239.5	13,700	30.5	248.0	12,600	34.4	258.8	10,800	38.0	267.7	9,100	43.2	278.9	6,300				190
195	24.3	229.0	12,900	27.5	238.9	11,800	31.8	251.1	10,100	35.5	260.9	8,400	41.1	273.3	5,700				195
200	20.4	216.6	12,100	24.2	228.4	11,000	28.9	242.4	9,400	33.0	253.4	7,800	38.8	267.2	5,100				200
205	15.7	200.9	11,400	20.3	215.9	10,300	25.7	232.6	8,800	30.2	245.2	7,200	36.5	260.7	4,600				205
210	8.8	177.2	10,600	15.6	200.2	9,600	22.2	221.1	8,100	27.2	235.9	6,600	34.0	253.5	4,100				210
215				8.5	176.0	8,900	17.9	207.1	7,500	23.8	225.3	6,000							215
220							12.3	188.1	6,900	19.9	212.6	5,500							220
225										15.1	196.3	4,900							225
230										7.5	170.3	4,400							230

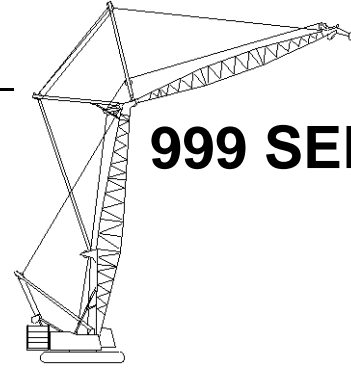


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



140 Ft. Boom, 210 Ft. Jib

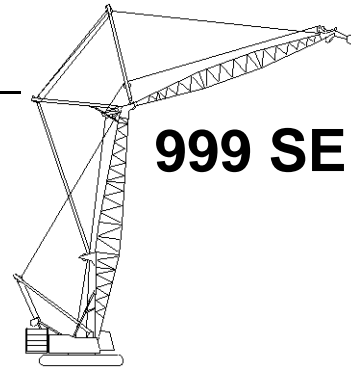
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.8	351.2	37,300*													65
70	74.4	349.9	37,000*													70
75	72.9	348.4	36,800*													75
80	71.5	346.7	36,400*	72.9	348.0	41,800*										80
85	70.1	344.9	36,000*	71.5	346.3	41,500*										85
90	68.6	343.0	35,300*	70.0	344.6	41,300*										90
95	67.1	341.0	35,000*	68.6	342.6	41,000*	70.7	344.6	39,700							95
100	65.6	338.7	34,300*	67.1	340.6	40,100	69.2	342.7	36,600							100
105	64.1	336.3	33,900*	65.6	338.3	37,200	67.8	340.7	33,800							105
110	62.6	333.8	33,400*	64.1	335.9	34,500	66.3	338.6	31,400							110
115	61.0	331.1	31,900*	62.5	333.4	32,100	64.8	336.2	29,100	66.9	338.3	26,100				115
120	59.4	328.2	30,400*	61.0	330.7	30,000	63.2	333.8	27,100	65.4	336.1	24,200				120
125	57.8	325.1	29,000*	59.4	327.8	28,000	61.7	331.1	25,200	63.9	333.7	22,500				125
130	56.2	321.8	27,600*	57.8	324.7	26,200	60.1	328.3	23,500	62.4	331.1	20,900				130
135	54.5	318.3	26,200	56.2	321.4	24,500	58.5	325.3	22,000	60.8	328.4	19,400				135
140	52.8	314.6	24,600	54.5	317.9	22,900	56.9	322.1	20,500	59.3	325.5	18,100	63.0	329.3	14,100	140
145	51.1	310.6	23,100	52.8	314.1	21,500	55.3	318.7	19,200	57.6	322.3	16,800	61.4	326.6	13,000	145
150	49.3	306.4	21,700	51.1	310.2	20,200	53.6	315.1	17,900	56.0	319.0	15,700	59.9	323.7	12,000	150
155	47.5	301.9	20,400	49.3	306.0	18,900	51.9	311.2	16,800	54.3	315.5	14,600	58.3	320.7	11,000	155
160	45.6	297.1	19,200	47.4	301.5	17,800	50.1	307.1	15,700	52.6	311.8	13,600	56.6	317.5	10,100	160
165	43.6	292.0	18,000	45.5	296.7	16,700	48.3	302.7	14,600	50.9	307.8	12,600	55.0	314.0	9,300	165
170	41.6	286.5	17,000	43.6	291.5	15,700	46.4	298.1	13,700	49.1	303.5	11,700	53.3	310.4	8,500	170
175	39.5	280.6	16,000	41.6	286.0	14,700	44.5	293.1	12,800	47.3	299.0	10,900	51.6	306.5	7,700	175
180	37.3	274.2	15,000	39.4	280.1	13,800	42.5	287.8	11,900	45.4	294.2	10,100	49.8	302.3	7,000	180
185	35.0	267.2	14,100	37.2	273.7	12,900	40.4	282.0	11,100	43.4	289.0	9,300	48.0	297.9	6,400	185
190	32.5	259.6	13,300	34.9	266.7	12,100	38.3	275.8	10,400	41.4	283.4	8,600	46.1	293.2	5,800	190
195	29.8	251.2	12,500	32.4	259.1	11,300	36.0	269.2	9,600	39.2	277.5	8,000	44.1	288.1	5,200	195
200	26.9	241.8	11,700	29.7	250.7	10,600	33.6	261.9	9,000	37.0	271.0	7,300	42.1	282.7	4,600	200
205	23.7	231.1	11,000	26.8	241.3	9,900	31.0	253.8	8,300	34.7	264.0	6,700	40.0	276.9	4,100	205
210	19.9	218.4	10,300	23.6	230.5	9,200	28.2	244.9	7,700	32.2	256.3	6,100				210
215	15.3	202.3	9,600	19.8	217.7	8,600	25.1	234.8	7,100	29.5	247.8	5,600				215
220	8.5	177.9	8,900	15.2	201.5	8,000	21.6	223.0	6,500	26.5	238.3	5,000				220
225				8.3	176.7	7,300	17.5	208.6	5,900	23.2	227.3	4,500				225
230							12.0	189.1	5,400	19.4	214.3	4,000				230



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.1	360.2	33,800*													70
75	73.7	358.8	33,500*													75
80	72.4	357.3	33,200*	73.7	358.4	38,000*										80
85	71.0	355.6	32,900*	72.3	356.9	37,800*										85
90	69.6	353.8	32,600*	71.0	355.2	37,500*										90
95	68.2	351.8	32,100*	69.6	353.4	37,200*										95
100	66.8	349.7	31,700*	68.2	351.4	37,000*	70.2	353.4	35,900*							100
105	65.4	347.4	31,300*	66.8	349.3	36,600	68.8	351.5	33,200							105
110	63.9	345.0	31,000*	65.3	347.0	34,000	67.4	349.5	30,700							110
115	62.5	342.5	30,500*	63.9	344.6	31,600	66.0	347.3	28,500	68.0	349.2	25,400				115
120	61.0	339.7	29,400*	62.4	342.1	29,400	64.6	344.9	26,500	66.6	347.1	23,600				120
125	59.5	336.8	28,100*	60.9	339.3	27,400	63.1	342.4	24,600	65.2	344.8	21,800				125
130	57.9	333.8	26,900*	59.4	336.4	25,600	61.6	339.8	22,900	63.7	342.4	20,200				130
135	56.4	330.5	25,700*	57.9	333.3	23,900	60.1	337.0	21,300	62.3	339.8	18,800				135
140	54.8	327.0	24,000	56.3	330.1	22,400	58.6	334.0	19,900	60.8	337.0	17,400				140
145	53.2	323.3	22,500	54.8	326.6	20,900	57.1	330.8	18,600	59.3	334.1	16,200	62.8	337.9	12,300	145
150	51.5	319.4	21,200	53.1	322.9	19,600	55.5	327.4	17,300	57.8	331.0	15,000	61.4	335.3	11,200	150
155	49.8	315.3	19,900	51.5	319.0	18,400	53.9	323.8	16,100	56.2	327.7	13,900	59.9	332.4	10,300	155
160	48.1	310.9	18,600	49.8	314.9	17,200	52.3	320.0	15,100	54.6	324.2	12,900	58.3	329.4	9,400	160
165	46.3	306.2	17,500	48.1	310.4	16,100	50.6	316.0	14,000	53.0	320.5	12,000	56.8	326.1	8,600	165
170	44.5	301.2	16,500	46.3	305.8	15,100	48.9	311.7	13,100	51.3	316.6	11,100	55.2	322.7	7,800	170
175	42.6	295.9	15,500	44.4	300.8	14,100	47.1	307.1	12,200	49.6	312.4	10,300	53.6	319.1	7,100	175
180	40.6	290.2	14,500	42.5	295.4	13,200	45.3	302.3	11,300	47.9	308.0	9,500	52.0	315.3	6,400	180
185	38.5	284.1	13,600	40.6	289.7	12,400	43.4	297.1	10,500	46.1	303.3	8,700	50.3	311.2	5,700	185
190	36.4	277.5	12,800	38.5	283.6	11,600	41.5	291.6	9,800	44.3	298.2	8,000	48.6	306.8	5,100	190
195	34.1	270.3	12,000	36.3	277.0	10,800	39.4	285.6	9,100	42.3	292.9	7,300	46.8	302.2	4,500	195
200	31.7	262.5	11,200	34.1	269.8	10,100	37.3	279.2	8,400	40.4	287.1	6,700				200
205	29.1	253.8	10,500	31.6	261.9	9,400	35.1	272.3	7,700	38.3	280.9	6,100				205
210	26.3	244.2	9,800	29.0	253.3	8,700	32.8	264.8	7,100	36.1	274.3	5,500				210
215	23.1	233.1	9,100	26.2	243.6	8,100	30.2	256.5	6,500	33.8	267.0	5,000				215
220	19.5	220.1	8,500	23.0	232.5	7,500	27.5	247.3	6,000	31.4	259.1	4,500				220
225	15.0	203.6	7,800	19.4	219.4	6,900	24.5	236.9	5,400							225
230	8.3	178.6	7,200	14.8	202.8	6,300	21.1	224.9	4,900							230
235				8.1	177.4	5,700	17.1	210.1	4,400							235

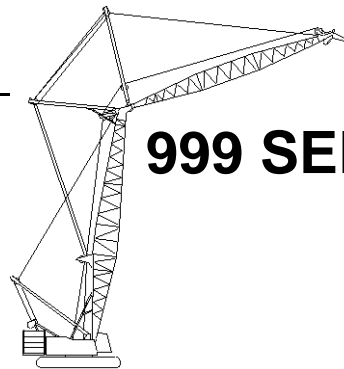


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



140 Ft. Boom, 230 Ft. Jib

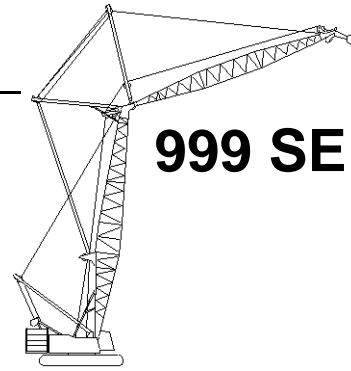
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.8	370.6	31,600*										70
75	74.5	369.2	31,300*										75
80	73.2	367.8	31,000*										80
85	71.9	366.1	30,600*	73.1	367.4	35,700*							85
90	70.5	364.4	30,300*	71.8	365.8	35,500*							90
95	69.2	362.5	29,900*	70.5	364.0	35,200*							95
100	67.9	360.5	29,500*	69.2	362.2	35,000*							100
105	66.5	358.4	29,100*	67.8	360.2	34,700*	69.8	362.2	32,800				105
110	65.1	356.1	28,700*	66.5	358.0	33,500	68.4	360.3	30,300				110
115	63.8	353.7	28,100*	65.1	355.7	31,100	67.1	358.2	28,100				115
120	62.4	351.1	26,900*	63.7	353.3	29,000	65.7	356.0	26,000	67.7	357.9	23,100	120
125	60.9	348.4	25,800*	62.3	350.7	27,000	64.4	353.6	24,200	66.3	355.8	21,400	125
130	59.5	345.5	24,700*	60.9	348.0	25,200	63.0	351.1	22,500	65.0	353.5	19,800	130
135	58.0	342.4	23,600*	59.5	345.1	23,500	61.6	348.4	20,900	63.6	351.0	18,300	135
140	56.5	339.2	22,600*	58.0	342.0	22,000	60.1	345.6	19,500	62.2	348.5	17,000	140
145	55.0	335.7	21,600*	56.5	338.8	20,500	58.7	342.6	18,100	60.8	345.7	15,800	145
150	53.5	332.1	20,700*	55.0	335.3	19,200	57.2	339.4	16,900	59.3	342.8	14,600	150
155	51.9	328.2	19,500	53.5	331.7	18,000	55.7	336.1	15,700	57.9	339.7	13,500	155
160	50.3	324.2	18,300	51.9	327.8	16,800	54.2	332.5	14,700	56.4	336.4	12,500	160
165	48.7	319.8	17,100	50.3	323.7	15,700	52.6	328.8	13,600	54.8	332.9	11,600	165
170	47.0	315.3	16,100	48.6	319.4	14,700	51.0	324.8	12,700	53.3	329.3	10,700	170
175	45.2	310.4	15,100	46.9	314.8	13,800	49.4	320.6	11,800	51.7	325.4	9,800	175
180	43.4	305.2	14,100	45.2	309.9	12,900	47.7	316.1	10,900	50.1	321.3	9,100	180
185	41.6	299.7	13,200	43.4	304.8	12,000	46.0	311.4	10,200	48.5	316.9	8,300	185
190	39.7	293.8	12,400	41.5	299.2	11,200	44.2	306.3	9,400	46.8	312.3	7,600	190
195	37.7	287.5	11,600	39.6	293.3	10,400	42.4	301.0	8,700	45.0	307.4	7,000	195
200	35.6	280.7	10,800	37.6	287.0	9,700	40.5	295.3	8,000	43.2	302.2	6,300	200
205	33.3	273.3	10,100	35.5	280.2	9,000	38.5	289.1	7,400	41.4	296.7	5,700	205
210	31.0	265.3	9,400	33.3	272.8	8,400	36.5	282.5	6,700	39.4	290.7	5,100	210
215	28.4	256.4	8,800	30.9	264.7	7,700	34.3	275.4	6,200	37.4	284.3	4,600	215
220	25.7	246.4	8,100	28.4	255.8	7,100	32.0	267.7	5,600	35.3	277.5	4,100	220
225	22.6	235.1	7,500	25.6	245.8	6,500	29.6	259.2	5,100				225
230	19.0	221.7	7,000	22.5	234.5	6,000	26.9	249.7	4,500				230
235	14.6	204.8	6,400	18.9	221.0	5,500	24.0	239.1	4,100				235
240	8.1	179.3	5,800	14.5	204.0	4,900							240
245				7.9	178.0	4,400							245



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

140 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75	75.1	379.6	28,700*										75
80	73.9	378.2	28,400*										80
85	72.6	376.7	28,100*	73.9	377.8	32,600*							85
90	71.4	375.0	27,900*	72.6	376.3	32,300*							90
95	70.1	373.2	27,600*	71.3	374.6	32,100*							95
100	68.8	371.3	27,200*	70.1	372.9	31,800*							100
105	67.5	369.3	26,900*	68.8	370.9	31,600*	70.7	372.9	31,200*				105
110	66.2	367.1	26,500*	67.5	368.9	31,300*	69.4	371.0	29,700				110
115	64.9	364.8	26,200*	66.2	366.7	30,600	68.1	369.0	27,400				115
120	63.6	362.4	25,800*	64.9	364.4	28,400	66.8	366.9	25,400				120
125	62.3	359.8	24,800*	63.6	362.0	26,400	65.5	364.7	23,600	67.4	366.7	20,700	125
130	60.9	357.1	23,800*	62.2	359.4	24,600	64.2	362.3	21,900	66.1	364.5	19,100	130
135	59.5	354.2	22,800*	60.9	356.7	23,000	62.8	359.8	20,300	64.8	362.2	17,700	135
140	58.1	351.1	21,900*	59.5	353.7	21,400	61.5	357.1	18,900	63.4	359.7	16,400	140
145	56.7	347.9	21,000*	58.1	350.7	20,000	60.1	354.3	17,500	62.1	357.1	15,100	145
150	55.2	344.4	20,100*	56.7	347.4	18,700	58.7	351.3	16,300	60.7	354.4	14,000	150
155	53.8	340.8	18,900	55.2	344.0	17,400	57.3	348.1	15,100	59.3	351.4	12,900	155
160	52.3	337.0	17,700	53.7	340.4	16,300	55.9	344.8	14,100	57.9	348.4	11,900	160
165	50.7	333.0	16,600	52.2	336.6	15,200	54.4	341.3	13,000	56.5	345.1	10,900	165
170	49.2	328.8	15,500	50.7	332.6	14,200	52.9	337.5	12,100	55.1	341.7	10,100	170
175	47.6	324.3	14,500	49.1	328.3	13,200	51.4	333.6	11,200	53.6	338.0	9,200	175
180	45.9	319.5	13,600	47.5	323.8	12,300	49.9	329.5	10,400	52.1	334.2	8,400	180
185	44.2	314.5	12,700	45.9	319.1	11,500	48.3	325.1	9,600	50.6	330.2	7,700	185
190	42.5	309.1	11,900	44.2	314.0	10,700	46.6	320.5	8,800	49.0	325.9	7,000	190
195	40.7	303.4	11,100	42.4	308.7	9,900	45.0	315.5	8,100	47.4	321.4	6,300	195
200	38.8	297.3	10,300	40.6	302.9	9,200	43.2	310.3	7,400	45.7	316.6	5,700	200
205	36.8	290.8	9,600	38.7	296.9	8,500	41.5	304.8	6,800	44.0	311.5	5,100	205
210	34.8	283.8	8,900	36.8	290.3	7,800	39.6	298.9	6,200	42.3	306.1	4,600	210
215	32.6	276.2	8,300	34.7	283.3	7,200	37.7	292.6	5,600	40.4	300.4	4,000	215
220	30.3	268.0	7,600	32.6	275.7	6,600	35.7	285.8	5,000				220
225	27.8	258.8	7,000	30.2	267.4	6,000	33.6	278.4	4,500				225
230	25.1	248.7	6,500	27.8	258.3	5,500	31.3	270.5	4,000				230
235	22.1	237.1	5,900	25.0	248.1	5,000							235
240	18.6	223.3	5,400	22.0	236.4	4,400							240
245	14.3	206.1	4,900										245
250	8.0	180.0	4,300										250

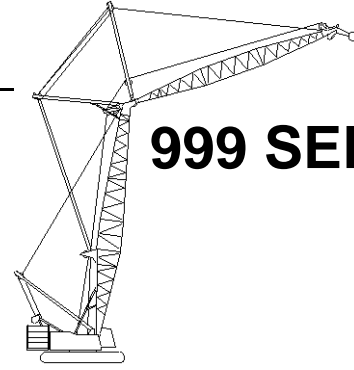


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



150 Ft. Boom, 70 Ft. Jib

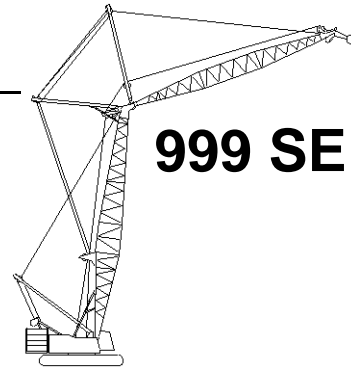
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
45	63.4	220.0	115,800*b																			45	
50	58.7	217.1	108,300*b	63.6	219.8	115,500*b																50	
55	53.7	213.6	101,500*	58.9	216.9	108,000*b	66.1	220.3	105,900b													55	
60	48.3	209.4	95,500*	53.9	213.4	98,900	61.5	217.7	94,600b													60	
65	42.5	204.3	87,600*	48.6	209.3	89,200	56.7	214.6	85,300b	64.1	217.9	81,400b										65	
70	35.8	197.9	80,500*	42.7	204.2	81,100	51.6	210.8	77,600	59.4	215.1	74,000b										70	
75	27.8	189.5	75,000*	36.1	197.9	74,300	46.1	206.3	71,000	54.5	211.7	67,800b										75	
80	16.4	176.5	68,700*	28.2	189.6	68,300	40.0	200.7	65,400	49.2	207.6	62,400	62.0	213.7	57,400b								80
85				17.1	177.0	63,100	32.9	193.7	60,500	43.4	202.7	57,700	57.2	210.6	53,000b								85
90							24.0	184.0	56,100	36.9	196.5	53,600	52.1	206.9	49,300								90
95							8.1	165.3	52,100	29.2	188.5	49,900	46.6	202.5	45,900								95
100										18.7	176.6	46,600	40.6	197.0	42,900	54.6	204.7	39,100					100
105													33.6	190.1	40,200	49.3	200.6	36,700					105
110													25.0	180.8	37,700	43.6	195.7	34,400					110
115													10.8	164.3	35,400	37.1	189.6	32,400	51.5	197.1	29,300		115
120																29.5	181.6	30,500	46.0	192.6	27,600		120
125																19.1	170.0	28,800	39.9	187.0	26,000		125
130																			32.8	179.9	24,600		130
135																			23.8	170.2	23,200		135
140																			7.5	151.0	21,800		140



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 80 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	66.9	231.1	107,100*b																			45
50	63.0	228.7	103,200*b	67.1	230.8	111,700*b																50
55	58.8	225.8	98,400*	63.1	228.4	104,700*b	69.3	231.1	105,300b													55
60	54.5	222.4	92,600*	59.0	225.5	98,500*	65.4	229.0	94,100b													60
65	49.9	218.3	84,600*	54.7	222.2	88,900	61.4	226.3	84,800b	67.6	228.9	80,800b										65
70	45.0	213.6	77,100*	50.1	218.2	80,800	57.1	223.3	77,100	63.6	226.6	73,500b										70
75	39.5	207.9	70,900*	45.2	213.5	74,000	52.7	219.6	70,600	59.5	223.7	67,200										75
80	33.4	200.9	65,700*	39.8	207.8	68,100	48.0	215.4	65,000	55.2	220.4	61,900										80
85	25.9	191.8	61,700*	33.7	200.9	63,000	42.9	210.3	60,100	50.6	216.5	57,200	61.7	222.3	52,400b							85
90	15.3	177.8	59,500*	26.3	191.9	58,500	37.2	204.1	55,900	45.8	211.9	53,200	57.6	219.3	48,700							90
95				15.9	178.3	54,500	30.6	196.4	52,100	40.4	206.4	49,600	53.2	215.7	45,400							95
100							22.3	186.0	48,600	34.4	199.6	46,300	48.5	211.5	42,400							100
105							7.5	165.9	45,500	27.2	190.9	43,400	43.4	206.5	39,700	55.3	213.4	36,100				105
110										17.4	178.1	40,700	37.8	200.5	37,300	50.8	209.5	33,900				110
115													31.3	193.0	35,100	45.9	204.9	31,900				115
120													23.3	182.9	33,100	40.6	199.4	30,000	52.6	206.0	27,000	120
125													10.0	165.1	31,200	34.6	192.7	28,300	47.9	201.7	25,400	125
130																27.5	184.1	26,800	42.8	196.6	24,000	130
135																17.8	171.5	25,300	37.1	190.4	22,700	135
140																			30.5	182.7	21,500	140
145																			22.2	172.2	20,300	145
150																			7.0	151.5	19,100	150

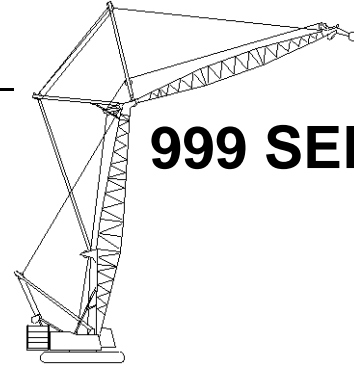


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



150 Ft. Boom, 90 Ft. Jib

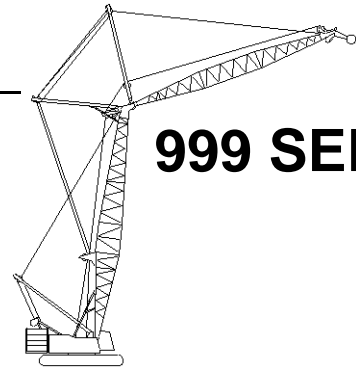
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	69.6	241.9	99,200*b																			45
50	66.2	239.8	96,800*b	69.8	241.6	108,300*b																50
55	62.6	237.3	92,400*	66.3	239.6	101,900*b																55
60	59.0	234.4	89,200*	62.8	237.1	96,000*	68.3	239.9	93,700b													60
65	55.1	231.1	81,800*	59.1	234.2	88,600	64.8	237.6	84,500b													65
70	51.1	227.2	75,000*	55.3	230.9	80,600	61.2	235.0	76,800	66.7	237.7	73,100b										70
75	46.8	222.7	68,700*	51.3	227.1	73,800	57.5	231.9	70,300	63.2	235.2	66,900										75
80	42.2	217.5	63,300*	47.0	222.6	67,900	53.6	228.4	64,700	59.5	232.4	61,600										80
85	37.1	211.3	58,600*	42.4	217.4	62,900	49.5	224.3	59,900	55.7	229.1	56,900										85
90	31.4	203.7	54,800*	37.4	211.3	58,400	45.1	219.6	55,600	51.7	225.4	52,900	61.6	231.0	48,300							90
95	24.4	193.9	51,800*	31.7	203.8	54,400	40.3	214.0	51,900	47.5	221.0	49,300	57.8	228.0	45,000							95
100	14.3	179.0	50,200*	24.7	194.1	50,900	35.0	207.3	48,500	43.0	215.9	46,100	54.0	224.5	42,000							100
105				14.9	179.6	47,700	28.8	199.0	45,500	38.0	209.8	43,200	49.9	220.4	39,400							105
110							21.0	187.8	42,700	32.3	202.5	40,600	45.5	215.7	37,000	55.9	222.1	33,500				110
115							7.0	166.4	40,100	25.6	193.2	38,200	40.8	210.3	34,900	51.9	218.3	31,500				115
120										16.3	179.5	36,000	35.5	203.7	32,900	47.7	214.0	29,700				120
125													29.5	195.6	31,000	43.1	208.9	28,000				125
130													21.9	184.8	29,300	38.1	202.9	26,500	49.4	210.6	23,600	130
135													9.4	165.9	27,700	32.5	195.6	25,100	45.0	205.9	22,400	135
140																25.8	186.4	23,700	40.2	200.3	21,200	140
145																16.7	172.9	22,500	34.9	193.6	20,000	145
150																			28.7	185.2	19,000	150
155																			20.8	174.0	18,000	155
160																			6.5	152.0	17,000	160



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 100 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	71.8	252.6	91,600*b																			45
50	68.7	250.7	88,600*b	71.9	252.3	104,500*b																50
55	65.6	248.5	85,700*	68.8	250.4	98,600*b																55
60	62.4	246.0	83,100*	65.7	248.3	93,100*	70.6	250.6	93,200b													60
65	59.1	243.1	78,900*	62.5	245.8	88,000*	67.5	248.6	84,000													65
70	55.6	239.8	72,600*	59.2	242.9	80,200	64.3	246.3	76,300													70
75	52.0	236.0	67,000*	55.8	239.6	73,400	61.1	243.7	69,800	66.1	246.4	66,300										75
80	48.3	231.8	61,700*	52.2	235.9	67,500	57.7	240.6	64,300	62.9	243.9	61,000										80
85	44.3	226.9	56,900*	48.5	231.6	62,500	54.2	237.2	59,400	59.6	241.1	56,400										85
90	39.9	221.2	52,800*	44.4	226.7	58,000	50.6	233.2	55,200	56.2	237.8	52,400										90
95	35.1	214.5	49,200*	40.1	221.1	54,100	46.7	228.7	51,400	52.6	234.2	48,800	61.4	239.6	44,400							95
100	29.7	206.4	46,300*	35.4	214.5	50,600	42.6	223.5	48,100	48.9	230.0	45,600	58.1	236.6	41,400							100
105	23.1	196.0	44,000*	29.9	206.4	47,500	38.1	217.5	45,100	44.9	225.2	42,700	54.6	233.2	38,800							105
110	13.6	180.2	42,900*	23.4	196.2	44,600	33.1	210.3	42,400	40.6	219.6	40,200	50.9	229.3	36,500							110
115				14.1	180.8	42,000	27.3	201.4	39,900	35.9	213.1	37,800	47.1	224.8	34,300	56.3	230.8	30,800				115
120							19.9	189.5	37,700	30.6	205.3	35,700	43.0	219.7	32,400	52.7	227.1	29,100				120
125							6.6	167.0	35,500	24.2	195.3	33,700	38.6	213.8	30,600	49.0	223.0	27,400				125
130										15.4	180.9	31,900	33.6	206.7	28,900	45.0	218.2	25,900				130
135													27.9	198.1	27,400	40.8	212.7	24,500	50.5	219.5	21,700	135
140													20.7	186.6	25,900	36.1	206.2	23,200	46.7	215.0	20,500	140
145													8.9	166.6	24,500	30.8	198.4	22,000	42.5	209.8	19,400	145
150																24.4	188.5	20,900	38.0	203.7	18,400	150
155																15.8	174.3	19,800	33.0	196.5	17,500	155
160																			27.2	187.6	16,600	160
165																			19.7	175.7	15,700	165
170																			6.1	152.5	14,800	170

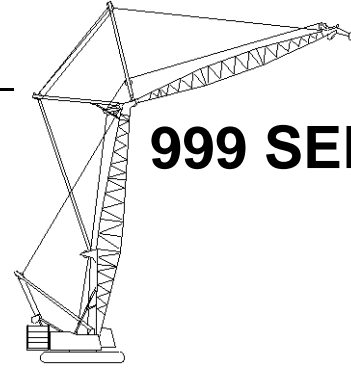


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



150 Ft. Boom, 110 Ft. Jib

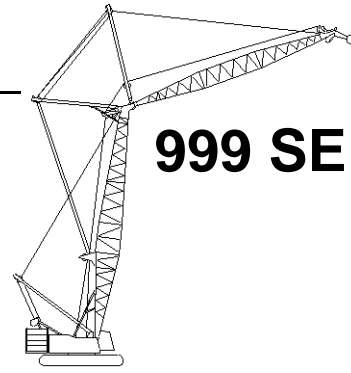
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.5	263.1	84,700*b																			45
50	70.7	261.4	83,200*b	73.6	262.8	100,800*b																50
55	67.9	259.4	79,700*	70.9	261.1	95,500*b																55
60	65.1	257.2	77,400*	68.1	259.2	89,200																60
65	62.2	254.6	75,200*	65.2	257.0	80,100	69.6	259.4	74,600													65
70	59.1	251.8	70,400*	62.3	254.4	72,500	66.8	257.4	67,500													70
75	56.0	248.5	65,000*	59.3	251.5	66,100	63.9	255.0	61,400													75
80	52.8	244.8	60,200*	56.2	248.3	60,600	61.0	252.3	56,300	65.5	255.1	52,000										80
85	49.4	240.7	55,800*	53.0	244.7	55,800	57.9	249.3	51,800	62.6	252.6	47,800										85
90	45.9	236.0	51,600*	49.6	240.5	51,600	54.8	245.9	47,800	59.6	249.7	44,100										90
95	42.1	230.7	47,900*	46.0	235.9	47,900	51.5	242.0	44,300	56.5	246.5	40,800										95
100	38.0	224.6	44,700*	42.3	230.6	44,600	48.1	237.7	41,200	53.3	242.9	37,900	61.3	248.3	32,400							100
105	33.4	217.5	42,000*	38.2	224.6	41,600	44.4	232.8	38,500	50.0	238.9	35,300	58.2	245.3	30,100							105
110	28.2	208.9	39,700*	33.6	217.5	38,900	40.5	227.2	36,000	46.4	234.3	33,000	55.1	241.9	28,100							110
115	21.9	197.9	38,000*	28.5	209.0	36,500	36.2	220.7	33,700	42.7	229.1	30,900	51.8	238.1	26,200							115
120	12.9	181.3	35,900	22.3	198.1	34,200	31.5	213.1	31,600	38.6	223.1	28,900	48.4	233.9	24,500	56.6	239.5	20,100				120
125				13.4	181.9	32,100	25.9	203.7	29,700	34.2	216.2	27,100	44.8	229.0	22,900	53.4	235.9	18,700				125
130							18.9	191.2	27,900	29.1	207.9	25,500	40.9	223.5	21,400	50.1	231.9	17,400				130
135							6.3	167.5	26,100	23.0	197.3	23,900	36.7	217.1	20,100	46.6	227.3	16,300				135
140										14.7	182.1	22,400	32.0	209.6	18,800	42.8	222.1	15,200	51.4	228.4	11,600	140
145													26.5	200.4	17,700	38.8	216.2	14,200	48.0	224.0	10,800	145
150													19.7	188.3	16,500	34.3	209.3	13,200	44.3	219.1	9,900	150
155													8.4	167.3	15,400	29.3	201.0	12,300	40.4	213.5	9,200	155
160																23.2	190.6	11,500	36.2	207.0	8,500	160
165																15.0	175.6	10,600	31.4	199.3	7,800	165
170																			25.8	189.9	7,100	170
175																			18.8	177.3	6,500	175
180																			5.8	153.0	5,800	180



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 120 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.9	273.5	78,100*																			45
50	72.4	272.0	76,100*																			50
55	69.9	270.2	74,100*	72.5	271.7	91,800*																55
60	67.3	268.2	72,000*	70.0	269.9	87,400*																60
65	64.7	265.9	70,900*	67.4	267.9	79,500																65
70	62.0	263.3	68,000*	64.8	265.6	71,900	68.9	268.2	66,800													70
75	59.2	260.4	63,100*	62.1	263.1	65,500	66.3	266.1	60,700													75
80	56.4	257.2	58,500*	59.3	260.2	60,000	63.6	263.7	55,600	67.7	266.0	51,200										80
85	53.4	253.6	54,300*	56.5	257.0	55,200	60.9	261.0	51,100	65.1	263.8	47,000										85
90	50.4	249.6	50,600*	53.6	253.4	51,000	58.1	258.0	47,200	62.4	261.2	43,300										90
95	47.2	245.1	47,100*	50.5	249.4	47,300	55.2	254.6	43,700	59.7	258.4	40,100										95
100	43.8	240.1	43,700*	47.3	245.0	44,000	52.3	250.9	40,600	56.8	255.2	37,200										100
105	40.2	234.4	40,900*	43.9	240.0	41,100	49.1	246.7	37,900	53.9	251.7	34,600	61.2	257.0	29,300							105
110	36.3	227.9	38,400*	40.3	234.3	38,400	45.9	242.0	35,400	50.9	247.7	32,300	58.4	254.0	27,300							110
115	31.9	220.4	36,200*	36.5	227.9	36,000	42.4	236.7	33,100	47.7	243.4	30,200	55.5	250.6	25,400							115
120	27.0	211.3	34,400*	32.1	220.4	33,800	38.7	230.7	31,000	44.3	238.4	28,300	52.5	246.9	23,700							120
125	21.0	199.7	33,100*	27.2	211.4	31,800	34.6	223.9	29,100	40.8	232.9	26,500	49.4	242.8	22,200	56.9	248.2	17,900				125
130	12.3	182.3	31,500	21.3	200.0	29,900	30.1	215.8	27,400	36.9	226.5	24,900	46.2	238.2	20,700	54.0	244.7	16,600				130
135				12.8	183.0	28,100	24.8	205.9	25,800	32.6	219.1	23,400	42.7	233.0	19,400	51.0	240.7	15,500				135
140							18.1	192.7	24,200	27.8	210.3	22,000	39.1	227.1	18,200	47.8	236.3	14,400				140
145							6.0	167.9	22,700	22.0	199.3	20,700	35.0	220.3	17,000	44.4	231.4	13,400	52.2	237.2	9,900	145
150										14.0	183.3	19,400	30.5	212.3	16,000	40.9	225.9	12,500	49.1	233.0	9,100	150
155													25.3	202.7	14,900	37.0	219.6	11,600	45.8	228.3	8,400	155
160													18.8	189.9	14,000	32.8	212.2	10,800	42.3	223.0	7,700	160
165													8.0	167.9	13,000	28.0	203.5	10,000	38.6	217.0	7,000	165
170																22.2	192.5	9,300	34.6	210.1	6,400	170
175																14.3	176.8	8,500	30.0	202.0	5,800	175
180																			24.7	192.1	5,200	180
185																			17.9	178.9	4,600	185
190																			5.5	153.4	4,000	190

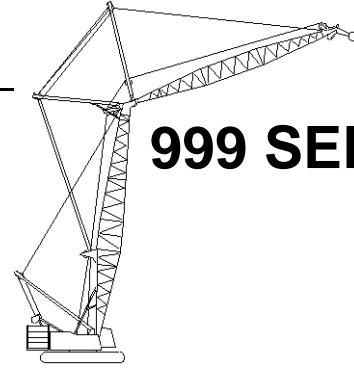


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



150 Ft. Boom, 130 Ft. Jib

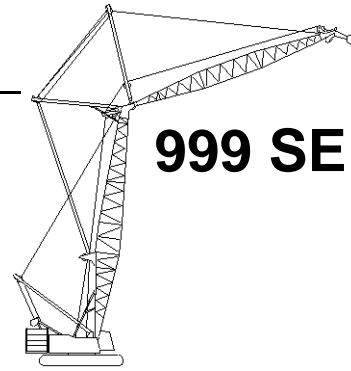
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	73.8	282.5	71,400*																			50
55	71.5	280.8	68,800*	73.9	282.2	84,400*																55
60	69.1	279.0	67,100*	71.6	280.6	83,100*																60
65	66.7	276.9	66,200*	69.2	278.7	79,000																65
70	64.3	274.6	63,800*	66.9	276.7	71,400	70.6	278.9	66,300													70
75	61.8	272.0	61,500*	64.4	274.3	65,000	68.2	277.0	60,200													75
80	59.3	269.1	57,300*	61.9	271.7	59,500	65.8	274.8	55,100													80
85	56.7	265.9	53,400*	59.4	268.9	54,800	63.3	272.4	50,600	67.1	274.8	46,500										85
90	54.0	262.4	49,700*	56.8	265.7	50,600	60.8	269.6	46,700	64.7	272.5	42,800										90
95	51.2	258.4	46,500*	54.1	262.2	46,900	58.3	266.6	43,200	62.2	269.9	39,600										95
100	48.3	254.1	43,400*	51.3	258.3	43,600	55.6	263.3	40,200	59.7	267.1	36,700										100
105	45.2	249.3	40,500*	48.4	254.0	40,700	52.9	259.6	37,400	57.1	263.9	34,100										105
110	42.0	244.0	37,900*	45.3	249.2	38,000	50.0	255.6	34,900	54.4	260.4	31,800	61.1	265.6	26,700							110
115	38.5	237.9	35,600*	42.1	243.9	35,600	47.1	251.1	32,700	51.6	256.6	29,700	58.5	262.6	24,900							115
120	34.8	231.1	33,600*	38.7	237.9	33,400	44.0	246.1	30,600	48.7	252.3	27,800	55.9	259.3	23,200							120
125	30.6	223.1	31,800*	35.0	231.0	31,400	40.6	240.5	28,700	45.7	247.6	26,100	53.1	255.7	21,600							125
130	25.9	213.6	30,400*	30.8	223.1	29,600	37.1	234.1	27,000	42.5	242.3	24,400	50.3	251.7	20,200	57.2	256.9	16,100				130
135	20.1	201.5	29,300*	26.1	213.7	27,800	33.2	226.9	25,400	39.1	236.4	23,000	47.4	247.2	18,900	54.5	253.4	14,900				135
140	11.8	183.3	27,700	20.4	201.7	26,200	28.9	218.4	23,900	35.4	229.7	21,600	44.3	242.3	17,700	51.7	249.6	13,900				140
145				12.3	184.1	24,700	23.8	208.0	22,500	31.3	221.9	20,300	41.0	236.7	16,600	48.8	245.3	12,900				145
150							17.3	194.2	21,200	26.7	212.7	19,100	37.4	230.5	15,500	45.8	240.6	12,000	52.8	246.0	8,500	150
155							5.7	168.4	19,900	21.1	201.1	17,900	33.6	223.3	14,500	42.6	235.4	11,100	50.0	241.9	7,800	155
160										13.4	184.5	16,800	29.3	214.9	13,600	39.2	229.5	10,300	47.0	237.4	7,100	160
165													24.3	204.8	12,700	35.5	222.8	9,600	43.9	232.4	6,500	165
170													18.0	191.5	11,800	31.4	215.1	8,800	40.6	226.7	5,900	170
175													7.7	168.6	11,000	26.8	205.9	8,200	37.0	220.4	5,300	175
180																21.3	194.4	7,500	33.1	213.1	4,700	180
185																13.7	178.0	6,800	28.8	204.6	4,200	185



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 140 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.0	292.9	65,100*																			50
55	72.9	291.4	64,500*																			55
60	70.7	289.7	62,300*	72.9	291.1	76,700*																60
65	68.5	287.8	60,900*	70.8	289.4	75,400*																65
70	66.3	285.6	60,200*	68.6	287.5	70,800																70
75	64.0	283.3	58,800*	66.4	285.4	64,400	69.8	287.7	59,500													75
80	61.7	280.6	55,500*	64.1	283.0	58,900	67.6	285.7	54,400													80
85	59.3	277.7	51,900*	61.8	280.4	54,200	65.4	283.5	49,900													85
90	56.9	274.6	48,500*	59.4	277.5	50,000	63.1	281.0	46,000	66.6	283.5	42,100										90
95	54.4	271.1	45,400*	57.0	274.4	46,300	60.8	278.3	42,600	64.4	281.1	38,900										95
100	51.8	267.3	42,500*	54.5	270.9	43,100	58.4	275.3	39,500	62.1	278.6	36,000										100
105	49.2	263.1	39,800*	52.0	267.1	40,100	55.9	272.0	36,800	59.7	275.7	33,400										105
110	46.4	258.4	37,300*	49.3	262.9	37,500	53.4	268.4	34,300	57.3	272.6	31,100										110
115	43.5	253.3	35,000*	46.5	258.3	35,100	50.8	264.4	32,000	54.8	269.2	29,000	61.0	274.3	24,100							115
120	40.4	247.7	32,900*	43.6	253.2	32,900	48.1	260.1	30,000	52.2	265.4	27,100	58.6	271.3	22,400							120
125	37.0	241.3	31,000*	40.5	247.6	30,900	45.2	255.3	28,100	49.6	261.2	25,400	56.2	268.0	20,900							125
130	33.5	234.1	29,400*	37.2	241.2	29,000	42.3	249.9	26,400	46.8	256.7	23,800	53.7	264.5	19,500							130
135	29.5	225.7	28,000*	33.6	234.1	27,300	39.1	244.0	24,800	43.9	251.7	22,300	51.1	260.5	18,200	57.4	265.5	14,100				135
140	24.9	215.8	26,900*	29.7	225.8	25,800	35.7	237.3	23,400	40.9	246.1	20,900	48.4	256.2	17,000	54.9	262.1	13,000				140
145	19.4	203.2	25,800	25.1	215.9	24,300	31.9	229.7	22,000	37.6	239.8	19,700	45.5	251.5	15,800	52.3	258.4	12,100				145
150	11.3	184.3	24,300	19.6	203.5	22,900	27.8	220.8	20,700	34.0	232.8	18,500	42.6	246.2	14,800	49.7	254.2	11,200				150
155				11.8	185.1	21,600	22.9	210.0	19,500	30.1	224.6	17,400	39.4	240.3	13,800	46.9	249.7	10,300				155
160							16.7	195.7	18,300	25.7	215.0	16,300	36.0	233.7	12,900	44.0	244.7	9,600	50.8	250.8	6,300	160
165							5.5	168.8	17,200	20.3	202.9	15,300	32.3	226.2	12,100	41.0	239.1	8,800	48.0	246.4	5,600	165
170										12.9	185.6	14,300	28.2	217.5	11,200	37.7	232.9	8,100	45.2	241.6	5,100	170
175													23.4	206.9	10,500	34.2	225.9	7,400	42.2	236.2	4,500	175
180													17.4	193.0	9,700	30.3	217.8	6,800	39.0	230.3	4,000	180
185													7.4	169.2	8,900	25.8	208.2	6,200				185
190																20.5	196.2	5,600				190
195																13.2	179.1	5,000				195

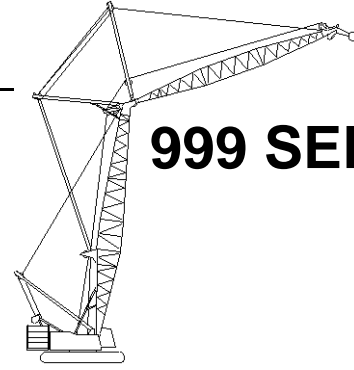


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



150 Ft. Boom, 150 Ft. Jib

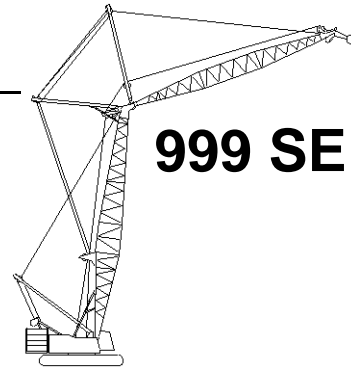
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	76.0	303.2	60,200*																50
55	74.0	301.8	59,700*																55
60	72.0	300.3	58,500*																60
65	70.0	298.5	57,300*	72.1	300.0	69,700*													65
70	67.9	296.5	56,100*	70.1	298.2	68,700*													70
75	65.9	294.3	54,300*	68.0	296.3	64,200													75
80	63.7	291.9	53,200*	66.0	294.1	58,700	69.2	296.5	54,100										80
85	61.6	289.3	50,400*	63.8	291.7	54,000	67.1	294.5	49,700										85
90	59.4	286.4	47,300*	61.7	289.1	49,800	65.0	292.2	45,800										90
95	57.1	283.3	44,300*	59.5	286.2	46,100	62.9	289.7	42,300	66.2	292.2	38,600							95
100	54.8	279.8	41,600*	57.2	283.0	42,800	60.7	287.0	39,300	64.1	289.8	35,700							100
105	52.4	276.1	39,000*	54.9	279.6	39,900	58.5	284.0	36,500	61.9	287.2	33,200							105
110	49.9	272.0	36,700*	52.5	275.9	37,300	56.2	280.7	34,100	59.7	284.4	30,900							110
115	47.4	267.5	34,500*	50.1	271.8	34,900	53.9	277.2	31,800	57.5	281.3	28,800							115
120	44.7	262.6	32,500*	47.5	267.3	32,700	51.5	273.3	29,800	55.2	277.9	26,900	60.9	282.9	22,100				120
125	41.9	257.2	30,600*	44.8	262.5	30,700	48.9	269.0	27,900	52.8	274.2	25,200	58.7	280.0	20,600				125
130	38.9	251.2	28,900*	42.0	257.1	28,900	46.3	264.4	26,200	50.3	270.1	23,600	56.4	276.7	19,200				130
135	35.7	244.5	27,400*	39.1	251.1	27,200	43.6	259.3	24,600	47.8	265.7	22,100	54.1	273.2	17,900				135
140	32.3	237.0	26,000*	35.9	244.5	25,600	40.7	253.7	23,200	45.1	260.9	20,700	51.7	269.4	16,700	57.5	274.2	12,800	140
145	28.4	228.3	24,900*	32.4	237.0	24,200	37.7	247.5	21,800	42.3	255.6	19,500	49.2	265.2	15,600	55.2	270.8	11,800	145
150	24.0	217.9	24,000*	28.6	228.3	22,800	34.4	240.5	20,500	39.4	249.7	18,300	46.6	260.6	14,600	52.9	267.1	10,900	150
155	18.7	204.8	22,900	24.3	218.1	21,500	30.8	232.5	19,400	36.2	243.1	17,200	43.9	255.5	13,600	50.4	263.1	10,100	155
160	10.9	185.2	21,600	18.9	205.1	20,300	26.8	223.2	18,200	32.8	235.7	16,200	41.0	250.0	12,700	47.9	258.7	9,300	160
165				11.4	186.0	19,100	22.1	211.9	17,200	29.1	227.2	15,200	38.0	243.8	11,900	45.2	253.9	8,600	165
170							16.1	197.1	16,200	24.8	217.2	14,300	34.7	236.9	11,100	42.4	248.6	7,900	170
175							5.3	169.2	15,100	19.6	204.6	13,400	31.2	229.0	10,300	39.5	242.7	7,200	175
180										12.5	186.6	12,500	27.2	219.9	9,600	36.3	236.2	6,600	180
185													22.6	208.8	8,900	32.9	228.8	6,000	185
190													16.8	194.5	8,200	29.2	220.4	5,500	190
195													7.1	169.8	7,500	24.9	210.4	4,900	195
200																19.8	197.9	4,400	200



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 160 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.1	312.2	55,200*																55
60	73.2	310.8	54,200*																60
65	71.3	309.1	52,600*	73.3	310.5	63,800*													65
70	69.4	307.3	51,600*	71.4	308.8	63,500*													70
75	67.5	305.3	51,100*	69.5	307.0	62,600*													75
80	65.5	303.0	49,600*	67.6	305.0	58,100	70.6	307.2	53,500										80
85	63.5	300.6	48,600*	65.6	302.8	53,400	68.6	305.3	49,000										85
90	61.5	298.0	45,800*	63.6	300.4	49,200	66.7	303.2	45,100										90
95	59.4	295.1	43,200*	61.6	297.7	45,500	64.7	300.9	41,700	67.8	303.1	37,900							95
100	57.3	291.9	40,600*	59.5	294.9	42,300	62.7	298.4	38,600	65.8	300.9	35,000							100
105	55.1	288.5	38,200*	57.4	291.7	39,300	60.7	295.6	35,900	63.8	298.5	32,500							105
110	52.9	284.8	36,000*	55.2	288.3	36,700	58.6	292.6	33,400	61.8	295.9	30,200							110
115	50.6	280.8	33,900*	53.0	284.7	34,300	56.5	289.4	31,200	59.7	293.0	28,100							115
120	48.2	276.5	32,000*	50.7	280.7	32,100	54.3	285.9	29,200	57.6	289.9	26,200	62.9	294.3	21,400				120
125	45.8	271.7	30,200*	48.4	276.3	30,100	52.0	282.1	27,300	55.5	286.6	24,500	60.9	291.6	19,800				125
130	43.2	266.6	28,500*	45.9	271.6	28,300	49.7	277.9	25,600	53.3	282.9	22,900	58.8	288.6	18,500				130
135	40.5	260.9	26,900*	43.3	266.5	26,600	47.3	273.4	24,000	51.0	279.0	21,400	56.7	285.4	17,200				135
140	37.6	254.6	25,500*	40.6	260.8	25,100	44.8	268.5	22,600	48.6	274.7	20,100	54.5	281.9	16,000				140
145	34.5	247.7	24,300*	37.8	254.6	23,600	42.2	263.2	21,200	46.2	270.0	18,800	52.2	278.2	14,900	57.7	282.9	11,000	145
150	31.2	239.8	23,200*	34.7	247.6	22,300	39.4	257.3	20,000	43.6	264.9	17,700	49.9	274.1	13,900	55.5	279.5	10,100	150
155	27.5	230.7	22,200*	31.4	239.8	21,000	36.4	250.8	18,800	40.9	259.3	16,600	47.5	269.6	12,900	53.3	275.9	9,300	155
160	23.3	220.0	21,300	27.7	230.8	19,800	33.3	243.4	17,700	38.1	253.2	15,600	45.0	264.7	12,000	51.1	272.0	8,500	160
165	18.1	206.4	20,100	23.5	220.1	18,700	29.8	235.2	16,700	35.0	246.3	14,600	42.4	259.4	11,200	48.7	267.7	7,800	165
170	10.6	186.1	18,900	18.3	206.7	17,600	25.9	225.5	15,700	31.7	238.6	13,700	39.7	253.6	10,400	46.2	263.0	7,100	170
175				11.0	187.0	16,600	21.4	213.8	14,700	28.1	229.7	12,800	36.7	247.1	9,600	43.7	257.9	6,500	175
180							15.6	198.4	13,800	24.0	219.3	12,000	33.6	239.9	8,900	41.0	252.4	5,900	180
185							5.1	169.6	12,900	19.0	206.3	11,200	30.1	231.7	8,300	38.2	246.2	5,300	185
190										12.1	187.7	10,500	26.3	222.2	7,600	35.1	239.4	4,800	190
195													21.8	210.8	7,000	31.9	231.7	4,300	195
200													16.2	195.9	6,400				200
205													6.9	170.3	5,800				205

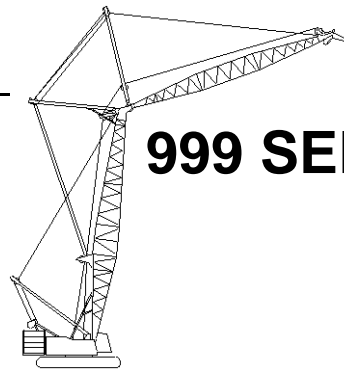


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



150 Ft. Boom, 170 Ft. Jib

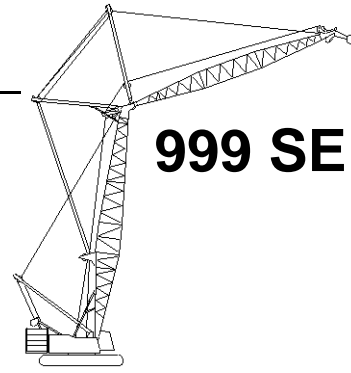
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	76.0	322.6	50,900*																55
60	74.2	321.2	50,100*																60
65	72.4	319.7	49,200*																65
70	70.7	318.0	48,300*	72.5	319.4	57,900*													70
75	68.9	316.1	47,000*	70.7	317.7	57,600*													75
80	67.0	314.0	46,100*	68.9	315.8	57,000*													80
85	65.2	311.7	45,700*	67.1	313.8	52,900	70.0	316.0	48,500										85
90	63.3	309.3	44,500*	65.3	311.5	48,700	68.1	314.1	44,600										90
95	61.4	306.6	42,200*	63.4	309.0	45,100	66.3	311.9	41,200										95
100	59.5	303.7	39,900*	61.5	306.4	41,800	64.4	309.6	38,100	67.3	311.8	34,500							100
105	57.5	300.6	37,700*	59.5	303.5	38,900	62.6	307.0	35,400	65.5	309.6	31,900							105
110	55.4	297.2	35,600*	57.6	300.4	36,200	60.6	304.3	32,900	63.6	307.2	29,700							110
115	53.3	293.6	33,600*	55.5	297.0	33,800	58.7	301.3	30,700	61.7	304.5	27,600							115
120	51.2	289.7	31,700*	53.4	293.4	31,700	56.7	298.1	28,700	59.8	301.7	25,700							120
125	49.0	285.4	30,000*	51.3	289.5	29,700	54.6	294.6	26,800	57.8	298.6	24,000	62.7	303.0	19,300				125
130	46.7	280.8	28,400*	49.1	285.3	27,900	52.5	290.9	25,100	55.8	295.3	22,400	60.8	300.3	17,900				130
135	44.3	275.8	26,800*	46.8	280.7	26,200	50.3	286.8	23,600	53.7	291.7	20,900	58.9	297.3	16,600				135
140	41.8	270.4	25,500*	44.4	275.7	24,600	48.1	282.4	22,100	51.5	287.8	19,600	56.9	294.1	15,400				140
145	39.2	264.5	24,100*	42.0	270.3	23,200	45.8	277.7	20,800	49.3	283.6	18,300	54.8	290.7	14,300				145
150	36.4	257.9	22,900*	39.3	264.4	21,900	43.4	272.5	19,500	47.1	279.1	17,200	52.7	286.9	13,300	57.8	291.6	9,600	150
155	33.5	250.7	21,900*	36.6	257.9	20,600	40.8	266.9	18,300	44.7	274.1	16,100	50.6	282.9	12,400	55.8	288.2	8,700	155
160	30.2	242.5	20,900	33.6	250.7	19,400	38.1	260.8	17,300	42.2	268.8	15,100	48.3	278.6	11,500	53.7	284.7	8,000	160
165	26.7	233.1	19,700	30.4	242.5	18,300	35.3	253.9	16,200	39.6	262.9	14,100	46.0	273.9	10,700	51.6	280.8	7,300	165
170	22.5	221.9	18,600	26.8	233.2	17,300	32.2	246.3	15,300	36.9	256.5	13,200	43.6	268.8	9,900	49.4	276.6	6,600	170
175	17.5	207.9	17,600	22.7	222.1	16,300	28.9	237.7	14,300	34.0	249.4	12,400	41.1	263.2	9,100	47.1	272.1	6,000	175
180	10.3	187.0	16,600	17.8	208.3	15,300	25.1	227.7	13,500	30.8	241.3	11,600	38.4	257.1	8,400	44.8	267.2	5,400	180
185				10.7	187.9	14,400	20.7	215.6	12,600	27.2	232.1	10,800	35.6	250.3	7,800	42.3	261.8	4,800	185
190							15.1	199.7	11,800	23.2	221.3	10,100	32.5	242.8	7,200	39.7	256.0	4,300	190
195							4.9	170.0	11,000	18.4	207.9	9,400	29.2	234.3	6,600				195
200										11.7	188.7	8,700	25.5	224.5	6,000				200
205													21.2	212.6	5,400				205
210													15.7	197.2	4,900				210
215													6.7	170.9	4,300				215



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 180 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.1	331.6	46,200*																60
65	73.4	330.2	45,500*																65
70	71.8	328.6	44,400*	73.5	329.9	52,900*													70
75	70.1	326.8	44,000*	71.9	328.3	52,700*													75
80	68.4	324.8	43,300*	70.2	326.5	52,400*													80
85	66.7	322.7	42,600*	68.5	324.6	52,000*													85
90	64.9	320.4	41,800*	66.7	322.5	48,100	69.4	324.8	43,900										90
95	63.1	318.0	40,700*	65.0	320.2	44,500	67.7	322.8	40,500										95
100	61.3	315.3	38,700*	63.2	317.7	41,200	66.0	320.6	37,500										100
105	59.5	312.4	36,600*	61.4	315.1	38,300	64.2	318.3	34,700	66.9	320.6	31,200							105
110	57.6	309.3	34,700*	59.6	312.2	35,600	62.4	315.7	32,300	65.2	318.3	28,900							110
115	55.7	305.9	32,800*	57.7	309.1	33,300	60.6	312.9	30,100	63.4	315.9	26,900							115
120	53.7	302.3	31,100*	55.8	305.7	31,100	58.7	310.0	28,000	61.6	313.2	25,000							120
125	51.7	298.5	29,400*	53.8	302.2	29,100	56.9	306.8	26,200	59.8	310.4	23,300							125
130	49.7	294.3	27,800*	51.8	298.3	27,300	54.9	303.3	24,500	57.9	307.3	21,700	62.6	311.7	17,100				130
135	47.5	289.9	26,400*	49.7	294.2	25,600	52.9	299.6	22,900	56.0	304.0	20,300	60.8	308.9	15,900				135
140	45.3	285.0	25,100*	47.6	289.7	24,100	50.9	295.7	21,500	54.0	300.4	18,900	58.9	306.0	14,700				140
145	43.0	279.8	23,800*	45.4	284.9	22,600	48.8	291.4	20,200	52.0	296.6	17,700	57.0	302.8	13,600				145
150	40.6	274.1	22,700*	43.1	279.7	21,300	46.7	286.8	18,900	50.0	292.5	16,500	55.1	299.4	12,600				150
155	38.1	267.9	21,500*	40.7	274.0	20,100	44.4	281.8	17,700	47.9	288.1	15,400	53.1	295.7	11,700	58.0	300.2	7,900	155
160	35.4	261.1	20,400	38.2	267.9	18,900	42.1	276.4	16,700	45.7	283.3	14,400	51.1	291.8	10,800	56.1	296.9	7,200	160
165	32.5	253.6	19,200	35.5	261.1	17,800	39.6	270.5	15,600	43.4	278.1	13,500	49.0	287.5	10,000	54.1	293.4	6,500	165
170	29.4	245.1	18,200	32.6	253.6	16,800	37.0	264.1	14,700	41.0	272.5	12,600	46.9	282.9	9,200	52.1	289.6	5,800	170
175	25.9	235.4	17,100	29.5	245.2	15,800	34.3	257.0	13,800	38.5	266.4	11,800	44.6	278.0	8,400	50.0	285.5	5,200	175
180	21.9	223.9	16,200	26.0	235.5	14,900	31.3	249.1	12,900	35.8	259.7	11,000	42.3	272.6	7,800	47.9	281.1	4,600	180
185	17.0	209.4	15,200	22.1	224.1	14,000	28.0	240.2	12,100	33.0	252.3	10,200	39.9	266.8	7,100	45.7	276.3	4,000	185
190	9.9	187.8	14,300	17.2	209.8	13,100	24.4	229.9	11,300	29.9	244.0	9,500	37.3	260.5	6,500				190
195				10.4	188.8	12,300	20.1	217.4	10,600	26.4	234.5	8,800	34.5	253.5	5,900				195
200							14.6	201.0	9,900	22.5	223.3	8,200	31.6	245.6	5,300				200
205							4.8	170.4	9,100	17.8	209.4	7,500	28.4	236.8	4,800				205
210										11.3	189.6	6,900	24.8	226.7	4,300				210

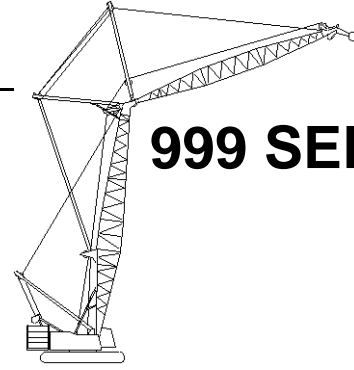


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



150 Ft. Boom, 190 Ft. Jib

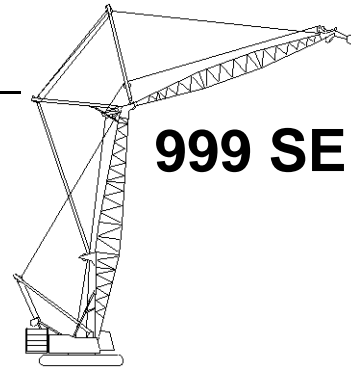
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.9	341.9	42,600*													60
65	74.3	340.6	42,100*													65
70	72.8	339.1	41,500*													70
75	71.2	337.4	40,900*	72.8	338.8	48,200*										75
80	69.6	335.6	40,200*	71.3	337.1	47,900*										80
85	68.0	333.6	39,600*	69.6	335.3	47,700*										85
90	66.3	331.5	38,700*	68.0	333.3	47,400*	70.5	335.5	43,600							90
95	64.6	329.1	38,100*	66.4	331.2	44,200	68.9	333.6	40,200							95
100	63.0	326.6	37,400*	64.7	328.9	40,900	67.3	331.6	37,200							100
105	61.3	323.9	35,500*	63.0	326.4	38,000	65.7	329.3	34,400							105
110	59.5	321.1	33,700*	61.3	323.7	35,400	64.0	326.9	32,000	66.6	329.3	28,600				110
115	57.7	318.0	32,000*	59.6	320.8	33,000	62.3	324.4	29,800	64.9	327.0	26,600				115
120	55.9	314.6	30,400*	57.8	317.7	30,800	60.6	321.6	27,700	63.2	324.5	24,700				120
125	54.1	311.1	28,800*	56.0	314.4	28,800	58.8	318.6	25,900	61.5	321.9	23,000				125
130	52.2	307.3	27,400*	54.2	310.9	27,000	57.0	315.5	24,200	59.8	319.0	21,400				130
135	50.2	303.2	26,000*	52.3	307.1	25,300	55.2	312.0	22,600	58.0	316.0	20,000	62.5	320.3	15,600	135
140	48.2	298.8	24,600*	50.3	303.0	23,800	53.3	308.4	21,200	56.2	312.7	18,600	60.7	317.6	14,400	140
145	46.2	294.1	23,500*	48.3	298.7	22,400	51.4	304.5	19,900	54.4	309.2	17,400	59.0	314.6	13,300	145
150	44.0	289.1	22,300*	46.3	294.0	21,000	49.5	300.3	18,600	52.5	305.4	16,200	57.2	311.5	12,300	150
155	41.8	283.6	21,300*	44.1	289.0	19,800	47.4	295.8	17,500	50.5	301.4	15,200	55.4	308.1	11,400	155
160	39.5	277.7	20,100	41.9	283.5	18,600	45.3	291.0	16,400	48.6	297.0	14,200	53.5	304.5	10,500	160
165	37.0	271.3	19,000	39.6	277.7	17,500	43.2	285.8	15,400	46.5	292.4	13,200	51.6	300.6	9,700	165
170	34.4	264.2	17,900	37.1	271.2	16,500	40.9	280.2	14,400	44.4	287.4	12,300	49.6	296.4	8,900	170
175	31.6	256.4	16,900	34.5	264.2	15,500	38.5	274.0	13,500	42.1	282.0	11,500	47.6	292.0	8,200	175
180	28.5	247.6	15,900	31.7	256.4	14,600	36.0	267.4	12,700	39.8	276.2	10,700	45.5	287.2	7,500	180
185	25.2	237.6	15,000	28.7	247.7	13,800	33.3	260.0	11,900	37.4	269.8	10,000	43.4	282.0	6,800	185
190	21.3	225.7	14,200	25.3	237.7	12,900	30.4	251.9	11,100	34.8	262.9	9,300	41.1	276.4	6,200	190
195	16.5	210.8	13,300	21.5	226.0	12,200	27.3	242.6	10,400	32.0	255.2	8,600	38.7	270.4	5,600	195
200	9.7	188.6	12,500	16.8	211.2	11,400	23.7	232.0	9,700	29.0	246.6	7,900	36.2	263.7	5,100	200
205				10.1	189.6	10,600	19.5	219.1	9,000	25.7	236.8	7,300	33.6	256.5	4,500	205
210							14.2	202.2	8,400	21.9	225.2	6,700	30.7	248.4	4,000	210
215							4.6	170.8	7,700	17.4	210.9	6,200				215
220										11.0	190.6	5,600				220



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.1	351.0	38,800*													65
70	73.7	349.5	38,400*													70
75	72.2	348.0	37,900*	73.7	349.3	44,000*										75
80	70.6	346.2	37,300*	72.2	347.7	43,700*										80
85	69.1	344.4	36,800*	70.7	346.0	43,500*										85
90	67.6	342.4	36,200*	69.2	344.1	43,300*										90
95	66.0	340.2	35,700*	67.6	342.1	43,000*	70.0	344.3	39,500							95
100	64.4	337.8	34,900*	66.1	339.9	40,300	68.5	342.4	36,500							100
105	62.8	335.3	34,300*	64.5	337.6	37,400	67.0	340.3	33,800							105
110	61.2	332.6	32,700*	62.9	335.1	34,800	65.4	338.0	31,300	67.8	340.2	27,900				110
115	59.5	329.7	31,100*	61.3	332.4	32,400	63.8	335.6	29,100	66.2	338.0	25,900				115
120	57.9	326.6	29,600*	59.6	329.5	30,200	62.2	333.0	27,100	64.7	335.7	24,000				120
125	56.1	323.3	28,100*	57.9	326.4	28,300	60.5	330.3	25,300	63.1	333.2	22,300				125
130	54.4	319.8	26,800*	56.2	323.1	26,500	58.9	327.3	23,600	61.4	330.5	20,700				130
135	52.6	316.1	25,500*	54.5	319.6	24,800	57.2	324.1	22,000	59.8	327.7	19,300				135
140	50.8	312.1	24,200*	52.7	315.9	23,200	55.5	320.8	20,600	58.1	324.6	18,000	62.3	329.0	13,600	140
145	48.9	307.8	23,000*	50.8	311.9	21,800	53.7	317.1	19,300	56.4	321.4	16,700	60.7	326.2	12,600	145
150	46.9	303.2	21,900*	49.0	307.6	20,500	51.9	313.3	18,000	54.7	317.9	15,600	59.0	323.3	11,600	150
155	44.9	298.3	20,800	47.0	303.1	19,200	50.0	309.2	16,900	52.9	314.2	14,500	57.3	320.1	10,600	155
160	42.8	293.0	19,600	45.0	298.2	18,100	48.1	304.8	15,800	51.0	310.2	13,500	55.6	316.8	9,800	160
165	40.7	287.4	18,500	42.9	292.9	17,000	46.1	300.1	14,800	49.2	306.0	12,600	53.9	313.2	9,000	165
170	38.4	281.2	17,400	40.8	287.3	16,000	44.1	295.1	13,800	47.2	301.4	11,700	52.1	309.4	8,200	170
175	36.0	274.6	16,400	38.5	281.2	15,000	42.0	289.6	12,900	45.2	296.6	10,900	50.2	305.3	7,500	175
180	33.5	267.3	15,400	36.1	274.5	14,100	39.8	283.8	12,100	43.2	291.4	10,100	48.3	300.9	6,800	180
185	30.8	259.2	14,500	33.6	267.2	13,200	37.5	277.4	11,300	41.0	285.8	9,400	46.3	296.3	6,200	185
190	27.8	250.1	13,700	30.9	259.2	12,400	35.0	270.5	10,500	38.8	279.7	8,700	44.3	291.3	5,500	190
195	24.5	239.8	12,900	27.9	250.2	11,700	32.4	262.9	9,800	36.4	273.1	8,000	42.2	285.9	5,000	195
200	20.7	227.5	12,100	24.7	239.9	10,900	29.6	254.5	9,100	33.9	265.9	7,400	40.0	280.1	4,400	200
205	16.1	212.2	11,300	20.9	227.8	10,200	26.5	245.0	8,500	31.2	258.0	6,800				205
210	9.4	189.4	10,600	16.3	212.6	9,500	23.1	234.0	7,900	28.3	249.1	6,200				210
215				9.8	190.5	8,800	19.0	220.8	7,200	25.0	239.0	5,600				215
220							13.9	203.4	6,600	21.4	227.1	5,100				220
225							4.5	171.1	6,000	16.9	212.4	4,600				225
230										10.7	191.5	4,000				230

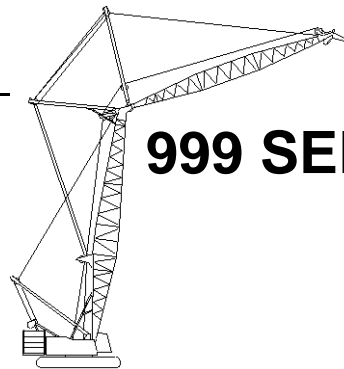


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



150 Ft. Boom, 210 Ft. Jib

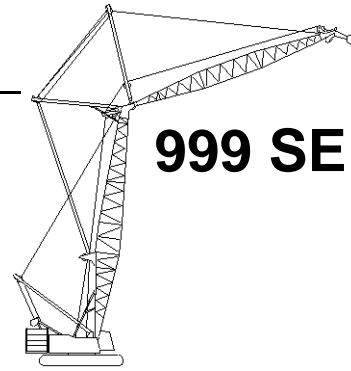
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
	65	75.9	361.3	35,600*												
70	74.5	360.0	35,300*													70
75	73.0	358.5	35,100*													75
80	71.6	356.8	34,600*	73.1	358.2	40,000*										80
85	70.2	355.1	34,100*	71.7	356.6	39,800*										85
90	68.7	353.2	33,600*	70.2	354.8	39,500*										90
95	67.2	351.1	33,200*	68.8	352.9	39,300*	71.0	354.9	38,200*							95
100	65.7	348.9	32,700*	67.3	350.8	39,000*	69.6	353.1	36,000							100
105	64.2	346.5	32,200*	65.8	348.6	36,900	68.1	351.1	33,300							105
110	62.7	344.0	31,500*	64.3	346.3	34,300	66.6	349.0	30,800							110
115	61.1	341.3	30,100*	62.8	343.7	31,900	65.1	346.7	28,600	67.4	348.9	25,300				115
120	59.6	338.4	28,800*	61.2	341.0	29,800	63.6	344.3	26,600	66.0	346.7	23,500				120
125	58.0	335.3	27,400*	59.6	338.2	27,800	62.1	341.7	24,800	64.5	344.4	21,800				125
130	56.3	332.0	26,200*	58.0	335.1	26,000	60.5	338.9	23,100	62.9	341.9	20,200				130
135	54.7	328.5	24,900*	56.4	331.8	24,300	58.9	336.0	21,500	61.4	339.2	18,800				135
140	53.0	324.8	23,800*	54.7	328.4	22,800	57.3	332.8	20,100	59.8	336.3	17,400				140
145	51.2	320.9	22,700*	53.0	324.7	21,300	55.7	329.5	18,800	58.2	333.3	16,200	62.2	337.7	12,000	145
150	49.4	316.7	21,600*	51.3	320.7	20,000	54.0	325.9	17,500	56.6	330.1	15,100	60.7	334.9	11,000	150
155	47.6	312.2	20,400	49.5	316.5	18,800	52.3	322.1	16,400	54.9	326.6	14,000	59.1	332.0	10,100	155
160	45.7	307.5	19,200	47.7	312.1	17,600	50.5	318.1	15,300	53.2	322.9	13,000	57.5	328.8	9,200	160
165	43.8	302.3	18,000	45.8	307.3	16,500	48.7	313.7	14,300	51.5	319.0	12,100	55.8	325.5	8,400	165
170	41.8	296.9	17,000	43.9	302.2	15,500	46.9	309.2	13,300	49.7	314.9	11,200	54.2	321.9	7,600	170
175	39.6	291.0	16,000	41.8	296.8	14,600	45.0	304.3	12,500	47.9	310.4	10,400	52.5	318.2	6,900	175
180	37.4	284.6	15,000	39.7	290.9	13,600	43.0	299.0	11,600	46.0	305.7	9,600	50.7	314.2	6,300	180
185	35.1	277.7	14,100	37.5	284.6	12,800	40.9	293.4	10,800	44.1	300.7	8,900	48.9	309.9	5,600	185
190	32.6	270.2	13,300	35.2	277.7	12,000	38.8	287.3	10,100	42.1	295.3	8,200	47.1	305.3	5,000	190
195	30.0	261.9	12,500	32.8	270.2	11,200	36.5	280.8	9,400	40.0	289.4	7,500	45.2	300.4	4,400	195
200	27.1	252.5	11,700	30.1	261.9	10,500	34.2	273.6	8,700	37.8	283.2	6,900				200
205	23.9	241.9	11,000	27.2	252.6	9,800	31.6	265.8	8,000	35.5	276.3	6,300				205
210	20.2	229.3	10,200	24.1	242.0	9,100	28.9	257.1	7,400	33.0	268.9	5,700				210
215	15.7	213.6	9,600	20.4	229.6	8,500	25.9	247.3	6,800	30.4	260.7	5,200				215
220	9.2	190.2	8,900	15.9	214.0	7,800	22.5	236.0	6,200	27.6	251.6	4,600				220
225				9.6	191.3	7,200	18.6	222.4	5,700	24.4	241.1	4,100				225
230							13.5	204.6	5,200							230
235							4.4	171.5	4,600							235



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.2	370.3	32,400*										70
75	73.8	368.9	32,100*										75
80	72.5	367.4	31,900*	73.9	368.6	36,500*							80
85	71.1	365.7	31,600*	72.5	367.1	36,300*							85
90	69.7	363.9	31,100*	71.2	365.4	36,000*							90
95	68.3	361.9	30,500*	69.8	363.6	35,800*							95
100	66.9	359.8	30,100*	68.4	361.7	35,500*	70.5	363.8	34,600*				100
105	65.5	357.6	29,700*	67.0	359.6	35,300*	69.2	361.9	32,600				105
110	64.0	355.2	29,300*	65.5	357.3	33,700	67.8	359.9	30,200				110
115	62.6	352.6	29,000*	64.1	355.0	31,300	66.3	357.7	28,000				115
120	61.1	349.9	27,800*	62.6	352.4	29,200	64.9	355.4	26,000	67.1	357.7	22,800	120
125	59.6	347.0	26,600*	61.1	349.7	27,200	63.5	353.0	24,100	65.7	355.4	21,100	125
130	58.0	344.0	25,400*	59.6	346.8	25,400	62.0	350.4	22,400	64.3	353.1	19,500	130
135	56.5	340.7	24,300*	58.1	343.8	23,700	60.5	347.6	20,900	62.8	350.6	18,100	135
140	54.9	337.3	23,200*	56.6	340.5	22,200	59.0	344.6	19,500	61.3	347.9	16,800	140
145	53.3	333.6	22,200*	55.0	337.1	20,800	57.4	341.5	18,100	59.8	345.0	15,500	145
150	51.6	329.7	21,100	53.4	333.4	19,400	55.9	338.2	16,900	58.3	342.0	14,400	150
155	50.0	325.6	19,800	51.7	329.5	18,200	54.3	334.6	15,800	56.7	338.7	13,300	155
160	48.2	321.2	18,600	50.0	325.4	17,000	52.7	330.9	14,700	55.2	335.3	12,300	160
165	46.4	316.5	17,500	48.3	321.1	16,000	51.0	326.9	13,700	53.6	331.7	11,400	165
170	44.6	311.6	16,400	46.5	316.4	15,000	49.3	322.7	12,700	51.9	327.8	10,500	170
175	42.7	306.3	15,400	44.7	311.5	14,000	47.5	318.2	11,900	50.2	323.7	9,700	175
180	40.7	300.6	14,500	42.8	306.2	13,100	45.7	313.4	11,000	48.5	319.4	9,000	180
185	38.7	294.5	13,600	40.8	300.5	12,200	43.9	308.3	10,200	46.7	314.8	8,200	185
190	36.5	287.9	12,700	38.8	294.4	11,400	41.9	302.9	9,500	44.9	309.9	7,500	190
195	34.3	280.8	11,900	36.6	287.9	10,700	39.9	297.0	8,800	43.0	304.6	6,900	195
200	31.9	273.0	11,200	34.4	280.8	9,900	37.9	290.8	8,100	41.1	299.0	6,300	200
205	29.3	264.5	10,500	32.0	273.1	9,300	35.7	284.0	7,500	39.0	293.0	5,700	205
210	26.5	254.9	9,800	29.4	264.5	8,600	33.3	276.6	6,800	36.9	286.5	5,100	210
215	23.3	243.9	9,100	26.6	255.0	8,000	30.9	268.5	6,300	34.6	279.5	4,600	215
220	19.7	231.0	8,500	23.5	244.1	7,400	28.2	259.6	5,700	32.3	271.8	4,000	220
225	15.3	214.9	7,800	19.9	231.3	6,800	25.3	249.5	5,200				225
230	9.0	191.0	7,200	15.6	215.4	6,200	22.0	237.9	4,600				230
235				9.3	192.1	5,600	18.1	224.0	4,100				235

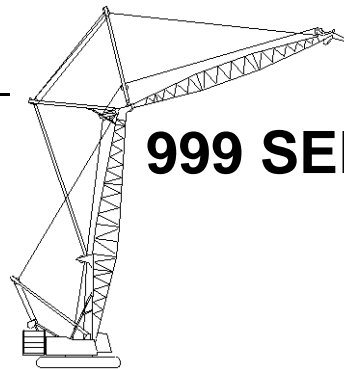


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



150 Ft. Boom, 230 Ft. Jib

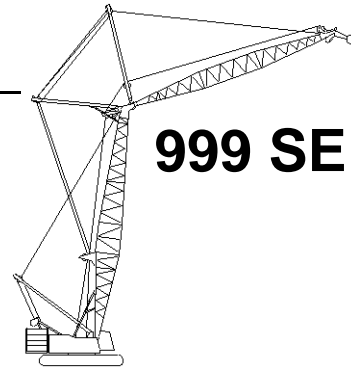
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.8	380.7	30,200*										70
75	74.5	379.3	30,000*										75
80	73.3	377.9	29,600*										80
85	71.9	376.3	29,200*	73.3	377.6	34,300*							85
90	70.6	374.5	28,800*	72.0	376.0	34,000*							90
95	69.3	372.7	28,400*	70.7	374.3	33,800*							95
100	68.0	370.7	28,000*	69.4	372.4	33,500*							100
105	66.6	368.6	27,600*	68.0	370.4	33,300*	70.1	372.6	32,200				105
110	65.2	366.3	27,200*	66.7	368.3	32,200*	68.8	370.7	29,700				110
115	63.9	363.9	26,600*	65.3	366.0	30,900	67.4	368.6	27,500				115
120	62.5	361.3	25,500*	63.9	363.6	28,800	66.1	366.5	25,500				120
125	61.0	358.6	24,400*	62.5	361.1	26,800	64.7	364.1	23,700	66.8	366.4	20,600	125
130	59.6	355.7	23,300*	61.1	358.4	25,000	63.3	361.7	22,000	65.4	364.2	19,100	130
135	58.1	352.6	22,300*	59.7	355.5	23,300	61.9	359.0	20,500	64.1	361.8	17,700	135
140	56.7	349.4	21,400*	58.2	352.4	21,800	60.5	356.2	19,000	62.7	359.2	16,300	140
145	55.1	346.0	20,400*	56.7	349.2	20,400	59.0	353.3	17,700	61.3	356.5	15,100	145
150	53.6	342.3	19,500*	55.2	345.8	19,000	57.6	350.2	16,500	59.8	353.7	14,000	150
155	52.0	338.5	18,700*	53.7	342.2	17,800	56.1	346.9	15,400	58.4	350.6	12,900	155
160	50.4	334.4	17,900*	52.1	338.3	16,600	54.5	343.3	14,300	56.9	347.4	11,900	160
165	48.8	330.1	17,100*	50.5	334.3	15,600	53.0	339.6	13,300	55.4	344.0	11,000	165
170	47.1	325.6	16,000	48.9	330.0	14,600	51.4	335.7	12,300	53.8	340.4	10,100	170
175	45.4	320.7	15,000	47.2	325.4	13,600	49.8	331.6	11,500	52.3	336.6	9,300	175
180	43.6	315.6	14,100	45.4	320.6	12,700	48.1	327.2	10,600	50.7	332.6	8,600	180
185	41.7	310.1	13,200	43.7	315.5	11,900	46.4	322.5	9,800	49.0	328.3	7,800	185
190	39.8	304.2	12,400	41.8	310.0	11,100	44.7	317.5	9,100	47.4	323.8	7,100	190
195	37.8	297.9	11,600	39.9	304.2	10,300	42.9	312.2	8,400	45.6	319.0	6,500	195
200	35.7	291.2	10,800	37.9	297.9	9,600	41.0	306.6	7,700	43.9	313.9	5,900	200
205	33.5	283.8	10,100	35.8	291.1	8,900	39.0	300.6	7,100	42.0	308.5	5,300	205
210	31.1	275.8	9,400	33.6	283.8	8,200	37.0	294.1	6,500	40.1	302.7	4,700	210
215	28.6	267.0	8,800	31.3	275.9	7,600	34.9	287.1	5,900	38.1	296.5	4,200	215
220	25.9	257.2	8,100	28.7	267.1	7,000	32.6	279.5	5,300				220
225	22.8	246.0	7,500	26.0	257.3	6,400	30.2	271.2	4,800				225
230	19.3	232.7	6,900	23.0	246.1	5,900	27.6	262.1	4,300				230
235	15.0	216.2	6,400	19.5	233.0	5,300							235
240	8.8	191.7	5,800	15.2	216.7	4,800							240
245				9.1	192.8	4,300							245



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

150 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
75	75.2	389.7	27,500*										75
80	74.0	388.3	27,200*										80
85	72.7	386.8	27,000*	74.0	388.0	31,300*							85
90	71.5	385.1	26,600*	72.8	386.5	31,100*							90
95	70.2	383.4	26,300*	71.5	384.8	30,900*							95
100	68.9	381.5	25,900*	70.3	383.1	30,600*							100
105	67.6	379.4	25,600*	69.0	381.2	30,400*	71.0	383.2	30,000*				105
110	66.3	377.3	25,300*	67.7	379.2	30,200*	69.7	381.4	29,100				110
115	65.0	375.0	24,900*	66.4	377.0	29,500*	68.4	379.5	26,900				115
120	63.7	372.6	24,400*	65.1	374.7	28,200	67.1	377.4	24,900				120
125	62.4	370.0	23,400*	63.8	372.3	26,200	65.8	375.2	23,100	67.8	377.3	20,000	125
130	61.0	367.2	22,500*	62.4	369.7	24,400	64.5	372.8	21,400	66.5	375.1	18,400	130
135	59.6	364.4	21,500*	61.1	367.0	22,800	63.2	370.3	19,900	65.2	372.9	17,000	135
140	58.2	361.3	20,700*	59.7	364.1	21,200	61.8	367.7	18,400	63.9	370.4	15,700	140
145	56.8	358.1	19,800*	58.3	361.1	19,800	60.5	364.9	17,100	62.6	367.9	14,500	145
150	55.4	354.7	19,000*	56.9	357.9	18,500	59.1	362.0	15,900	61.2	365.2	13,300	150
155	53.9	351.1	18,200*	55.4	354.5	17,200	57.7	358.8	14,800	59.8	362.3	12,300	155
160	52.4	347.3	17,400*	53.9	350.9	16,100	56.2	355.5	13,700	58.4	359.3	11,300	160
165	50.9	343.3	16,600	52.5	347.1	15,000	54.8	352.1	12,700	57.0	356.1	10,400	165
170	49.3	339.1	15,500	50.9	343.1	14,000	53.3	348.4	11,700	55.6	352.7	9,500	170
175	47.7	334.6	14,500	49.4	338.9	13,100	51.8	344.5	10,900	54.1	349.2	8,700	175
180	46.0	329.9	13,600	47.8	334.4	12,200	50.2	340.4	10,000	52.6	345.4	7,900	180
185	44.4	324.8	12,700	46.1	329.7	11,300	48.7	336.1	9,300	51.1	341.4	7,200	185
190	42.6	319.5	11,800	44.4	324.7	10,500	47.0	331.5	8,500	49.5	337.2	6,500	190
195	40.8	313.8	11,100	42.7	319.4	9,800	45.4	326.7	7,800	47.9	332.8	5,900	195
200	38.9	307.8	10,300	40.9	313.7	9,000	43.7	321.6	7,100	46.3	328.1	5,300	200
205	37.0	301.3	9,600	39.0	307.7	8,400	41.9	316.1	6,500	44.6	323.1	4,700	205
210	34.9	294.3	8,900	37.1	301.2	7,700	40.1	310.3	5,900	42.9	317.9	4,100	210
215	32.8	286.8	8,200	35.0	294.3	7,100	38.2	304.1	5,300				215
220	30.5	278.6	7,600	32.9	286.8	6,500	36.2	297.4	4,800				220
225	28.0	269.5	7,000	30.6	278.6	5,900	34.1	290.2	4,200				225
230	25.3	259.4	6,500	28.1	269.6	5,400							230
235	22.3	247.9	5,900	25.4	259.5	4,800							235
240	18.9	234.4	5,400	22.5	248.1	4,300							240
245	14.7	217.5	4,800										245
250	8.6	192.4	4,300										250

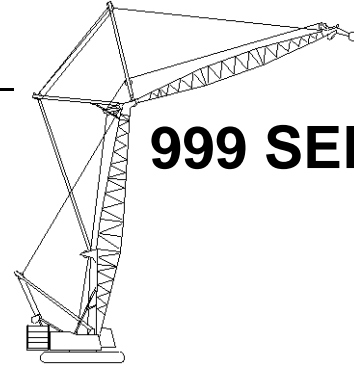


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



160 Ft. Boom, 70 Ft. Jib

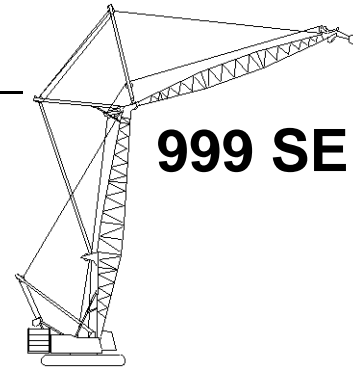
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
45	63.7	230.2	107,500*b																			45	
50	59.0	227.3	103,800*b	64.2	230.1	114,400*b																50	
55	54.0	223.9	101,000*b	59.5	227.3	107,500*b																55	
60	48.7	219.7	92,100*	54.6	223.9	98,600b	62.7	228.3	93,900b													60	
65	42.9	214.7	84,300*	49.3	219.9	88,900	57.9	225.3	84,700b	65.7	228.6	80,500b										65	
70	36.3	208.4	77,800*	43.6	214.9	80,900	52.9	221.7	77,000	61.1	226.0	73,200b										70	
75	28.4	200.2	72,700*	37.1	208.8	74,000	47.5	217.4	70,500	56.2	222.8	67,000b										75	
80	17.4	187.7	69,600*	29.4	200.9	68,200	41.5	212.1	64,900	51.1	219.0	61,700										80	
85				19.0	189.2	63,000	34.7	205.5	60,100	45.5	214.3	57,000	59.7	221.9	52,000b								85
90							26.4	196.7	55,800	39.3	208.7	53,000	54.8	218.6	48,300b								90
95							13.9	182.2	51,900	32.1	201.4	49,400	49.5	214.5	45,000								95
100										22.9	191.3	46,100	43.8	209.6	42,100	58.0	216.4	38,000b					100
105										2.1	166.6	43,000	37.4	203.6	39,400	53.0	212.9	35,600					105
110													29.7	195.7	37,000	47.6	208.5	33,400					110
115													19.5	184.3	34,800	41.7	203.3	31,400					115
120																34.9	196.7	29,600	50.7	205.6	26,400		120
125																26.6	187.9	27,900	45.1	200.9	24,900		125
130																14.3	173.7	26,300	38.8	195.1	23,500		130
135																			31.5	187.7	22,200		135
140																			22.1	177.4	21,000		140



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 80 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	67.2	241.2	100,500*b																			45
50	63.2	238.8	95,700*b	67.7	241.1	110,400*b																50
55	59.1	236.0	92,500*	63.7	238.8	104,000*b																55
60	54.8	232.6	88,400*	59.6	236.0	98,100*	66.4	239.5	93,400b													60
65	50.2	228.6	81,200*	55.3	232.6	88,600	62.4	237.0	84,200b													65
70	45.3	224.0	74,300*	50.8	228.8	80,600	58.2	234.0	76,600	65.0	237.3	72,600b										70
75	39.9	218.3	68,600*	45.9	224.2	73,800	53.8	230.5	70,100	60.9	234.6	66,500b										75
80	33.8	211.5	63,700*	40.6	218.7	67,900	49.2	226.4	64,500	56.7	231.5	61,200										80
85	26.5	202.5	60,000*	34.6	212.0	62,800	44.2	221.5	59,700	52.2	227.8	56,600										85
90	16.2	189.1	57,800*	27.4	203.3	58,300	38.7	215.7	55,500	47.5	223.4	52,500	59.8	230.6	47,700							90
95				17.7	190.7	54,300	32.4	208.4	51,700	42.3	218.3	49,000	55.5	227.3	44,400							95
100							24.6	198.8	48,300	36.6	212.0	45,800	50.9	223.4	41,500							100
105							12.9	183.3	45,200	29.9	204.1	42,900	46.1	218.9	38,900							105
110										21.3	193.2	40,300	40.8	213.4	36,500	53.9	221.6	32,800				110
115										1.8	166.6	37,700	34.8	206.7	34,400	49.3	217.5	30,800				115
120													27.7	198.2	32,400	44.3	212.7	29,000				120
125													18.2	185.8	30,600	38.8	206.8	27,400	51.9	214.4	24,200	125
130																32.5	199.6	25,900	47.2	210.0	22,900	130
135																24.8	190.1	24,500	42.0	204.8	21,600	135
140																13.3	174.8	23,100	36.2	198.4	20,500	140
145																			29.4	190.3	19,400	145
150																			20.6	179.1	18,300	150

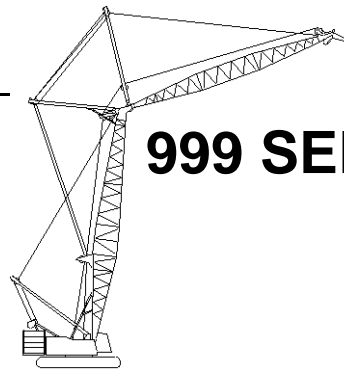


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



160 Ft. Boom, 90 Ft. Jib

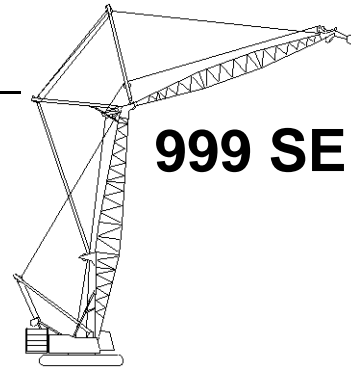
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	69.9	252.0	92,100*b																			45
50	66.4	250.0	88,900*b	70.3	251.9	106,800*b																50
55	62.9	247.5	85,900*	66.8	249.8	100,900*b																55
60	59.2	244.6	84,200*	63.3	247.4	95,400*	69.1	250.3	93,100b													60
65	55.4	241.3	78,300*	59.6	244.6	88,300	65.7	248.2	83,900b													65
70	51.4	237.5	72,200*	55.8	241.4	80,300	62.1	245.6	76,300	67.9	248.3	72,200b										70
75	47.1	233.1	66,500*	51.9	237.6	73,500	58.4	242.7	69,800	64.4	246.0	66,100b										75
80	42.6	227.9	61,300*	47.6	233.2	67,700	54.5	239.2	64,300	60.8	243.3	60,800										80
85	37.5	221.8	56,900*	43.1	228.2	62,600	50.5	235.3	59,400	57.1	240.2	56,200										85
90	31.8	214.3	53,300*	38.1	222.2	58,200	46.2	230.7	55,200	53.2	236.6	52,200										90
95	24.9	204.7	50,500*	32.5	214.9	54,300	41.5	225.3	51,500	49.0	232.4	48,700	59.8	239.2	44,000							95
100	15.3	190.4	48,900*	25.8	205.6	50,700	36.3	219.0	48,100	44.6	227.6	45,500	56.0	236.0	41,100							100
105				16.7	192.2	47,500	30.4	211.1	45,100	39.8	221.9	42,700	52.0	232.3	38,500							105
110							23.1	200.9	42,400	34.4	215.1	40,100	47.8	227.9	36,200							110
115							12.1	184.3	39,900	28.1	206.6	37,800	43.3	222.9	34,100	54.6	230.4	30,400				115
120										20.0	194.9	35,600	38.3	216.9	32,100	50.6	226.4	28,700				120
125										1.6	166.6	33,400	32.7	209.7	30,400	46.3	221.9	27,100				125
130													26.1	200.5	28,700	41.6	216.5	25,600	52.9	223.2	22,500	130
135													17.1	187.3	27,100	36.4	210.2	24,200	48.7	219.0	21,300	135
140																30.6	202.4	22,900	44.3	214.1	20,100	140
145																23.3	192.2	21,700	39.4	208.4	19,000	145
150																12.4	175.9	20,500	34.0	201.5	18,000	150
155																			27.6	192.8	17,100	155
160																			19.4	180.8	16,200	160



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 100 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	72.0	262.7	85,400*b																			45
50	68.9	260.8	82,500*b	72.3	262.5	102,700*b																50
55	65.8	258.7	80,800*	69.3	260.7	97,400*b																55
60	62.6	256.2	77,400*	66.2	258.6	88,800																60
65	59.3	253.3	75,200*	63.0	256.1	79,800	68.2	259.1	73,900b													65
70	55.9	250.0	69,700*	59.7	253.3	72,200	65.1	256.8	66,900													70
75	52.3	246.3	64,400*	56.3	250.1	65,800	61.9	254.3	60,900	67.2	257.0	55,900										75
80	48.5	242.1	59,600*	52.7	246.4	60,300	58.6	251.3	55,700	64.0	254.6	51,100										80
85	44.6	237.2	55,200*	49.0	242.2	55,600	55.1	248.0	51,300	60.7	251.9	47,000										85
90	40.2	231.6	51,200*	45.0	237.4	51,400	51.5	244.1	47,400	57.4	248.9	43,400										90
95	35.5	225.0	47,900*	40.8	231.9	47,700	47.7	239.8	43,900	53.9	245.3	40,200										95
100	30.1	217.0	45,100*	36.1	225.4	44,400	43.6	234.8	40,800	50.2	241.3	37,300	59.8	247.9	31,400							100
105	23.6	206.8	43,000*	30.8	217.6	41,400	39.2	228.9	38,100	46.3	236.8	34,700	56.4	244.7	29,200							105
110	14.4	191.6	40,700	24.4	207.8	38,700	34.4	222.1	35,600	42.2	231.5	32,400	52.9	241.0	27,100							110
115				15.8	193.5	36,200	28.8	213.7	33,300	37.6	225.3	30,300	49.1	236.9	25,300							115
120							21.9	202.8	31,200	32.5	218.0	28,300	45.2	232.1	23,600	55.2	239.1	18,900				120
125							11.4	185.3	29,100	26.6	208.9	26,600	40.9	226.6	22,100	51.6	235.3	17,600				125
130										18.9	196.6	24,900	36.2	220.2	20,600	47.8	230.9	16,400				130
135													31.0	212.5	19,300	43.7	225.9	15,300				135
140													24.7	202.7	18,100	39.3	220.1	14,200	49.9	227.9	10,400	140
145													16.1	188.7	16,900	34.5	213.3	13,200	46.0	223.3	9,600	145
150																28.9	204.9	12,300	41.9	218.0	8,800	150
155																22.1	194.1	11,400	37.3	211.8	8,100	155
160																11.8	176.9	10,500	32.2	204.3	7,400	160
165																			26.1	195.1	6,700	165
170																			18.3	182.4	6,000	170

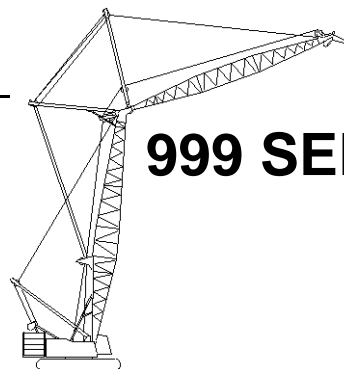


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



160 Ft. Boom, 110 Ft. Jib

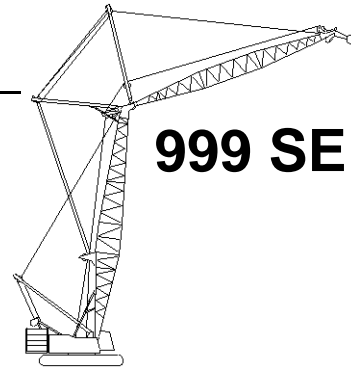
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.7	273.2	79,200*b																			45
50	70.9	271.5	77,800*b	74.0	273.0	94,600*b																50
55	68.1	269.6	75,400*	71.2	271.3	92,800*b																55
60	65.3	267.4	72,200*	68.5	269.4	88,700																60
65	62.4	264.8	70,100*	65.6	267.3	79,600	70.3	269.8	73,700													65
70	59.4	262.0	67,400*	62.7	264.8	72,100	67.5	267.8	66,700													70
75	56.3	258.7	62,500*	59.7	261.9	65,700	64.6	265.5	60,700													75
80	53.0	255.1	57,900*	56.6	258.8	60,200	61.7	262.9	55,600	66.5	265.7	50,900										80
85	49.7	251.0	53,900*	53.4	255.2	55,500	58.7	260.0	51,100	63.6	263.3	46,800										85
90	46.1	246.4	50,100*	50.1	251.1	51,300	55.6	256.7	47,200	60.7	260.6	43,200										90
95	42.3	241.1	46,600*	46.5	246.6	47,600	52.3	252.9	43,800	57.6	257.5	40,000										95
100	38.3	235.1	43,500*	42.8	241.4	44,300	48.9	248.7	40,700	54.5	254.1	37,100	62.8	259.4	31,200							100
105	33.8	228.0	40,900*	38.8	235.5	41,400	45.3	244.0	38,000	51.2	250.2	34,600	59.8	256.6	29,000							105
110	28.6	219.6	38,700*	34.3	228.5	38,700	41.5	238.6	35,500	47.7	245.8	32,300	56.7	253.4	26,900							110
115	22.4	208.8	37,100*	29.3	220.2	36,300	37.3	232.3	33,200	44.0	240.8	30,200	53.5	249.8	25,100							115
120	13.7	192.8	35,900	23.2	209.8	34,000	32.7	225.0	31,200	40.1	235.2	28,300	50.2	245.8	23,400							120
125				15.0	194.8	31,900	27.4	216.1	29,200	35.8	228.6	26,500	46.7	241.3	21,900	55.6	247.8	17,400				125
130							20.8	204.6	27,500	31.0	220.8	24,900	42.9	236.1	20,500	52.4	244.1	16,200				130
135							10.9	186.2	25,800	25.3	211.2	23,400	38.9	230.2	19,200	49.0	239.9	15,100				135
140										18.0	198.1	21,900	34.5	223.3	18,000	45.4	235.1	14,000				140
145													29.5	215.1	16,900	41.6	229.7	13,100	50.9	236.8	9,400	145
150													23.5	204.7	15,800	37.4	223.5	12,200	47.4	232.4	8,600	150
155													15.4	190.0	14,700	32.8	216.2	11,300	43.8	227.4	7,900	155
160																27.5	207.4	10,500	39.8	221.6	7,200	160
165																21.0	195.9	9,700	35.5	215.0	6,600	165
170																11.2	177.8	8,900	30.6	207.1	6,000	170
175																			24.9	197.3	5,400	175
180																			17.4	183.9	4,800	180



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 120 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.1	283.6	73,200*b																			45
50	72.6	282.1	71,300*																			50
55	70.0	280.3	69,300*	72.9	281.9	85,800*b																55
60	67.5	278.3	68,200*	70.3	280.2	83,900*																60
65	64.9	276.1	65,500*	67.8	278.2	79,000																65
70	62.2	273.5	63,800*	65.2	276.0	71,500	69.5	278.6	65,900													70
75	59.4	270.6	60,800*	62.5	273.4	65,100	66.9	276.6	60,000													75
80	56.6	267.4	56,600*	59.7	270.6	59,600	64.3	274.2	54,900													80
85	53.6	263.9	52,700*	56.9	267.4	54,900	61.6	271.6	50,400	66.0	274.4	46,000										85
90	50.6	259.9	49,000*	54.0	263.9	50,700	58.8	268.7	46,600	63.3	272.0	42,400										90
95	47.4	255.4	45,800*	51.0	260.0	47,000	55.9	265.4	43,100	60.6	269.3	39,200										95
100	44.0	250.5	42,800*	47.8	255.6	43,800	53.0	261.7	40,100	57.8	266.2	36,400										100
105	40.4	244.8	40,000*	44.4	250.7	40,800	49.9	257.7	37,300	54.9	262.8	33,900	62.6	268.0	28,100							105
110	36.6	238.4	37,600*	40.9	245.1	38,200	46.7	253.1	34,900	51.9	259.0	31,600	59.8	265.2	26,100							110
115	32.3	230.9	35,500*	37.0	238.8	35,800	43.3	248.0	32,600	48.8	254.8	29,500	57.0	262.1	24,300							115
120	27.4	222.0	33,800*	32.8	231.5	33,600	39.6	242.2	30,600	45.5	250.0	27,600	54.1	258.6	22,700							120
125	21.4	210.6	32,500*	28.0	222.7	31,600	35.6	235.6	28,700	42.0	244.7	25,900	51.1	254.7	21,200							125
130	13.1	193.9	31,400	22.2	211.7	29,700	31.2	227.8	27,000	38.3	238.7	24,300	47.9	250.3	19,800	56.0	256.5	15,300				130
135				14.3	196.0	27,900	26.2	218.5	25,400	34.2	231.7	22,800	44.6	245.4	18,500	53.1	252.9	14,200				135
140							19.9	206.3	23,900	29.6	223.4	21,400	41.0	239.9	17,300	50.0	248.8	13,200				140
145							10.4	187.0	22,400	24.2	213.3	20,100	37.2	233.6	16,200	46.8	244.3	12,300				145
150										17.2	199.6	18,900	32.9	226.3	15,100	43.3	239.2	11,400	51.7	245.6	7,700	150
155													28.1	217.6	14,200	39.7	233.4	10,600	48.6	241.4	7,000	155
160													22.4	206.7	13,200	35.7	226.8	9,800	45.3	236.6	6,400	160
165													14.7	191.3	12,300	31.3	219.0	9,000	41.8	231.2	5,800	165
170																26.3	209.7	8,300	38.0	225.1	5,200	170
175																20.1	197.7	7,700	33.9	218.0	4,600	175
180																10.7	178.7	7,000	29.2	209.7	4,100	180

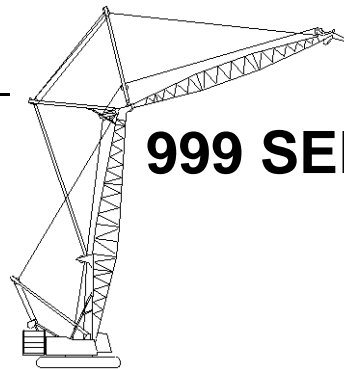


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



160 Ft. Boom, 130 Ft. Jib

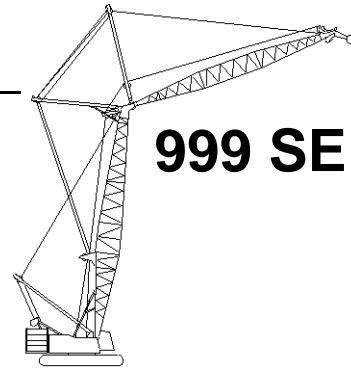
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.0	292.6	66,200*																			50
55	71.6	291.0	65,400*																			55
60	69.3	289.1	62,900*	71.9	290.8	78,000*																60
65	66.9	287.1	61,300*	69.6	289.0	76,400*																65
70	64.5	284.7	59,700*	67.2	286.9	71,000																70
75	62.0	282.2	58,300*	64.8	284.6	64,700	68.8	287.4	59,500													75
80	59.5	279.3	55,000*	62.3	282.1	59,200	66.4	285.3	54,400													80
85	56.9	276.1	51,400*	59.8	279.3	54,400	63.9	282.9	49,900	68.0	285.3	45,500										85
90	54.2	272.6	47,900*	57.2	276.1	50,300	61.4	280.3	46,100	65.5	283.1	41,900										90
95	51.4	268.7	44,800*	54.5	272.7	46,600	58.9	277.3	42,700	63.1	280.7	38,700										95
100	48.5	264.4	42,000*	51.7	268.8	43,400	56.3	274.1	39,600	60.6	277.9	35,900										100
105	45.4	259.7	39,300*	48.8	264.6	40,400	53.6	270.5	36,900	58.0	274.9	33,400										105
110	42.2	254.3	36,800*	45.8	259.9	37,800	50.7	266.5	34,400	55.3	271.5	31,100	62.4	276.7	25,600							110
115	38.8	248.4	34,600*	42.6	254.6	35,400	47.8	262.1	32,200	52.6	267.8	29,000	59.8	273.9	23,800							115
120	35.0	241.6	32,700*	39.2	248.7	33,200	44.7	257.3	30,200	49.7	263.7	27,100	57.2	270.8	22,100							120
125	30.9	233.7	31,000*	35.5	242.0	31,200	41.5	251.8	28,300	46.8	259.1	25,400	54.6	267.3	20,600							125
130	26.2	224.3	29,700*	31.4	234.3	29,400	38.0	245.7	26,600	43.6	254.1	23,800	51.8	263.5	19,200							130
135	20.6	212.4	28,700*	26.8	225.1	27,600	34.2	238.7	25,000	40.3	248.4	22,400	48.9	259.2	18,000	56.3	265.2	13,700				135
140	12.6	195.0	27,700	21.3	213.6	26,000	30.0	230.5	23,500	36.7	242.0	21,000	45.9	254.6	16,800	53.6	261.6	12,700				140
145				13.7	197.2	24,500	25.1	220.7	22,200	32.8	234.6	19,700	42.7	249.3	15,700	50.8	257.7	11,700				145
150							19.1	208.0	20,900	28.4	226.0	18,600	39.3	243.5	14,700	47.9	253.3	10,900				150
155							10.0	187.9	19,600	23.2	215.3	17,400	35.6	236.8	13,700	44.8	248.4	10,000	52.4	254.4	6,400	155
160										16.5	201.1	16,400	31.6	229.1	12,800	41.5	243.0	9,300	49.5	250.3	5,800	160
165													27.0	220.0	12,000	38.1	236.8	8,600	46.5	245.7	5,200	165
170													21.5	208.6	11,100	34.3	229.9	7,900	43.4	240.6	4,600	170
175													14.1	192.5	10,300	30.1	221.7	7,200	40.1	234.9	4,100	175
180																25.2	211.9	6,600				180
185																19.2	199.4	6,000				185
190																10.2	179.6	5,400				190



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 140 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.1	303.0	61,300*																50
55	73.0	301.5	60,700*																55
60	70.8	299.8	59,300*	73.2	301.3	71,900*													60
65	68.7	297.9	57,900*	71.1	299.6	70,900*													65
70	66.4	295.8	56,500*	68.9	297.8	69,600*													70
75	64.2	293.4	54,500*	66.7	295.7	64,000	70.4	298.1	58,800										75
80	61.9	290.8	53,200*	64.4	293.3	58,600	68.2	296.2	53,700										80
85	59.5	287.9	49,900*	62.1	290.8	53,800	65.9	294.0	49,300										85
90	57.1	284.8	46,700*	59.8	287.9	49,700	63.7	291.6	45,400	67.4	294.1	41,100							90
95	54.6	281.3	43,700*	57.4	284.8	46,000	61.3	288.9	42,000	65.2	291.8	38,000							95
100	52.0	277.5	41,000*	54.9	281.4	42,800	59.0	286.0	38,900	62.9	289.3	35,100							100
105	49.4	273.4	38,500*	52.3	277.6	39,800	56.5	282.8	36,200	60.5	286.6	32,600							105
110	46.6	268.8	36,200*	49.7	273.5	37,200	54.0	279.2	33,800	58.1	283.6	30,400							110
115	43.7	263.7	34,000*	46.9	269.0	34,800	51.4	275.4	31,600	55.7	280.2	28,300	62.2	285.4	22,900				115
120	40.6	258.1	32,000*	44.0	263.9	32,700	48.8	271.1	29,500	53.1	276.6	26,400	59.9	282.5	21,300				120
125	37.3	251.8	30,200*	40.9	258.4	30,700	46.0	266.4	27,700	50.5	272.6	24,700	57.4	279.4	19,800				125
130	33.7	244.6	28,700*	37.7	252.2	28,800	43.0	261.2	26,000	47.8	268.2	23,200	55.0	276.0	18,500				130
135	29.8	236.4	27,300*	34.1	245.1	27,100	39.9	255.5	24,400	44.9	263.3	21,700	52.4	272.3	17,200				135
140	25.3	226.5	26,200*	30.2	237.0	25,600	36.5	249.0	23,000	41.9	257.9	20,400	49.8	268.2	16,000	56.6	273.9	11,800	140
145	19.8	214.2	25,400*	25.8	227.4	24,100	32.9	241.6	21,600	38.7	251.9	19,100	47.0	263.6	15,000	54.1	270.4	10,900	145
150	12.1	196.0	24,300	20.5	215.4	22,700	28.8	233.1	20,300	35.3	245.2	17,900	44.1	258.6	14,000	51.5	266.5	10,000	150
155				13.2	198.3	21,400	24.2	222.8	19,200	31.5	237.5	16,900	41.1	253.1	13,000	48.8	262.2	9,200	155
160							18.4	209.6	18,000	27.3	228.4	15,800	37.8	246.9	12,100	46.0	257.6	8,500	160
165							9.6	188.7	16,900	22.3	217.3	14,800	34.3	239.9	11,300	43.1	252.4	7,800	165
170										15.9	202.4	13,900	30.4	231.8	10,500	39.9	246.6	7,100	170
175													26.0	222.3	9,800	36.6	240.2	6,500	175
180													20.7	210.4	9,000	33.0	232.8	5,900	180
185													13.5	193.6	8,300	28.9	224.3	5,300	185
190																24.3	214.1	4,800	190
195																18.5	201.0	4,200	195

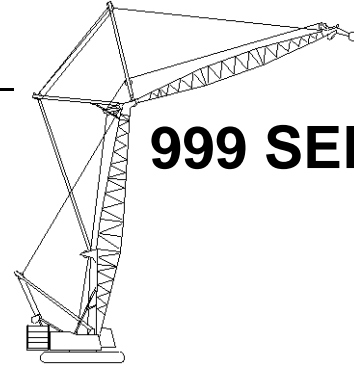


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



160 Ft. Boom, 150 Ft. Jib

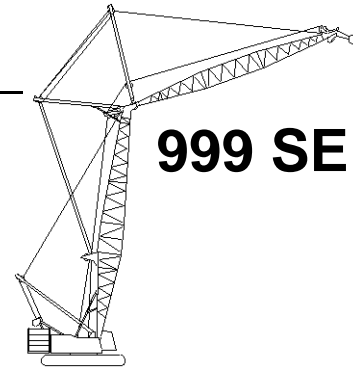
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.2	311.9	56,400*																55
60	72.2	310.4	55,300*																60
65	70.1	308.6	54,100*	72.4	310.2	65,700*													65
70	68.1	306.7	52,200*	70.4	308.5	64,700*													70
75	66.0	304.5	51,700*	68.3	306.5	63,600*													75
80	63.9	302.1	50,000*	66.2	304.4	58,300	69.7	306.9	53,400										80
85	61.7	299.5	48,300*	64.1	302.0	53,600	67.6	304.9	49,000										85
90	59.5	296.6	45,400*	62.0	299.4	49,500	65.5	302.7	45,200										90
95	57.3	293.5	42,700*	59.8	296.6	45,800	63.4	300.3	41,700	66.9	302.8	37,700							95
100	55.0	290.1	40,100*	57.5	293.5	42,600	61.3	297.6	38,700	64.8	300.5	34,900							100
105	52.6	286.3	37,700*	55.2	290.1	39,600	59.0	294.7	36,000	62.7	298.0	32,400							105
110	50.1	282.3	35,400*	52.9	286.4	37,000	56.8	291.5	33,600	60.5	295.2	30,100							110
115	47.6	277.8	33,400*	50.4	282.4	34,600	54.4	288.0	31,300	58.3	292.2	28,100							115
120	44.9	272.9	31,500*	47.9	278.0	32,500	52.0	284.2	29,300	56.0	288.9	26,200	62.1	294.0	21,100				120
125	42.1	267.6	29,800*	45.2	273.1	30,500	49.6	280.0	27,500	53.6	285.3	24,500	59.9	291.2	19,600				125
130	39.1	261.6	28,100*	42.4	267.8	28,700	47.0	275.5	25,800	51.2	281.4	22,900	57.6	288.1	18,200				130
135	36.0	255.0	26,600*	39.5	262.0	27,000	44.3	270.5	24,200	48.7	277.1	21,500	55.3	284.7	17,000				135
140	32.5	247.5	25,400*	36.3	255.4	25,400	41.5	265.0	22,800	46.1	272.5	20,100	52.9	281.1	15,800				140
145	28.7	238.9	24,300*	32.9	248.1	24,000	38.5	259.0	21,400	43.3	267.3	18,900	50.5	277.0	14,700	56.8	282.6	10,600	145
150	24.4	228.7	23,400*	29.2	239.6	22,600	35.2	252.2	20,200	40.4	261.6	17,800	48.0	272.6	13,700	54.5	279.1	9,800	150
155	19.1	215.8	22,800*	24.9	229.6	21,300	31.7	244.5	19,000	37.4	255.3	16,700	45.3	267.8	12,800	52.1	275.3	9,000	155
160	11.7	197.0	21,600	19.8	217.1	20,100	27.8	235.5	17,900	34.1	248.3	15,700	42.5	262.6	11,900	49.6	271.2	8,300	160
165				12.7	199.4	19,000	23.3	224.9	16,900	30.4	240.2	14,700	39.6	256.7	11,100	47.0	266.6	7,600	165
170							17.7	211.1	15,900	26.3	230.7	13,800	36.5	250.2	10,300	44.4	261.7	6,900	170
175							9.2	189.5	14,900	21.5	219.2	12,900	33.1	242.9	9,600	41.5	256.2	6,300	175
180										15.3	203.8	12,100	29.3	234.4	8,900	38.5	250.1	5,700	180
185													25.1	224.5	8,200	35.3	243.4	5,100	185
190													20.0	212.2	7,600	31.8	235.7	4,600	190
195													13.1	194.7	6,900	27.9	226.8	4,100	195



Liftcrane Luffing Jib Capacities

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

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



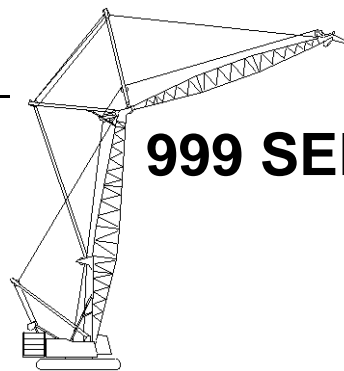
999 SERIES 2

160 Ft. Boom, 160 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.2	322.3	52,300*																55
60	73.3	320.9	50,700*																60
65	71.4	319.2	50,300*	73.5	320.7	60,300*													65
70	69.5	317.4	48,700*	71.7	319.1	60,000*													70
75	67.6	315.4	48,300*	69.7	317.3	59,600*													75
80	65.6	313.2	47,300*	67.8	315.3	57,600*	71.0	317.6	52,700										80
85	63.7	310.8	45,900*	65.9	313.1	53,000	69.1	315.7	48,300										85
90	61.6	308.1	44,000*	63.9	310.7	48,900	67.2	313.7	44,500										90
95	59.6	305.3	41,500*	61.9	308.1	45,200	65.2	311.4	41,100										95
100	57.5	302.2	39,100*	59.8	305.2	42,000	63.2	308.9	38,100	66.5	311.5	34,200							100
105	55.3	298.8	36,800*	57.7	302.2	39,100	61.2	306.2	35,300	64.5	309.2	31,700							105
110	53.1	295.1	34,700*	55.5	298.8	36,400	59.1	303.3	32,900	62.5	306.7	29,400							110
115	50.8	291.1	32,700*	53.3	295.2	34,100	57.0	300.1	30,700	60.5	303.9	27,400							115
120	48.4	286.8	30,900*	51.0	291.2	31,900	54.8	296.7	28,700	58.4	300.9	25,500							120
125	46.0	282.1	29,200*	48.7	286.9	29,900	52.6	293.0	26,900	56.2	297.6	23,800	61.9	302.7	18,800				125
130	43.4	276.9	27,600*	46.2	282.3	28,100	50.3	288.9	25,200	54.0	294.1	22,300	59.9	299.9	17,400				130
135	40.7	271.3	26,200*	43.7	277.2	26,400	47.9	284.5	23,600	51.8	290.2	20,800	57.8	296.8	16,200				135
140	37.8	265.1	24,800*	41.0	271.6	24,900	45.4	279.7	22,200	49.4	286.1	19,500	55.6	293.4	15,100				140
145	34.8	258.2	23,600*	38.2	265.5	23,400	42.8	274.5	20,800	47.0	281.5	18,300	53.4	289.8	14,000				145
150	31.5	250.4	22,600*	35.1	258.6	22,100	40.1	268.7	19,600	44.5	276.6	17,100	51.1	285.9	13,000	57.0	291.3	9,000	150
155	27.8	241.4	21,700*	31.8	250.9	20,800	37.2	262.3	18,400	41.9	271.2	16,000	48.8	281.6	12,100	54.9	287.8	8,200	155
160	23.6	230.8	21,000*	28.2	242.1	19,700	34.1	255.2	17,400	39.1	265.2	15,000	46.3	277.0	11,200	52.6	284.1	7,500	160
165	18.5	217.4	20,000	24.1	231.7	18,600	30.7	247.2	16,300	36.1	258.6	14,100	43.8	271.9	10,400	50.3	280.0	6,800	165
170	11.3	198.0	18,900	19.1	218.8	17,500	26.9	237.9	15,400	32.9	251.2	13,200	41.1	266.3	9,600	47.9	275.6	6,100	170
175				12.3	200.5	16,500	22.5	226.8	14,400	29.4	242.8	12,400	38.3	260.2	8,900	45.5	270.9	5,500	175
180							17.1	212.6	13,600	25.5	233.0	11,600	35.2	253.4	8,200	42.9	265.6	4,900	180
185							8.9	190.2	12,700	20.8	221.0	10,800	32.0	245.7	7,600	40.1	259.9	4,400	185
190										14.8	205.0	10,100	28.4	237.0	7,000				190
195													24.2	226.6	6,400				195
200													19.3	213.8	5,800				200
205													12.6	195.8	5,200				205



Liftcrane Luffing Jib Capacities



999 SERIES 2

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

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

160 Ft. Boom, 170 Ft. Jib

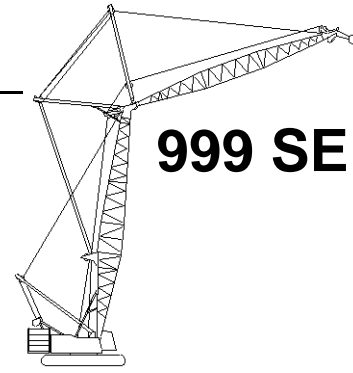
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.3	331.3	47,500*																60
65	72.6	329.8	46,700*																65
70	70.8	328.1	45,300*	72.8	329.6	54,900*													70
75	69.0	326.2	44,400*	71.0	327.9	54,600*													75
80	67.2	324.2	44,100*	69.2	326.1	54,400*													80
85	65.3	321.9	43,200*	67.4	324.0	52,500	70.4	326.4	47,800										85
90	63.4	319.5	42,400*	65.5	321.8	48,400	68.6	324.5	44,000										90
95	61.5	316.8	40,500*	63.7	319.4	44,700	66.8	322.4	40,600										95
100	59.6	313.9	38,300*	61.8	316.8	41,500	64.9	320.1	37,500	68.0	322.4	33,600							100
105	57.6	310.8	36,200*	59.8	313.9	38,600	63.0	317.6	34,800	66.1	320.3	31,100							105
110	55.6	307.5	34,200*	57.8	310.8	36,000	61.1	314.9	32,400	64.3	317.9	28,900							110
115	53.5	303.9	32,400*	55.8	307.5	33,600	59.2	312.0	30,200	62.4	315.3	26,800							115
120	51.4	299.9	30,600*	53.7	303.9	31,400	57.2	308.8	28,200	60.4	312.6	25,000							120
125	49.2	295.7	28,900*	51.6	300.0	29,500	55.1	305.4	26,400	58.5	309.6	23,300							125
130	46.9	291.2	27,400*	49.4	295.9	27,600	53.0	301.7	24,700	56.5	306.3	21,700	61.8	311.4	16,900				130
135	44.5	286.2	26,000*	47.1	291.3	26,000	50.9	297.8	23,100	54.4	302.8	20,300	59.9	308.5	15,600				135
140	42.0	280.8	24,700*	44.8	286.4	24,400	48.7	293.5	21,700	52.3	299.0	19,000	57.9	305.5	14,500				140
145	39.4	274.9	23,500*	42.3	281.1	23,000	46.4	288.8	20,400	50.1	295.0	17,800	55.9	302.1	13,400				145
150	36.6	268.4	22,300*	39.7	275.2	21,700	44.0	283.8	19,100	47.9	290.5	16,600	53.8	298.6	12,500				150
155	33.7	261.2	21,300*	37.0	268.8	20,400	41.5	278.3	18,000	45.5	285.8	15,600	51.7	294.7	11,500	57.2	299.9	7,600	155
160	30.5	253.1	20,400*	34.0	261.7	19,300	38.8	272.2	16,900	43.1	280.6	14,600	49.5	290.5	10,700	55.2	296.5	6,900	160
165	26.9	243.8	19,700*	30.9	253.7	18,200	36.0	265.6	15,900	40.6	274.9	13,600	47.2	286.0	9,900	53.1	292.9	6,200	165
170	22.8	232.8	18,600	27.3	244.6	17,100	33.0	258.2	14,900	37.9	268.7	12,700	44.9	281.1	9,100	50.9	288.9	5,600	170
175	17.9	219.0	17,500	23.3	233.8	16,100	29.7	249.9	14,000	35.0	261.8	11,900	42.4	275.8	8,400	48.7	284.6	5,000	175
180	10.9	198.9	16,500	18.5	220.4	15,200	26.1	240.2	13,200	31.9	254.1	11,100	39.8	270.0	7,700	46.4	280.0	4,400	180
185				11.9	201.5	14,300	21.9	228.8	12,400	28.5	245.3	10,400	37.1	263.6	7,100				185
190							16.6	214.1	11,600	24.7	235.2	9,700	34.1	256.5	6,500				190
195							8.6	190.9	10,800	20.2	222.8	9,000	31.0	248.5	5,900				195
200										14.4	206.3	8,300	27.5	239.4	5,300				200
205													23.5	228.7	4,800				205
210													18.7	215.5	4,300				210



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.2	341.7	44,000*													60
65	73.6	340.3	43,300*													65
70	71.9	338.7	42,600*	73.8	340.1	50,300*										70
75	70.2	336.9	41,800*	72.1	338.5	50,100*										75
80	68.5	335.0	41,100*	70.4	336.7	49,800*										80
85	66.8	332.9	40,400*	68.7	334.8	49,400*										85
90	65.0	330.6	39,600*	67.0	332.8	47,800	69.8	335.2	43,300							90
95	63.3	328.1	38,900*	65.2	330.5	44,100	68.1	333.2	39,900							95
100	61.4	325.5	37,100*	63.5	328.1	40,900	66.4	331.1	36,900							100
105	59.6	322.6	35,200*	61.7	325.4	38,000	64.6	328.8	34,200	67.5	331.2	30,400				105
110	57.7	319.5	33,300*	59.8	322.6	35,400	62.9	326.3	31,700	65.8	329.0	28,100				110
115	55.8	316.2	31,600*	58.0	319.5	33,000	61.0	323.6	29,600	64.0	326.6	26,100				115
120	53.9	312.6	29,900*	56.1	316.2	30,900	59.2	320.6	27,600	62.2	324.0	24,300				120
125	51.9	308.8	28,300*	54.1	312.7	28,900	57.3	317.5	25,700	60.4	321.2	22,600				125
130	49.8	304.6	26,900*	52.1	308.8	27,100	55.4	314.1	24,000	58.6	318.2	21,000				130
135	47.7	300.2	25,500*	50.0	304.7	25,400	53.4	310.5	22,500	56.7	315.0	19,600	61.7	320.0	14,900	135
140	45.5	295.4	24,200*	47.9	300.3	23,900	51.4	306.6	21,100	54.7	311.5	18,300	59.9	317.2	13,700	140
145	43.2	290.2	23,100*	45.7	295.6	22,400	49.3	302.4	19,800	52.7	307.8	17,100	58.0	314.1	12,700	145
150	40.8	284.5	21,900*	43.4	290.4	21,100	47.2	297.9	18,500	50.7	303.8	15,900	56.1	310.8	11,700	150
155	38.2	278.4	20,900*	41.0	284.8	19,900	45.0	293.0	17,400	48.6	299.5	14,900	54.2	307.3	10,800	155
160	35.6	271.6	19,900*	38.5	278.7	18,700	42.6	287.7	16,300	46.4	294.9	13,900	52.2	303.5	9,900	160
165	32.7	264.1	19,100*	35.9	272.1	17,600	40.2	281.9	15,300	44.2	289.8	13,000	50.1	299.4	9,200	165
170	29.6	255.7	18,100	33.0	264.7	16,600	37.7	275.7	14,300	41.8	284.4	12,100	48.0	295.0	8,400	170
175	26.1	246.1	17,100	30.0	256.4	15,600	35.0	268.8	13,500	39.4	278.5	11,300	45.8	290.3	7,700	175
180	22.2	234.7	16,100	26.6	246.9	14,700	32.0	261.1	12,600	36.7	272.0	10,500	43.5	285.1	7,000	180
185	17.4	220.5	15,200	22.7	235.8	13,800	28.9	252.4	11,800	34.0	264.8	9,800	41.1	279.6	6,400	185
190	10.6	199.8	14,300	18.0	222.0	13,000	25.3	242.5	11,000	31.0	256.9	9,100	38.6	273.5	5,800	190
195				11.6	202.5	12,200	21.2	230.6	10,300	27.7	247.8	8,400	36.0	266.8	5,200	195
200							16.1	215.5	9,600	24.0	237.3	7,800	33.1	259.5	4,700	200
205							8.4	191.6	8,900	19.6	224.5	7,100	30.1	251.2	4,200	205
210										14.0	207.5	6,500				210

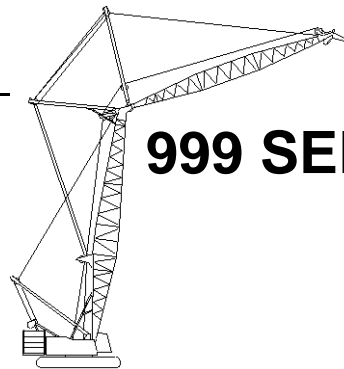


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



160 Ft. Boom, 190 Ft. Jib

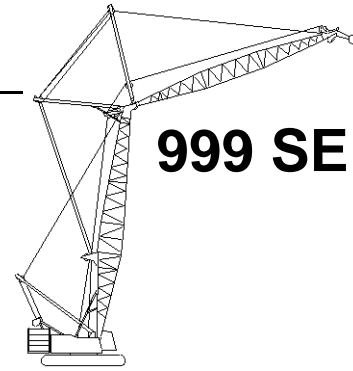
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	76.0	352.0	40,600*													60
65	74.5	350.7	40,200*													65
70	72.9	349.2	39,600*													70
75	71.3	347.5	39,000*	73.1	349.0	46,000*										75
80	69.7	345.7	38,300*	71.5	347.3	45,700*										80
85	68.1	343.7	37,700*	69.9	345.6	45,500*										85
90	66.4	341.6	37,000*	68.3	343.6	45,200*	70.9	345.8	43,000							90
95	64.8	339.3	36,100*	66.6	341.5	43,900*	69.3	344.0	39,600							95
100	63.1	336.8	35,500*	65.0	339.2	40,600	67.7	342.0	36,600							100
105	61.4	334.1	34,100*	63.3	336.7	37,700	66.1	339.8	33,900							105
110	59.6	331.3	32,400*	61.6	334.1	35,100	64.4	337.5	31,400	67.1	339.9	27,800				110
115	57.9	328.2	30,800*	59.8	331.2	32,700	62.7	334.9	29,300	65.5	337.7	25,800				115
120	56.1	324.9	29,200*	58.1	328.2	30,600	61.0	332.2	27,300	63.8	335.3	24,000				120
125	54.2	321.3	27,800*	56.3	324.9	28,600	59.2	329.3	25,400	62.1	332.7	22,300				125
130	52.3	317.6	26,400*	54.4	321.4	26,800	57.5	326.2	23,800	60.4	329.9	20,700				130
135	50.4	313.5	25,000*	52.5	317.6	25,100	55.7	322.8	22,200	58.6	326.9	19,300				135
140	48.4	309.2	23,800*	50.6	313.6	23,600	53.8	319.2	20,800	56.8	323.7	18,000	61.6	328.7	13,400	140
145	46.3	304.5	22,600*	48.6	309.3	22,200	51.9	315.4	19,500	55.0	320.3	16,800	59.9	325.8	12,400	145
150	44.2	299.5	21,600*	46.6	304.7	20,800	49.9	311.3	18,200	53.1	316.6	15,700	58.1	322.8	11,400	150
155	42.0	294.0	20,600*	44.4	299.7	19,600	47.9	306.9	17,100	51.2	312.6	14,600	56.3	319.5	10,500	155
160	39.6	288.2	19,700*	42.2	294.3	18,400	45.9	302.1	16,000	49.3	308.4	13,600	54.5	316.0	9,700	160
165	37.2	281.8	18,800*	39.9	288.5	17,400	43.7	297.0	15,000	47.2	303.9	12,700	52.6	312.3	8,900	165
170	34.6	274.7	17,900	37.5	282.2	16,300	41.4	291.5	14,100	45.1	299.0	11,800	50.7	308.3	8,100	170
175	31.8	267.0	16,800	34.9	275.2	15,400	39.1	285.5	13,200	42.9	293.8	11,000	48.7	304.0	7,400	175
180	28.8	258.3	15,900	32.1	267.6	14,500	36.6	279.0	12,400	40.6	288.1	10,200	46.6	299.3	6,700	180
185	25.4	248.4	15,000	29.1	259.0	13,600	34.0	271.8	11,600	38.3	282.0	9,500	44.5	294.4	6,100	185
190	21.6	236.6	14,100	25.8	249.2	12,800	31.2	263.9	10,800	35.7	275.2	8,800	42.3	289.0	5,500	190
195	16.9	222.0	13,300	22.0	237.7	12,000	28.1	254.9	10,100	33.0	267.8	8,200	40.0	283.2	5,000	195
200	10.3	200.7	12,500	17.5	223.5	11,300	24.6	244.7	9,400	30.1	259.5	7,500	37.6	276.9	4,400	200
205				11.3	203.4	10,500	20.6	232.4	8,700	26.9	250.2	6,900				205
210							15.7	216.8	8,100	23.3	239.3	6,400				210
215							8.1	192.3	7,400	19.1	226.2	5,800				215
220										13.6	208.6	5,200				220



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
	65	75.3	361.1	37,000*												
70	73.8	359.6	36,700*													70
75	72.3	358.1	36,100*	73.9	359.4	42,100*										75
80	70.7	356.4	35,600*	72.4	357.9	41,900*										80
85	69.2	354.5	35,000*	70.9	356.2	41,700*										85
90	67.7	352.5	34,500*	69.4	354.4	41,400*										90
95	66.1	350.3	33,900*	67.9	352.4	41,200*	70.4	354.7	38,900							95
100	64.5	348.0	33,400*	66.3	350.2	40,000	68.9	352.8	35,900							100
105	62.9	345.5	32,900*	64.7	347.9	37,100	67.3	350.7	33,200							105
110	61.3	342.8	31,300*	63.1	345.4	34,500	65.8	348.5	30,800							110
115	59.7	339.9	29,900*	61.5	342.7	32,100	64.2	346.2	28,600	66.8	348.6	25,100				115
120	58.0	336.8	28,400*	59.8	339.9	30,000	62.6	343.6	26,600	65.2	346.4	23,300				120
125	56.3	333.6	27,000*	58.2	336.8	28,000	60.9	340.9	24,800	63.6	343.9	21,600				125
130	54.5	330.1	25,800*	56.5	333.6	26,200	59.3	338.0	23,100	62.0	341.3	20,100				130
135	52.7	326.3	24,500*	54.7	330.1	24,600	57.6	334.9	21,600	60.4	338.5	18,600				135
140	50.9	322.3	23,300*	52.9	326.4	23,000	55.9	331.5	20,200	58.7	335.6	17,300				140
145	49.0	318.1	22,200*	51.1	322.4	21,600	54.1	328.0	18,900	57.0	332.4	16,100	61.5	337.3	11,600	145
150	47.1	313.5	21,100*	49.2	318.2	20,300	52.3	324.2	17,600	55.3	329.0	15,000	59.9	334.5	10,700	150
155	45.1	308.7	20,200*	47.3	313.7	19,000	50.5	320.1	16,500	53.5	325.3	13,900	58.2	331.5	9,800	155
160	43.0	303.4	19,300*	45.3	308.9	17,900	48.6	315.8	15,400	51.7	321.5	13,000	56.5	328.2	8,900	160
165	40.8	297.8	18,400	43.2	303.7	16,800	46.6	311.2	14,400	49.8	317.3	12,000	54.8	324.7	8,100	165
170	38.6	291.7	17,300	41.1	298.1	15,800	44.6	306.2	13,500	47.9	312.9	11,200	53.0	321.1	7,400	170
175	36.2	285.0	16,300	38.8	292.0	14,800	42.5	300.9	12,600	45.9	308.2	10,400	51.2	317.1	6,700	175
180	33.7	277.8	15,400	36.5	285.5	13,900	40.3	295.2	11,800	43.9	303.1	9,600	49.3	312.9	6,000	180
185	31.0	269.8	14,500	34.0	278.3	13,100	38.1	289.0	11,000	41.8	297.6	8,900	47.4	308.4	5,400	185
190	28.0	260.8	13,600	31.3	270.4	12,300	35.7	282.2	10,200	39.6	291.7	8,200	45.4	303.6	4,800	190
195	24.8	250.5	12,800	28.4	261.5	11,500	33.1	274.8	9,500	37.2	285.3	7,500	43.3	298.4	4,300	195
200	21.0	238.5	12,000	25.1	251.4	10,800	30.3	266.6	8,900	34.8	278.4	6,900				200
205	16.5	223.4	11,300	21.5	239.6	10,100	27.3	257.4	8,200	32.2	270.7	6,300				205
210	10.0	201.5	10,600	17.0	225.0	9,400	24.0	246.8	7,600	29.3	262.2	5,800				210
215				11.0	204.4	8,700	20.1	234.2	7,000	26.2	252.5	5,200				215
220							15.3	218.2	6,400	22.7	241.3	4,700				220
225							7.9	193.0	5,800	18.6	227.8	4,200				225

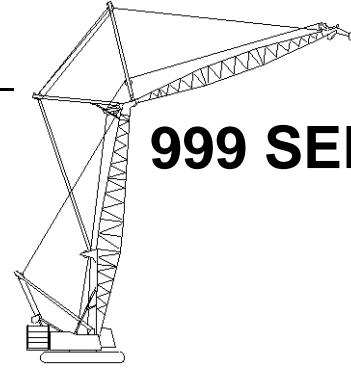


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



160 Ft. Boom, 210 Ft. Jib

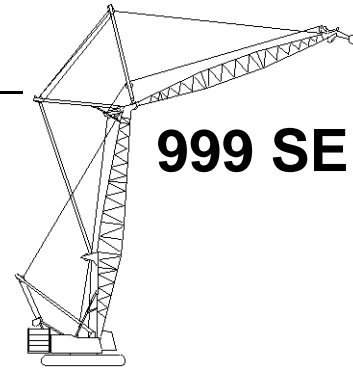
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang.	Jib Point Elev.	Luffing Jib Capacity Pounds	Jib Ang.	Jib Point Elev.	Luffing Jib Capacity Pounds	Jib Ang.	Jib Point Elev.	Luffing Jib Capacity Pounds	Jib Ang.	Jib Point Elev.	Luffing Jib Capacity Pounds	Jib Ang.	Jib Point Elev.	Luffing Jib Capacity Pounds	
	Deg.	Feet		Deg.	Feet		Deg.	Feet		Deg.	Feet		Deg.	Feet		
65	76.0	371.4	34,100*													65
70	74.6	370.0	33,800*													70
75	73.1	368.6	33,600*													75
80	71.7	366.9	33,100*	73.3	368.4	38,400*										80
85	70.3	365.2	32,600*	71.9	366.8	38,200*										85
90	68.8	363.3	32,100*	70.4	365.0	38,000*										90
95	67.3	361.2	31,600*	69.0	363.1	37,700*										95
100	65.8	359.0	31,200*	67.5	361.1	37,500*	69.9	363.5	35,400							100
105	64.3	356.7	30,700*	66.0	358.9	36,600	68.5	361.6	32,700							105
110	62.8	354.1	30,000*	64.5	356.6	34,000	67.0	359.5	30,300							110
115	61.2	351.5	28,900*	63.0	354.1	31,700	65.5	357.2	28,100	68.0	359.5	24,500				115
120	59.7	348.6	27,600*	61.4	351.4	29,500	64.0	354.8	26,100	66.5	357.4	22,700				120
125	58.1	345.5	26,300*	59.8	348.5	27,500	62.5	352.3	24,300	65.0	355.1	21,000				125
130	56.4	342.3	25,100*	58.3	345.5	25,700	60.9	349.5	22,600	63.5	352.6	19,500				130
135	54.8	338.8	24,000*	56.6	342.3	24,100	59.3	346.6	21,100	61.9	350.0	18,100				135
140	53.1	335.1	22,900*	55.0	338.8	22,500	57.7	343.5	19,700	60.4	347.2	16,800				140
145	51.3	331.2	21,800*	53.3	335.2	21,100	56.1	340.2	18,400	58.8	344.2	15,600	63.0	348.7	11,100	145
150	49.6	327.0	20,800*	51.6	331.3	19,800	54.4	336.7	17,100	57.1	341.0	14,500	61.5	346.0	10,100	150
155	47.7	322.5	19,900*	49.8	327.1	18,600	52.7	333.0	16,000	55.5	337.7	13,400	59.9	343.2	9,200	155
160	45.9	317.8	18,900*	48.0	322.7	17,400	51.0	329.0	14,900	53.8	334.1	12,400	58.3	340.1	8,400	160
165	43.9	312.7	18,000	46.1	318.0	16,300	49.2	324.7	13,900	52.1	330.3	11,500	56.7	336.9	7,600	165
170	41.9	307.3	16,900	44.1	312.9	15,300	47.3	320.2	13,000	50.3	326.2	10,700	55.0	333.5	6,800	170
175	39.8	301.4	15,900	42.1	307.5	14,400	45.4	315.4	12,100	48.5	321.9	9,900	53.3	329.8	6,200	175
180	37.6	295.1	15,000	40.0	301.7	13,500	43.5	310.2	11,300	46.7	317.2	9,100	51.6	325.9	5,500	180
185	35.3	288.2	14,100	37.9	295.5	12,600	41.4	304.7	10,500	44.8	312.3	8,400	49.8	321.8	4,900	185
190	32.8	280.7	13,200	35.6	288.7	11,800	39.3	298.8	9,800	42.8	307.0	7,700	48.0	317.4	4,300	190
195	30.2	272.5	12,400	33.1	281.3	11,100	37.1	292.3	9,100	40.7	301.4	7,100				195
200	27.3	263.2	11,600	30.5	273.1	10,300	34.8	285.3	8,400	38.6	295.2	6,400				200
205	24.1	252.7	10,900	27.7	264.0	9,600	32.3	277.7	7,700	36.3	288.6	5,900				205
210	20.5	240.3	10,200	24.5	253.6	9,000	29.6	269.2	7,100	33.9	281.4	5,300				210
215	16.1	224.8	9,500	20.9	241.4	8,300	26.7	259.7	6,600	31.4	273.5	4,800				215
220	9.8	202.4	8,800	16.6	226.4	7,700	23.4	248.8	6,000	28.6	264.7	4,300				220
225				10.7	205.3	7,100	19.6	235.9	5,400							225
230							14.9	219.4	4,900							230
235							7.7	193.6	4,400							235



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.3	380.4	31,100*										70
75	73.9	379.0	30,900*										75
80	72.6	377.5	30,600*										80
85	71.2	375.8	30,200*	72.7	377.3	34,900*							85
90	69.8	374.0	29,800*	71.3	375.6	34,700*							90
95	68.4	372.1	29,400*	70.0	373.8	34,500*							95
100	67.0	370.0	29,000*	68.6	371.9	34,300*	70.9	374.1	33,400*				100
105	65.6	367.7	28,500*	67.2	369.9	34,000*	69.5	372.3	32,000				105
110	64.1	365.4	28,100*	65.7	367.6	33,400	68.1	370.3	29,600				110
115	62.7	362.8	27,700*	64.3	365.3	31,100	66.7	368.2	27,400				115
120	61.2	360.1	26,600*	62.8	362.7	28,900	65.3	365.9	25,500	67.6	368.3	22,000	120
125	59.7	357.2	25,500*	61.4	360.1	27,000	63.8	363.5	23,600	66.2	366.1	20,300	125
130	58.2	354.2	24,400*	59.9	357.2	25,200	62.3	360.9	22,000	64.8	363.8	18,800	130
135	56.6	350.9	23,300*	58.3	354.2	23,500	60.9	358.2	20,400	63.3	361.3	17,400	135
140	55.0	347.5	22,300*	56.8	351.0	22,000	59.3	355.3	19,000	61.8	358.7	16,100	140
145	53.4	343.9	21,300*	55.2	347.5	20,600	57.8	352.2	17,700	60.3	355.9	14,900	145
150	51.8	340.0	20,300*	53.6	343.9	19,200	56.3	348.9	16,500	58.8	352.9	13,800	150
155	50.1	335.9	19,400*	52.0	340.1	18,000	54.7	345.4	15,400	57.3	349.7	12,800	155
160	48.4	331.5	18,600*	50.3	336.0	16,900	53.1	341.7	14,300	55.7	346.4	11,800	160
165	46.6	326.9	17,400	48.6	331.7	15,800	51.4	337.8	13,300	54.1	342.8	10,900	165
170	44.7	321.9	16,400	46.8	327.0	14,800	49.7	333.6	12,400	52.5	339.0	10,000	170
175	42.9	316.6	15,400	45.0	322.1	13,800	48.0	329.2	11,500	50.8	335.0	9,200	175
180	40.9	311.0	14,400	43.1	316.9	12,900	46.2	324.5	10,700	49.1	330.8	8,500	180
185	38.8	304.9	13,500	41.1	311.3	12,100	44.3	319.5	9,900	47.4	326.3	7,700	185
190	36.7	298.4	12,700	39.1	305.3	11,300	42.4	314.1	9,200	45.5	321.5	7,100	190
195	34.4	291.3	11,900	36.9	298.8	10,500	40.4	308.4	8,500	43.7	316.3	6,400	195
200	32.0	283.6	11,100	34.7	291.8	9,800	38.4	302.3	7,800	41.7	310.9	5,800	200
205	29.5	275.1	10,400	32.3	284.2	9,100	36.2	295.6	7,200	39.7	305.0	5,200	205
210	26.7	265.6	9,700	29.8	275.7	8,500	33.9	288.4	6,600	37.6	298.7	4,700	210
215	23.6	254.8	9,100	27.0	266.4	7,800	31.5	280.5	6,000	35.4	291.8	4,200	215
220	20.0	242.0	8,400	23.9	255.7	7,200	28.9	271.8	5,400				220
225	15.7	226.2	7,800	20.4	243.2	6,600	26.0	262.0	4,900				225
230	9.5	203.2	7,200	16.2	227.9	6,100	22.8	250.9	4,400				230
235				10.4	206.2	5,500							235

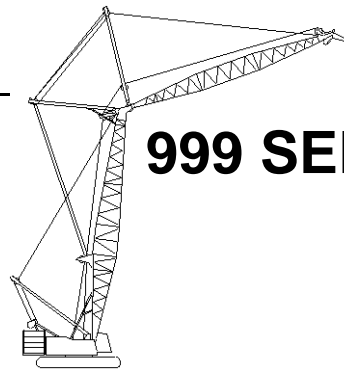


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



160 Ft. Boom, 230 Ft. Jib

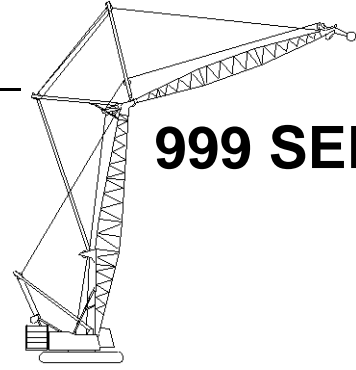
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.9	390.8	29,000*										70
75	74.6	389.4	28,700*										75
80	73.3	388.0	28,400*										80
85	72.0	386.4	28,000*	73.5	387.8	33,000*							85
90	70.7	384.6	27,600*	72.2	386.2	32,700*							90
95	69.4	382.8	27,200*	70.9	384.5	32,500*							95
100	68.1	380.8	26,800*	69.5	382.6	32,300*							100
105	66.7	378.7	26,400*	68.2	380.7	31,900*	70.4	383.0	31,600				105
110	65.3	376.4	26,100*	66.9	378.6	30,900*	69.1	381.1	29,200				110
115	63.9	374.0	25,400*	65.5	376.3	29,800*	67.8	379.1	27,000				115
120	62.6	371.5	24,400*	64.1	374.0	28,500	66.4	376.9	25,000				120
125	61.1	368.8	23,400*	62.7	371.4	26,500	65.0	374.6	23,200	67.3	377.0	19,900	125
130	59.7	365.9	22,400*	61.3	368.7	24,700	63.6	372.2	21,600	65.9	374.8	18,400	130
135	58.2	362.9	21,400*	59.9	365.9	23,100	62.2	369.6	20,000	64.6	372.5	17,000	135
140	56.8	359.6	20,500*	58.4	362.8	21,600	60.8	366.9	18,600	63.2	370.0	15,700	140
145	55.2	356.2	19,600*	56.9	359.6	20,100	59.4	364.0	17,300	61.8	367.3	14,500	145
150	53.7	352.6	18,800*	55.4	356.2	18,800	57.9	360.9	16,100	60.3	364.5	13,400	150
155	52.1	348.8	17,900*	53.9	352.7	17,600	56.4	357.6	15,000	58.9	361.5	12,300	155
160	50.5	344.7	17,200*	52.3	348.9	16,500	54.9	354.1	13,900	57.4	358.4	11,400	160
165	48.9	340.4	16,400*	50.7	344.8	15,400	53.4	350.5	12,900	55.9	355.1	10,500	165
170	47.2	335.9	15,700*	49.1	340.6	14,400	51.8	346.6	12,000	54.4	351.5	9,600	170
175	45.5	331.1	15,000	47.4	336.1	13,400	50.2	342.5	11,100	52.8	347.8	8,800	175
180	43.7	326.0	14,000	45.7	331.3	12,500	48.5	338.2	10,300	51.2	343.9	8,100	180
185	41.9	320.5	13,200	43.9	326.2	11,700	46.8	333.6	9,500	49.6	339.7	7,300	185
190	39.9	314.7	12,300	42.1	320.8	10,900	45.1	328.7	8,800	48.0	335.3	6,700	190
195	37.9	308.4	11,500	40.2	315.0	10,100	43.3	323.5	8,100	46.2	330.6	6,000	195
200	35.9	301.7	10,800	38.2	308.8	9,400	41.4	317.9	7,400	44.5	325.6	5,400	200
205	33.7	294.4	10,000	36.1	302.1	8,700	39.5	312.0	6,800	42.7	320.3	4,800	205
210	31.3	286.4	9,400	33.9	294.9	8,100	37.5	305.7	6,200	40.8	314.6	4,300	210
215	28.8	277.7	8,700	31.6	287.0	7,500	35.4	298.8	5,600				215
220	26.1	267.9	8,100	29.1	278.3	6,900	33.2	291.4	5,100				220
225	23.0	256.8	7,500	26.4	268.7	6,300	30.8	283.3	4,500				225
230	19.6	243.7	6,900	23.4	257.8	5,800	28.2	274.3	4,000				230
235	15.3	227.5	6,300	20.0	245.0	5,200							235
240	9.3	204.0	5,800	15.9	229.2	4,700							240
245				10.2	207.1	4,200							245



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

160 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Point Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Point Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Point Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
	75	75.3	399.8	26,400*						
80	74.1	398.4	26,200*							80
85	72.8	396.9	25,900*							85
90	71.6	395.2	25,600*	73.0	396.7	30,000*				90
95	70.3	393.5	25,200*	71.7	395.1	29,700*				95
100	69.0	391.6	24,900*	70.4	393.3	29,500*				100
105	67.7	389.6	24,600*	69.2	391.4	29,300*				105
110	66.4	387.4	24,200*	67.9	389.4	29,100*	70.0	391.8	28,500	110
115	65.1	385.1	23,900*	66.6	387.3	28,300*	68.7	389.9	26,400	115
120	63.8	382.7	23,400*	65.3	385.0	27,400*	67.4	387.8	24,400	120
125	62.4	380.2	22,400*	63.9	382.6	26,000	66.1	385.6	22,600	125
130	61.1	377.4	21,500*	62.6	380.1	24,200	64.8	383.3	20,900	130
135	59.7	374.6	20,600*	61.2	377.4	22,500	63.5	380.9	19,400	135
140	58.3	371.5	19,800*	59.9	374.5	21,000	62.1	378.3	18,000	140
145	56.9	368.3	19,000*	58.5	371.5	19,600	60.8	375.5	16,700	145
150	55.5	364.9	18,200*	57.1	368.3	18,300	59.4	372.6	15,500	150
155	54.0	361.3	17,400*	55.6	364.9	17,000	58.0	369.5	14,400	155
160	52.5	357.6	16,700*	54.2	361.4	15,900	56.6	366.3	13,300	160
165	51.0	353.6	16,000*	52.7	357.6	14,800	55.1	362.9	12,300	165
170	49.4	349.4	15,300*	51.1	353.7	13,800	53.7	359.2	11,400	170
175	47.8	344.9	14,500	49.6	349.5	12,900	52.2	355.4	10,500	175
180	46.2	340.2	13,500	48.0	345.1	12,000	50.6	351.4	9,700	180
185	44.5	335.2	12,600	46.4	340.4	11,100	49.1	347.1	8,900	185
190	42.7	329.9	11,800	44.7	335.4	10,400	47.4	342.6	8,200	190
195	40.9	324.2	11,000	42.9	330.1	9,600	45.8	337.8	7,500	195
200	39.1	318.2	10,200	41.1	324.5	8,900	44.1	332.8	6,800	200
205	37.1	311.8	9,500	39.3	318.6	8,200	42.3	327.4	6,200	205
210	35.1	304.8	8,900	37.3	312.2	7,600	40.5	321.7	5,600	210
215	32.9	297.3	8,200	35.3	305.3	6,900	38.6	315.5	5,000	215
220	30.6	289.2	7,600	33.2	297.8	6,300	36.7	309.0	4,500	220
225	28.2	280.2	7,000	30.9	289.8	5,800	34.6	301.9	4,000	225
230	25.5	270.2	6,400	28.5	280.9	5,200				230
235	22.5	258.8	5,900	25.8	271.0	4,700				235
240	19.1	245.4	5,300	22.9	259.8	4,200				240
245	15.0	228.8	4,800							245
250	9.1	204.8	4,300							250

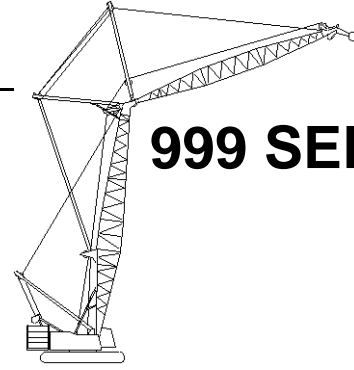


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



170 Ft. Boom, 70 Ft. Jib

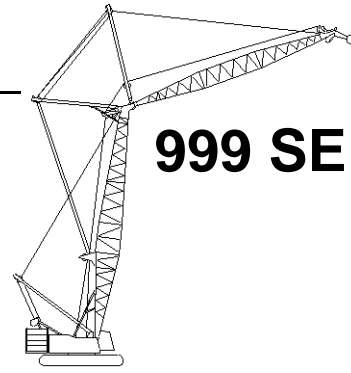
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	64.0	240.3	97,800*b																			45
50	59.3	237.5	94,400*b	64.9	240.4	111,700*b																50
55	54.4	234.1	91,700*b	60.2	237.7	105,200*b																55
60	49.1	230.0	86,000*	55.3	234.4	98,300b	63.8	238.9	93,200b													60
65	43.3	225.1	79,000*	50.1	230.5	88,700	59.1	236.0	84,100b													65
70	36.8	218.9	73,000*	44.4	225.7	80,700	54.1	232.6	76,500b	62.7	236.8	72,300b										70
75	29.1	210.8	68,400*	38.1	219.7	73,800	48.8	228.5	70,000	57.9	233.8	66,200b										75
80	18.4	198.9	65,400*	30.6	212.1	68,000	43.0	223.4	64,500	52.9	230.2	60,900										80
85				20.8	201.2	62,800	36.5	217.2	59,600	47.5	225.9	56,400	62.2	233.1	50,900b							85
90							28.6	209.0	55,400	41.5	220.6	52,300	57.4	230.0	47,300b							90
95							17.8	196.8	51,500	34.7	214.0	48,800	52.3	226.4	44,000							95
100										26.4	205.2	45,600	46.8	222.0	41,200							100
105										13.9	190.7	42,600	40.8	216.5	38,600	56.5	224.8	34,400b				105
110													33.9	209.7	36,200	51.3	221.0	32,300				110
115													25.3	200.5	34,100	45.8	216.4	30,400				115
120													11.6	184.6	32,000	39.6	210.8	28,600				120
125																32.5	203.6	27,000	49.9	214.0	23,700	125
130																23.4	193.8	25,500	44.2	209.1	22,400	130
135																6.1	173.3	23,900	37.8	203.1	21,100	135
140																			30.3	195.4	20,000	140
145																			20.3	184.3	18,900	145



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 80 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet	
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds		
45	67.5	251.4	90,600*b																			45	
50	63.5	249.0	87,200*b	68.2	251.4	107,700*b																50	
55	59.4	246.2	85,300*	64.3	249.1	101,700*b																55	
60	55.1	242.9	82,000*	60.2	246.3	96,200*b	67.3	249.9	92,700b													60	
65	50.6	238.9	75,900*	55.9	243.1	88,300	63.3	247.5	83,600b													65	
70	45.7	234.3	69,800*	51.4	239.3	80,300	59.2	244.7	76,000	66.4	247.9	71,700b										70	
75	40.3	228.8	64,500*	46.6	234.8	73,500	54.9	241.3	69,600	62.4	245.4	65,600b										75	
80	34.3	222.0	60,100*	41.4	229.5	67,700	50.3	237.4	64,100	58.2	242.5	60,400										80	
85	27.1	213.2	56,600*	35.5	223.0	62,600	45.4	232.7	59,300	53.8	239.0	55,900										85	
90	17.2	200.3	54,500*	28.5	214.7	58,200	40.1	227.1	55,000	49.2	234.9	51,900	61.9	241.7	46,600b								90
95				19.4	202.9	54,200	34.0	220.3	51,300	44.2	230.0	48,300	57.7	238.7	43,400								95
100							26.7	211.4	47,900	38.7	224.2	45,200	53.3	235.2	40,600								100
105							16.6	198.2	44,900	32.4	216.9	42,400	48.6	231.0	38,000								105
110										24.6	207.3	39,800	43.6	226.0	35,700	56.9	233.5	31,600					110
115										12.9	191.8	37,400	38.0	220.0	33,600	52.5	229.8	29,700					115
120													31.6	212.6	31,700	47.8	225.5	28,000					120
125													23.6	202.6	29,900	42.6	220.4	26,400					125
130													10.8	185.5	28,200	36.9	214.1	25,000	51.2	222.8	21,700		130
135																30.3	206.3	23,600	46.4	218.3	20,500		135
140																21.8	195.7	22,300	41.1	212.9	19,400		140
145																5.6	173.7	21,000	35.2	206.3	18,400		145
150																			28.2	197.9	17,400		150
155																			18.9	185.9	16,400		155

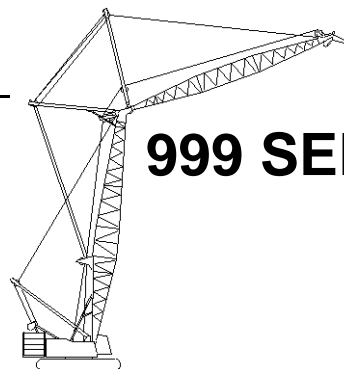


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



170 Ft. Boom, 90 Ft. Jib

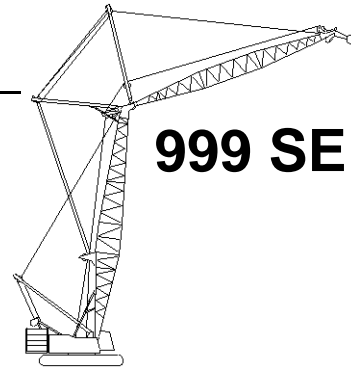
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	70.1	262.2	84,400*b																			45
50	66.7	260.1	81,300*b	70.7	262.1	101,100*b																50
55	63.1	257.7	78,500*	67.3	260.1	98,300*b																55
60	59.5	254.8	76,100*	63.8	257.8	89,000b	70.0	260.7	82,200b													60
65	55.7	251.6	73,200*	60.2	255.0	80,000	66.5	258.6	73,800b													65
70	51.7	247.8	67,600*	56.4	251.8	72,400	63.0	256.2	66,800													70
75	47.4	243.4	62,300*	52.4	248.1	66,000	59.3	253.3	60,800	65.7	256.7	55,600b										75
80	42.9	238.3	57,700*	48.2	243.9	60,600	55.5	250.0	55,700	62.1	254.1	50,900										80
85	37.9	232.2	53,700*	43.8	238.9	55,800	51.5	246.2	51,300	58.4	251.2	46,800										85
90	32.2	224.9	50,300*	38.9	233.0	51,600	47.2	241.8	47,400	54.5	247.7	43,200										90
95	25.5	215.5	47,700*	33.3	226.0	47,900	42.7	236.7	43,900	50.5	243.8	40,000	61.7	250.4	33,400							95
100	16.1	201.7	46,200*	26.8	217.0	44,500	37.6	230.6	40,900	46.2	239.2	37,200	58.0	247.4	31,000							100
105				18.2	204.5	41,500	32.0	223.1	38,100	41.5	233.8	34,600	54.1	243.9	28,800							105
110							25.1	213.6	35,600	36.3	227.5	32,300	50.0	239.9	26,800							110
115							15.6	199.5	33,200	30.4	219.6	30,200	45.7	235.2	25,000	57.3	242.1	19,800				115
120										23.1	209.4	28,200	40.9	229.8	23,300	53.4	238.6	18,400				120
125										12.1	192.8	26,400	35.7	223.3	21,800	49.2	234.5	17,100				125
130													29.7	215.2	20,400	44.8	229.7	15,900				130
135													22.2	204.6	19,000	40.0	224.0	14,800	52.3	231.6	10,600	135
140													10.1	186.3	17,700	34.7	217.3	13,800	48.1	227.4	9,800	140
145																28.5	208.9	12,800	43.6	222.4	9,000	145
150																20.5	197.5	11,900	38.6	216.4	8,300	150
155																5.2	174.1	10,900	33.1	209.3	7,500	155
160																			26.5	200.3	6,900	160
165																			17.7	187.5	6,200	165



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 100 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	72.2	272.8	79,400*b																			45
50	69.1	271.0	76,700*b	72.7	272.7	93,700*b																50
55	66.0	268.8	74,100*	69.7	270.9	91,600*b																55
60	62.8	266.3	70,900*	66.6	268.8	88,400																60
65	59.5	263.5	68,800*	63.4	266.4	79,400	69.0	269.5	73,000b													65
70	56.1	260.3	65,200*	60.1	263.7	71,800	65.9	267.4	66,000													70
75	52.6	256.6	60,400*	56.8	260.5	65,500	62.7	264.9	60,100													75
80	48.8	252.4	56,000*	53.2	256.9	60,000	59.4	262.0	55,000	65.1	265.3	50,100										80
85	44.8	247.6	51,900*	49.5	252.8	55,300	56.0	258.8	50,600	61.9	262.8	46,000										85
90	40.6	242.0	48,400*	45.6	248.1	51,100	52.4	255.0	46,800	58.6	259.8	42,400										90
95	35.8	235.5	45,300*	41.4	242.7	47,400	48.6	250.8	43,300	55.1	256.5	39,300										95
100	30.5	227.6	42,700*	36.8	236.4	44,100	44.7	246.0	40,300	51.5	252.6	36,500	61.5	259.1	30,100							100
105	24.1	217.6	40,700*	31.5	228.8	41,100	40.3	240.4	37,600	47.7	248.3	33,900	58.2	256.1	27,900							105
110	15.3	203.0	39,600*	25.4	219.3	38,500	35.6	233.8	35,100	43.6	243.3	31,700	54.7	252.7	26,000							110
115				17.2	206.0	36,000	30.2	225.8	32,800	39.2	237.4	29,600	51.1	248.8	24,200							115
120							23.8	215.7	30,700	34.4	230.6	27,700	47.3	244.3	22,600	57.6	250.8	17,500				120
125							14.7	200.8	28,800	28.8	222.2	25,900	43.2	239.2	21,100	54.1	247.3	16,300				125
130										21.9	211.3	24,300	38.7	233.3	19,700	50.4	243.4	15,100				130
135										11.5	193.8	22,700	33.8	226.3	18,400	46.5	238.8	14,000				135
140													28.1	217.7	17,200	42.4	233.6	13,000				140
145													21.0	206.4	16,100	37.9	227.5	12,100	49.4	236.3	8,100	145
150													9.6	187.1	14,900	32.8	220.2	11,200	45.4	231.6	7,400	150
155																26.9	211.3	10,400	41.2	226.1	6,700	155
160																19.4	199.2	9,500	36.5	219.8	6,100	160
165																4.9	174.4	8,600	31.3	212.1	5,500	165
170																			25.1	202.5	4,900	170
175																			16.8	188.9	4,300	175

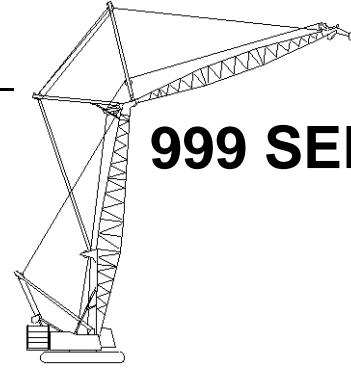


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



170 Ft. Boom, 110 Ft. Jib

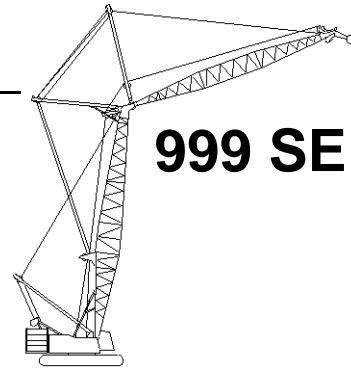
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	73.9	283.3	73,800*b																			45
50	71.1	281.6	71,600*b																			50
55	68.3	279.7	68,500*	71.6	281.6	85,200*b																55
60	65.5	277.5	66,400*	68.8	279.7	83,100*																60
65	62.6	275.0	64,400*	66.0	277.6	79,200	71.0	280.2	72,800													65
70	59.6	272.2	62,700*	63.1	275.1	71,700	68.2	278.3	65,800													70
75	56.5	269.0	58,800*	60.1	272.3	65,300	65.4	276.0	59,900													75
80	53.3	265.4	54,700*	57.1	269.2	59,900	62.4	273.5	54,900	67.5	276.3	49,900										80
85	49.9	261.3	50,900*	53.9	265.7	55,100	59.4	270.7	50,500	64.6	274.0	45,800										85
90	46.4	256.7	47,500*	50.5	261.7	51,000	56.3	267.4	46,600	61.7	271.4	42,200										90
95	42.6	251.5	44,200*	47.0	257.2	47,300	53.1	263.8	43,200	58.7	268.5	39,100										95
100	38.6	245.5	41,400*	43.3	252.1	44,000	49.8	259.7	40,200	55.6	265.2	36,300										100
105	34.1	238.6	39,000*	39.3	246.3	41,100	46.2	255.1	37,400	52.3	261.4	33,800	61.4	267.7	27,700							105
110	29.0	230.2	36,900*	35.0	239.5	38,500	42.4	249.9	35,000	48.9	257.2	31,500	58.3	264.7	25,800							110
115	22.9	219.6	35,400*	30.0	231.5	36,000	38.4	243.9	32,700	45.3	252.5	29,500	55.2	261.4	24,000							115
120	14.5	204.3	34,600*	24.2	221.4	33,800	33.9	236.8	30,700	41.5	247.1	27,600	51.9	257.6	22,400							120
125				16.4	207.4	31,700	28.8	228.4	28,800	37.3	240.8	25,900	48.5	253.3	20,900	57.8	259.5	16,000				125
130							22.6	217.7	27,100	32.7	233.5	24,300	44.9	248.5	19,500	54.6	256.1	14,900				130
135							14.0	202.0	25,400	27.4	224.6	22,800	41.0	243.0	18,300	51.3	252.2	13,800				135
140										20.8	213.1	21,400	36.8	236.7	17,100	47.9	247.8	12,800				140
145										10.9	194.7	20,000	32.1	229.2	16,000	44.2	242.9	11,900				145
150													26.7	220.1	15,000	40.3	237.3	11,000	50.4	245.2	7,200	150
155													20.0	208.1	14,000	36.0	230.8	10,200	46.9	240.7	6,500	155
160													9.1	187.8	13,000	31.2	223.0	9,500	43.2	235.6	5,900	160
165																25.6	213.5	8,700	39.2	229.7	5,300	165
170																18.5	200.8	8,000	34.8	222.9	4,800	170
175																4.7	174.8	7,200	29.8	214.8	4,200	175



Liftcrane Luffing Jib Capacities

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

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



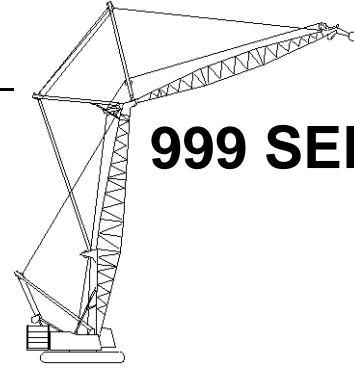
999 SERIES 2

170 Ft. Boom, 120 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.2	293.7	68,400*b																45
50	72.8	292.2	65,800*b																50
55	70.2	290.5	64,700*	73.2	292.1	78,900*b													55
60	67.7	288.5	62,900*	70.7	290.4	77,400*													60
65	65.0	286.2	61,100*	68.1	288.5	76,100*													65
70	62.4	283.7	58,600*	65.5	286.3	71,100	70.1	289.0	65,100										70
75	59.6	280.8	56,900*	62.9	283.8	64,700	67.5	287.0	59,200										75
80	56.8	277.7	53,000*	60.1	281.0	59,300	64.9	284.7	54,200										80
85	53.9	274.1	49,400*	57.3	277.9	54,600	62.2	282.2	49,800	66.9	285.1	45,000							85
90	50.8	270.2	46,200*	54.4	274.4	50,400	59.5	279.3	45,900	64.3	282.7	41,500							90
95	47.6	265.8	43,100*	51.4	270.5	46,800	56.7	276.1	42,500	61.6	280.1	38,300							95
100	44.3	260.8	40,400*	48.2	266.2	43,500	53.7	272.6	39,500	58.8	277.2	35,500							100
105	40.7	255.2	37,800*	44.9	261.4	40,600	50.7	268.6	36,800	55.9	273.9	33,100							105
110	36.8	248.9	35,600*	41.4	255.9	37,900	47.5	264.2	34,400	53.0	270.2	30,800	61.3	276.4	24,900				110
115	32.6	241.5	33,600*	37.6	249.7	35,500	44.1	259.2	32,200	49.9	266.2	28,800	58.5	273.4	23,200				115
120	27.7	232.7	32,100*	33.4	242.6	33,400	40.5	253.6	30,100	46.7	261.6	26,900	55.6	270.1	21,600				120
125	21.9	221.5	30,800*	28.7	234.0	31,300	36.6	247.2	28,300	43.3	256.5	25,200	52.7	266.4	20,100				125
130	13.9	205.4	30,200*	23.1	223.4	29,500	32.4	239.8	26,600	39.6	250.7	23,600	49.6	262.3	18,800	58.0	268.2	14,000	130
135				15.7	208.7	27,700	27.5	230.9	25,000	35.6	244.1	22,200	46.3	257.7	17,500	55.1	264.8	12,900	135
140							21.6	219.6	23,500	31.2	236.3	20,800	42.9	252.5	16,400	52.1	261.0	12,000	140
145							13.4	203.1	22,100	26.2	227.0	19,600	39.2	246.6	15,300	49.0	256.8	11,100	145
150										19.9	214.8	18,400	35.2	239.9	14,300	45.7	252.1	10,200	150
155										10.4	195.6	17,200	30.7	232.0	13,400	42.2	246.8	9,500	155
160													25.5	222.4	12,500	38.5	240.8	8,700	160
165													19.1	209.8	11,600	34.4	233.9	8,000	165
170													8.7	188.6	10,700	29.8	225.7	7,400	170
175																24.5	215.7	6,700	175
180																17.7	202.3	6,100	180
185																4.4	175.1	5,400	185



Liftcrane Luffing Jib Capacities



999 SERIES 2

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

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

170 Ft. Boom, 130 Ft. Jib

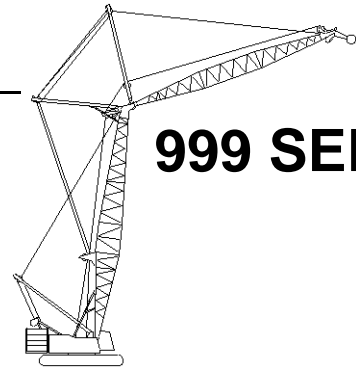
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.1	302.7	61,400*																50
55	71.8	301.1	59,800*																55
60	69.5	299.3	58,200*	72.2	301.0	72,100*													60
65	67.1	297.2	57,300*	69.9	299.2	71,200*													65
70	64.7	294.9	55,100*	67.5	297.2	69,000*													70
75	62.2	292.3	54,400*	65.1	295.0	64,300	69.4	297.8	58,700										75
80	59.6	289.5	51,500*	62.6	292.4	58,800	67.0	295.7	53,600										80
85	57.0	286.3	48,100*	60.1	289.6	54,100	64.5	293.4	49,300										85
90	54.3	282.9	45,000*	57.5	286.6	50,000	62.1	290.9	45,400	66.4	293.8	40,900							90
95	51.6	279.0	42,100*	54.9	283.1	46,300	59.5	288.0	42,000	63.9	291.4	37,800							95
100	48.7	274.7	39,500*	52.1	279.4	43,100	56.9	284.8	39,000	61.5	288.8	35,000							100
105	45.6	270.0	37,100*	49.2	275.2	40,200	54.2	281.3	36,300	58.9	285.8	32,500							105
110	42.4	264.7	34,700*	46.2	270.5	37,500	51.4	277.5	33,900	56.3	282.6	30,300							110
115	39.0	258.8	32,700*	43.0	265.4	35,200	48.5	273.2	31,700	53.6	279.0	28,300	61.2	285.0	22,600				115
120	35.3	252.1	31,000*	39.7	259.6	33,000	45.5	268.4	29,700	50.7	275.0	26,400	58.6	282.1	21,000				120
125	31.2	244.3	29,400*	36.0	253.0	31,000	42.3	263.1	27,900	47.8	270.6	24,700	56.0	278.8	19,600				125
130	26.6	235.0	28,200*	32.0	245.4	29,200	38.9	257.2	26,200	44.7	265.8	23,200	53.2	275.2	18,200				130
135	21.0	223.4	27,200*	27.5	236.5	27,500	35.1	250.4	24,600	41.5	260.3	21,700	50.4	271.1	17,000				135
140	13.3	206.6	26,800*	22.1	225.4	25,900	31.0	242.5	23,100	38.0	254.2	20,400	47.5	266.7	15,900	55.5	273.5	11,400	140
145				15.0	210.0	24,400	26.4	233.2	21,800	34.2	247.2	19,200	44.4	261.8	14,800	52.7	269.8	10,500	145
150							20.7	221.4	20,500	30.0	239.0	18,000	41.1	256.2	13,800	49.9	265.7	9,700	150
155							12.8	204.2	19,300	25.1	229.2	16,900	37.6	250.0	12,900	46.9	261.2	8,900	155
160										19.1	216.5	15,900	33.7	242.9	12,000	43.8	256.2	8,200	160
165										10.0	196.4	14,800	29.5	234.6	11,200	40.5	250.5	7,500	165
170													24.5	224.5	10,400	36.9	244.1	6,900	170
175													18.3	211.4	9,700	33.0	236.8	6,300	175
180													8.3	189.2	8,900	28.6	228.3	5,700	180
185																23.5	217.8	5,100	185
190																16.9	203.8	4,500	190



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 140 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.3	313.0	57,800*																50
55	73.1	311.6	56,400*																55
60	71.0	309.9	55,000*	73.5	311.5	66,600*													60
65	68.8	308.0	53,000*	71.4	309.9	65,800*													65
70	66.6	305.9	51,600*	69.2	308.0	64,500*													70
75	64.3	303.6	51,000*	67.0	305.9	62,400*	70.9	308.5	58,000										75
80	62.0	301.0	49,200*	64.7	303.6	58,200	68.7	306.6	52,900										80
85	59.7	298.2	46,700*	62.5	301.1	53,500	66.5	304.5	48,600										85
90	57.3	295.0	43,800*	60.1	298.3	49,400	64.2	302.1	44,700										90
95	54.8	291.6	41,000*	57.7	295.2	45,700	61.9	299.5	41,400	65.9	302.5	37,000							95
100	52.2	287.8	38,500*	55.2	291.9	42,500	59.6	296.7	38,400	63.7	300.1	34,300							100
105	49.5	283.7	36,100*	52.7	288.1	39,600	57.1	293.5	35,700	61.3	297.4	31,800							105
110	46.8	279.1	34,100*	50.0	284.1	37,000	54.7	290.1	33,300	59.0	294.5	29,600							110
115	43.9	274.1	32,100*	47.3	279.6	34,600	52.1	286.3	31,100	56.5	291.3	27,600							115
120	40.8	268.5	30,200*	44.4	274.6	32,400	49.4	282.1	29,100	54.0	287.7	25,700	61.1	293.7	20,200				120
125	37.5	262.2	28,600*	41.4	269.2	30,400	46.6	277.5	27,200	51.4	283.9	24,000	58.7	290.7	18,800				125
130	34.0	255.1	27,100*	38.1	263.0	28,600	43.7	272.5	25,600	48.8	279.6	22,500	56.3	287.5	17,400				130
135	30.1	247.0	25,900*	34.7	256.1	26,900	40.7	266.8	24,000	46.0	274.9	21,100	53.7	283.9	16,200				135
140	25.6	237.3	24,900*	30.8	248.2	25,400	37.4	260.6	22,600	43.0	269.7	19,800	51.1	280.0	15,100				140
145	20.2	225.1	24,100*	26.5	238.8	23,900	33.8	253.4	21,200	39.9	264.0	18,500	48.4	275.7	14,100	55.8	282.2	9,700	145
150	12.8	207.7	23,800*	21.3	227.3	22,600	29.9	245.2	20,000	36.5	257.5	17,400	45.6	270.9	13,100	53.3	278.6	8,900	150
155				14.4	211.3	21,200	25.4	235.4	18,800	32.9	250.1	16,300	42.7	265.7	12,200	50.7	274.6	8,100	155
160							19.9	223.1	17,700	28.8	241.6	15,300	39.5	259.9	11,300	47.9	270.2	7,400	160
165							12.3	205.2	16,600	24.2	231.3	14,300	36.1	253.3	10,500	45.1	265.4	6,700	165
170										18.4	218.1	13,400	32.5	245.8	9,800	42.1	260.0	6,100	170
175										9.6	197.2	12,500	28.3	237.1	9,000	38.9	254.1	5,500	175
180													23.6	226.6	8,300	35.5	247.4	4,900	180
185													17.6	212.9	7,700	31.7	239.7	4,400	185
190													8.0	189.9	7,000				190

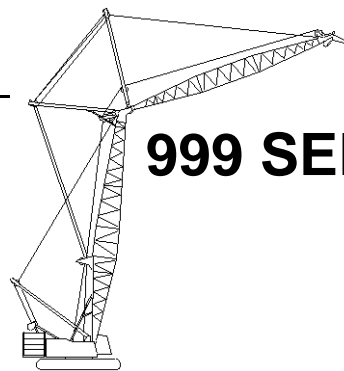


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



170 Ft. Boom, 150 Ft. Jib

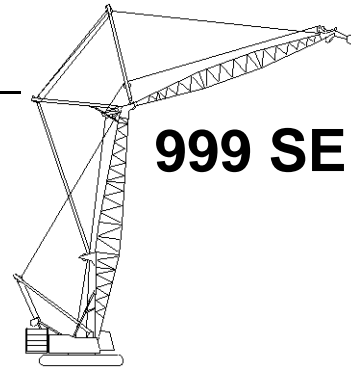
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.3	322.0	52,600*																55
60	72.3	320.5	51,400*																60
65	70.3	318.7	49,600*	72.7	320.4	61,100*													65
70	68.2	316.8	49,100*	70.7	318.7	60,200*													70
75	66.2	314.6	47,900*	68.6	316.8	59,400*													75
80	64.0	312.3	46,800*	66.5	314.7	56,700*	70.2	317.3	52,700										80
85	61.9	309.7	45,200*	64.4	312.3	53,300	68.1	315.3	48,300										85
90	59.7	306.8	42,500*	62.3	309.8	49,200	66.1	313.2	44,500										90
95	57.4	303.7	40,000*	60.1	307.0	45,500	63.9	310.8	41,100	67.6	313.4	36,800							95
100	55.1	300.3	37,600*	57.9	303.9	42,300	61.8	308.2	38,100	65.5	311.2	34,000							100
105	52.8	296.6	35,400*	55.6	300.6	39,400	59.6	305.3	35,400	63.4	308.8	31,500							105
110	50.3	292.5	33,300*	53.2	296.9	36,800	57.3	302.2	33,000	61.3	306.1	29,300							110
115	47.7	288.1	31,400*	50.8	292.9	34,400	55.0	298.8	30,800	59.0	303.1	27,300							115
120	45.1	283.3	29,700*	48.2	288.6	32,200	52.6	295.1	28,800	56.8	300.0	25,500							120
125	42.3	278.0	28,100*	45.6	283.8	30,300	50.2	291.0	27,000	54.4	296.5	23,800	61.0	302.4	18,500				125
130	39.3	272.1	26,500*	42.8	278.6	28,400	47.6	286.6	25,300	52.1	292.7	22,300	58.8	299.4	17,200				130
135	36.2	265.5	25,200*	39.9	272.8	26,800	45.0	281.7	23,800	49.6	288.5	20,800	56.5	296.2	16,000				135
140	32.8	258.1	24,000*	36.8	266.4	25,200	42.2	276.3	22,400	47.0	284.0	19,500	54.2	292.7	14,900				140
145	29.0	249.6	23,000*	33.4	259.1	23,800	39.2	270.4	21,000	44.3	279.0	18,300	51.8	288.8	13,800				145
150	24.7	239.5	22,200*	29.7	250.8	22,400	36.0	263.8	19,800	41.5	273.5	17,200	49.3	284.6	12,900	56.1	290.9	8,600	150
155	19.5	226.8	21,600*	25.5	241.1	21,200	32.6	256.4	18,700	38.5	267.5	16,100	46.7	280.0	11,900	53.7	287.3	7,800	155
160	12.3	208.7	21,300*	20.6	229.1	20,000	28.8	247.8	17,600	35.2	260.7	15,100	44.0	275.0	11,100	51.3	283.4	7,100	160
165				13.9	212.4	18,800	24.5	237.6	16,500	31.7	253.0	14,200	41.1	269.5	10,300	48.8	279.2	6,500	165
170							19.2	224.8	15,600	27.8	244.0	13,300	38.1	263.3	9,600	46.2	274.5	5,900	170
175							11.9	206.2	14,600	23.3	233.4	12,500	34.9	256.4	8,800	43.5	269.4	5,300	175
180										17.7	219.6	11,700	31.3	248.6	8,200	40.6	263.8	4,700	180
185										9.2	198.0	10,800	27.3	239.5	7,500	37.5	257.5	4,200	185
190													22.8	228.6	6,900				190
195													17.0	214.4	6,300				195
200													7.7	190.5	5,700				200



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 160 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.3	332.4	48,800*																55
60	73.4	331.0	47,800*																60
65	71.6	329.4	46,800*	73.8	330.9	56,100*													65
70	69.7	327.5	45,800*	71.9	329.3	55,700*													70
75	67.7	325.6	44,800*	70.0	327.5	55,000*													75
80	65.8	323.4	43,800*	68.1	325.5	54,100*													80
85	63.8	321.0	42,900*	66.1	323.4	51,800*	69.6	326.1	47,600										85
90	61.8	318.3	41,500*	64.2	321.0	48,600	67.6	324.1	43,800										90
95	59.7	315.5	39,100*	62.1	318.4	44,900	65.7	321.9	40,400										95
100	57.6	312.4	36,900*	60.1	315.6	41,700	63.7	319.5	37,500	67.2	322.1	33,300							100
105	55.4	309.0	34,800*	58.0	312.6	38,800	61.7	316.8	34,800	65.2	319.9	30,800							105
110	53.2	305.4	32,800*	55.8	309.3	36,200	59.6	314.0	32,400	63.2	317.4	28,600							110
115	50.9	301.4	31,000*	53.6	305.7	33,800	57.5	310.9	30,200	61.2	314.7	26,600							115
120	48.6	297.1	29,200*	51.4	301.8	31,700	55.3	307.5	28,200	59.1	311.8	24,800							120
125	46.1	292.4	27,700*	49.0	297.5	29,700	53.1	303.8	26,400	57.0	308.6	23,100	63.0	313.7	17,700				125
130	43.6	287.3	26,200*	46.6	292.9	27,900	50.8	299.8	24,700	54.8	305.2	21,600	60.9	311.0	16,400				130
135	40.9	281.7	24,900*	44.0	287.9	26,200	48.5	295.5	23,200	52.6	301.5	20,200	58.9	308.1	15,200				135
140	38.0	275.5	23,600*	41.4	282.4	24,700	46.0	290.8	21,800	50.3	297.4	18,900	56.7	304.9	14,100				140
145	35.0	268.7	22,500*	38.6	276.3	23,200	43.4	285.7	20,400	47.9	293.0	17,700	54.6	301.4	13,100				145
150	31.7	260.9	21,500*	35.6	269.6	21,900	40.8	280.1	19,200	45.4	288.2	16,500	52.3	297.6	12,100				150
155	28.0	252.1	20,600*	32.3	262.0	20,700	37.9	273.9	18,100	42.8	283.0	15,500	50.0	293.5	11,200	56.3	299.6	7,000	155
160	23.9	241.6	20,000*	28.8	253.4	19,500	34.8	267.0	17,000	40.1	277.2	14,500	47.6	289.1	10,400	54.2	296.1	6,300	160
165	18.9	228.5	19,500*	24.7	243.3	18,400	31.5	259.2	16,000	37.2	270.8	13,600	45.1	284.2	9,600	51.9	292.2	5,700	165
170	11.9	209.7	18,800	19.9	230.8	17,300	27.9	250.3	15,000	34.1	263.7	12,700	42.5	278.9	8,900	49.6	288.1	5,100	170
175				13.5	213.6	16,300	23.7	239.7	14,100	30.7	255.7	11,900	39.8	273.1	8,200	47.2	283.6	4,500	175
180							18.6	226.4	13,300	26.9	246.4	11,100	36.8	266.7	7,500				180
185							11.5	207.2	12,400	22.5	235.3	10,300	33.7	259.5	6,900				185
190										17.2	221.1	9,600	30.3	251.3	6,300				190
195										8.9	198.7	8,900	26.4	241.9	5,700				195
200													22.0	230.5	5,100				200
205													16.4	215.8	4,600				205
210													7.4	191.2	4,000				210

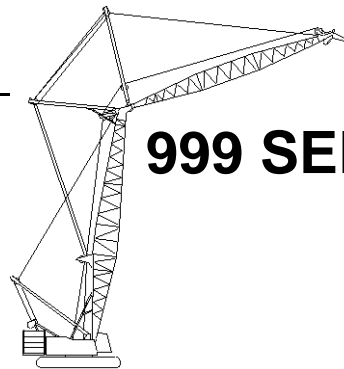


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



170 Ft. Boom, 170 Ft. Jib

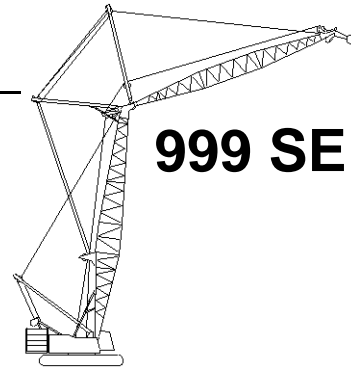
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.4	341.4	44,600*													60
65	72.7	339.9	43,700*													65
70	70.9	338.2	42,900*	73.0	339.8	51,500*										70
75	69.1	336.3	42,000*	71.2	338.1	51,100*										75
80	67.3	334.3	41,100*	69.4	336.3	50,400*										80
85	65.4	332.1	39,800*	67.6	334.3	49,400*	70.8	336.8	47,100							85
90	63.6	329.6	39,000*	65.8	332.1	47,300*	69.0	334.9	43,300							90
95	61.7	327.0	37,900*	63.9	329.7	44,400	67.2	332.8	39,900							95
100	59.7	324.1	35,900*	62.0	327.1	41,200	65.4	330.6	36,900							100
105	57.7	321.0	33,900*	60.1	324.3	38,300	63.5	328.2	34,300	66.8	330.9	30,200				105
110	55.7	317.7	32,100*	58.1	321.2	35,700	61.6	325.5	31,900	64.9	328.6	28,000				110
115	53.6	314.1	30,300*	56.1	318.0	33,300	59.6	322.6	29,700	63.0	326.1	26,000				115
120	51.5	310.2	28,700*	54.0	314.4	31,200	57.7	319.5	27,700	61.1	323.4	24,200				120
125	49.3	306.0	27,200*	51.9	310.6	29,200	55.6	316.2	25,900	59.2	320.5	22,600				125
130	47.0	301.5	25,700*	49.7	306.4	27,400	53.5	312.6	24,200	57.2	317.3	21,000	62.8	322.4	15,800	130
135	44.7	296.6	24,500*	47.5	302.0	25,800	51.4	308.7	22,700	55.1	313.9	19,600	60.9	319.7	14,600	135
140	42.2	291.2	23,200*	45.1	297.1	24,200	49.2	304.5	21,300	53.0	310.2	18,400	58.9	316.7	13,500	140
145	39.6	285.3	22,100*	42.7	291.8	22,800	46.9	299.9	20,000	50.9	306.3	17,100	56.9	313.5	12,500	145
150	36.8	278.9	21,000*	40.1	286.1	21,500	44.6	295.0	18,800	48.7	302.0	16,000	54.9	310.1	11,500	150
155	33.9	271.7	20,100*	37.4	279.7	20,200	42.1	289.6	17,600	46.4	297.3	15,000	52.8	306.4	10,700	155
160	30.7	263.7	19,300*	34.5	272.7	19,100	39.5	283.7	16,500	44.0	292.3	14,000	50.6	302.4	9,800	160
165	27.2	254.5	18,600*	31.3	264.8	18,000	36.7	277.2	15,500	41.5	286.8	13,100	48.4	298.1	9,100	165
170	23.2	243.6	18,000*	27.9	255.9	17,000	33.8	270.0	14,600	38.8	280.7	12,200	46.1	293.4	8,300	170
175	18.3	230.1	17,500	23.9	245.4	16,000	30.6	261.9	13,700	36.0	274.1	11,400	43.7	288.3	7,600	175
180	11.5	210.7	16,500	19.3	232.5	15,100	27.0	252.7	12,900	33.0	266.7	10,600	41.2	282.7	7,000	180
185				13.1	214.7	14,100	22.9	241.7	12,100	29.7	258.4	9,900	38.5	276.6	6,400	185
190							18.0	228.0	11,300	26.1	248.7	9,200	35.7	269.9	5,800	190
195							11.1	208.2	10,500	21.9	237.3	8,500	32.7	262.4	5,200	195
200										16.6	222.6	7,900	29.3	253.9	4,700	200
205										8.6	199.4	7,200	25.6	244.2	4,200	205



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 180 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.3	351.8	41,400*													60
65	73.7	350.4	40,700*													65
70	72.0	348.8	40,000*	74.0	350.2	47,400*										70
75	70.3	347.0	39,200*	72.3	348.7	47,100*										75
80	68.6	345.1	38,000*	70.6	347.0	46,800*										80
85	66.9	343.0	37,700*	68.9	345.1	46,600*										85
90	65.1	340.8	37,000*	67.2	343.0	45,000*	70.2	345.6	42,600							90
95	63.4	338.3	35,900*	65.5	340.8	43,200*	68.5	343.7	39,200							95
100	61.6	335.7	34,700*	63.7	338.4	40,600	66.8	341.6	36,300							100
105	59.7	332.8	32,900*	61.9	335.8	37,700	65.1	339.3	33,600							105
110	57.9	329.7	31,200*	60.1	333.0	35,100	63.3	336.8	31,200	66.4	339.6	27,300				110
115	56.0	326.4	29,600*	58.2	329.9	32,800	61.5	334.2	29,000	64.6	337.3	25,300				115
120	54.0	322.9	28,000*	56.3	326.7	30,600	59.7	331.3	27,000	62.9	334.8	23,500				120
125	52.0	319.0	26,600*	54.4	323.1	28,600	57.8	328.2	25,200	61.0	332.1	21,900				125
130	49.9	314.9	25,200*	52.4	319.4	26,900	55.9	324.9	23,600	59.2	329.1	20,300				130
135	47.8	310.5	23,900*	50.3	315.3	25,200	53.9	321.3	22,100	57.3	326.0	18,900	62.7	331.1	13,800	135
140	45.6	305.7	22,700*	48.2	310.9	23,700	51.9	317.5	20,700	55.4	322.6	17,700	60.8	328.3	12,700	140
145	43.3	300.5	21,700*	46.0	306.2	22,200	49.9	313.4	19,300	53.4	319.0	16,500	59.0	325.4	11,700	145
150	40.9	294.9	20,600*	43.8	301.1	20,900	47.7	308.9	18,100	51.4	315.1	15,400	57.1	322.2	10,800	150
155	38.4	288.8	19,700*	41.4	295.6	19,700	45.5	304.1	17,000	49.3	310.9	14,300	55.2	318.8	9,900	155
160	35.8	282.1	18,800*	38.9	289.6	18,500	43.2	298.9	15,900	47.2	306.4	13,300	53.2	315.2	9,100	160
165	32.9	274.7	18,000*	36.3	283.0	17,500	40.8	293.3	14,900	45.0	301.5	12,400	51.2	311.2	8,300	165
170	29.8	266.3	17,300*	33.5	275.7	16,400	38.3	287.2	14,000	42.7	296.2	11,600	49.1	307.0	7,600	170
175	26.4	256.8	16,700*	30.4	267.6	15,500	35.6	280.4	13,100	40.2	290.4	10,800	46.9	302.4	6,900	175
180	22.5	245.6	16,100	27.1	258.3	14,600	32.8	273.0	12,300	37.7	284.2	10,000	44.7	297.5	6,300	180
185	17.8	231.6	15,100	23.2	247.4	13,700	29.7	264.6	11,500	35.0	277.3	9,300	42.4	292.2	5,700	185
190	11.2	211.7	14,200	18.7	234.1	12,900	26.2	255.0	10,700	32.0	269.6	8,600	39.9	286.4	5,100	190
195				12.7	215.8	12,000	22.3	243.7	10,000	28.9	260.9	8,000	37.4	280.0	4,500	195
200							17.5	229.5	9,300	25.3	251.0	7,300	34.6	273.0	4,000	200
205							10.8	209.1	8,600	21.2	239.1	6,700				205
210										16.1	224.0	6,100				210
215										8.4	200.2	5,500				215

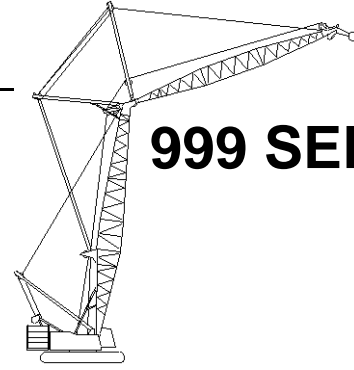


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



170 Ft. Boom, 190 Ft. Jib

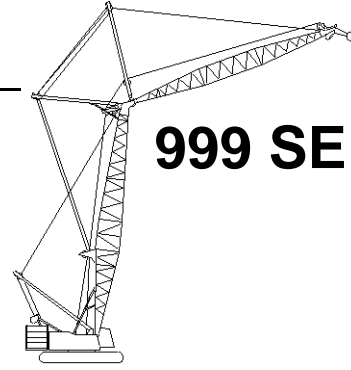
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
	65	74.6	360.8	37,900*												
70	73.0	359.3	37,300*													70
75	71.4	357.6	36,600*	73.3	359.2	43,400*										75
80	69.8	355.8	35,900*	71.7	357.6	43,100*										80
85	68.2	353.9	35,300*	70.1	355.8	42,900*										85
90	66.5	351.8	34,700*	68.5	353.9	42,700*										90
95	64.9	349.5	33,700*	66.8	351.8	41,200*	69.7	354.4	38,900							95
100	63.2	347.0	33,400*	65.2	349.5	39,600*	68.1	352.4	36,000							100
105	61.5	344.3	31,900*	63.5	347.1	37,400	66.5	350.3	33,300							105
110	59.8	341.5	30,300*	61.8	344.4	34,800	64.8	348.0	30,900	67.7	350.5	27,000				110
115	58.0	338.4	28,800*	60.1	341.6	32,500	63.1	345.5	28,700	66.1	348.3	25,000				115
120	56.2	335.1	27,400*	58.3	338.6	30,300	61.4	342.8	26,800	64.4	346.0	23,200				120
125	54.3	331.6	26,000*	56.5	335.3	28,400	59.7	340.0	24,900	62.7	343.4	21,600				125
130	52.5	327.8	24,700*	54.7	331.9	26,600	57.9	336.9	23,300	61.0	340.7	20,000				130
135	50.5	323.8	23,500*	52.8	328.1	24,900	56.1	333.6	21,800	59.2	337.8	18,700				135
140	48.5	319.5	22,300*	50.9	324.2	23,400	54.3	330.1	20,400	57.5	334.7	17,400	62.5	339.7	12,400	140
145	46.5	314.8	21,200*	48.9	319.9	22,000	52.4	326.3	19,100	55.7	331.3	16,200	60.8	337.0	11,400	145
150	44.3	309.8	20,200*	46.8	315.3	20,600	50.4	322.2	17,800	53.8	327.7	15,100	59.0	334.1	10,500	150
155	42.1	304.4	19,300*	44.7	310.4	19,400	48.4	317.9	16,700	51.9	323.9	14,000	57.3	330.9	9,600	155
160	39.8	298.6	18,500*	42.5	305.1	18,300	46.4	313.2	15,700	49.9	319.8	13,100	55.4	327.5	8,800	160
165	37.4	292.2	17,700*	40.2	299.3	17,200	44.2	308.2	14,700	47.9	315.4	12,200	53.6	323.9	8,000	165
170	34.8	285.3	16,900*	37.8	293.0	16,200	42.0	302.8	13,700	45.9	310.6	11,300	51.7	320.0	7,300	170
175	32.0	277.6	16,200*	35.3	286.2	15,200	39.7	296.9	12,900	43.7	305.5	10,500	49.7	315.9	6,600	175
180	29.0	268.9	15,700*	32.5	278.6	14,300	37.2	290.6	12,000	41.5	300.0	9,700	47.7	311.4	6,000	180
185	25.7	259.1	14,900	29.6	270.2	13,500	34.6	283.6	11,200	39.1	294.0	9,000	45.6	306.7	5,400	185
190	21.9	247.5	14,100	26.3	260.6	12,600	31.9	275.8	10,500	36.6	287.5	8,400	43.4	301.5	4,800	190
195	17.3	233.1	13,200	22.6	249.4	11,900	28.8	267.1	9,800	34.0	280.3	7,700	41.2	295.9	4,300	195
200	10.9	212.6	12,400	18.2	235.7	11,100	25.5	257.2	9,100	31.2	272.4	7,100				200
205				12.3	216.9	10,400	21.7	245.6	8,500	28.1	263.4	6,500				205
210							17.0	231.0	7,800	24.6	253.2	5,900				210
215							10.5	210.0	7,200	20.6	240.9	5,400				215
220										15.7	225.3	4,900				220
225										8.2	200.8	4,300				225



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 200 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
65	75.4	371.1	35,000*													65
70	73.9	369.7	34,600*													70
75	72.4	368.2	34,100*													75
80	70.9	366.5	33,500*	72.6	368.1	39,700*										80
85	69.3	364.6	32,900*	71.1	366.4	39,400*										85
90	67.8	362.6	32,400*	69.6	364.6	39,200*										90
95	66.2	360.5	31,800*	68.1	362.6	38,900*	70.8	365.0	38,200*							95
100	64.6	358.1	31,300*	66.5	360.5	37,700*	69.3	363.2	35,300							100
105	63.0	355.7	30,700*	64.9	358.2	36,300*	67.7	361.2	32,600							105
110	61.4	353.0	29,300*	63.3	355.7	34,200	66.2	359.0	30,200							110
115	59.8	350.1	27,900*	61.7	353.1	31,900	64.6	356.7	28,100	67.3	359.2	24,300				115
120	58.1	347.1	26,600*	60.1	350.3	29,700	63.0	354.2	26,100	65.8	357.0	22,500				120
125	56.4	343.8	25,300*	58.4	347.3	27,800	61.3	351.5	24,300	64.2	354.7	20,800				125
130	54.6	340.3	24,100*	56.7	344.0	26,000	59.7	348.6	22,700	62.6	352.1	19,300				130
135	52.8	336.6	22,900*	55.0	340.6	24,300	58.0	345.6	21,100	60.9	349.4	18,000				135
140	51.0	332.6	21,800*	53.2	336.9	22,800	56.3	342.3	19,700	59.3	346.5	16,700				140
145	49.1	328.4	20,800*	51.4	333.0	21,400	54.6	338.8	18,400	57.6	343.3	15,500	62.4	348.4	10,600	145
150	47.2	323.9	19,800*	49.5	328.8	20,100	52.8	335.1	17,200	55.9	340.0	14,400	60.8	345.7	9,700	150
155	45.2	319.0	18,900*	47.6	324.3	18,900	50.9	331.1	16,100	54.1	336.5	13,400	59.1	342.7	8,800	155
160	43.1	313.8	18,000*	45.6	319.5	17,700	49.1	326.8	15,000	52.3	332.7	12,400	57.4	339.6	8,000	160
165	41.0	308.2	17,300*	43.5	314.4	16,600	47.1	322.3	14,100	50.5	328.6	11,500	55.7	336.2	7,300	165
170	38.7	302.1	16,500*	41.4	308.9	15,600	45.1	317.4	13,100	48.6	324.3	10,700	53.9	332.7	6,600	170
175	36.4	295.5	15,900*	39.2	302.9	14,700	43.0	312.2	12,300	46.6	319.7	9,900	52.1	328.8	5,900	175
180	33.9	288.3	15,200*	36.8	296.4	13,800	40.9	306.5	11,400	44.6	314.7	9,100	50.3	324.8	5,300	180
185	31.2	280.3	14,400	34.3	289.3	12,900	38.6	300.5	10,700	42.5	309.4	8,400	48.4	320.4	4,700	185
190	28.2	271.4	13,600	31.7	281.5	12,100	36.3	293.8	9,900	40.3	303.7	7,700	46.4	315.8	4,100	190
195	25.0	261.3	12,800	28.8	272.8	11,400	33.7	286.6	9,200	38.1	297.5	7,100				195
200	21.3	249.4	12,000	25.6	262.9	10,600	31.0	278.6	8,600	35.7	290.7	6,500				200
205	16.8	234.6	11,300	22.0	251.4	9,900	28.1	269.6	7,900	33.1	283.3	5,900				205
210	10.6	213.5	10,500	17.7	237.2	9,300	24.8	259.4	7,300	30.3	275.1	5,400				210
215				12.0	217.9	8,600	21.1	247.4	6,700	27.3	265.9	4,800				215
220							16.6	232.5	6,100	24.0	255.3	4,300				220
225							10.2	210.9	5,600							225

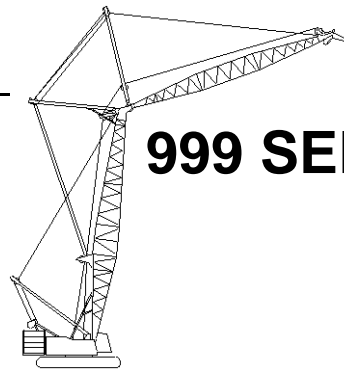


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



170 Ft. Boom, 210 Ft. Jib

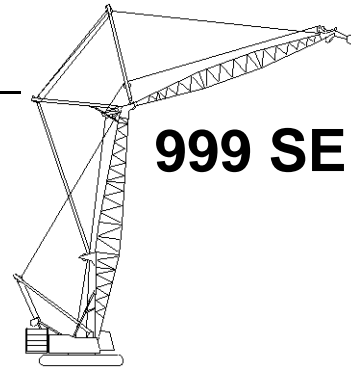
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	74.7	380.1	32,000*										70
75	73.2	378.7	31,700*										75
80	71.8	377.1	31,300*	73.5	378.6	36,600*							80
85	70.4	375.3	30,700*	72.1	377.0	36,300*							85
90	68.9	373.4	30,200*	70.6	375.3	36,100*							90
95	67.4	371.4	29,800*	69.2	373.4	35,800*							95
100	65.9	369.2	29,300*	67.7	371.4	35,600*	70.3	373.9	34,700				100
105	64.4	366.8	28,800*	66.2	369.2	34,700*	68.8	372.0	32,100				105
110	62.9	364.3	28,100*	64.7	366.9	33,400*	67.4	369.9	29,700				110
115	61.4	361.6	27,000*	63.2	364.4	31,400	65.9	367.7	27,500				115
120	59.8	358.8	25,800*	61.6	361.8	29,300	64.4	365.4	25,600	67.0	368.0	21,900	120
125	58.2	355.7	24,600*	60.1	358.9	27,300	62.8	362.8	23,800	65.5	365.7	20,300	125
130	56.6	352.5	23,500*	58.5	355.9	25,500	61.3	360.2	22,100	64.0	363.3	18,800	130
135	54.9	349.0	22,400*	56.9	352.7	23,900	59.7	357.3	20,600	62.5	360.8	17,400	135
140	53.2	345.4	21,400*	55.2	349.3	22,300	58.1	354.2	19,200	60.9	358.0	16,100	140
145	51.5	341.4	20,400*	53.5	345.7	20,900	56.5	351.0	17,900	59.3	355.1	15,000	145
150	49.7	337.3	19,400*	51.8	341.8	19,600	54.8	347.5	16,700	57.7	352.0	13,900	150
155	47.9	332.9	18,600*	50.0	337.7	18,400	53.1	343.8	15,600	56.1	348.7	12,800	155
160	46.0	328.1	17,700*	48.2	333.3	17,200	51.4	339.9	14,600	54.4	345.2	11,900	160
165	44.1	323.1	16,900*	46.3	328.6	16,200	49.6	335.7	13,600	52.7	341.5	11,000	165
170	42.0	317.6	16,200*	44.4	323.6	15,200	47.8	331.3	12,600	51.0	337.5	10,100	170
175	39.9	311.8	15,600*	42.4	318.3	14,200	45.9	326.5	11,800	49.2	333.2	9,300	175
180	37.8	305.5	14,900	40.3	312.5	13,300	44.0	321.5	11,000	47.3	328.7	8,600	180
185	35.5	298.7	14,000	38.2	306.3	12,500	41.9	316.0	10,200	45.4	323.9	7,900	185
190	33.0	291.3	13,200	35.9	299.6	11,700	39.9	310.2	9,400	43.5	318.7	7,200	190
195	30.4	283.1	12,400	33.5	292.3	10,900	37.7	303.9	8,800	41.4	313.2	6,600	195
200	27.5	273.9	11,600	30.9	284.2	10,200	35.3	297.0	8,100	39.3	307.3	6,000	200
205	24.4	263.5	10,900	28.1	275.3	9,500	32.9	289.6	7,500	37.1	300.8	5,400	205
210	20.8	251.2	10,200	25.0	265.1	8,800	30.3	281.3	6,900	34.8	293.8	4,900	210
215	16.4	236.0	9,500	21.5	253.3	8,200	27.4	272.1	6,300	32.3	286.2	4,300	215
220	10.3	214.4	8,800	17.3	238.8	7,600	24.2	261.6	5,700				220
225				11.7	218.9	7,000	20.6	249.2	5,200				225
230							16.2	233.9	4,700				230
235							10.0	211.7	4,100				235



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	75.4	390.5	29,500*										70
75	74.0	389.1	29,300*										75
80	72.7	387.6	29,000*										80
85	71.3	385.9	28,600*	72.9	387.5	33,300*							85
90	69.9	384.1	28,200*	71.5	385.8	33,100*							90
95	68.5	382.2	27,700*	70.2	384.1	32,900*							95
100	67.1	380.1	27,300*	68.8	382.2	32,600*							100
105	65.7	377.9	26,900*	67.4	380.1	32,400*	69.8	382.7	31,400				105
110	64.2	375.5	26,500*	65.9	377.9	31,800*	68.4	380.7	29,000				110
115	62.8	373.0	26,000*	64.5	375.6	30,700*	67.0	378.7	26,900				115
120	61.3	370.3	24,900*	63.0	373.1	28,700	65.6	376.4	24,900				120
125	59.8	367.4	23,800*	61.6	370.4	26,700	64.2	374.1	23,100	66.7	376.7	19,600	125
130	58.3	364.4	22,800*	60.1	367.6	24,900	62.7	371.5	21,500	65.3	374.4	18,100	130
135	56.7	361.2	21,800*	58.5	364.6	23,300	61.2	368.8	20,000	63.8	372.0	16,700	135
140	55.1	357.7	20,800*	57.0	361.4	21,800	59.7	365.9	18,600	62.3	369.4	15,400	140
145	53.5	354.1	19,900*	55.4	358.0	20,300	58.2	362.9	17,300	60.9	366.7	14,300	145
150	51.9	350.3	19,000*	53.8	354.4	19,000	56.6	359.7	16,100	59.4	363.8	13,200	150
155	50.2	346.2	18,100*	52.2	350.6	17,800	55.1	356.2	15,000	57.8	360.7	12,200	155
160	48.5	341.8	17,300*	50.5	346.5	16,700	53.5	352.6	13,900	56.3	357.4	11,200	160
165	46.7	337.2	16,600*	48.8	342.3	15,600	51.8	348.7	12,900	54.7	353.9	10,300	165
170	44.9	332.3	15,900*	47.0	337.7	14,600	50.1	344.6	12,000	53.1	350.2	9,500	170
175	43.0	327.0	15,200*	45.2	332.8	13,700	48.4	340.3	11,200	51.4	346.3	8,700	175
180	41.0	321.4	14,400	43.3	327.6	12,800	46.6	335.6	10,300	49.7	342.1	7,900	180
185	39.0	315.4	13,500	41.4	322.1	11,900	44.8	330.7	9,600	48.0	337.7	7,200	185
190	36.9	308.9	12,600	39.4	316.1	11,100	42.9	325.4	8,800	46.2	333.0	6,600	190
195	34.6	301.8	11,800	37.3	309.7	10,400	40.9	319.8	8,200	44.3	328.0	6,000	195
200	32.2	294.2	11,100	35.0	302.8	9,700	38.9	313.7	7,500	42.4	322.6	5,400	200
205	29.7	285.7	10,400	32.7	295.2	9,000	36.7	307.2	6,900	40.4	316.9	4,800	205
210	26.9	276.3	9,700	30.1	286.9	8,300	34.5	300.1	6,300	38.4	310.8	4,200	210
215	23.8	265.6	9,000	27.4	277.7	7,700	32.1	292.4	5,700				215
220	20.3	253.0	8,400	24.4	267.3	7,100	29.5	283.9	5,200				220
225	16.0	237.4	7,800	21.0	255.1	6,500	26.7	274.5	4,600				225
230	10.1	215.3	7,100	16.9	240.2	6,000	23.6	263.7	4,100				230
235				11.4	219.9	5,400							235

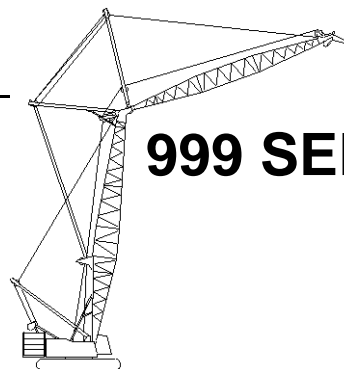


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



170 Ft. Boom, 230 Ft. Jib

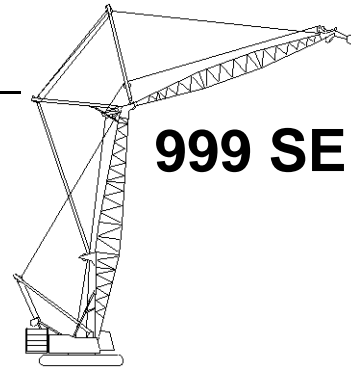
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
70	76.0	400.8	27,500*							70
75	74.7	399.5	27,300*							75
80	73.4	398.1	26,900*							80
85	72.1	396.5	26,500*	73.7	397.9	31,400*				85
90	70.8	394.8	26,100*	72.4	396.4	31,200*				90
95	69.5	392.9	25,700*	71.1	394.7	30,900*				95
100	68.1	391.0	25,300*	69.7	392.9	30,700*				100
105	66.8	388.9	24,900*	68.4	390.9	30,100*	70.7	393.3	30,400*	105
110	65.4	386.6	24,500*	67.0	388.9	29,100*	69.4	391.5	28,600	110
115	64.0	384.2	23,800*	65.7	386.6	28,100*	68.1	389.5	26,400	115
120	62.6	381.7	22,800*	64.3	384.3	27,000*	66.7	387.4	24,500	120
125	61.2	379.0	21,800*	62.9	381.8	26,000*	65.4	385.1	22,700	125
130	59.8	376.1	20,900*	61.5	379.1	24,500	64.0	382.7	21,100	130
135	58.3	373.1	20,000*	60.1	376.3	22,900	62.6	380.2	19,600	135
140	56.9	369.9	19,100*	58.6	373.2	21,300	61.2	377.5	18,200	140
145	55.4	366.5	18,300*	57.1	370.1	19,900	59.7	374.6	16,900	145
150	53.8	362.9	17,500*	55.6	366.7	18,600	58.3	371.6	15,700	150
155	52.3	359.0	16,700*	54.1	363.1	17,400	56.8	368.3	14,600	155
160	50.7	355.0	16,000*	52.5	359.4	16,300	55.3	364.9	13,500	160
165	49.0	350.8	15,300*	51.0	355.4	15,200	53.7	361.3	12,500	165
170	47.3	346.2	14,600*	49.3	351.2	14,200	52.2	357.5	11,600	170
175	45.6	341.4	14,000*	47.6	346.7	13,300	50.6	353.5	10,800	175
180	43.8	336.3	13,500*	45.9	341.9	12,400	48.9	349.2	9,900	180
185	42.0	330.9	12,900*	44.2	336.9	11,500	47.3	344.7	9,200	185
190	40.1	325.1	12,300	42.3	331.5	10,700	45.5	339.8	8,500	190
195	38.1	318.8	11,500	40.4	325.8	10,000	43.7	334.7	7,800	195
200	36.0	312.1	10,700	38.5	319.6	9,300	41.9	329.3	7,100	200
205	33.8	304.9	10,000	36.4	313.0	8,600	40.0	323.4	6,500	205
210	31.5	297.0	9,300	34.2	305.9	8,000	38.0	317.2	5,900	210
215	29.0	288.3	8,700	31.9	298.1	7,300	35.9	310.5	5,300	215
220	26.3	278.6	8,000	29.5	289.6	6,700	33.7	303.2	4,800	220
225	23.3	267.6	7,400	26.8	280.1	6,200	31.4	295.2	4,300	225
230	19.8	254.7	6,900	23.8	269.4	5,600				230
235	15.7	238.8	6,300	20.5	256.9	5,100				235
240	9.9	216.1	5,700	16.5	241.7	4,600				240
245				11.2	220.9	4,100				245



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

170 Ft. Boom, 240 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
	75	75.4	409.9	24,800*						
80	74.1	408.5	24,500*							80
85	72.9	407.0	24,300*							85
90	71.6	405.3	23,900*	73.1	406.9	28,100*				90
95	70.4	403.6	23,600*	71.9	405.3	27,900*				95
100	69.1	401.7	23,200*	70.6	403.5	27,700*				100
105	67.8	399.7	22,900*	69.3	401.7	27,500*				105
110	66.5	397.6	22,600*	68.1	399.7	27,300*	70.3	402.2	27,100*	110
115	65.2	395.3	22,200*	66.8	397.6	26,600*	69.0	400.3	25,800	115
120	63.9	392.9	21,900*	65.4	395.3	25,700*	67.8	398.3	23,800	120
125	62.5	390.3	21,100*	64.1	393.0	24,900*	66.5	396.1	22,100	125
130	61.2	387.6	20,200*	62.8	390.4	23,900	65.1	393.8	20,400	130
135	59.8	384.8	19,400*	61.4	387.7	22,300	63.8	391.4	18,900	135
140	58.4	381.7	18,600*	60.1	384.9	20,800	62.5	388.9	17,500	140
145	57.0	378.5	17,800*	58.7	381.9	19,400	61.1	386.1	16,300	145
150	55.6	375.2	17,100*	57.3	378.7	18,100	59.7	383.3	15,100	150
155	54.1	371.6	16,300*	55.8	375.4	16,800	58.3	380.2	13,900	155
160	52.6	367.8	15,600*	54.4	371.9	15,700	56.9	377.0	12,900	160
165	51.1	363.9	15,000*	52.9	368.1	14,600	55.5	373.6	11,900	165
170	49.5	359.7	14,400*	51.4	364.2	13,600	54.0	370.1	11,000	170
175	47.9	355.2	13,800*	49.8	360.1	12,700	52.5	366.3	10,200	175
180	46.3	350.5	13,200*	48.2	355.7	11,800	51.0	362.3	9,300	180
185	44.6	345.5	12,600	46.6	351.0	11,000	49.4	358.1	8,600	185
190	42.9	340.3	11,700	44.9	346.1	10,200	47.8	353.6	7,900	190
195	41.1	334.6	11,000	43.2	340.9	9,400	46.2	348.9	7,200	195
200	39.2	328.6	10,200	41.4	335.3	8,700	44.5	343.9	6,500	200
205	37.3	322.2	9,500	39.5	329.4	8,100	42.8	338.6	5,900	205
210	35.2	315.3	8,800	37.6	323.0	7,400	41.0	333.0	5,300	210
215	33.1	307.9	8,200	35.6	316.2	6,800	39.1	327.0	4,800	215
220	30.8	299.7	7,500	33.5	308.9	6,200	37.2	320.6	4,200	220
225	28.4	290.8	6,900	31.2	300.9	5,600				225
230	25.7	280.9	6,400	28.8	292.1	5,100				230
235	22.8	269.6	5,800	26.2	282.4	4,600				235
240	19.4	256.4	5,300	23.3	271.4	4,100				240
245	15.3	240.1	4,800							245
250	9.7	216.9	4,200							250

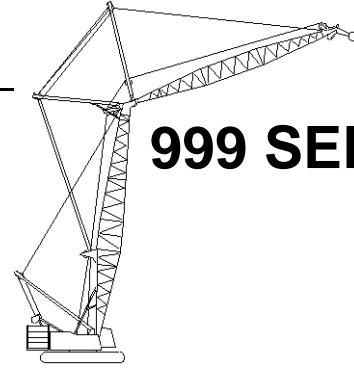


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



180 Ft. Boom, 70 Ft. Jib

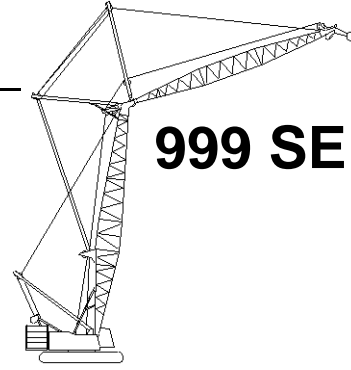
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	64.3	250.5	90,300*b																			45
50	59.7	247.7	87,000*b																			50
55	54.7	244.4	84,300*b	60.9	248.1	102,600*b																55
60	49.5	240.3	82,000*	56.0	244.9	97,200*b	64.9	249.4	92,500b													60
65	43.7	235.4	75,800*	50.8	241.0	88,400	60.3	246.7	83,500b													65
70	37.3	229.4	70,300*	45.2	236.4	80,400	55.4	243.4	75,900b	64.3	247.5	71,400b										70
75	29.7	221.5	66,000*	39.0	230.6	73,600	50.2	239.5	69,500	59.6	244.8	65,400b										75
80	19.4	210.0	63,100*	31.8	223.3	67,700	44.5	234.7	64,000	54.7	241.4	60,200b										80
85				22.4	213.1	62,600	38.2	228.8	59,200	49.4	237.3	55,700										85
90							30.7	221.2	54,900	43.7	232.4	51,700	59.9	241.3	46,200b							90
95							21.0	210.4	51,200	37.2	226.3	48,200	55.0	238.0	43,000b							95
100										29.6	218.4	45,000	49.7	234.0	40,200							100
105										19.2	206.8	42,100	44.0	229.1	37,700							105
110													37.6	223.1	35,400	54.9	233.0	31,200b				110
115													30.0	215.4	33,300	49.6	229.0	29,300				115
120													20.0	204.1	31,300	43.9	224.1	27,600				120
125																37.5	218.1	26,000				125
130																29.9	210.3	24,600	49.0	222.3	21,200	130
135																19.7	199.0	23,200	43.2	217.3	20,000	135
140																			36.7	211.1	18,900	140
145																			28.9	203.1	17,900	145
150																			18.2	191.0	16,900	150



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

180 Ft. Boom, 80 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	67.8	261.5	84,200*b																			45
50	63.8	259.2	81,000*b																			50
55	59.7	256.4	78,300*b	64.8	259.4	96,800*b																55
60	55.4	253.1	76,200*	60.8	256.7	88,900b	68.3	260.4	81,700b													60
65	50.9	249.2	72,700*	56.5	253.6	79,900	64.3	258.1	73,300b													65
70	46.0	244.6	67,000*	52.1	249.9	72,400	60.2	255.3	66,400b	67.7	258.6	60,400b										70
75	40.7	239.2	62,200*	47.3	245.5	66,000	56.0	252.1	60,500	63.8	256.2	55,000b										75
80	34.7	232.5	58,100*	42.1	240.3	60,500	51.5	248.3	55,400	59.7	253.4	50,300										80
85	27.6	223.9	54,800*	36.3	233.9	55,700	46.7	243.8	51,000	55.4	250.1	46,200										85
90	18.0	211.5	52,800*	29.6	225.9	51,500	41.4	238.5	47,100	50.8	246.2	42,700										90
95				20.9	214.9	47,700	35.6	232.0	43,700	46.0	241.7	39,500	59.9	250.0	32,600							95
100							28.6	223.7	40,600	40.7	236.2	36,700	55.6	246.7	30,200							100
105							19.5	212.1	37,800	34.7	229.5	34,200	51.1	242.9	28,100							105
110										27.5	220.9	31,900	46.3	238.3	26,100							110
115										17.9	208.4	29,700	41.0	232.9	24,300	55.5	241.8	18,900				115
120													35.0	226.3	22,700	51.0	237.9	17,500				120
125													28.0	217.9	21,200	46.2	233.4	16,300				125
130													18.6	205.7	19,700	40.9	227.9	15,100				130
135																34.9	221.3	14,000	50.5	231.2	9,700	135
140																27.9	212.8	13,000	45.6	226.6	8,800	140
145																18.4	200.5	12,000	40.3	221.0	8,100	145
150																			34.2	214.2	7,400	150
155																			27.0	205.5	6,700	155
160																			17.0	192.5	6,000	160

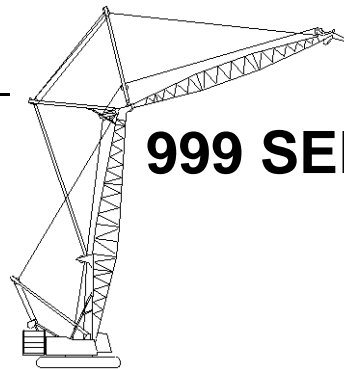


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



180 Ft. Boom, 90 Ft. Jib

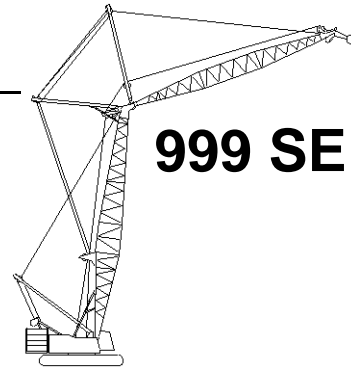
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	70.4	272.3	78,500*b																			45
50	66.9	270.3	75,700*b																			50
55	63.4	267.9	73,100*b	67.8	270.4	90,800*b																55
60	59.7	265.1	71,900*	64.3	268.1	88,300*b	70.8	271.1	81,200b													60
65	55.9	261.8	69,900*	60.7	265.4	79,500	67.4	269.1	72,900b													65
70	52.0	258.1	64,900*	56.9	262.3	72,000	63.8	266.8	65,900b													70
75	47.7	253.7	60,200*	53.0	258.7	65,700	60.2	264.0	60,000	66.9	267.3	54,400b										75
80	43.2	248.7	55,700*	48.8	254.5	60,200	56.4	260.8	55,000	63.3	264.9	49,800										80
85	38.3	242.7	52,000*	44.4	249.6	55,500	52.5	257.1	50,600	59.7	262.1	45,800										85
90	32.7	235.4	48,800*	39.6	243.9	51,300	48.3	252.9	46,800	55.9	258.8	42,200										90
95	26.0	226.2	46,400*	34.2	237.0	47,600	43.8	247.9	43,400	51.9	255.1	39,100										95
100	16.9	213.0	44,900*	27.8	228.4	44,300	38.9	242.1	40,300	47.7	250.7	36,300	59.9	258.7	29,700							100
105				19.6	216.6	41,300	33.4	235.0	37,600	43.2	245.7	33,800	56.1	255.4	27,500							105
110							26.9	226.1	35,100	38.2	239.7	31,600	52.2	251.7	25,600							110
115							18.3	213.6	32,800	32.6	232.4	29,500	48.0	247.4	23,900							115
120										25.9	223.2	27,600	43.4	242.4	22,300	56.1	250.5	17,000				120
125										16.8	209.8	25,800	38.5	236.5	20,800	52.1	246.7	15,800				125
130													32.9	229.3	19,400	47.9	242.4	14,600				130
135													26.3	220.2	18,100	43.4	237.4	13,600				135
140													17.5	207.2	16,900	38.4	231.4	12,600	51.6	240.1	8,300	140
145																32.8	224.2	11,700	47.4	235.7	7,600	145
150																26.2	215.1	10,800	42.8	230.6	6,900	150
155																17.3	202.0	9,900	37.8	224.5	6,200	155
160																			32.1	217.1	5,600	160
165																			25.3	207.7	5,000	165
170																			16.0	193.8	4,400	170



Liftcrane Luffing Jib Capacities

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

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



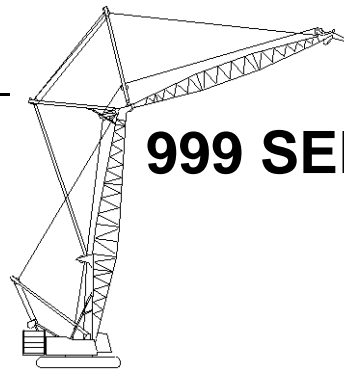
999 SERIES 2

180 Ft. Boom, 100 Ft. Jib

Jib 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			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	72.4	282.9	73,200*b																			45
50	69.4	281.1	71,500*b																			50
55	66.2	279.0	68,400*	70.1	281.2	84,700*b																55
60	63.1	276.5	67,200*	67.0	279.1	82,700*b																60
65	59.8	273.7	64,200*	63.9	276.8	78,900	69.7	279.9	72,100b													65
70	56.4	270.5	62,800*	60.6	274.1	71,400	66.6	277.8	65,200													70
75	52.8	266.9	58,300*	57.2	271.0	65,100	63.5	275.4	59,300													75
80	49.1	262.7	54,300*	53.7	267.4	59,600	60.2	272.7	54,300	66.2	276.0	49,000										80
85	45.1	257.9	50,600*	50.1	263.4	54,900	56.8	269.5	49,900	63.0	273.6	45,000										85
90	40.9	252.4	47,100*	46.2	258.8	50,800	53.3	265.9	46,100	59.7	270.7	41,500										90
95	36.2	246.0	44,200*	42.0	253.5	47,100	49.6	261.8	42,700	56.3	267.5	38,400										95
100	30.9	238.2	41,800*	37.4	247.3	43,800	45.6	257.1	39,700	52.8	263.9	35,600										100
105	24.6	228.4	39,900*	32.3	239.9	40,900	41.4	251.7	37,000	49.0	259.7	33,100	59.9	267.3	26,700							105
110	16.0	214.3	38,800*	26.3	230.8	38,200	36.8	245.4	34,600	45.1	254.9	30,900	56.5	264.1	24,800							110
115				18.6	218.2	35,700	31.6	237.9	32,300	40.8	249.4	28,900	53.0	260.5	23,100							115
120							25.5	228.4	30,300	36.1	242.9	27,000	49.3	256.4	21,500							120
125							17.4	215.1	28,400	30.8	235.2	25,300	45.3	251.6	20,000	56.5	259.2	14,900				125
130										24.5	225.3	23,700	41.1	246.2	18,700	52.9	255.5	13,800				130
135										15.9	211.2	22,200	36.4	239.8	17,500	49.2	251.4	12,700				135
140													31.2	232.1	16,300	45.2	246.6	11,800				140
145													24.9	222.4	15,200	41.0	241.2	10,900	52.5	248.9	6,600	145
150													16.5	208.6	14,200	36.3	234.7	10,100	48.8	244.7	6,000	150
155																31.1	227.0	9,300	44.8	239.9	5,400	155
160																24.8	217.3	8,500	40.5	234.3	4,800	160
165																16.3	203.4	7,800	35.8	227.7	4,200	165



Liftcrane Luffing Jib Capacities



999 SERIES 2

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

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

180 Ft. Boom, 110 Ft. Jib

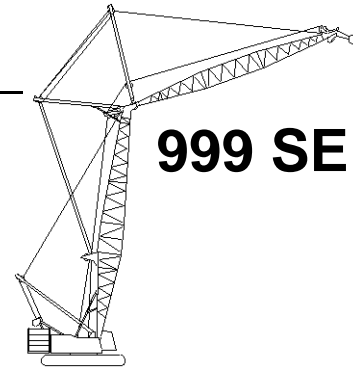
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	74.1	293.4	68,200*b																45
50	71.3	291.8	66,100*b																50
55	68.5	289.9	64,800*b	72.0	291.8	79,000*b													55
60	65.7	287.7	62,000*	69.2	290.0	77,400*													60
65	62.8	285.2	60,100*	66.4	287.9	75,300*													65
70	59.8	282.4	59,200*	63.5	285.4	71,300	68.9	288.7	65,000										70
75	56.7	279.2	56,400*	60.6	282.7	64,900	66.1	286.5	59,100										75
80	53.5	275.6	52,500*	57.5	279.6	59,500	63.2	284.1	54,100										80
85	50.2	271.6	48,900*	54.3	276.2	54,800	60.2	281.3	49,800	65.7	284.7	44,800							85
90	46.6	267.0	45,800*	51.0	272.3	50,700	57.1	278.2	46,000	62.7	282.2	41,300							90
95	42.9	261.9	42,700*	47.5	267.8	47,000	53.9	274.7	42,600	59.8	279.4	38,200							95
100	38.9	256.0	40,100*	43.9	262.9	43,800	50.6	270.7	39,600	56.7	276.2	35,400							100
105	34.4	249.1	37,800*	39.9	257.1	40,800	47.1	266.2	36,900	53.5	272.6	33,000	62.9	278.8	26,400				105
110	29.4	240.8	35,900*	35.6	250.5	38,200	43.4	261.2	34,500	50.1	268.6	30,700	59.9	276.0	24,600				110
115	23.4	230.5	34,400*	30.7	242.7	35,800	39.4	255.3	32,300	46.6	264.1	28,700	56.8	272.8	22,800				115
120	15.2	215.6	33,600*	25.1	233.0	33,600	35.0	248.6	30,200	42.8	258.9	26,900	53.6	269.3	21,300				120
125				17.7	219.7	31,500	30.1	240.6	28,400	38.8	253.0	25,200	50.3	265.3	19,900				125
130							24.2	230.5	26,700	34.4	246.1	23,600	46.8	260.7	18,500	56.8	267.9	13,500	130
135							16.5	216.6	25,000	29.3	237.8	22,200	43.1	255.6	17,300	53.6	264.3	12,500	135
140										23.3	227.4	20,800	39.1	249.7	16,200	50.3	260.3	11,600	140
145										15.1	212.5	19,500	34.6	242.9	15,100	46.7	255.8	10,700	145
150													29.6	234.7	14,100	43.0	250.6	9,900	150
155													23.7	224.5	13,200	39.0	244.7	9,100	155
160													15.7	210.0	12,300	34.6	237.9	8,400	160
165																29.6	229.7	7,700	165
170																23.6	219.4	7,100	170
175																15.5	204.8	6,400	175



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

180 Ft. Boom, 120 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
45	75.4	303.8	63,500*b																45
50	72.9	302.3	61,700*b																50
55	70.4	300.6	59,900*	73.6	302.3	73,300*b													55
60	67.8	298.6	58,800*	71.0	300.6	72,200*													60
65	65.2	296.4	56,400*	68.5	298.7	70,600*													65
70	62.5	293.9	55,600*	65.9	296.6	68,800*	70.7	299.4	64,200										70
75	59.8	291.0	53,500*	63.2	294.1	64,300	68.2	297.4	58,400										75
80	57.0	287.9	50,900*	60.5	291.4	58,900	65.6	295.2	53,400										80
85	54.1	284.4	47,500*	57.7	288.3	54,200	62.9	292.8	49,100	67.8	295.6	43,900							85
90	51.0	280.5	44,400*	54.8	284.9	50,100	60.2	290.0	45,300	65.2	293.4	40,500							90
95	47.9	276.1	41,700*	51.8	281.1	46,400	57.3	286.9	41,900	62.5	290.9	37,400							95
100	44.5	271.2	39,100*	48.7	276.8	43,200	54.4	283.4	38,900	59.8	288.1	34,700							100
105	41.0	265.6	36,600*	45.4	272.1	40,300	51.4	279.5	36,300	56.9	284.9	32,200							105
110	37.1	259.3	34,500*	41.9	266.7	37,700	48.3	275.2	33,800	54.0	281.4	30,000	62.7	287.5	23,700				110
115	32.9	252.0	32,700*	38.1	260.6	35,300	45.0	270.4	31,700	51.0	277.5	28,000	59.9	284.6	22,000				115
120	28.1	243.3	31,200*	34.0	253.6	33,100	41.4	265.0	29,700	47.8	273.1	26,200	57.1	281.5	20,500				120
125	22.4	232.4	30,100*	29.4	245.3	31,100	37.6	258.8	27,800	44.5	268.2	24,500	54.2	278.0	19,100				125
130	14.6	216.9	29,500*	23.9	235.1	29,300	33.5	251.6	26,100	40.9	262.6	23,000	51.2	274.1	17,800				130
135				16.9	221.2	27,500	28.7	243.1	24,600	37.1	256.3	21,600	48.0	269.8	16,600	57.1	276.5	11,600	135
140							23.2	232.6	23,100	32.8	249.0	20,200	44.7	264.9	15,400	54.2	273.0	10,700	140
145							15.8	217.9	21,700	28.0	240.3	19,000	41.1	259.4	14,400	51.1	269.1	9,900	145
150										22.3	229.3	17,800	37.3	253.1	13,400	48.0	264.8	9,100	150
155										14.4	213.7	16,700	33.1	245.9	12,500	44.6	259.9	8,300	155
160													28.3	237.2	11,700	41.1	254.4	7,600	160
165													22.7	226.5	10,800	37.2	248.1	7,000	165
170													15.0	211.3	10,000	33.0	240.8	6,300	170
175																28.2	232.2	5,700	175
180																22.5	221.4	5,200	180
185																14.9	206.0	4,600	185

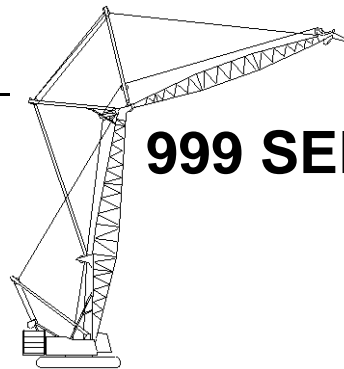


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



180 Ft. Boom, 130 Ft. Jib

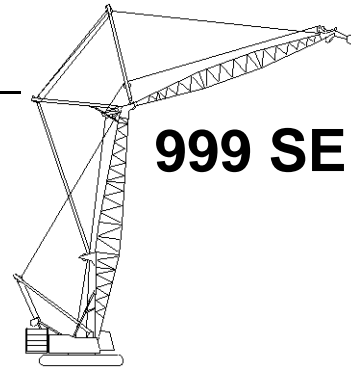
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.3	312.8	57,700*b																50
55	72.0	311.2	56,100*																55
60	69.6	309.4	55,300*	72.6	311.2	67,300*													60
65	67.2	307.3	53,800*	70.2	309.5	66,200*													65
70	64.8	305.1	51,600*	67.9	307.5	64,700*													70
75	62.4	302.5	50,300*	65.4	305.3	62,300*	69.9	308.2	57,900										75
80	59.8	299.7	49,300*	63.0	302.8	58,500	67.6	306.2	52,900										80
85	57.2	296.6	46,200*	60.5	300.0	53,800	65.1	303.9	48,600										85
90	54.5	293.1	43,300*	57.9	297.0	49,600	62.7	301.4	44,800	67.2	304.4	39,900							90
95	51.8	289.3	40,600*	55.2	293.6	46,000	60.1	298.6	41,400	64.8	302.1	36,900							95
100	48.9	285.0	38,000*	52.5	289.9	42,800	57.6	295.6	38,400	62.3	299.6	34,100							100
105	45.9	280.3	35,900*	49.6	285.8	39,900	54.9	292.1	35,800	59.8	296.7	31,700							105
110	42.7	275.1	33,800*	46.6	281.2	37,300	52.1	288.4	33,400	57.2	293.6	29,500							110
115	39.3	269.2	31,800*	43.5	276.1	34,900	49.3	284.2	31,200	54.5	290.1	27,500	62.5	296.1	21,400				115
120	35.6	262.6	30,100*	40.2	270.4	32,700	46.2	279.6	29,200	51.7	286.3	25,700	59.9	293.3	19,900				120
125	31.5	254.9	28,600*	36.6	263.9	30,800	43.1	274.4	27,400	48.8	282.1	24,000	57.3	290.2	18,500				125
130	26.9	245.7	27,400*	32.6	256.5	28,900	39.7	268.6	25,700	45.8	277.4	22,500	54.7	286.7	17,200				130
135	21.4	234.3	26,500*	28.2	247.8	27,200	36.1	262.0	24,200	42.6	272.1	21,100	51.9	282.9	16,000				135
140	14.0	218.1	26,100*	23.0	237.1	25,700	32.1	254.5	22,700	39.2	266.2	19,800	49.0	278.7	14,900	57.3	285.2	10,100	140
145				16.2	222.6	24,200	27.6	245.6	21,400	35.5	259.5	18,600	46.0	274.0	13,900	54.6	281.8	9,300	145
150							22.2	234.5	20,100	31.5	251.8	17,400	42.8	268.8	12,900	51.8	278.0	8,500	150
155							15.1	219.2	18,900	26.9	242.7	16,400	39.4	263.0	12,000	49.0	273.7	7,800	155
160										21.4	231.2	15,400	35.8	256.4	11,200	45.9	269.1	7,100	160
165										13.9	214.9	14,400	31.7	248.7	10,400	42.8	263.8	6,400	165
170													27.2	239.7	9,700	39.4	258.0	5,800	170
175													21.7	228.4	8,900	35.7	251.3	5,300	175
180													14.4	212.5	8,200	31.7	243.7	4,700	180
185																27.1	234.6	4,200	185



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

180 Ft. Boom, 140 Ft. Jib

Jib 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			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.4	323.1	53,700*																50
55	73.3	321.7	53,100*																55
60	71.1	320.0	51,100*	73.8	321.7	62,300*													60
65	69.0	318.2	50,400*	71.7	320.1	61,600*													65
70	66.7	316.1	49,100*	69.5	318.3	60,600*													70
75	64.5	313.8	47,900*	67.3	316.2	59,200*													75
80	62.2	311.2	46,700*	65.1	314.0	56,400*	69.2	317.0	52,100										80
85	59.8	308.4	44,700*	62.8	311.5	53,100	67.0	314.9	47,800										85
90	57.4	305.2	42,000*	60.4	308.7	49,000	64.8	312.6	44,100										90
95	54.9	301.8	39,500*	58.0	305.7	45,400	62.5	310.1	40,700	66.7	313.1	36,100							95
100	52.4	298.1	37,100*	55.6	302.3	42,200	60.1	307.3	37,800	64.5	310.8	33,400							100
105	49.7	294.0	34,900*	53.0	298.7	39,300	57.7	304.2	35,100	62.2	308.2	30,900							105
110	47.0	289.4	32,900*	50.4	294.6	36,700	55.3	300.9	32,700	59.8	305.4	28,800							110
115	44.1	284.4	31,100*	47.7	290.2	34,300	52.7	297.1	30,500	57.4	302.3	26,800							115
120	41.0	278.9	29,400*	44.8	285.3	32,200	50.1	293.1	28,600	54.9	298.8	25,000	62.3	304.8	19,000				120
125	37.8	272.7	27,700*	41.8	279.9	30,200	47.3	288.6	26,800	52.4	295.1	23,300	59.9	302.0	17,700				125
130	34.2	265.7	26,400*	38.6	273.9	28,400	44.5	283.7	25,100	49.7	291.0	21,800	57.5	298.9	16,400				130
135	30.3	257.6	25,200*	35.2	267.1	26,700	41.4	278.2	23,600	46.9	286.4	20,400	55.1	295.5	15,200				135
140	25.9	248.0	24,200*	31.4	259.3	25,200	38.2	272.1	22,200	44.0	281.4	19,100	52.5	291.7	14,100				140
145	20.6	236.1	23,500*	27.1	250.2	23,700	34.7	265.2	20,800	41.0	275.9	17,900	49.9	287.6	13,100	57.5	293.9	8,400	145
150	13.4	219.2	23,200*	22.1	239.0	22,400	30.9	257.3	19,600	37.7	269.7	16,800	47.1	283.1	12,200	55.0	290.5	7,600	150
155				15.6	223.9	21,100	26.5	247.9	18,400	34.2	262.6	15,800	44.2	278.1	11,300	52.5	286.8	6,900	155
160							21.4	236.4	17,300	30.3	254.5	14,800	41.2	272.6	10,500	49.8	282.6	6,300	160
165							14.6	220.5	16,300	25.9	245.0	13,800	37.9	266.5	9,700	47.1	278.1	5,600	165
170										20.6	233.0	12,900	34.4	259.5	9,000	44.2	273.1	5,000	170
175										13.3	216.0	12,100	30.5	251.5	8,300	41.1	267.6	4,500	175
180													26.2	242.0	7,600				180
185													20.9	230.2	7,000				185
190													13.8	213.7	6,300				190

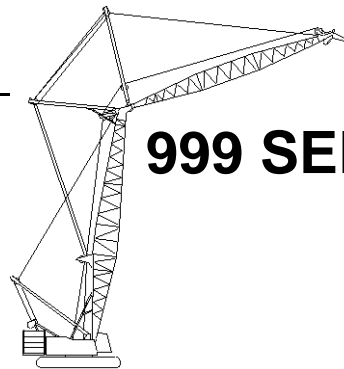


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



180 Ft. Boom, 150 Ft. Jib

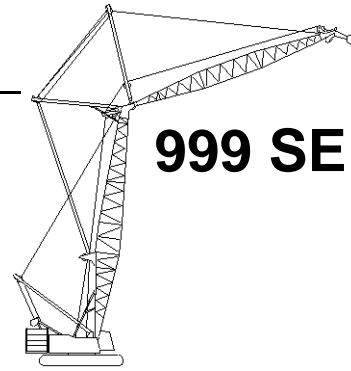
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.4	332.1	49,500*																55
60	72.4	330.6	48,400*																60
65	70.4	328.9	46,600*	73.0	330.6	57,100*													65
70	68.4	326.9	46,100*	70.9	328.9	56,500*													70
75	66.3	324.8	45,000*	68.9	327.0	55,500*													75
80	64.2	322.4	43,900*	66.8	325.0	54,200*	70.7	327.7	51,900										80
85	62.0	319.8	42,400*	64.7	322.7	51,600*	68.6	325.8	47,600										85
90	59.8	317.0	41,100*	62.6	320.1	48,800	66.6	323.7	43,800										90
95	57.6	313.9	38,700*	60.4	317.4	45,200	64.5	321.3	40,500										95
100	55.3	310.5	36,500*	58.2	314.3	42,000	62.3	318.8	37,500	66.3	321.8	33,100							100
105	52.9	306.9	34,400*	55.9	311.0	39,100	60.1	316.0	34,900	64.2	319.5	30,700							105
110	50.5	302.8	32,400*	53.5	307.4	36,500	57.9	312.9	32,500	62.0	316.9	28,500							110
115	47.9	298.4	30,600*	51.1	303.5	34,100	55.6	309.6	30,300	59.8	314.0	26,500							115
120	45.3	293.6	29,000*	48.6	299.2	32,000	53.2	305.9	28,300	57.6	310.9	24,700							120
125	42.5	288.3	27,400*	46.0	294.5	30,000	50.8	301.9	26,500	55.3	307.6	23,100	62.1	313.4	17,400				125
130	39.6	282.5	26,000*	43.2	289.3	28,200	48.3	297.6	24,900	52.9	303.9	21,600	59.9	310.6	16,100				130
135	36.4	276.0	24,700*	40.3	283.6	26,600	45.6	292.8	23,400	50.4	299.8	20,200	57.7	307.5	15,000				135
140	33.0	268.6	23,500*	37.2	277.3	25,000	42.9	287.6	22,000	47.9	295.5	18,900	55.4	304.2	13,900				140
145	29.3	260.2	22,500*	33.9	270.2	23,600	39.9	281.9	20,600	45.2	290.6	17,700	53.0	300.5	12,900				145
150	25.0	250.2	21,700*	30.3	262.1	22,200	36.8	275.4	19,400	42.5	285.3	16,600	50.6	296.5	11,900	57.7	302.6	7,400	150
155	19.9	237.8	21,200*	26.2	252.5	21,000	33.5	268.2	18,300	39.5	279.5	15,600	48.0	292.1	11,100	55.4	299.2	6,700	155
160	13.0	220.3	20,900*	21.3	240.9	19,800	29.8	259.9	17,200	36.4	273.0	14,600	45.4	287.3	10,300	53.0	295.5	6,000	160
165				15.0	225.2	18,700	25.6	250.2	16,200	33.0	265.6	13,700	42.6	282.1	9,500	50.5	291.5	5,400	165
170							20.6	238.2	15,200	29.2	257.2	12,800	39.7	276.3	8,800	48.0	287.1	4,800	170
175							14.0	221.7	14,300	25.0	247.2	12,000	36.6	269.8	8,100	45.4	282.3	4,200	175
180										19.8	234.7	11,200	33.2	262.5	7,400				180
185										12.9	217.1	10,400	29.5	254.1	6,800				185
190													25.2	244.2	6,200				190
195													20.2	232.0	5,700				195
200													13.4	214.8	5,100				200



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 2

180 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.4	342.5	45,900*													55
60	73.6	341.1	45,100*													60
65	71.7	339.5	44,100*													65
70	69.8	337.7	42,600*	72.2	339.5	52,300*										70
75	67.9	335.7	42,200*	70.3	337.7	51,800*										75
80	65.9	333.5	41,200*	68.4	335.8	51,200*										80
85	63.9	331.1	39,800*	66.4	333.7	49,300*	70.0	336.5	46,900							85
90	61.9	328.5	39,400*	64.4	331.3	47,000*	68.1	334.5	43,100							90
95	59.9	325.7	37,500*	62.4	328.8	44,600	66.2	332.4	39,800							95
100	57.8	322.6	35,400*	60.4	326.0	41,400	64.2	330.0	36,800	67.8	332.7	32,300				100
105	55.6	319.2	33,400*	58.3	323.0	38,500	62.2	327.4	34,200	65.9	330.5	29,900				105
110	53.4	315.6	31,600*	56.1	319.7	35,900	60.1	324.6	31,800	63.9	328.2	27,800				110
115	51.1	311.7	29,800*	54.0	316.2	33,500	58.0	321.6	29,700	61.9	325.5	25,800				115
120	48.7	307.4	28,200*	51.7	312.3	31,400	55.9	318.3	27,700	59.8	322.7	24,000				120
125	46.3	302.8	26,700*	49.4	308.1	29,400	53.7	314.7	25,900	57.7	319.6	22,400				125
130	43.8	297.7	25,300*	46.9	303.6	27,700	51.4	310.8	24,300	55.6	316.3	20,900	62.0	322.1	15,300	130
135	41.1	292.1	24,100*	44.4	298.6	26,000	49.1	306.5	22,700	53.4	312.6	19,500	59.9	319.3	14,200	135
140	38.2	286.0	22,900*	41.8	293.2	24,500	46.6	301.9	21,300	51.1	308.7	18,200	57.8	316.2	13,100	140
145	35.2	279.2	21,800*	39.0	287.2	23,000	44.1	296.9	20,000	48.7	304.4	17,000	55.7	312.9	12,100	145
150	31.9	271.5	20,900*	36.0	280.6	21,700	41.4	291.4	18,800	46.3	299.8	15,900	53.5	309.3	11,200	150
155	28.3	262.7	20,000*	32.8	273.1	20,500	38.6	285.4	17,700	43.7	294.7	14,900	51.2	305.3	10,300	155
160	24.2	252.4	19,400*	29.3	264.7	19,300	35.6	278.7	16,600	41.0	289.1	13,900	48.9	301.1	9,500	160
165	19.3	239.5	18,900*	25.3	254.8	18,200	32.4	271.1	15,600	38.2	283.0	13,000	46.4	296.4	8,800	165
170	12.5	221.4	18,800*	20.6	242.7	17,200	28.8	262.5	14,700	35.2	276.1	12,200	43.9	291.4	8,100	170
175				14.5	226.5	16,200	24.8	252.4	13,800	31.9	268.5	11,400	41.2	285.9	7,400	175
180							20.0	239.9	12,900	28.3	259.7	10,600	38.4	279.7	6,700	180
185							13.6	222.8	12,100	24.1	249.3	9,900	35.4	273.0	6,100	185
190										19.2	236.4	9,200	32.1	265.3	5,600	190
195										12.4	218.2	8,500	28.5	256.6	5,000	195
200													24.4	246.4	4,500	200
205													19.5	233.7	4,000	205

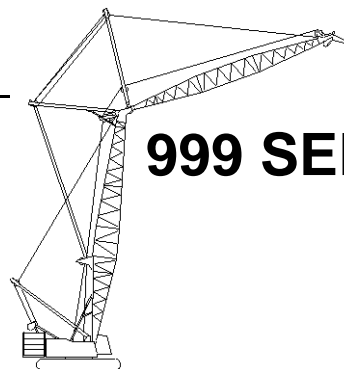


Liftcrane Luffing Jib Capacities

999 SERIES 2

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

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



180 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.6	351.5	42,200*													60
65	72.8	350.0	41,400*													65
70	71.0	348.3	40,500*	73.3	350.0	48,500*										70
75	69.2	346.5	39,700*	71.5	348.4	48,200*										75
80	67.4	344.4	38,800*	69.7	346.5	47,700*										80
85	65.6	342.2	38,000*	67.9	344.6	46,800*										85
90	63.7	339.8	37,200*	66.0	342.4	45,100*	69.5	345.3	42,600							90
95	61.8	337.2	36,300*	64.2	340.0	43,100*	67.7	343.3	39,300							95
100	59.9	334.3	34,400*	62.3	337.5	40,900	65.8	341.1	36,300							100
105	57.9	331.3	32,600*	60.4	334.7	38,000	63.9	338.7	33,700	67.4	341.5	29,400				105
110	55.9	327.9	30,800*	58.4	331.7	35,400	62.0	336.1	31,300	65.6	339.3	27,200				110
115	53.8	324.4	29,200*	56.4	328.4	33,100	60.1	333.3	29,100	63.7	336.8	25,200				115
120	51.7	320.5	27,700*	54.3	324.9	30,900	58.1	330.2	27,200	61.8	334.2	23,500				120
125	49.5	316.3	26,200*	52.2	321.1	29,000	56.1	327.0	25,400	59.8	331.4	21,800				125
130	47.2	311.8	24,800*	50.0	317.0	27,200	54.1	323.4	23,800	57.9	328.3	20,300				130
135	44.8	306.9	23,600*	47.8	312.6	25,500	51.9	319.6	22,300	55.8	325.0	19,000	61.9	330.8	13,600	135
140	42.4	301.6	22,500*	45.4	307.8	24,000	49.7	315.4	20,900	53.8	321.4	17,700	60.0	327.9	12,500	140
145	39.8	295.7	21,400*	43.0	302.6	22,600	47.5	311.0	19,600	51.6	317.5	16,500	58.0	324.9	11,500	145
150	37.0	289.3	20,400*	40.5	296.9	21,300	45.1	306.1	18,300	49.4	313.3	15,400	56.0	321.6	10,600	150
155	34.1	282.2	19,500*	37.8	290.6	20,100	42.7	300.9	17,200	47.2	308.8	14,400	53.9	318.0	9,800	155
160	30.9	274.3	18,700*	34.9	283.7	18,900	40.1	295.1	16,200	44.8	303.9	13,500	51.8	314.2	9,000	160
165	27.4	265.2	18,000*	31.8	276.0	17,800	37.4	288.8	15,200	42.3	298.6	12,600	49.6	310.0	8,200	165
170	23.5	254.4	17,500*	28.4	267.2	16,800	34.5	281.8	14,200	39.8	292.7	11,700	47.3	305.5	7,500	170
175	18.7	241.2	17,200*	24.5	256.9	15,800	31.4	273.9	13,400	37.0	286.3	10,900	44.9	300.6	6,900	175
180	12.1	222.5	16,400	20.0	244.5	14,900	27.9	265.0	12,500	34.1	279.2	10,200	42.5	295.3	6,200	180
185				14.1	227.7	14,000	24.0	254.5	11,700	30.9	271.2	9,400	39.9	289.5	5,600	185
190							19.3	241.6	11,000	27.4	262.1	8,800	37.2	283.1	5,100	190
195							13.2	224.0	10,200	23.4	251.4	8,100	34.3	276.1	4,500	195
200										18.6	238.0	7,500	31.1	268.1	4,000	200
205										12.0	219.2	6,800				205