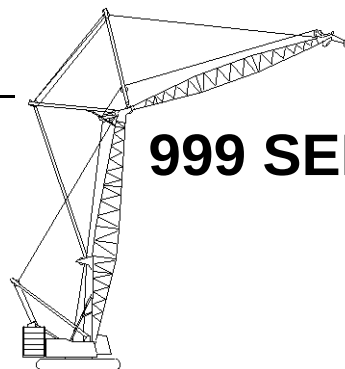


Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

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

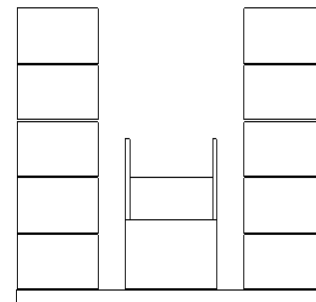
LUFFING JIB POINT ELEVATION: Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

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

Consult chart **No. 8349-A** for intermediate fall capacities. Consult chart **No. 8365-A** for lifting off lower boom point with luffing jib attached. Consult chart **No. 8355-A** for fixed jib on luffing jib capacities. Chart **No. 8365-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.



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

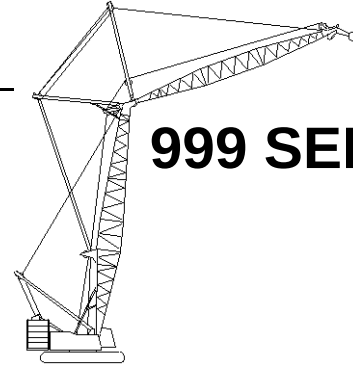


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

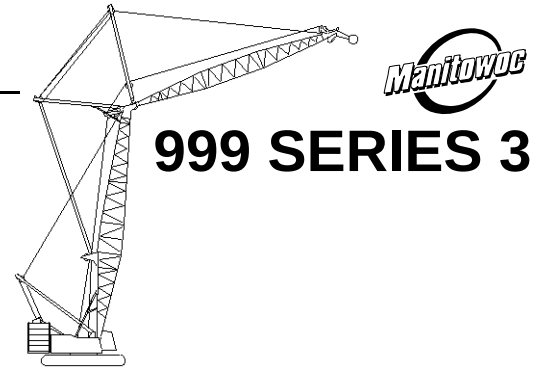


80 Ft. Boom, 70 Ft. Jib

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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	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	148,700*b													45
50	56.3	145.5	121,300*	59.0	147.1	127,100*	62.9	149.0	135,700*b	66.7	150.3	144,900*b										50
55	51.1	141.7	111,700*	54.0	143.7	116,600*	58.2	146.1	124,500*	62.1	147.8	128,000b										55
60	45.5	137.1	101,300*	48.7	139.5	107,600*	53.1	142.5	114,500*	57.3	144.8	114,500										60
65	39.3	131.4	91,000*	42.9	134.5	96,500*	47.8	138.2	105,300	52.2	141.1	103,400	59.0	144.2	100,400							65
70	32.1	124.2	82,500*	36.3	128.2	87,000*	41.8	133.0	94,700*	46.8	136.7	94,200	54.1	140.8	91,400							70
75	23.0	114.1	72,700*	28.4	120.0	79,100*	35.1	126.5	85,500*	40.7	131.2	86,300	48.8	136.6	83,800	55.7	139.7	81,300				75
80	3.3	90.7	49,900*	17.4	107.5	66,500*	26.9	117.8	77,800*	33.8	124.4	79,600	42.9	131.6	77,300	50.5	135.7	74,900				80
85							14.8	103.9	65,700*	25.2	115.2	73,700	36.4	125.3	71,600	44.9	131.0	69,400	52.0	134.0	67,300	85
90										11.3	99.0	64,200*	28.5	117.1	66,600	38.6	125.2	64,600	46.5	129.6	62,600	90
95													17.6	104.8	62,100	31.2	117.8	60,300	40.4	124.1	58,500	95
100																21.7	107.2	56,400	33.4	117.2	54,800	100
105																			24.7	107.7	51,400	105
110																			10.0	90.6	48,300	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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	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	144,800*b													45
50	61.0	157.3	118,700*	63.2	158.7	124,100*	66.6	160.2	132,400*b													50
55	56.7	154.2	109,300*	59.1	155.8	114,200*	62.6	157.7	121,700*	65.9	159.0	127,600b										55
60	52.3	150.5	101,000*	54.8	152.4	105,500*	58.4	154.7	112,300*	61.8	156.5	114,100										60
65	47.5	146.2	90,700*	50.2	148.5	96,200*	54.0	151.3	103,900*	57.7	153.4	103,000										65
70	42.4	141.0	82,100*	45.3	143.8	86,700*	49.4	147.2	94,500*	53.3	149.9	93,800	59.2	152.9	90,900							70
75	36.6	134.7	74,900*	39.9	138.2	78,700*	44.4	142.4	85,200*	48.6	145.7	86,000	54.8	149.5	83,400							75
80	30.0	126.8	68,700*	33.8	131.3	72,000*	39.0	136.6	77,500*	43.5	140.7	79,300	50.3	145.5	76,900	56.2	148.4	74,400				80
85	21.4	116.0	61,300*	26.5	122.3	66,200*	32.7	129.4	70,900*	37.9	134.7	73,400	45.4	140.9	71,200	51.8	144.6	69,000				85
90	3.0	90.9	42,900*	16.2	108.9	56,500*	25.1	120.0	65,300*	31.5	127.2	68,300	40.0	135.3	66,200	47.0	140.2	64,200	53.0	142.8	62,100	90
95							13.7	105.0	56,100*	23.5	117.2	63,800	33.9	128.4	61,800	41.8	134.9	59,900	48.3	138.6	58,000	95
100										10.5	99.9	55,000*	26.6	119.5	57,900	35.9	128.5	56,100	43.3	133.6	54,300	100
105													16.4	106.2	54,300	29.1	120.3	52,700	37.6	127.5	51,000	105
110																20.2	109.0	49,600	31.1	120.0	48,000	110
115																			23.0	109.8	45,300	115
120																			9.3	91.4	42,700	120



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

80 Ft. Boom, 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	129,200*b													50
55	60.9	166.0	107,300*	62.9	167.3	112,100*	65.8	168.9	119,100*													55
60	57.1	162.9	99,500*	59.2	164.5	103,800*	62.3	166.3	110,300*	65.2	167.7	113,800										60
65	53.2	159.3	90,500*	55.4	161.1	96,000*	58.6	163.4	102,300*	61.6	165.1	102,800										65
70	49.1	155.2	81,900*	51.4	157.3	86,500*	54.7	160.0	94,300*	57.9	162.1	93,600	62.9	164.4	90,600							70
75	44.6	150.3	74,700*	47.1	152.9	78,500*	50.7	156.1	85,100*	54.0	158.6	85,800	59.3	161.5	83,100							75
80	39.8	144.7	68,500*	42.6	147.7	71,800*	46.4	151.6	77,300*	50.0	154.6	79,100	55.4	158.2	76,600							80
85	34.4	137.9	63,100*	37.5	141.6	66,000*	41.7	146.2	70,700*	45.6	149.9	73,200	51.4	154.4	70,900	56.7	157.0	68,600				85
90	28.2	129.4	58,500*	31.8	134.1	60,900*	36.6	139.9	65,100*	40.9	144.5	68,200	47.2	150.0	66,000	52.7	153.4	63,800				90
95	20.1	117.8	52,500*	24.9	124.5	56,500*	30.7	132.2	60,100*	35.6	137.9	63,600	42.6	144.8	61,600	48.6	149.2	59,600				95
100	2.7	91.0	37,300*	15.2	110.2	48,700*	23.6	122.1	55,800*	29.6	129.9	59,300*	37.6	138.7	57,700	44.1	144.3	55,800	49.7	147.6	54,000	100
105							12.9	106.1	48,500*	22.1	119.2	55,000*	31.9	131.3	54,200	39.2	138.5	52,500	45.4	142.8	50,700	105
110										9.9	100.7	47,800*	25.0	121.7	51,000	33.8	131.5	49,400	40.6	137.3	47,800	110
115													15.4	107.5	48,100	27.4	122.8	46,600	35.4	130.7	45,100	115
120																19.0	110.6	44,000	29.3	122.6	42,600	120
125																			21.6	111.6	40,300	125
130																			8.7	92.1	38,200	130



Liftcrane Luffing Jib Capacities

999 SERIES 3

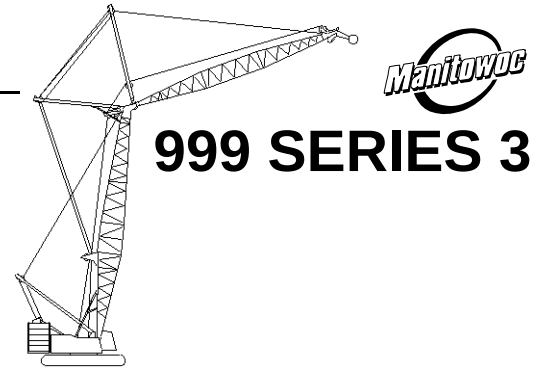
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



80 Ft. Boom, 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	116,200*													55
60	60.8	174.7	97,500*	62.6	176.0	101,700*	65.3	177.6	107,800*	67.9	178.7	113,300										60
65	57.4	171.6	90,500*	59.3	173.1	94,600*	62.0	175.0	100,400*	64.7	176.4	102,300										65
70	53.9	168.1	81,800*	55.9	169.9	86,400*	58.7	172.1	93,500*	61.5	173.8	93,100										70
75	50.2	164.1	74,500*	52.3	166.1	78,400*	55.3	168.7	85,000*	58.1	170.8	85,300	62.6	173.1	82,500							75
80	46.4	159.5	68,200*	48.5	161.9	71,600*	51.7	164.9	77,200*	54.7	167.4	78,600	59.3	170.2	76,100							80
85	42.2	154.2	62,800*	44.5	157.0	65,700*	47.9	160.6	70,500*	51.0	163.5	72,800	55.9	166.9	70,400							85
90	37.7	148.1	58,100*	40.2	151.4	60,700*	43.8	155.6	64,800*	47.2	159.0	67,800	52.3	163.2	65,500	57.0	165.7	63,300				90
95	32.6	140.8	54,000*	35.5	144.8	56,200*	39.5	149.9	59,900*	43.1	153.9	63,300	48.6	159.0	61,200	53.5	162.2	59,100				95
100	26.6	131.7	50,300*	30.1	136.8	52,300*	34.6	143.0	55,500*	38.7	148.0	59,000*	44.6	154.1	57,300	49.8	158.1	55,400				100
105	19.0	119.4	45,300*	23.6	126.6	48,800*	29.1	134.8	51,600*	33.7	141.0	54,800*	40.3	148.5	53,800	45.9	153.5	52,000	50.8	156.4	50,200	105
110	2.5	91.2	32,500*	14.4	111.4	42,300*	22.3	124.0	48,200*	28.0	132.4	51,000*	35.5	141.9	50,700	41.7	148.1	49,000	47.0	152.0	47,200	110
115							12.2	107.1	42,200*	20.9	121.0	47,600*	30.1	134.0	47,800	37.1	141.9	46,200	42.9	146.8	44,600	115
120										9.3	101.4	41,700*	23.6	123.8	45,200	32.0	134.4	43,700	38.4	140.8	42,200	120
125													14.5	108.7	42,800	25.9	125.1	41,400	33.4	133.7	39,900	125
130																18.0	112.2	39,200	27.7	125.0	37,900	130
135																			20.4	113.4	35,900	135
140																			8.2	92.8	34,100	140



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

80 Ft. Boom, 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	113,300*												55	
60	63.7	186.0	95,600*	65.3	187.2	99,600*	67.7	188.5	105,400*												60	
65	60.7	183.3	89,200*	62.4	184.6	92,900*	64.8	186.3	98,300*	67.2	187.4	102,200									65	
70	57.6	180.3	81,800*	59.4	181.8	86,400*	61.9	183.7	91,900*	64.3	185.1	93,000									70	
75	54.5	176.8	74,400*	56.3	178.6	78,400*	58.8	180.7	85,000*	61.3	182.4	85,200									75	
80	51.2	172.9	68,200*	53.0	174.9	71,600*	55.7	177.5	77,200*	58.3	179.5	78,500	62.4	181.7	75,900						80	
85	47.7	168.5	62,800*	49.7	170.8	65,700*	52.5	173.7	70,500*	55.2	176.1	72,700	59.4	178.9	70,300						85	
90	44.0	163.6	58,100*	46.1	166.2	60,600*	49.1	169.6	64,800*	51.9	172.3	67,700	56.3	175.6	65,400						90	
95	40.1	157.9	53,900*	42.3	160.9	56,200*	45.5	164.8	59,800*	48.5	168.0	63,200	53.1	172.0	61,100	57.3	174.4	59,000			95	
100	35.8	151.3	50,300*	38.3	154.9	52,200*	41.7	159.5	55,500*	44.9	163.2	59,000*	49.7	167.9	57,200	54.1	170.9	55,200			100	
105	31.0	143.6	47,000*	33.8	147.8	48,700*	37.5	153.3	51,600*	41.0	157.7	54,700*	46.2	163.3	53,700	50.8	167.0	51,900			105	
110	25.4	134.0	44,000*	28.6	139.4	45,600*	32.9	146.0	48,100*	36.8	151.4	50,900*	42.4	158.0	50,600	47.3	162.5	48,900	51.7	165.3	47,100	110
115	18.1	121.0	39,800*	22.4	128.6	42,800*	27.7	137.2	45,100*	32.1	143.9	47,600*	38.3	152.0	47,800	43.6	157.5	46,100	48.3	161.0	44,500	115
120																						120
125	2.4	91.3	28,700*	13.7	112.6	37,200*	21.2	125.9	42,300*	26.7	134.7	44,500*	33.8	145.0	45,200	39.6	151.7	43,600	44.7	156.1	42,100	125
130							11.6	108.1	37,200*	19.9	122.7	41,800*	28.7	136.5	42,800	35.3	145.1	41,300	40.8	150.6	39,800	130
135										8.8	102.2	36,900*	22.5	125.7	40,600	30.4	137.1	39,200	36.5	144.2	37,800	135
140													13.8	109.9	38,600	24.6	127.2	37,300	31.8	136.6	35,900	140
145																17.1	113.6	35,400	26.3	127.4	34,200	145
150																			19.5	115.1	32,500	150
																			7.8	93.4	30,900	150



Liftcrane Luffing Jib Capacities

999 SERIES 3

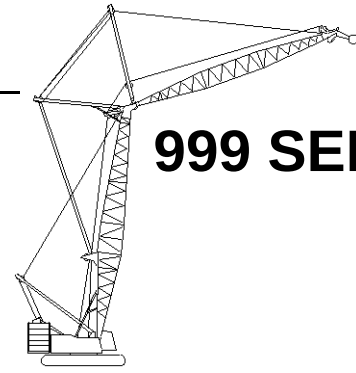
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



80 Ft. Boom, 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	102,400*													60
65	63.4	194.7	87,200*	64.8	195.9	90,800*	67.0	197.3	95,800*													65
70	60.6	192.0	81,300*	62.2	193.3	85,000*	64.4	194.9	89,800*	66.6	196.1	92,500										70
75	57.8	188.9	74,000*	59.4	190.4	78,000*	61.7	192.3	84,300*	63.9	193.8	84,700										75
80	55.0	185.5	67,800*	56.6	187.2	71,100*	58.9	189.4	76,800*	61.2	191.1	78,100										80
85	52.0	181.7	62,400*	53.6	183.7	65,300*	56.1	186.2	70,100*	58.4	188.1	72,300	62.2	190.4	69,800							85
90	48.8	177.5	57,600*	50.6	179.7	60,200*	53.1	182.5	64,400*	55.6	184.8	67,200	59.4	187.5	64,900							90
95	45.5	172.8	53,500*	47.4	175.3	55,700*	50.1	178.5	59,400*	52.6	181.1	62,800	56.6	184.3	60,600							95
100	42.1	167.5	49,800*	44.0	170.3	51,800*	46.8	173.9	55,000*	49.5	177.0	58,600*	53.7	180.8	56,700	57.5	183.1	54,700				100
105	38.3	161.4	46,500*	40.4	164.6	48,300*	43.4	168.9	51,200*	46.3	172.4	54,300*	50.6	176.8	53,300	54.6	179.7	51,400				105
110	34.2	154.4	43,500*	36.5	158.2	45,100*	39.8	163.1	47,700*	42.8	167.2	50,500*	47.4	172.4	50,200	51.6	175.8	48,300				110
115	29.6	146.2	40,900*	32.3	150.7	42,300*	35.9	156.5	44,600*	39.1	161.3	47,100*	44.1	167.4	47,300	48.5	171.5	45,600	52.5	174.1	43,900	115
120	24.2	136.1	38,500*	27.4	141.8	39,700*	31.5	148.8	41,800*	35.1	154.5	44,100*	40.5	161.8	44,800	45.2	166.7	43,100	49.4	169.9	41,500	120
125	17.3	122.5	34,700*	21.4	130.4	37,400*	26.4	139.6	39,300*	30.7	146.6	41,300*	36.6	155.3	42,400	41.7	161.3	40,900	46.1	165.3	39,300	125
130	2.2	91.4	25,100*	13.1	113.7	32,600*	20.3	127.6	37,000*	25.5	137.0	38,800*	32.3	147.9	40,300	37.9	155.2	38,800	42.6	160.0	37,300	130
135							11.1	109.0	32,700*	19.0	124.4	36,600*	27.4	138.9	38,300	33.7	148.1	36,800	38.9	154.1	35,400	135
140										8.4	102.9	32,400*	21.5	127.6	36,400	29.1	139.7	35,000	34.9	147.3	33,700	140
145													13.2	111.0	34,600	23.5	129.3	33,400	30.4	139.3	32,100	145
150																16.3	115.1	31,800	25.2	129.6	30,600	150
155																			18.6	116.7	29,200	155
160																			7.5	94.0	27,800	160



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

80 Ft. Boom, 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	88,900*	68.9	208.1	93,700*													65
70	63.1	203.4	80,300*	64.5	204.6	83,600*	66.5	206.0	88,000*													70
75	60.6	200.6	74,000*	62.0	202.0	78,000*	64.1	203.6	82,800*	66.1	204.9	84,400										75
80	58.0	197.6	67,700*	59.5	199.1	71,100*	61.6	201.0	76,900*	63.6	202.4	77,700										80
85	55.4	194.2	62,300*	56.8	195.9	65,200*	59.0	198.1	70,100*	61.1	199.8	72,000										85
90	52.6	190.5	57,500*	54.2	192.4	60,100*	56.4	194.8	64,300*	58.6	196.8	66,900	62.0	199.0	64,500							90
95	49.8	186.4	53,300*	51.4	188.5	55,600*	53.7	191.3	59,300*	55.9	193.5	62,400	59.5	196.2	60,200							95
100	46.8	181.9	49,600*	48.5	184.2	51,600*	50.9	187.3	54,900*	53.2	189.9	58,500	56.9	193.0	56,400							100
105	43.6	176.8	46,300*	45.4	179.5	48,100*	48.0	183.0	51,000*	50.4	185.9	54,200*	54.2	189.5	52,900	57.7	191.8	51,000				105
110	40.3	171.2	43,300*	42.2	174.2	44,900*	44.9	178.1	47,500*	47.4	181.4	50,400*	51.4	185.6	49,800	55.1	188.4	48,000				110
115	36.7	164.7	40,600*	38.8	168.2	42,100*	41.6	172.7	44,400*	44.3	176.5	46,900*	48.5	181.3	47,000	52.3	184.6	45,300				115
120	32.8	157.4	38,200*	35.0	161.4	39,500*	38.2	166.6	41,600*	41.0	170.9	43,900*	45.4	176.6	44,400	49.4	180.5	42,800				120
125	28.4	148.7	35,900*	30.9	153.5	37,100*	34.4	159.6	39,000*	37.5	164.7	41,100*	42.2	171.3	42,100	46.4	175.9	40,500	50.2	178.8	39,000	125
130	23.2	138.1	33,900*	26.2	144.1	35,000*	30.2	151.5	36,700*	33.7	157.6	38,600*	38.8	165.3	40,000	43.3	170.7	38,400	47.3	174.3	36,900	130
135	16.6	123.9	30,600*	20.6	132.2	33,000*	25.4	141.8	34,600*	29.4	149.2	36,300*	35.1	158.5	38,000	39.9	165.0	36,500	44.2	169.4	35,100	135
140	2.1	91.5	22,100*	12.5	114.8	28,700*	19.4	129.3	32,700*	24.4	139.1	34,200*	31.0	150.7	36,100	36.3	158.5	34,700	40.9	163.8	33,400	140
145							10.6	109.9	28,900*	18.2	125.9	32,300*	26.3	141.3	34,400	32.3	151.0	33,100	37.3	157.5	31,800	145
150										8.1	103.5	28,700*	20.6	129.4	32,800	27.9	142.2	31,600	33.5	150.3	30,300	150
155													12.7	112.1	31,100*	22.6	131.3	30,100	29.2	141.9	28,900	155
160																15.7	116.4	28,700	24.1	131.7	27,600	160
165																			17.8	118.3	26,400	165
170																			7.1	94.6	25,100	170

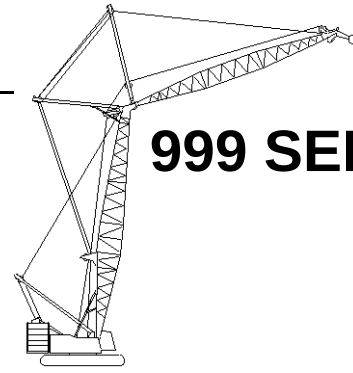


Liftcrane Luffing Jib Capacities

999 SERIES 3

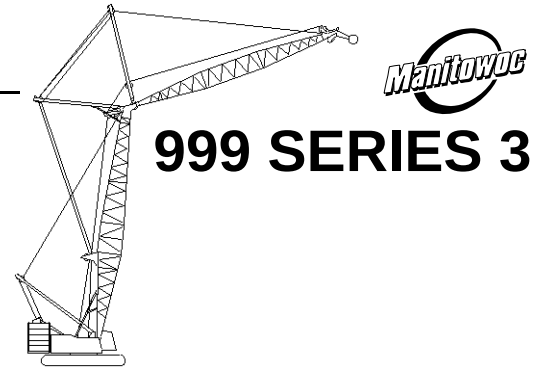
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



80 Ft. Boom, 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	91,100*													65
70	65.2	214.5	78,500*	66.4	215.6	81,600*	68.3	216.9	85,700*													70
75	62.9	212.0	73,600*	64.2	213.2	76,800*	66.0	214.7	80,900*	67.9	215.8	83,900										75
80	60.5	209.3	67,300*	61.9	210.6	70,700*	63.8	212.3	76,300*	65.7	213.6	77,300										80
85	58.2	206.3	61,800*	59.5	207.8	64,800*	61.5	209.7	69,700*	63.4	211.1	71,500										85
90	55.7	203.0	57,000*	57.1	204.6	59,600*	59.1	206.7	63,900*	61.1	208.4	66,400										90
95	53.2	199.3	52,800*	54.6	201.2	55,100*	56.7	203.5	58,900*	58.7	205.5	62,000	61.9	207.7	59,700							95
100	50.5	195.3	49,100*	52.0	197.4	51,100*	54.2	200.0	54,400*	56.2	202.2	58,000	59.5	204.8	55,900							100
105	47.8	190.9	45,800*	49.4	193.2	47,600*	51.6	196.2	50,500*	53.7	198.6	53,700*	57.1	201.7	52,400							105
110	45.0	186.1	42,800*	46.6	188.6	44,400*	48.9	191.9	47,100*	51.1	194.7	49,900*	54.6	198.2	49,300	57.9	200.4	47,500				110
115	42.0	180.7	40,100*	43.7	183.5	41,600*	46.1	187.3	43,900*	48.4	190.4	46,500*	52.0	194.4	46,500	55.4	197.1	44,700				115
120	38.8	174.7	37,700*	40.6	177.9	39,000*	43.2	182.1	41,100*	45.6	185.7	43,400*	49.4	190.3	44,000	52.9	193.4	42,300				120
125	35.3	167.9	35,400*	37.3	171.6	36,600*	40.0	176.4	38,600*	42.6	180.4	40,700*	46.6	185.7	41,600	50.2	189.4	40,000				125
130	31.6	160.2	33,400*	33.7	164.4	34,500*	36.7	169.9	36,300*	39.5	174.5	38,100*	43.7	180.6	39,500	47.5	184.9	37,900	51.0	187.7	36,400	130
135	27.3	151.2	31,500*	29.8	156.2	32,500*	33.1	162.6	34,100*	36.1	168.0	35,900*	40.6	175.0	37,500	44.6	180.0	36,000	48.3	183.3	34,600	135
140	22.4	140.1	29,800*	25.2	146.4	30,700*	29.0	154.1	32,200*	32.4	160.5	33,800*	37.3	168.7	35,700	41.6	174.6	34,300	45.4	178.6	32,900	140
145	16.0	125.3	26,800*	19.8	134.0	29,000*	24.4	144.0	30,400*	28.3	151.8	31,800*	33.8	161.6	34,000	38.4	168.5	32,600	42.5	173.3	31,300	145
150	2.0	91.6	19,200*	12.1	115.8	25,200*	18.7	131.0	28,700*	23.5	141.2	30,100*	29.8	153.3	32,400	34.9	161.7	31,100	39.3	167.4	29,800	150
155							10.2	110.8	25,400*	17.5	127.5	28,400*	25.3	143.5	30,600*	31.1	153.8	29,700	35.9	160.8	28,400	155
160										7.8	104.2	25,300*	19.8	131.2	28,900*	26.8	144.6	28,300	32.2	153.2	27,100	160
165													12.2	113.1	27,300*	21.7	133.2	27,100	28.1	144.4	25,900	165
170																15.1	117.7	25,900	23.2	133.8	24,800	170
175																			17.2	119.8	23,700	175
180																			6.9	95.2	22,600	180



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

80 Ft. Boom, 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	83,600*													70
75	64.8	223.2	72,500*	66.0	224.3	75,300*	67.7	225.6	79,000*													75
80	62.7	220.7	67,100*	63.9	221.9	70,500*	65.7	223.4	74,700*	67.4	224.5	77,100										80
85	60.5	218.0	61,600*	61.7	219.3	64,600*	63.5	221.0	69,500*	65.3	222.3	71,300										85
90	58.3	214.9	56,900*	59.5	216.4	59,500*	61.4	218.3	63,700*	63.2	219.8	66,300										90
95	56.0	211.7	52,700*	57.3	213.3	55,000*	59.2	215.4	58,700*	61.0	217.1	61,800										95
100	53.6	208.1	48,900*	55.0	209.9	51,000*	56.9	212.2	54,300*	58.8	214.1	57,800	61.8	216.4	55,700							100
105	51.2	204.1	45,600*	52.6	206.1	47,400*	54.6	208.8	50,400*	56.5	210.9	53,600*	59.6	213.5	52,300							105
110	48.7	199.9	42,600*	50.1	202.1	44,300*	52.2	205.0	46,900*	54.2	207.4	49,700*	57.3	210.4	49,200							110
115	46.1	195.2	39,900*	47.6	197.6	41,400*	49.7	200.8	43,800*	51.7	203.5	46,300*	55.0	207.0	46,400	58.0	209.1	44,600				115
120	43.4	190.1	37,500*	44.9	192.8	38,800*	47.1	196.3	41,000*	49.3	199.3	43,300*	52.6	203.2	43,800	55.7	205.8	42,100				120
125	40.5	184.4	35,300*	42.1	187.4	36,500*	44.4	191.4	38,400*	46.7	194.8	40,500*	50.1	199.2	41,500	53.4	202.2	39,800				125
130	37.4	178.1	33,200*	39.1	181.5	34,300*	41.6	185.9	36,100*	43.9	189.7	38,000*	47.6	194.7	39,300	50.9	198.2	37,800				130
135	34.1	171.0	31,300*	36.0	174.8	32,300*	38.6	179.9	34,000*	41.1	184.2	35,700*	44.9	189.9	37,400	48.4	193.9	35,900	51.6	196.5	34,400	135
140	30.5	162.9	29,600*	32.5	167.4	30,500*	35.4	173.1	32,000*	38.1	178.0	33,600*	42.1	184.5	35,600	45.8	189.2	34,100	49.1	192.3	32,700	140
145	26.4	153.5	28,000*	28.7	158.7	28,900*	31.9	165.5	30,200*	34.8	171.1	31,700*	39.2	178.6	33,900	43.0	184.0	32,500	46.5	187.7	31,100	145
150	21.6	142.0	26,500*	24.4	148.5	27,300*	28.0	156.6	28,600*	31.3	163.3	29,900*	36.0	172.0	32,300	40.1	178.2	31,000	43.8	182.6	29,700	150
155	15.4	126.6	23,700*	19.1	135.6	25,900*	23.6	146.0	27,000*	27.3	154.2	28,300*	32.6	164.5	30,500*	37.0	171.9	29,500	40.9	177.0	28,300	155
160	1.9	91.7	17,000*	11.6	116.8	22,400*	18.1	132.5	25,600*	22.7	143.2	26,700*	28.8	155.9	28,800*	33.7	164.7	28,200	37.9	170.8	27,000	160
165							9.8	111.6	22,600*	16.9	128.9	25,300*	24.4	145.7	27,200*	30.0	156.5	27,000	34.6	163.9	25,800	165
170										7.5	104.8	22,600*	19.2	132.8	25,700*	25.9	146.9	25,800	31.1	156.0	24,700	170
175													11.7	114.1	24,400*	21.0	135.0	24,700	27.1	146.8	23,600	175
180																14.5	119.0	23,600	22.4	135.7	22,600	180
185																			16.6	121.2	21,600	185
190																			6.6	95.7	20,600	190

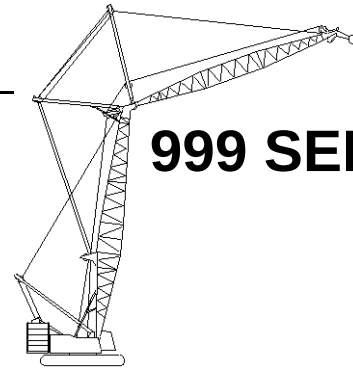


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



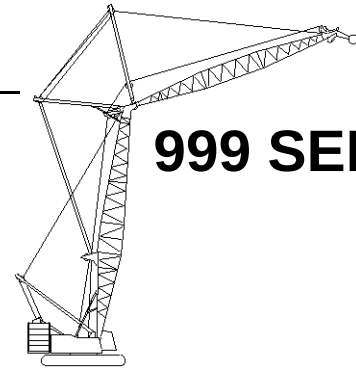
80 Ft. Boom, 160 Ft. Jib

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	
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	73,100*	69.2	236.4	76,600*													75
80	64.5	231.9	66,600*	65.6	233.0	69,300*	67.3	234.4	72,600*													80
85	62.5	229.4	61,200*	63.6	230.6	64,200*	65.3	232.1	68,800*	66.9	233.2	70,900										85
90	60.5	226.6	56,400*	61.6	228.0	59,000*	63.3	229.7	63,300*	65.0	231.0	65,800										90
95	58.4	223.6	52,200*	59.6	225.1	54,500*	61.3	227.0	58,200*	63.0	228.5	61,400										95
100	56.3	220.3	48,500*	57.4	222.0	50,500*	59.2	224.1	53,800*	60.9	225.8	57,400										100
105	54.1	216.8	45,100*	55.3	218.6	47,000*	57.1	220.9	49,900*	58.8	222.8	53,100*	61.6	225.0	51,800							105
110	51.8	213.0	42,200*	53.1	214.9	43,800*	54.9	217.5	46,400*	56.7	219.6	49,300*	59.6	222.2	48,700							110
115	49.5	208.8	39,500*	50.8	210.9	40,900*	52.7	213.8	43,300*	54.5	216.1	45,900*	57.5	219.1	45,900							115
120	47.1	204.3	37,000*	48.4	206.6	38,300*	50.4	209.7	40,500*	52.3	212.3	42,800*	55.3	215.7	43,300							120
125	44.5	199.3	34,800*	45.9	201.9	36,000*	48.0	205.3	37,900*	50.0	208.2	40,000*	53.1	212.0	41,000	56.0	214.5	39,300				125
130	41.9	193.9	32,700*	43.4	196.8	33,800*	45.5	200.5	35,600*	47.6	203.8	37,500*	50.8	208.0	38,900	53.8	210.9	37,300				130
135	39.1	188.0	30,800*	40.7	191.1	31,900*	42.9	195.3	33,500*	45.1	198.9	35,200*	48.4	203.7	36,900	51.5	207.0	35,400				135
140	36.1	181.4	29,100*	37.8	184.9	30,000*	40.2	189.6	31,500*	42.5	193.6	33,100*	46.0	199.0	35,100	49.2	202.8	33,600	52.2	205.3	32,200	140
145	33.0	174.0	27,500*	34.8	178.0	28,400*	37.3	183.3	29,700*	39.7	187.8	31,200*	43.4	193.9	33,400	46.8	198.3	32,000	49.9	201.2	30,600	145
150	29.5	165.6	26,000*	31.4	170.2	26,800*	34.2	176.2	28,100*	36.8	181.4	29,400*	40.7	188.2	31,900	44.2	193.3	30,500	47.4	196.7	29,100	150
155	25.5	155.8	24,600*	27.8	161.2	25,400*	30.9	168.2	26,500*	33.7	174.2	27,800*	37.9	182.0	30,000*	41.6	187.8	29,100	44.9	191.8	27,800	155
160	20.9	143.8	23,300*	23.6	150.6	24,000*	27.1	159.0	25,100*	30.2	166.0	26,300*	34.8	175.1	28,300*	38.8	181.8	27,800	42.3	186.5	26,500	160
165	14.9	127.9	20,800*	18.5	137.2	22,800*	22.8	148.0	23,800*	26.4	156.5	24,800*	31.5	167.3	26,800*	35.8	175.1	26,500	39.6	180.6	25,300	165
170	1.8	91.9	14,700*	11.3	117.8	19,600*	17.5	134.1	22,500*	21.9	145.1	23,500*	27.8	158.4	25,300*	32.6	167.6	25,400	36.6	174.2	24,200	170
175							9.5	112.4	19,800*	16.4	130.4	22,300*	23.6	147.7	23,900*	29.0	159.1	24,300	33.5	166.9	23,100	175
180										7.2	105.4	19,900*	18.5	134.5	22,700*	25.0	149.1	23,200	30.0	158.7	22,100	180
185													11.4	115.1	21,500*	20.3	136.8	22,200	26.2	149.1	21,200	185
190																14.1	120.2	21,300	21.7	137.6	20,300	190
195																			16.0	122.6	19,400	195
200																			6.4	96.2	18,500	200

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

80 Ft. Boom, 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	74,600*													75
80	66.1	243.0	65,500*	67.2	244.0	67,700*	68.7	245.2	70,800*													80
85	64.3	240.6	61,200*	65.3	241.7	64,200*	66.9	243.1	67,300*													85
90	62.4	238.1	56,400*	63.4	239.3	59,000*	65.0	240.8	63,400*	66.5	242.0	65,500										90
95	60.5	235.3	52,100*	61.5	236.6	54,400*	63.1	238.3	58,300*	64.7	239.7	61,000										95
100	58.5	232.3	48,300*	59.6	233.8	50,400*	61.2	235.6	53,800*	62.8	237.1	57,000										100
105	56.5	229.0	45,000*	57.6	230.6	46,800*	59.3	232.7	49,800*	60.9	234.4	53,100*										105
110	54.4	225.5	42,000*	55.6	227.3	43,600*	57.3	229.6	46,300*	58.9	231.5	49,200*	61.6	233.7	48,300							110
115	52.3	221.8	39,200*	53.5	223.7	40,700*	55.2	226.2	43,100*	56.9	228.3	45,700*	59.6	230.8	45,500							115
120	50.1	217.7	36,800*	51.4	219.8	38,100*	53.1	222.5	40,300*	54.9	224.8	42,600*	57.6	227.7	43,000							120
125	47.9	213.3	34,500*	49.1	215.5	35,700*	51.0	218.6	37,700*	52.8	221.1	39,800*	55.6	224.4	40,700							125
130	45.6	208.5	32,400*	46.9	211.0	33,600*	48.8	214.3	35,400*	50.6	217.1	37,300*	53.5	220.8	38,500	56.2	223.2	36,900				130
135	43.1	203.3	30,500*	44.5	206.0	31,600*	46.5	209.6	33,200*	48.4	212.8	35,000*	51.4	216.9	36,600	54.2	219.7	35,000				135
140	40.6	197.6	28,800*	42.0	200.6	29,700*	44.1	204.6	31,300*	46.1	208.1	32,900*	49.2	212.6	34,700	52.1	215.8	33,200				140
145	37.9	191.4	27,200*	39.4	194.7	28,100*	41.6	199.1	29,400*	43.7	203.0	30,900*	46.9	208.1	33,100	49.9	211.7	31,600	52.7	214.1	30,200	145
150	35.0	184.5	25,700*	36.6	188.2	26,500*	39.0	193.2	27,800*	41.1	197.4	29,100*	44.5	203.1	31,500	47.6	207.3	30,100	50.5	210.0	28,800	150
155	31.9	176.8	24,300*	33.7	181.0	25,000*	36.2	186.5	26,200*	38.5	191.3	27,500*	42.0	197.7	29,700*	45.3	202.5	28,700	48.3	205.7	27,400	155
160	28.5	168.1	23,000*	30.5	172.9	23,700*	33.2	179.2	24,800*	35.7	184.6	26,000*	39.4	191.8	28,000*	42.8	197.2	27,400	45.9	201.0	26,100	160
165	24.7	157.9	21,800*	26.9	163.6	22,400*	29.9	170.9	23,400*	32.6	177.1	24,500*	36.7	185.3	26,500*	40.3	191.5	26,200	43.5	195.8	24,900	165
170	20.2	145.6	20,600*	22.8	152.6	21,200*	26.3	161.4	22,200*	29.3	168.6	23,200*	33.7	178.1	25,000*	37.6	185.2	25,000	41.0	190.3	23,800	170
175	14.4	129.1	18,200*	17.9	138.8	20,100*	22.1	150.0	21,000*	25.6	158.8	22,000*	30.5	170.0	23,600*	34.7	178.2	23,900	38.3	184.1	22,800	175
180	1.8	92.0	12,700*	10.9	118.7	17,200*	16.9	135.5	19,900*	21.3	147.0	20,800*	27.0	160.7	22,300*	31.6	170.4	22,900	35.5	177.4	21,800	180
185							9.2	113.2	17,400*	15.8	131.7	19,700*	22.9	149.8	21,100*	28.1	161.6	21,900	32.4	169.8	20,800	185
190										7.0	106.0	17,500*	18.0	136.0	20,000*	24.3	151.2	21,000	29.1	161.3	20,000	190
195													11.0	116.0	18,900*	19.7	138.5	20,100	25.4	151.4	19,100	195
200																13.6	121.3	19,200	21.0	139.5	18,300	200
205																			15.5	123.9	17,500	205
210																			6.2	96.7	16,700	210



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



80 Ft. Boom, 180 Ft. Jib

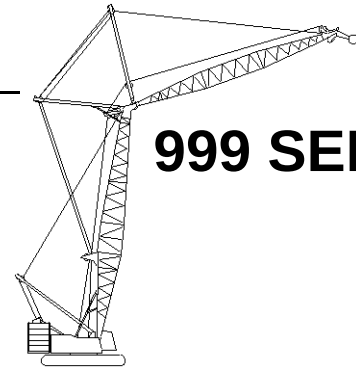
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	69,200*																75
80	67.5	253.9	61,300*	68.5	254.8	65,800*	69.9	255.9	67,900*													80
85	65.8	251.7	60,500*	66.8	252.7	62,700*	68.2	253.9	63,800													85
90	64.0	249.3	55,900*	65.0	250.4	58,500*	66.5	251.8	58,900	67.9	252.8	56,900										90
95	62.2	246.7	51,600*	63.2	248.0	54,000*	64.7	249.5	54,600	66.2	250.7	52,700										95
100	60.4	243.9	47,900*	61.4	245.3	49,900*	62.9	247.0	50,800	64.4	248.3	49,000										100
105	58.6	240.9	44,500*	59.6	242.4	46,300*	61.1	244.3	47,300	62.6	245.8	45,600										105
110	56.7	237.7	41,500*	57.7	239.3	43,100*	59.3	241.4	44,200	60.8	243.1	42,600										110
115	54.7	234.3	38,700*	55.8	236.0	40,200*	57.4	238.3	41,500	59.0	240.1	39,900	61.5	242.4	37,400							115
120	52.8	230.5	36,300*	53.9	232.4	37,600*	55.5	234.9	38,900	57.1	237.0	37,500	59.6	239.5	35,000							120
125	50.7	226.5	34,000*	51.9	228.6	35,200*	53.5	231.3	36,600	55.2	233.5	35,200	57.8	236.4	32,900							125
130	48.6	222.2	31,900*	49.8	224.4	33,100*	51.5	227.4	34,500	53.2	229.9	33,100	55.8	233.1	30,900							130
135	46.4	217.6	30,000*	47.7	220.0	31,100*	49.4	223.2	32,500	51.2	225.9	31,200	53.9	229.5	29,100	56.5	231.9	27,000				135
140	44.2	212.6	28,300*	45.5	215.2	29,200*	47.3	218.7	30,700	49.1	221.7	29,500	51.9	225.7	27,400	54.5	228.4	25,400				140
145	41.8	207.1	26,700*	43.2	210.0	27,600*	45.1	213.8	28,900*	46.9	217.1	27,800	49.8	221.5	25,900	52.5	224.6	23,900				145
150	39.4	201.2	25,200*	40.8	204.4	26,000*	42.8	208.6	27,300*	44.7	212.2	26,300	47.7	217.1	24,400	50.5	220.6	22,600				150
155	36.8	194.7	23,800*	38.2	198.2	24,500*	40.3	202.8	25,700*	42.4	206.9	24,900	45.5	212.3	23,100	48.4	216.3	21,300	51.1	218.9	19,500	155
160	34.0	187.6	22,500*	35.6	191.4	23,200*	37.8	196.6	24,300*	39.9	201.0	23,600	43.2	207.1	21,800	46.2	211.6	20,100	49.0	214.6	18,400	160
165	31.0	179.6	21,300*	32.7	183.9	21,900*	35.1	189.7	22,900*	37.3	194.7	22,300	40.8	201.5	20,600	43.9	206.5	18,900	46.8	210.0	17,300	165
170	27.7	170.6	20,100*	29.6	175.5	20,700*	32.2	182.1	21,700*	34.6	187.7	21,100	38.3	195.3	19,500	41.6	201.0	17,900	44.6	205.1	16,300	170
175	24.0	160.1	19,000*	26.1	165.9	19,600*	29.0	173.5	20,500*	31.7	179.9	20,000	35.6	188.6	18,500	39.1	195.1	16,900	42.2	199.7	15,400	175
180	19.6	147.3	18,000*	22.2	154.5	18,600*	25.5	163.6	19,400*	28.4	171.1	19,000	32.7	181.1	17,500	36.5	188.5	16,000	39.8	193.9	14,500	180
185	14.0	130.3	15,800*	17.4	140.3	17,600*	21.4	151.9	18,400*	24.8	161.0	18,000	29.6	172.7	16,500	33.7	181.3	15,100	37.2	187.5	13,600	185
190	1.7	92.1	10,700*	10.6	119.6	14,800*	16.4	136.9	17,400*	20.6	148.8	17,100	26.2	163.1	15,600	30.6	173.2	14,200	34.5	180.5	12,800	190
195							8.9	114.0	15,100*	15.4	133.1	16,100	22.2	151.7	14,800	27.3	164.0	13,400	31.5	172.7	12,100	195
200										6.8	106.5	15,200*	17.4	137.5	14,000	23.6	153.3	12,600	28.3	163.8	11,300	200
205													10.7	116.9	13,100	19.1	140.2	11,900	24.6	153.6	10,600	205
210																13.2	122.5	11,200	20.4	141.3	10,000	210
215																			15.1	125.2	9,300	215
220																			6.0	97.2	8,600	220



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

80 Ft. Boom, 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	62,800*	71.0	266.5	60,800*													80
85	67.2	262.6	54,400*	68.1	263.6	61,000*	69.4	264.7	60,400*													85
90	65.5	260.4	53,900*	66.4	261.4	58,200*	67.8	262.7	58,600													90
95	63.8	258.0	51,400*	64.8	259.1	53,700*	66.1	260.5	54,300	67.5	261.6	52,400										95
100	62.1	255.4	47,600*	63.1	256.6	49,700*	64.5	258.2	50,500	65.9	259.4	48,700										100
105	60.4	252.6	44,200*	61.4	253.9	46,100*	62.8	255.7	47,000	64.2	257.0	45,300										105
110	58.6	249.6	41,200*	59.6	251.1	42,900*	61.1	253.0	44,000	62.5	254.5	42,300										110
115	56.9	246.4	38,500*	57.9	248.0	40,000*	59.3	250.1	41,200	60.8	251.7	39,600										115
120	55.0	243.0	36,000*	56.1	244.7	37,400*	57.6	246.9	38,600	59.0	248.8	37,200	61.4	251.0	34,700							120
125	53.2	239.3	33,700*	54.2	241.2	35,000*	55.7	243.6	36,300	57.2	245.6	34,900	59.6	248.2	32,600							125
130	51.2	235.4	31,700*	52.3	237.4	32,800*	53.9	240.0	34,200	55.4	242.3	32,800	57.9	245.1	30,600							130
135	49.3	231.2	29,800*	50.4	233.3	30,800*	52.0	236.2	32,200	53.6	238.6	30,900	56.1	241.8	28,800							135
140	47.2	226.6	28,000*	48.4	229.0	29,000*	50.0	232.1	30,400	51.7	234.8	29,200	54.2	238.2	27,100	56.7	240.6	25,100				140
145	45.1	221.8	26,400*	46.3	224.3	27,300*	48.0	227.7	28,700*	49.7	230.6	27,500	52.3	234.5	25,600	54.8	237.1	23,600				145
150	42.9	216.5	24,900*	44.2	219.3	25,700*	46.0	223.0	27,000*	47.7	226.1	26,000	50.4	230.4	24,100	52.9	233.4	22,300				150
155	40.7	210.9	23,500*	41.9	213.8	24,300*	43.8	217.9	25,500*	45.6	221.4	24,600	48.4	226.1	22,800	51.0	229.4	21,000				155
160	38.3	204.7	22,200*	39.6	208.0	22,900*	41.6	212.4	24,000*	43.4	216.2	23,300	46.3	221.4	21,500	49.0	225.2	19,800	51.6	227.7	18,100	160
165	35.7	198.0	21,000*	37.2	201.6	21,600*	39.2	206.4	22,700*	41.2	210.6	22,100	44.2	216.4	20,300	47.0	220.6	18,700	49.6	223.5	17,000	165
170	33.1	190.6	19,800*	34.6	194.6	20,500*	36.7	199.9	21,400*	38.8	204.6	20,900	42.0	211.0	19,200	44.9	215.7	17,600	47.6	219.1	16,000	170
175	30.1	182.3	18,800*	31.8	186.8	19,400*	34.1	192.8	20,300*	36.3	198.0	19,800	39.6	205.1	18,200	42.7	210.4	16,600	45.5	214.3	15,100	175
180	26.9	173.0	17,800*	28.8	178.1	18,300*	31.3	184.9	19,200*	33.6	190.7	18,800	37.2	198.7	17,200	40.4	204.7	15,700	43.3	209.1	14,200	180
185	23.3	162.1	16,800*	25.4	168.2	17,300*	28.2	176.0	18,100*	30.8	182.7	17,800	34.6	191.7	16,300	38.0	198.5	14,800	41.0	203.5	13,400	185
190	19.1	149.0	15,900*	21.6	156.4	16,400*	24.8	165.8	17,100*	27.7	173.6	16,800	31.8	183.9	15,400	35.5	191.7	14,000	38.7	197.4	12,600	190
195	13.6	131.5	13,800*	16.9	141.8	15,500*	20.9	153.7	16,200*	24.2	163.1	16,000	28.8	175.2	14,500	32.7	184.2	13,200	36.2	190.8	11,800	195
200	1.6	92.2	9,200*	10.3	120.5	13,000*	16.0	138.3	15,300*	20.1	150.6	15,100	25.4	165.3	13,700	29.8	175.9	12,400	33.5	183.5	11,100	200
205							8.7	114.7	13,200*	15.0	134.4	14,300	21.6	153.6	13,000	26.6	166.4	11,700	30.6	175.4	10,400	205
210										6.6	107.1	13,400*	17.0	139.0	12,200	22.9	155.3	11,000	27.5	166.2	9,700	210
215													10.4	117.8	11,500	18.6	141.8	10,300	24.0	155.7	9,100	215
220																12.9	123.6	9,600	19.8	143.0	8,500	220
225																			14.6	126.5	7,900	225
230																			5.8	97.7	7,300	230



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



80 Ft. Boom, 200 Ft. Jib

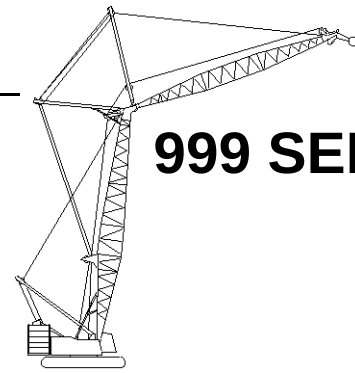
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	55,200*	70.5	275.4	53,600*													85
90	66.8	271.4	47,800*	67.7	272.3	54,700*	69.0	273.5	53,200*													90
95	65.2	269.1	47,300*	66.1	270.1	53,200*	67.4	271.4	52,800*													95
100	63.6	266.7	46,800*	64.5	267.8	49,200*	65.8	269.2	49,900	67.1	270.3	48,100										100
105	62.0	264.0	43,700*	62.9	265.3	45,600*	64.3	266.9	46,500	65.6	268.1	44,700										105
110	60.4	261.3	40,700*	61.3	262.6	42,400*	62.7	264.3	43,400	64.0	265.7	41,700										110
115	58.7	258.3	38,000*	59.6	259.7	39,500*	61.0	261.6	40,600	62.4	263.1	39,000										115
120	57.0	255.1	35,500*	58.0	256.7	36,900*	59.4	258.7	38,100	60.7	260.4	36,600	62.9	262.4	34,100							120
125	55.3	251.7	33,200*	56.3	253.4	34,500*	57.7	255.6	35,700	59.1	257.5	34,300	61.3	259.7	32,000							125
130	53.5	248.1	31,200*	54.5	249.9	32,300*	56.0	252.3	33,600	57.4	254.3	32,300	59.7	256.8	30,000							130
135	51.7	244.2	29,300*	52.7	246.2	30,300*	54.2	248.8	31,700	55.7	251.0	30,300	58.0	253.7	28,200							135
140	49.8	240.1	27,500*	50.9	242.2	28,500*	52.4	245.0	29,900	53.9	247.4	28,600	56.3	250.5	26,500							140
145	47.9	235.6	25,900*	49.0	237.9	26,800*	50.6	240.9	28,200*	52.1	243.6	27,000	54.5	247.0	25,000	56.8	249.2	23,000				145
150	46.0	230.9	24,400*	47.1	233.4	25,200*	48.7	236.6	26,500*	50.2	239.5	25,500	52.7	243.2	23,500	55.1	245.8	21,600				150
155	43.9	225.8	23,000*	45.1	228.5	23,800*	46.7	232.0	25,000*	48.3	235.1	24,000	50.9	239.3	22,200	53.3	242.2	20,300				155
160	41.8	220.4	21,700*	43.0	223.2	22,400*	44.7	227.1	23,500*	46.4	230.5	22,700	49.0	235.0	20,900	51.5	238.3	19,100				160
165	39.6	214.5	20,500*	40.8	217.6	21,100*	42.6	221.8	22,200*	44.4	225.5	21,500	47.1	230.4	19,700	49.6	234.1	18,000	52.0	236.5	16,400	165
170	37.3	208.1	19,300*	38.6	211.5	20,000*	40.5	216.1	20,900*	42.3	220.1	20,300	45.1	225.6	18,600	47.7	229.6	17,000	50.1	232.4	15,400	170
175	34.8	201.1	18,300*	36.2	204.9	18,800*	38.2	209.9	19,800*	40.1	214.3	19,200	43.0	220.3	17,600	45.7	224.9	16,000	48.2	228.0	14,400	175
180	32.2	193.5	17,300*	33.7	197.6	17,800*	35.8	203.2	18,700*	37.8	208.0	18,200	40.9	214.7	16,600	43.7	219.8	15,100	46.3	223.4	13,500	180
185	29.4	184.9	16,300*	31.0	189.6	16,800*	33.2	195.8	17,600*	35.3	201.2	17,200	38.6	208.6	15,700	41.6	214.3	14,200	44.3	218.3	12,700	185
190	26.2	175.3	15,400*	28.0	180.6	15,900*	30.5	187.6	16,600*	32.8	193.7	16,300	36.2	202.0	14,800	39.3	208.3	13,300	42.1	213.0	11,900	190
195	22.7	164.1	14,600*	24.7	170.3	15,000*	27.5	178.4	15,700*	30.0	185.4	15,400	33.7	194.7	14,000	37.0	201.9	12,600	39.9	207.1	11,200	195
200	18.6	150.6	13,800*	21.0	158.3	14,200*	24.2	167.9	14,800*	26.9	176.0	14,600	31.0	186.7	13,200	34.5	194.8	11,800	37.6	200.8	10,500	200
205	13.3	132.7	11,700*	16.5	143.2	13,400*	20.3	155.5	14,000*	23.5	165.2	13,800	28.0	177.7	12,400	31.9	187.1	11,100	35.2	194.0	9,800	205
210	1.6	92.3	7,500*	10.0	121.3	11,000*	15.6	139.7	13,200*	19.6	152.3	13,000	24.8	167.5	11,700	29.0	178.4	10,400	32.6	186.4	9,100	210
215							8.5	115.4	11,300*	14.6	135.6	12,300	21.0	155.5	11,000	25.9	168.7	9,700	29.8	178.1	8,500	215
220										6.4	107.6	11,400*	16.5	140.4	10,300	22.3	157.3	9,100	26.8	168.6	7,900	220
225													10.1	118.7	9,700	18.1	143.4	8,500	23.3	157.7	7,300	225
230																12.5	124.7	7,900	19.3	144.7	6,800	230
235																			14.3	127.7	6,200	235
240																			5.7	98.2	5,700	240



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

80 Ft. Boom, 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	49,200*	70.0	284.2	47,900*													90
95	66.5	280.1	42,500*	67.3	281.1	48,600*	68.5	282.3	47,500*													95
100	65.0	277.8	42,000*	65.8	278.9	48,100*	67.1	280.2	47,100*													100
105	63.5	275.3	41,600*	64.3	276.5	45,700*	65.6	278.0	46,000	66.8	279.1	44,200										105
110	61.9	272.7	40,700*	62.8	274.0	42,400*	64.1	275.6	42,900	65.3	276.8	41,200										110
115	60.4	269.9	37,900*	61.2	271.3	39,500*	62.5	273.0	40,100	63.8	274.4	38,500										115
120	58.8	266.9	35,400*	59.7	268.4	36,800*	61.0	270.3	37,600	62.3	271.8	36,100										120
125	57.2	263.8	33,100*	58.1	265.3	34,400*	59.4	267.4	35,300	60.7	269.1	33,800	62.8	271.0	31,400							125
130	55.5	260.4	31,000*	56.4	262.1	32,200*	57.8	264.3	33,100	59.1	266.1	31,800	61.3	268.3	29,500							130
135	53.8	256.8	29,100*	54.8	258.6	30,100*	56.2	261.0	31,200	57.5	263.0	29,900	59.7	265.5	27,700							135
140	52.1	253.0	27,300*	53.1	254.9	28,300*	54.5	257.5	29,400	55.9	259.7	28,100	58.1	262.4	26,000							140
145	50.4	248.9	25,600*	51.3	251.0	26,600*	52.8	253.8	27,700	54.2	256.1	26,500	56.5	259.2	24,400							145
150	48.6	244.6	24,100*	49.6	246.8	25,000*	51.1	249.8	26,200	52.5	252.3	25,000	54.8	255.7	23,000	57.0	257.9	21,100				150
155	46.7	240.0	22,700*	47.7	242.4	23,500*	49.3	245.6	24,700*	50.7	248.3	23,600	53.1	252.0	21,700	55.3	254.5	19,800				155
160	44.8	235.0	21,400*	45.9	237.6	22,100*	47.4	241.1	23,300*	48.9	244.1	22,200	51.4	248.1	20,400	53.6	250.9	18,600				160
165	42.8	229.8	20,200*	43.9	232.5	20,800*	45.5	236.3	21,900*	47.1	239.5	21,000	49.6	243.9	19,200	51.9	247.1	17,500				165
170	40.7	224.1	19,000*	41.9	227.1	19,600*	43.6	231.1	20,600*	45.2	234.6	19,900	47.8	239.5	18,100	50.2	243.0	16,500	52.4	245.3	14,800	170
175	38.6	218.0	17,900*	39.8	221.2	18,500*	41.5	225.6	19,400*	43.2	229.4	18,800	45.9	234.7	17,100	48.4	238.6	15,500	50.6	241.3	13,900	175
180	36.3	211.4	16,900*	37.6	214.9	17,500*	39.4	219.7	18,300*	41.2	223.9	17,700	43.9	229.6	16,100	46.5	234.0	14,600	48.9	237.0	13,000	180
185	33.9	204.2	15,900*	35.3	208.0	16,500*	37.2	213.3	17,300*	39.1	217.9	16,800	41.9	224.2	15,200	44.6	229.0	13,700	47.0	232.4	12,200	185
190	31.4	196.3	15,000*	32.8	200.5	15,500*	34.9	206.3	16,300*	36.8	211.4	15,900	39.8	218.3	14,300	42.6	223.7	12,900	45.1	227.5	11,400	190
195	28.6	187.5	14,200*	30.2	192.3	14,600*	32.4	198.7	15,400*	34.5	204.3	15,000	37.6	212.0	13,500	40.5	218.0	12,100	43.1	222.3	10,700	195
200	25.6	177.6	13,400*	27.3	183.0	13,800*	29.7	190.3	14,500*	31.9	196.5	14,200	35.3	205.2	12,700	38.3	211.8	11,300	41.1	216.7	10,000	200
205	22.2	166.1	12,600*	24.1	172.5	13,000*	26.8	180.8	13,700*	29.2	188.0	13,400	32.8	197.7	12,000	36.1	205.1	10,600	38.9	210.7	9,300	205
210	18.1	152.2	11,900*	20.5	160.1	12,300*	23.6	170.0	12,900*	26.3	178.3	12,600	30.2	189.4	11,300	33.7	197.9	9,900	36.7	204.2	8,600	210
215	12.9	133.8	9,900*	16.0	144.6	11,500*	19.8	157.2	12,100*	22.9	167.2	11,900	27.3	180.2	10,600	31.1	189.9	9,300	34.3	197.1	8,000	215
220	1.5	92.4	6,000*	9.8	122.2	9,300*	15.2	141.0	11,400*	19.1	154.0	11,200	24.2	169.6	9,900	28.3	181.0	8,700	31.8	189.3	7,400	220
225							8.2	116.1	9,600*	14.2	136.8	10,500	20.5	157.3	9,300	25.2	170.9	8,100	29.1	180.7	6,900	225
230										6.3	108.1	9,700*	16.1	141.8	8,700	21.8	159.2	7,500	26.1	170.9	6,300	230
235													9.9	119.5	8,100	17.6	144.9	6,900	22.8	159.7	5,800	235
240																12.2	125.7	6,400	18.9	146.3	5,300	240
245																			13.9	128.9	4,800	245
250																			5.5	98.6	4,300	250

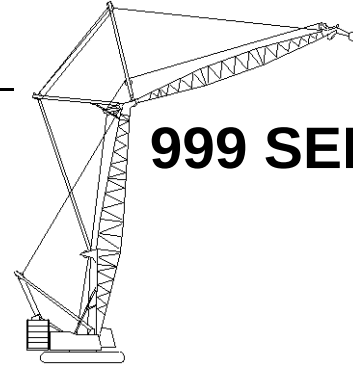


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



80 Ft. Boom, 220 Ft. Jib

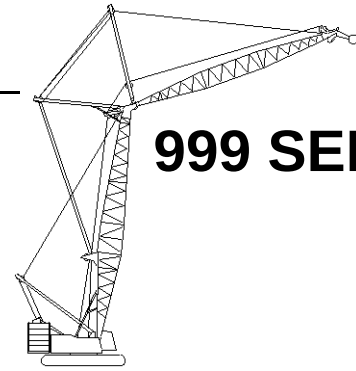
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	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	42,700*													95
100	66.2	288.8	37,800*	67.0	289.8	43,300*	68.2	291.0	42,300*													100
105	64.8	286.5	37,300*	65.6	287.6	42,800*	66.8	288.9	41,900*	67.9	289.9	43,600										105
110	63.3	284.0	36,900*	64.1	285.2	41,900*	65.3	286.7	41,500*	66.5	287.8	40,600										110
115	61.8	281.4	36,500*	62.7	282.6	39,000*	63.9	284.2	39,500	65.1	285.5	37,900										115
120	60.3	278.6	34,900*	61.2	279.9	36,300*	62.4	281.7	37,000	63.6	283.1	35,500										120
125	58.8	275.6	32,600*	59.7	277.1	33,900*	60.9	278.9	34,700	62.2	280.5	33,200										125
130	57.3	272.4	30,500*	58.2	274.0	31,700*	59.4	276.0	32,600	60.7	277.7	31,200	62.7	279.7	28,800							130
135	55.7	269.1	28,600*	56.6	270.8	29,600*	57.9	273.0	30,600	59.2	274.8	29,300	61.2	277.0	27,000							135
140	54.1	265.5	26,800*	55.0	267.3	27,800*	56.3	269.7	28,800	57.6	271.7	27,500	59.7	274.1	25,400							140
145	52.5	261.8	25,100*	53.4	263.7	26,000*	54.8	266.2	27,100	56.1	268.3	25,900	58.2	271.1	23,800							145
150	50.8	257.8	23,600*	51.8	259.8	24,500*	53.1	262.5	25,600	54.5	264.8	24,400	56.6	267.8	22,400							150
155	49.1	253.5	22,200*	50.1	255.7	23,000*	51.5	258.6	24,100	52.8	261.1	23,000	55.0	264.4	21,000	57.1	266.6	19,200				155
160	47.4	249.0	20,900*	48.3	251.3	21,600*	49.8	254.5	22,700*	51.2	257.2	21,700	53.4	260.8	19,800	55.5	263.2	18,000				160
165	45.6	244.2	19,600*	46.6	246.7	20,300*	48.1	250.0	21,400*	49.5	253.0	20,400	51.8	256.9	18,600	53.9	259.7	16,900				165
170	43.7	239.1	18,500*	44.7	241.7	19,100*	46.3	245.4	20,100*	47.7	248.5	19,300	50.1	252.8	17,500	52.3	255.9	15,800				170
175	41.8	233.6	17,400*	42.8	236.5	18,000*	44.4	240.4	18,900*	45.9	243.8	18,200	48.4	248.4	16,500	50.6	251.8	14,800	52.8	254.1	13,200	175
180	39.8	227.7	16,400*	40.9	230.8	16,900*	42.5	235.0	17,800*	44.1	238.7	17,200	46.6	243.8	15,500	48.9	247.6	13,900	51.1	250.1	12,300	180
185	37.7	221.4	15,400*	38.8	224.8	16,000*	40.5	229.3	16,800*	42.2	233.3	16,200	44.8	238.8	14,600	47.2	243.0	13,000	49.4	245.9	11,500	185
190	35.5	214.6	14,500*	36.7	218.2	15,000*	38.5	223.2	15,800*	40.2	227.5	15,300	42.9	233.6	13,700	45.4	238.2	12,200	47.7	241.4	10,700	190
195	33.1	207.2	13,700*	34.4	211.1	14,100*	36.3	216.6	14,900*	38.1	221.3	14,400	40.9	227.9	12,900	43.5	233.0	11,400	45.9	236.7	10,000	195
200	30.6	199.0	12,900*	32.0	203.4	13,300*	34.0	209.4	14,000*	35.9	214.6	13,600	38.9	221.9	12,100	41.5	227.5	10,700	44.0	231.6	9,300	200
205	27.9	190.0	12,100*	29.5	194.9	12,500*	31.6	201.5	13,100*	33.6	207.3	12,800	36.7	215.3	11,400	39.5	221.6	10,000	42.1	226.2	8,600	205
210	25.0	179.8	11,400*	26.7	185.4	11,700*	29.0	192.9	12,400*	31.2	199.3	12,100	34.5	208.3	10,700	37.4	215.2	9,300	40.1	220.4	8,000	210
215	21.6	168.0	10,700*	23.6	174.6	11,000*	26.2	183.2	11,600*	28.5	190.5	11,400	32.1	200.5	10,000	35.2	208.3	8,700	38.0	214.1	7,400	215
220	17.7	153.7	10,000*	20.0	161.8	10,300*	23.0	172.1	10,900*	25.6	180.6	10,700	29.5	192.0	9,400	32.8	200.8	8,100	35.8	207.4	6,800	220
225	12.6	134.9	8,100*	15.7	146.0	9,700*	19.3	158.9	10,200*	22.4	169.2	10,000	26.7	182.5	8,700	30.3	192.6	7,500	33.5	200.1	6,300	225
230	1.5	92.4	4,500*	9.5	123.0	7,500*	14.8	142.3	9,600*	18.6	155.6	9,400	23.6	171.7	8,100	27.6	183.4	6,900	31.0	192.1	5,700	230
235							8.0	116.8	7,800*	13.9	138.0	8,700	20.0	159.0	7,600	24.6	173.1	6,400	28.4	183.2	5,200	235
240										6.1	108.6	8,000*	15.7	143.2	7,000	21.2	161.1	5,800	25.5	173.2	4,700	240
245													9.6	120.3	6,400	17.2	146.4	5,300	22.2	161.7	4,200	245
250																11.9	126.7	4,800				250



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

80 Ft. Boom, 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			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	
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	41,300*	69.2	301.8	40,800*													100
105	65.9	297.5	35,400*	66.7	298.5	40,900*	67.8	299.8	40,400*													105
110	64.6	295.2	35,000*	65.3	296.3	40,500*	66.5	297.6	40,000*	67.6	298.7	40,200										110
115	63.2	292.7	34,600*	63.9	293.9	38,500*	65.1	295.4	39,100	66.2	296.5	37,500										115
120	61.8	290.0	34,200*	62.5	291.3	35,900*	63.7	292.9	36,600	64.9	294.2	35,000										120
125	60.3	287.2	32,200*	61.1	288.6	33,500*	62.3	290.3	34,300	63.5	291.7	32,800										125
130	58.9	284.3	30,100*	59.7	285.7	31,200*	60.9	287.6	32,200	62.1	289.1	30,700										130
135	57.4	281.1	28,200*	58.2	282.7	29,200*	59.5	284.7	30,200	60.6	286.4	28,800	62.6	288.4	26,600							135
140	55.9	277.8	26,400*	56.8	279.4	27,400*	58.0	281.6	28,400	59.2	283.4	27,100	61.1	285.7	24,900							140
145	54.4	274.3	24,700*	55.2	276.0	25,600*	56.5	278.4	26,700	57.7	280.3	25,500	59.7	282.8	23,400							145
150	52.8	270.5	23,200*	53.7	272.4	24,100*	55.0	274.9	25,200	56.2	277.0	24,000	58.3	279.7	22,000							150
155	51.3	266.6	21,800*	52.1	268.6	22,600*	53.4	271.3	23,700	54.7	273.6	22,600	56.8	276.5	20,600							155
160	49.6	262.4	20,500*	50.5	264.6	21,200*	51.9	267.4	22,300*	53.2	269.9	21,300	55.3	273.1	19,400	57.2	275.3	17,500				160
165	48.0	258.0	19,300*	48.9	260.3	19,900*	50.3	263.3	21,000*	51.6	266.0	20,000	53.7	269.5	18,200	55.7	271.9	16,400				165
170	46.3	253.3	18,100*	47.2	255.7	18,700*	48.6	259.0	19,700*	50.0	261.9	18,900	52.2	265.7	17,100	54.2	268.4	15,400				170
175	44.5	248.3	17,000*	45.5	250.9	17,600*	46.9	254.4	18,500*	48.3	257.5	17,800	50.6	261.6	16,100	52.7	264.6	14,400				175
180	42.7	243.0	16,000*	43.7	245.8	16,600*	45.2	249.5	17,400*	46.6	252.8	16,800	48.9	257.4	15,100	51.1	260.7	13,500				180
185	40.8	237.3	15,000*	41.9	240.3	15,600*	43.4	244.4	16,400*	44.9	247.9	15,800	47.2	252.8	14,200	49.4	256.5	12,600	51.5	258.9	11,100	185
190	38.8	231.3	14,100*	39.9	234.5	14,600*	41.5	238.8	15,400*	43.1	242.7	14,900	45.5	248.0	13,300	47.8	252.0	11,800	49.9	254.8	10,300	190
195	36.8	224.7	13,300*	37.9	228.2	13,700*	39.6	232.9	14,500*	41.2	237.1	14,000	43.7	242.9	12,500	46.1	247.3	11,000	48.2	250.4	9,600	195
200	34.6	217.7	12,500*	35.9	221.5	12,900*	37.6	226.6	13,600*	39.3	231.1	13,200	41.9	237.4	11,700	44.3	242.3	10,300	46.5	245.8	8,900	200
205	32.4	210.1	11,700*	33.7	214.2	12,100*	35.5	219.8	12,800*	37.2	224.7	12,400	40.0	231.6	11,000	42.5	236.9	9,600	44.8	240.8	8,200	205
210	29.9	201.7	11,000*	31.3	206.2	11,400*	33.3	212.4	12,000*	35.1	217.8	11,700	38.0	225.3	10,300	40.6	231.2	8,900	43.0	235.6	7,600	210
215	27.3	192.4	10,300*	28.8	197.5	10,700*	30.9	204.3	11,200*	32.9	210.3	11,000	35.9	218.6	9,600	38.6	225.1	8,300	41.1	229.9	7,000	215
220	24.4	181.9	9,600*	26.1	187.7	10,000*	28.4	195.4	10,500*	30.5	202.1	10,300	33.7	211.3	9,000	36.6	218.5	7,700	39.2	224.0	6,400	220
225	21.2	169.8	9,000*	23.0	176.6	9,300*	25.6	185.4	9,800*	27.9	193.0	9,700	31.3	203.4	8,400	34.4	211.4	7,100	37.1	217.5	5,900	225
230	17.3	155.3	8,400*	19.5	163.5	8,700*	22.5	174.0	9,200*	25.1	182.8	9,000	28.8	194.6	7,800	32.1	203.7	6,500	35.0	210.6	5,300	230
235	12.3	135.9	6,600*	15.3	147.3	8,100*	18.9	160.6	8,600*	21.9	171.1	8,400	26.1	184.9	7,200	29.6	195.2	6,000	32.7	203.0	4,800	235
240				9.3	123.8	6,000*	14.5	143.5	8,000*	18.2	157.2	7,900	23.1	173.8	6,700	27.0	185.8	5,500	30.3	194.8	4,400	240
245							7.9	117.4	6,300*	13.6	139.2	7,300	19.6	160.7	6,100	24.1	175.2	5,000				245
250										6.0	109.1	6,500*	15.4	144.5	5,600	20.8	162.9	4,500				250
255													9.4	121.1	5,100	16.8	147.9	4,000				255

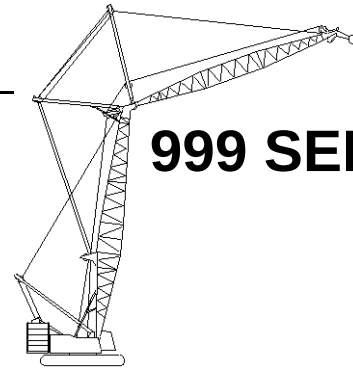


Liftcrane Luffing Jib Capacities

999 SERIES 3

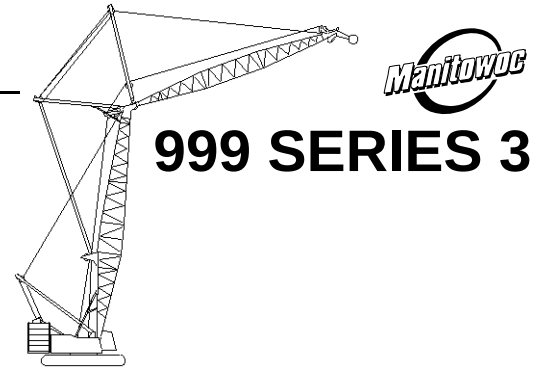
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



80 Ft. Boom, 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			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	
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	36,400*													105
110	65.7	306.2	31,600*	66.4	307.3	36,500*	67.5	308.5	36,100*													110
115	64.4	303.9	31,200*	65.1	305.0	36,100*	66.2	306.4	35,700*	67.3	307.4	36,900										115
120	63.0	301.4	30,900*	63.8	302.5	35,400*	64.9	304.1	35,400*	66.0	305.2	34,400										120
125	61.7	298.7	30,500*	62.4	300.0	33,000*	63.6	301.6	33,700	64.7	302.9	32,200										125
130	60.3	295.9	29,600*	61.1	297.3	30,700*	62.2	299.0	31,600	63.3	300.4	30,200										130
135	58.9	292.9	27,700*	59.7	294.4	28,700*	60.9	296.3	29,600	62.0	297.8	28,300										135
140	57.5	289.8	25,900*	58.3	291.3	26,900*	59.5	293.4	27,800	60.6	295.0	26,500	62.5	297.0	24,300							140
145	56.1	286.5	24,200*	56.9	288.1	25,100*	58.1	290.3	26,200	59.2	292.1	24,900	61.1	294.3	22,800							145
150	54.6	283.0	22,700*	55.4	284.7	23,600*	56.7	287.1	24,600	57.8	289.0	23,400	59.7	291.5	21,300							150
155	53.2	279.3	21,300*	54.0	281.2	22,100*	55.2	283.6	23,200	56.4	285.7	22,000	58.3	288.4	20,000							155
160	51.6	275.4	20,000*	52.5	277.4	20,700*	53.7	280.0	21,800*	54.9	282.3	20,700	56.9	285.2	18,800							160
165	50.1	271.3	18,700*	51.0	273.4	19,400*	52.2	276.2	20,500*	53.5	278.6	19,500	55.5	281.8	17,600	57.4	284.0	15,800				165
170	48.5	267.0	17,600*	49.4	269.2	18,200*	50.7	272.2	19,200*	52.0	274.8	18,300	54.0	278.2	16,500	55.9	280.6	14,800				170
175	46.9	262.4	16,500*	47.8	264.7	17,100*	49.1	267.9	18,000*	50.4	270.7	17,200	52.5	274.5	15,500	54.5	277.1	13,800				175
180	45.2	257.5	15,500*	46.2	260.0	16,000*	47.5	263.4	16,900*	48.9	266.4	16,200	51.0	270.5	14,500	53.0	273.4	12,900				180
185	43.5	252.3	14,500*	44.5	255.0	15,100*	45.9	258.7	15,900*	47.2	261.9	15,200	49.4	266.3	13,600	51.5	269.5	12,000				185
190	41.7	246.8	13,600*	42.7	249.7	14,100*	44.2	253.6	14,900*	45.6	257.1	14,300	47.8	261.8	12,700	49.9	265.4	11,200	51.9	267.7	9,700	190
195	39.9	241.0	12,800*	40.9	244.1	13,200*	42.4	248.3	14,000*	43.9	252.0	13,500	46.2	257.1	11,900	48.3	261.0	10,400	50.3	263.7	8,900	195
200	38.0	234.7	12,000*	39.1	238.0	12,400*	40.6	242.5	13,100*	42.1	246.5	12,700	44.5	252.1	11,200	46.7	256.3	9,700	48.8	259.4	8,300	200
205	36.0	228.0	11,200*	37.1	231.6	11,600*	38.7	236.5	12,300*	40.3	240.8	11,900	42.7	246.8	10,400	45.0	251.4	9,000	47.2	254.8	7,600	205
210	33.9	220.8	10,500*	35.1	224.6	10,900*	36.8	229.9	11,500*	38.4	234.6	11,100	40.9	241.2	9,700	43.3	246.2	8,300	45.5	250.0	7,000	210
215	31.7	212.9	9,800*	32.9	217.1	10,100*	34.7	222.9	10,700*	36.4	228.0	10,400	39.1	235.1	9,100	41.5	240.7	7,700	43.8	244.9	6,400	215
220	29.3	204.3	9,100*	30.6	209.0	9,500*	32.5	215.3	10,000*	34.3	220.9	9,800	37.1	228.7	8,400	39.7	234.8	7,100	42.0	239.4	5,800	220
225	26.7	194.8	8,500*	28.2	200.0	8,800*	30.2	207.0	9,300*	32.1	213.2	9,100	35.1	221.8	7,800	37.8	228.5	6,500	40.2	233.6	5,200	225
230	23.9	184.0	7,900*	25.5	190.0	8,200*	27.7	197.9	8,700*	29.8	204.7	8,500	32.9	214.3	7,200	35.8	221.7	6,000	38.3	227.4	4,700	230
235	20.7	171.7	7,300*	22.5	178.6	7,600*	25.0	187.6	8,100*	27.3	195.4	7,900	30.7	206.1	6,700	33.6	214.4	5,400	36.3	220.8	4,200	235
240	16.9	156.7	6,800*	19.1	165.2	7,000*	22.0	176.0	7,500*	24.5	185.0	7,300	28.2	197.1	6,100	31.4	206.5	4,900				240
245	12.1	137.0	5,000*	15.0	148.6	6,500*	18.5	162.2	6,900*	21.4	173.0	6,800	25.5	187.1	5,600	29.0	197.8	4,400				245
250				9.1	124.5	4,500*	14.2	144.8	6,400*	17.8	158.7	6,300	22.6	175.8	5,100	26.4	188.2	4,000				250
255							7.7	118.1	4,800*	13.3	140.4	5,700	19.2	162.4	4,600							255
260										5.8	109.6	5,000*	15.0	145.8	4,100							260



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	131,300*b	64.0	159.6	141,800*b													50
55	51.5	152.0	115,200*	54.7	154.2	120,800*	59.3	156.8	129,800*b	63.7	158.6	127,300b										55
60	45.9	147.4	107,000*	49.5	150.1	111,800*	54.4	153.4	116,200	59.0	155.7	113,800b										60
65	39.8	141.8	98,100*	43.7	145.2	104,000*	49.1	149.3	105,000	54.0	152.3	102,800	61.5	155.4	99,300b							65
70	32.7	134.7	89,100*	37.3	139.2	94,500*	43.3	144.3	95,600	48.7	148.1	93,600	56.7	152.3	90,400							70
75	23.7	125.0	79,400*	29.6	131.3	86,000*	36.8	138.1	87,600	42.9	143.1	85,800	51.6	148.5	82,900							75
80	7.2	105.5	56,700*	19.3	119.7	74,800*	29.1	130.1	80,700	36.3	136.8	79,100	46.0	144.0	76,400	54.1	147.9	73,800				80
85							18.5	118.2	74,700	28.5	128.6	73,300	39.9	138.4	70,800	48.8	143.8	68,300				85
90										17.5	116.2	68,100	32.8	131.3	65,900	43.0	138.7	63,600	51.1	142.5	61,300	90
95													23.9	121.7	61,500	36.4	132.5	59,400	45.6	137.9	57,200	95
100													7.8	102.7	57,400	28.6	124.3	55,600	39.4	132.2	53,600	100
105																17.6	111.9	52,100	32.2	125.0	50,300	105
110																			23.0	115.0	47,400	110
115																			3.9	92.3	44,500	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	128,300*b	67.5	170.6	138,500*b													50
55	57.0	164.4	112,600*	59.7	166.2	118,200*	63.5	168.3	127,100*	67.2	169.7	126,800b										55
60	52.6	160.8	104,600*	55.4	162.9	109,500*	59.4	165.4	115,800	63.3	167.3	113,400										60
65	47.9	156.5	97,600*	50.9	159.0	101,900*	55.1	162.1	104,600	59.1	164.4	102,400										65
70	42.8	151.4	88,500*	46.0	154.5	93,900*	50.6	158.2	95,200	54.8	161.0	93,200	61.3	164.1	89,900							70
75	37.1	145.2	80,800*	40.7	149.0	85,400*	45.7	153.6	87,300	50.2	157.1	85,500	57.1	161.0	82,400							75
80	30.5	137.5	74,300*	34.7	142.3	78,200*	40.4	148.0	80,500	45.3	152.4	78,800	52.7	157.3	76,000							80
85	22.1	126.9	66,900*	27.6	133.7	72,000*	34.3	141.2	74,600	40.0	146.8	73,000	48.0	153.1	70,400	54.9	156.6	67,800				85
90	6.7	106.0	48,800*	18.0	121.3	63,500*	27.1	132.5	69,300	33.9	139.9	67,900	42.8	148.0	65,500	50.3	152.7	63,100				90
95							17.2	119.6	64,700	26.5	131.0	63,400	37.2	141.8	61,100	45.4	148.0	58,900	52.3	151.3	56,700	95
100										16.3	117.6	59,300	30.6	134.1	57,300	40.0	142.4	55,200	47.6	146.9	53,100	100
105													22.2	123.6	53,700	33.9	135.5	51,800	42.4	141.8	49,900	105
110													7.2	103.2	50,500	26.6	126.6	48,800	36.7	135.5	47,000	110
115																16.4	113.3	46,000	30.0	127.7	44,300	115
120																			21.5	116.8	41,800	120
125																			3.6	92.5	39,400	125

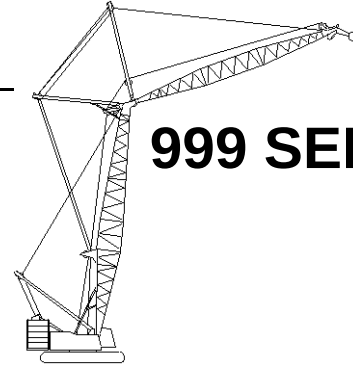


Liftcrane Luffing Jib Capacities

999 SERIES 3

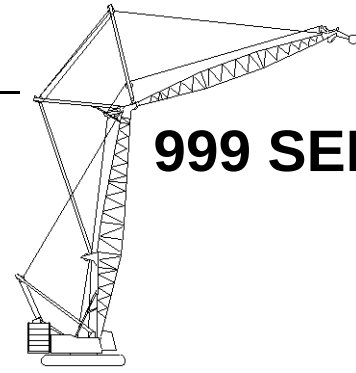
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	135,300*b													50
55	61.1	176.2	110,400*	63.4	177.7	115,900*	66.7	179.4	124,500*													55
60	57.4	173.1	102,700*	59.7	174.9	107,500*	63.2	176.9	115,100*	66.4	178.4	113,100										60
65	53.5	169.6	95,900*	55.9	171.6	100,100*	59.5	174.1	104,400	62.9	175.9	102,100										65
70	49.3	165.5	88,100*	52.0	167.9	93,600*	55.7	170.8	95,000	59.2	173.1	93,000										70
75	44.9	160.7	80,400*	47.7	163.5	85,100*	51.7	167.0	87,100	55.4	169.8	85,200	61.2	172.7	82,100							75
80	40.2	155.1	73,900*	43.2	158.5	77,800*	47.5	162.6	80,300	51.4	165.9	78,600	57.4	169.7	75,700							80
85	34.8	148.4	68,200*	38.3	152.5	71,600*	42.9	157.5	74,400	47.1	161.5	72,800	53.5	166.1	70,100							85
90	28.6	140.0	63,300*	32.6	145.2	66,200*	37.9	151.5	69,200	42.6	156.3	67,700	49.4	162.0	65,200	55.5	165.4	62,800				90
95	20.8	128.7	57,400*	26.0	136.0	61,600*	32.3	144.2	64,600	37.5	150.2	63,200	45.0	157.3	60,900	51.4	161.5	58,600				95
100	6.2	106.5	42,500*	16.9	122.7	54,800*	25.5	134.8	60,500	31.8	142.7	59,200	40.2	151.7	57,100	47.2	157.1	54,900				100
105							16.2	121.0	55,800*	24.9	133.2	55,600	34.9	145.0	53,600	42.6	151.9	51,600	49.1	155.9	49,500	105
110										15.3	118.9	52,300	28.7	136.6	50,500	37.6	145.8	48,600	44.7	151.1	46,700	110
115													20.9	125.4	47,600	31.9	138.4	45,800	39.8	145.4	44,000	115
120													6.7	103.8	44,900	25.0	128.8	43,300	34.5	138.6	41,600	120
125																15.4	114.6	41,000	28.2	130.2	39,400	125
130																			20.2	118.6	37,400	130
135																			3.3	92.7	35,300	135



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	113,300*	69.2	190.2	121,500*													55
60	61.0	184.9	100,500*	63.0	186.3	105,200*	66.0	188.1	112,600*													60
65	57.6	181.8	93,900*	59.8	183.5	98,100*	62.8	185.6	103,900	65.8	187.1	101,600										65
70	54.2	178.3	87,900*	56.4	180.3	91,800*	59.5	182.8	94,600	62.6	184.6	92,500										70
75	50.5	174.4	80,200*	52.8	176.7	84,900*	56.1	179.5	86,700	59.3	181.7	84,800										75
80	46.6	169.8	73,500*	49.1	172.5	77,500*	52.6	175.8	79,900	55.9	178.5	78,100	61.1	181.4	75,200							80
85	42.5	164.6	67,800*	45.1	167.7	71,300*	48.8	171.6	74,000	52.3	174.7	72,300	57.7	178.3	69,600							85
90	38.0	158.5	62,800*	40.9	162.2	65,800*	44.9	166.8	68,900	48.6	170.5	67,300	54.2	174.9	64,700							90
95	33.0	151.3	58,500*	36.2	155.8	61,100*	40.6	161.3	64,300	44.6	165.6	62,800	50.6	170.9	60,400	55.9	174.1	58,100				95
100	27.1	142.4	54,600*	30.9	148.0	56,900*	35.9	154.7	60,200	40.3	160.0	58,900	46.7	166.4	56,600	52.4	170.3	54,400				100
105	19.7	130.4	49,700*	24.6	138.2	53,200*	30.5	146.9	56,600	35.5	153.4	55,300	42.6	161.2	53,200	48.6	166.1	51,100				105
110	5.9	106.9	37,100*	16.0	124.1	47,600*	24.1	136.9	52,900*	30.1	145.4	52,100	38.1	155.1	50,100	44.6	161.3	48,100	50.3	164.8	46,100	110
115							15.3	122.3	48,600*	23.6	135.2	49,100	33.0	147.9	47,200	40.3	155.6	45,400	46.4	160.3	43,500	115
120										14.5	120.1	46,400	27.2	139.1	44,700	35.6	149.1	42,900	42.2	155.0	41,100	120
125													19.8	127.1	42,300	30.2	141.1	40,600	37.7	148.9	38,900	125
130													6.3	104.2	40,000	23.7	130.9	38,500	32.6	141.6	36,900	130
135																14.6	115.9	36,500	26.7	132.5	35,100	135
140																			19.1	120.2	33,300	140
145																			3.1	92.8	31,600	145

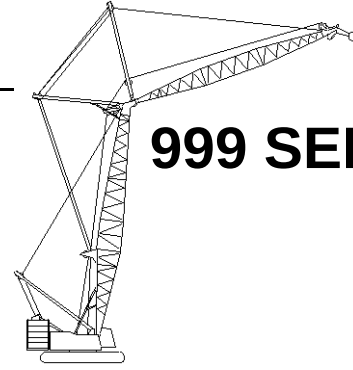


Liftcrane Luffing Jib Capacities

999 SERIES 3

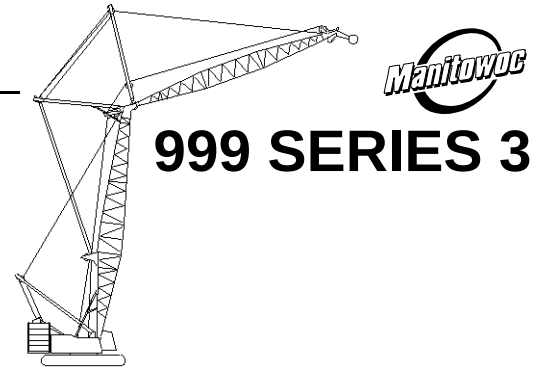
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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*																			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	103,000*	68.3	199.0	110,200*													60
65	60.9	193.5	92,000*	62.8	195.0	96,200*	65.5	196.8	102,700*													65
70	57.9	190.5	86,400*	59.8	192.2	90,100*	62.6	194.3	94,500	65.3	195.8	92,400										70
75	54.7	187.1	80,000*	56.7	189.0	84,700*	59.6	191.4	86,600	62.4	193.3	84,600										75
80	51.4	183.2	73,400*	53.5	185.4	77,400*	56.5	188.2	79,800	59.4	190.4	78,000										80
85	48.0	178.9	67,700*	50.2	181.4	71,100*	53.3	184.6	73,900	56.3	187.2	72,200	61.0	190.0	69,500							85
90	44.3	173.9	62,700*	46.6	176.9	65,700*	49.9	180.6	68,800	53.0	183.5	67,200	57.9	187.0	64,600							90
95	40.4	168.3	58,300*	42.9	171.7	60,900*	46.4	176.0	64,200	49.7	179.4	62,800	54.8	183.6	60,300							95
100	36.1	161.8	54,400*	38.8	165.8	56,700*	42.6	170.8	60,200	46.1	174.8	58,800	51.5	179.7	56,500	56.3	182.8	54,200				100
105	31.4	154.1	50,900*	34.4	158.9	53,000*	38.6	164.8	56,400*	42.4	169.6	55,200	48.0	175.4	53,100	53.1	179.1	50,900				105
110	25.8	144.7	47,800*	29.4	150.6	49,700*	34.1	157.8	52,700*	38.3	163.5	52,000	44.4	170.5	50,000	49.7	175.0	48,000				110
115	18.7	132.1	43,700*	23.4	140.2	46,700*	29.0	149.5	49,400*	33.8	156.5	49,100	40.5	164.9	47,200	46.2	170.4	45,300	51.2	173.7	43,400	115
120	5.5	107.4	32,900*	15.2	125.4	42,000*	22.9	138.9	46,500*	28.6	148.0	46,500	36.2	158.4	44,600	42.4	165.2	42,800	47.7	169.3	41,000	120
125							14.5	123.6	42,900*	22.5	137.2	44,000	31.4	150.8	42,300	38.3	159.1	40,600	44.1	164.4	38,800	125
130										13.7	121.3	41,700	25.9	141.4	40,100	33.8	152.1	38,500	40.1	158.7	36,900	130
135													18.8	128.8	38,100	28.7	143.7	36,600	35.8	152.1	35,000	135
140													6.0	104.7	36,200	22.5	132.9	34,800	31.0	144.4	33,300	140
145																13.9	117.1	33,100	25.4	134.8	31,700	145
150																			18.2	121.8	30,200	150
155																			2.9	93.0	28,700	155



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	100,500*	70.2	209.7	107,200*													60
65	63.5	204.9	89,900*	65.2	206.2	94,000*	67.7	207.7	100,200*													65
70	60.8	202.2	84,500*	62.5	203.7	88,200*	65.0	205.5	93,800*	67.5	206.7	91,900										70
75	58.0	199.1	79,600*	59.8	200.8	82,900*	62.4	202.9	86,200	64.9	204.5	84,200										75
80	55.2	195.8	72,900*	57.0	197.7	77,000*	59.6	200.1	79,400	62.2	201.9	77,500										80
85	52.2	192.0	67,200*	54.1	194.2	70,700*	56.8	196.9	73,500	59.4	199.1	71,800										85
90	49.1	187.8	62,200*	51.0	190.3	65,200*	53.9	193.4	68,400	56.6	195.9	66,800	60.9	198.7	64,100							90
95	45.8	183.1	57,700*	47.9	185.9	60,400*	50.8	189.4	63,800	53.7	192.3	62,300	58.1	195.7	59,800							95
100	42.3	177.8	53,800*	44.5	181.0	56,200*	47.6	185.0	59,800	50.6	188.3	58,400	55.2	192.3	56,000							100
105	38.6	171.8	50,400*	41.0	175.5	52,500*	44.3	180.1	55,900*	47.4	183.9	54,800	52.2	188.6	52,600	56.6	191.4	50,400				105
110	34.5	164.9	47,200*	37.1	169.1	49,100*	40.7	174.5	52,200*	44.0	178.9	51,600	49.1	184.4	49,500	53.7	187.9	47,400				110
115	30.0	156.8	44,400*	32.9	161.8	46,100*	36.9	168.1	48,900*	40.4	173.3	48,700	45.8	179.7	46,700	50.6	183.9	44,700				115
120	24.6	146.9	41,900*	28.1	153.1	43,400*	32.6	160.8	45,900*	36.6	166.8	46,100	42.4	174.4	44,200	47.4	179.5	42,300	52.0	182.5	40,500	120
125	17.9	133.6	38,300*	22.3	142.2	41,000*	27.8	151.9	43,200*	32.3	159.4	43,700	38.6	168.4	41,900	44.1	174.5	40,100	48.9	178.3	38,300	125
130	5.3	107.8	28,900*	14.5	126.7	36,900*	21.9	140.8	40,800*	27.4	150.4	41,400	34.6	161.5	39,700	40.5	168.9	38,000	45.6	173.6	36,300	130
135							13.9	124.8	37,700*	21.5	139.1	39,400	30.0	153.4	37,700	36.6	162.5	36,100	42.1	168.2	34,500	135
140										13.1	122.4	37,400	24.7	143.5	35,900	32.3	155.0	34,400	38.3	162.2	32,800	140
145													18.0	130.3	34,200	27.4	146.1	32,700	34.2	155.2	31,300	145
150													5.7	105.2	32,500	21.5	134.8	31,200	29.7	147.0	29,800	150
155																13.2	118.2	29,700	24.3	136.9	28,400	155
160																			17.4	123.3	27,100	160
165																			2.7	93.2	25,800	165

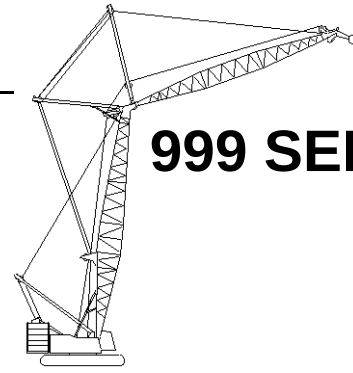


Liftcrane Luffing Jib Capacities

999 SERIES 3

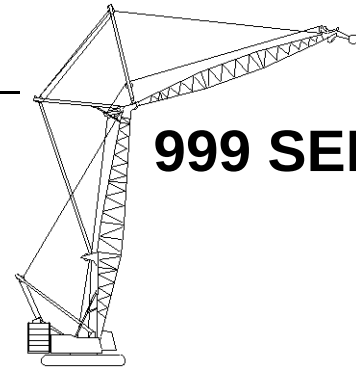
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	92,100*	69.5	218.5	98,000*													65
70	63.3	213.6	82,900*	64.8	214.9	86,500*	67.1	216.4	92,000*													70
75	60.8	210.8	78,100*	62.3	212.3	81,500*	64.7	214.2	85,800	66.9	215.5	83,800										75
80	58.2	207.8	72,900*	59.8	209.5	76,900*	62.2	211.6	79,100	64.5	213.2	77,200										80
85	55.5	204.5	67,000*	57.2	206.4	70,600*	59.7	208.7	73,200	62.0	210.6	71,400										85
90	52.8	200.8	62,000*	54.5	202.9	65,100*	57.0	205.6	68,100	59.5	207.7	66,400										90
95	50.0	196.7	57,500*	51.8	199.1	60,200*	54.4	202.1	63,500	56.9	204.5	62,000	60.8	207.4	59,400							95
100	47.0	192.2	53,600*	48.9	194.9	56,000*	51.6	198.3	59,500	54.2	201.0	58,000	58.2	204.4	55,600							100
105	43.9	187.2	50,100*	45.8	190.2	52,200*	48.7	194.0	55,700*	51.4	197.2	54,500	55.6	201.0	52,200							105
110	40.6	181.6	46,900*	42.7	184.9	48,800*	45.7	189.3	52,000*	48.5	192.9	51,300	52.9	197.3	49,200	56.9	200.1	47,000				110
115	37.0	175.2	44,100*	39.3	179.0	45,800*	42.4	184.0	48,600*	45.4	188.1	48,400	50.0	193.3	46,400	54.2	196.6	44,400				115
120	33.1	167.9	41,500*	35.6	172.4	43,100*	39.0	178.1	45,600*	42.2	182.8	45,800	47.0	188.8	43,800	51.4	192.8	41,900				120
125	28.7	159.4	39,200*	31.5	164.7	40,600*	35.3	171.3	42,900*	38.8	176.8	43,400	43.9	183.8	41,500	48.5	188.5	39,700	52.6	191.3	37,900	125
130	23.6	149.0	37,100*	26.9	155.5	38,300*	31.3	163.6	40,400*	35.1	170.0	41,200	40.6	178.1	39,400	45.5	183.7	37,700	49.8	187.2	35,900	130
135	17.1	135.1	33,900*	21.4	144.1	36,300*	26.6	154.3	38,100*	30.9	162.1	39,100	37.0	171.8	37,400	42.2	178.4	35,800	46.8	182.7	34,100	135
140	5.0	108.2	25,600*	13.9	127.9	32,700*	21.0	142.7	36,100*	26.3	152.8	37,200	33.2	164.5	35,600	38.8	172.4	34,000	43.7	177.6	32,500	140
145							13.3	125.9	33,400*	20.6	140.9	35,500	28.8	156.0	33,900	35.1	165.6	32,400	40.3	171.9	30,900	145
150										12.6	123.5	33,800	23.7	145.6	32,400	31.0	157.8	30,900	36.8	165.5	29,500	150
155													17.3	131.8	30,900	26.3	148.4	29,500	32.8	158.2	28,100	155
160													5.5	105.6	29,400	20.6	136.6	28,100	28.4	149.5	26,800	160
165																12.7	119.3	26,900	23.3	139.0	25,600	165
170																			16.6	124.8	24,500	170
175																			2.6	93.4	23,300	175



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	89,700*	71.0	229.2	95,300*													65
70	65.3	224.7	80,900*	66.7	225.9	84,500*	68.8	227.3	89,700*													70
75	63.0	222.2	76,400*	64.5	223.6	79,700*	66.6	225.2	84,500*													75
80	60.7	219.5	72,300*	62.2	221.0	75,300*	64.3	222.8	78,600	66.4	224.2	76,700										80
85	58.3	216.5	66,500*	59.8	218.2	70,100*	62.0	220.3	72,800	64.2	221.8	71,000										85
90	55.9	213.2	61,500*	57.4	215.0	64,600*	59.7	217.4	67,600	61.9	219.2	65,900										90
95	53.3	209.6	57,000*	54.9	211.6	59,700*	57.3	214.3	63,100	59.5	216.4	61,500										95
100	50.7	205.6	53,100*	52.4	207.9	55,500*	54.8	210.8	59,100	57.1	213.2	57,600	60.8	216.0	55,100							100
105	48.0	201.2	49,600*	49.7	203.8	51,700*	52.2	207.1	55,200*	54.6	209.8	54,000	58.4	213.0	51,700							105
110	45.2	196.4	46,400*	47.0	199.2	48,300*	49.6	202.9	51,500*	52.0	206.0	50,900	55.9	209.7	48,700							110
115	42.2	191.1	43,600*	44.1	194.2	45,300*	46.8	198.4	48,100*	49.4	201.8	48,000	53.4	206.1	45,900	57.1	208.8	43,800				115
120	39.0	185.1	41,000*	41.0	188.7	42,500*	43.9	193.3	45,100*	46.6	197.2	45,400	50.8	202.1	43,400	54.6	205.4	41,400				120
125	35.6	178.4	38,600*	37.8	182.5	40,000*	40.8	187.7	42,300*	43.7	192.1	43,000	48.1	197.8	41,100	52.1	201.6	39,200				125
130	31.8	170.8	36,500*	34.2	175.5	37,800*	37.5	181.5	39,800*	40.6	186.5	40,800	45.2	193.0	38,900	49.4	197.4	37,100				130
135	27.7	161.8	34,500*	30.3	167.4	35,700*	34.0	174.4	37,600*	37.3	180.2	38,700	42.2	187.6	37,000	46.6	192.8	35,300	50.6	196.1	33,600	135
140	22.7	151.0	32,700*	25.9	157.8	33,800*	30.1	166.2	35,500*	33.7	173.1	36,900	39.1	181.7	35,200	43.7	187.7	33,500	47.8	191.7	31,900	140
145	16.5	136.5	29,800*	20.6	145.9	32,000*	25.6	156.6	33,600*	29.8	164.8	35,100	35.6	175.0	33,500	40.6	182.1	31,900	45.0	186.8	30,400	145
150	4.8	108.5	22,400*	13.4	129.0	28,800*	20.2	144.4	31,900*	25.3	155.0	33,400*	31.9	167.4	31,900	37.3	175.8	30,400	42.0	181.5	28,900	150
155							12.8	127.0	29,500*	19.8	142.6	31,700*	27.7	158.5	30,500	33.8	168.7	29,000	38.8	175.5	27,600	155
160										12.1	124.5	30,100*	22.8	147.6	29,100	29.8	160.5	27,700	35.4	168.7	26,300	160
165													16.6	133.3	27,800	25.3	150.7	26,500	31.6	161.0	25,200	165
170													5.2	106.0	26,500	19.9	138.3	25,300	27.4	152.0	24,000	170
175																12.2	120.3	24,200	22.4	140.9	23,000	175
180																			16.0	126.1	22,000	180
185																			2.5	93.5	20,900	185

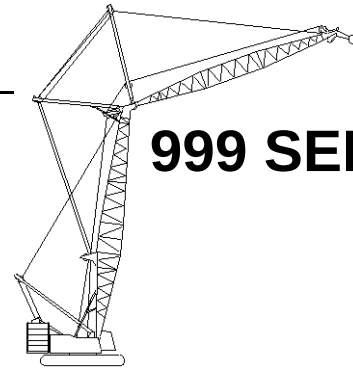


Liftcrane Luffing Jib Capacities

999 SERIES 3

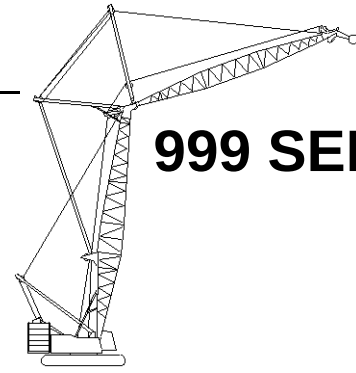
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	82,500*	70.3	238.0	87,400*													70
75	65.0	233.4	74,700*	66.3	234.6	77,900*	68.2	236.0	82,600*													75
80	62.8	230.9	70,800*	64.2	232.2	73,700*	66.2	233.9	78,100*													80
85	60.7	228.2	66,300*	62.0	229.7	69,900*	64.1	231.5	72,600	66.0	232.9	70,800										85
90	58.4	225.2	61,300*	59.8	226.8	64,400*	61.9	228.9	67,500	63.9	230.5	65,800										90
95	56.2	221.9	56,800*	57.6	223.7	59,500*	59.7	226.1	62,900	61.7	227.9	61,300										95
100	53.8	218.3	52,900*	55.3	220.3	55,300*	57.4	222.9	58,900	59.5	225.0	57,400	62.9	227.4	54,900							100
105	51.4	214.4	49,300*	52.9	216.7	51,500*	55.1	219.5	55,000*	57.3	221.9	53,900	60.7	224.7	51,500							105
110	48.9	210.2	46,200*	50.5	212.6	48,100*	52.8	215.8	51,300*	55.0	218.5	50,700	58.5	221.7	48,500							110
115	46.3	205.5	43,300*	47.9	208.2	45,100*	50.3	211.8	47,900*	52.6	214.8	47,800	56.2	218.4	45,700							115
120	43.5	200.4	40,700*	45.3	203.4	42,300*	47.8	207.4	44,900*	50.1	210.7	45,200	53.8	214.9	43,200	57.3	217.5	41,200				120
125	40.7	194.8	38,400*	42.5	198.1	39,800*	45.1	202.5	42,100*	47.6	206.2	42,800	51.4	211.0	40,900	55.0	214.1	39,000				125
130	37.6	188.5	36,200*	39.6	192.3	37,500*	42.3	197.2	39,600*	44.9	201.4	40,600	48.9	206.7	38,800	52.6	210.4	37,000				130
135	34.3	181.5	34,300*	36.4	185.8	35,400*	39.4	191.3	37,400*	42.1	196.0	38,600	46.3	202.1	36,800	50.2	206.3	35,100				135
140	30.7	173.5	32,400*	33.0	178.4	33,500*	36.2	184.8	35,300*	39.1	190.1	36,700	43.6	197.0	35,000	47.6	201.8	33,400	51.2	204.9	31,800	140
145	26.7	164.2	30,800*	29.3	170.0	31,800*	32.8	177.4	33,400*	36.0	183.5	35,000	40.7	191.4	33,400	44.9	197.0	31,800	48.7	200.6	30,200	145
150	21.9	152.9	29,200*	25.0	160.0	30,100*	29.0	168.8	31,600*	32.5	176.0	33,200*	37.7	185.1	31,800	42.1	191.6	30,300	46.1	196.0	28,800	150
155	15.9	137.9	26,600*	19.9	147.6	28,600*	24.7	158.8	30,000*	28.7	167.4	31,400*	34.4	178.1	30,400	39.2	185.7	28,900	43.4	190.8	27,400	155
160	4.7	108.9	20,000*	12.9	130.1	25,700*	19.5	146.1	28,500*	24.4	157.1	29,800*	30.8	170.2	29,000	36.0	179.1	27,600	40.5	185.2	26,200	160
165							12.4	128.1	26,400*	19.1	144.3	28,300*	26.7	160.9	27,700	32.6	171.6	26,400	37.4	178.9	25,000	165
170										11.7	125.5	26,900*	22.0	149.6	26,500	28.8	163.0	25,200	34.1	171.8	23,900	170
175													16.0	134.7	25,400	24.4	152.8	24,100	30.5	163.7	22,900	175
180													5.0	106.4	24,200	19.2	140.0	23,100	26.4	154.3	21,900	180
185																11.8	121.3	22,100	21.6	142.8	20,900	185
190																			15.4	127.5	20,000	190
195																			2.4	93.7	19,100	195



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	80,100*																70
75	66.6	244.4	72,800*	67.9	245.5	75,900*	69.7	246.8	80,200*													75
80	64.7	242.1	69,000*	65.9	243.3	71,900*	67.7	244.8	76,000*													80
85	62.7	239.6	65,500*	63.9	240.9	68,200*	65.8	242.6	72,100*	67.6	243.8	70,300										85
90	60.6	236.8	60,800*	61.9	238.3	63,900*	63.8	240.2	67,000	65.6	241.6	65,300										90
95	58.5	233.8	56,300*	59.9	235.5	59,100*	61.8	237.6	62,500	63.7	239.2	60,900										95
100	56.4	230.6	52,400*	57.7	232.4	54,800*	59.7	234.7	58,500	61.6	236.6	56,900										100
105	54.2	227.1	48,800*	55.6	229.1	51,000*	57.6	231.6	54,500*	59.6	233.7	53,400	62.7	236.1	51,000							105
110	52.0	223.2	45,700*	53.4	225.4	47,600*	55.5	228.3	50,800*	57.5	230.6	50,200	60.7	233.3	48,000							110
115	49.6	219.1	42,800*	51.1	221.5	44,600*	53.2	224.6	47,400*	55.3	227.2	47,400	58.6	230.4	45,200							115
120	47.2	214.6	40,200*	48.7	217.2	41,800*	51.0	220.7	44,400*	53.1	223.5	44,800	56.4	227.1	42,700							120
125	44.7	209.7	37,900*	46.3	212.6	39,300*	48.6	216.4	41,600*	50.8	219.5	42,400	54.2	223.6	40,400	57.5	226.2	38,500				125
130	42.1	204.3	35,700*	43.7	207.5	37,000*	46.1	211.7	39,100*	48.4	215.2	40,200	52.0	219.8	38,300	55.3	222.8	36,500				130
135	39.3	198.4	33,700*	41.1	201.9	34,900*	43.6	206.6	36,800*	46.0	210.5	38,200	49.7	215.6	36,400	53.1	219.1	34,600				135
140	36.4	191.8	31,900*	38.2	195.8	33,000*	40.9	201.0	34,800*	43.4	205.4	36,300	47.3	211.1	34,600	50.8	215.1	32,900				140
145	33.2	184.5	30,200*	35.2	189.0	31,200*	38.0	194.8	32,800*	40.7	199.7	34,600	44.8	206.2	32,900	48.4	210.8	31,300	51.8	213.7	29,700	145
150	29.7	176.2	28,600*	31.9	181.3	29,600*	35.0	187.9	31,100*	37.8	193.5	32,700*	42.1	200.9	31,400	46.0	206.1	29,800	49.5	209.6	28,200	150
155	25.8	166.5	27,200*	28.3	172.5	28,100*	31.7	180.2	29,400*	34.8	186.6	30,900*	39.4	195.0	29,900	43.4	201.0	28,400	47.1	205.0	26,900	155
160	21.2	154.8	25,900*	24.2	162.2	26,600*	28.1	171.3	27,900*	31.5	178.8	29,300*	36.4	188.4	28,600	40.7	195.4	27,100	44.6	200.1	25,700	160
165	15.4	139.2	23,500*	19.3	149.3	25,300*	23.9	160.9	26,500*	27.8	169.8	27,800*	33.2	181.1	27,300	37.9	189.1	25,900	41.9	194.7	24,500	165
170	4.5	109.3	17,400*	12.5	131.2	22,700*	18.9	147.8	25,200*	23.6	159.2	26,400*	29.8	172.8	26,100	34.8	182.2	24,800	39.1	188.7	23,400	170
175							12.0	129.1	23,300*	18.5	145.9	25,100*	25.9	163.1	25,000	31.5	174.4	23,700	36.2	182.2	22,400	175
180										11.3	126.5	23,900*	21.3	151.4	23,900	27.8	165.5	22,700	33.0	174.8	21,400	180
185													15.5	136.0	22,900	23.6	154.9	21,700	29.5	166.4	20,500	185
190													4.9	106.8	21,900	18.5	141.6	20,800	25.5	156.6	19,600	190
195																11.4	122.3	19,900	20.9	144.7	18,800	195
200																			14.9	128.8	18,000	200
205																			2.3	93.8	17,100	205



Liftcrane Luffing Jib Capacities

999 SERIES 3

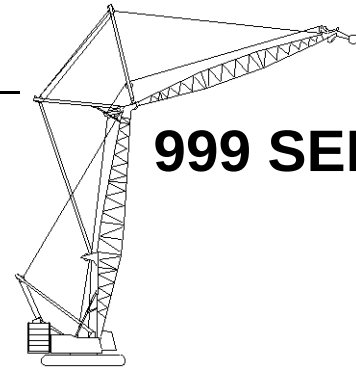
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	77,100*																70
75	68.1	255.3	66,800*	69.2	256.3	74,000*	70.9	257.4	74,000*													75
80	66.3	253.1	66,100*	67.4	254.2	70,300*	69.1	255.6	69,400													80
85	64.4	250.8	64,200*	65.6	252.0	66,300	67.3	253.5	63,900													85
90	62.5	248.2	60,800*	63.7	249.6	61,300	65.5	251.3	59,000	67.2	252.6	56,800										90
95	60.6	245.5	56,200*	61.8	247.0	56,900	63.6	248.9	54,700	65.3	250.3	52,600										95
100	58.6	242.5	52,200*	59.9	244.1	52,900	61.7	246.2	50,900	63.4	247.9	48,900										100
105	56.6	239.3	48,700*	57.9	241.1	49,400	59.7	243.4	47,500	61.5	245.2	45,600										105
110	54.6	235.8	45,500*	55.9	237.8	46,300	57.8	240.3	44,500	59.6	242.4	42,600	62.5	244.8	39,700							110
115	52.5	232.0	42,600*	53.8	234.2	43,400	55.7	237.0	41,700	57.6	239.3	40,000	60.6	242.0	37,100							115
120	50.3	228.0	40,000*	51.7	230.3	40,800	53.7	233.4	39,200	55.6	235.9	37,500	58.7	239.0	34,800							120
125	48.0	223.6	37,600*	49.5	226.1	38,400	51.5	229.5	36,800	53.5	232.3	35,300	56.7	235.8	32,700							125
130	45.7	218.8	35,400*	47.2	221.6	36,200	49.3	225.3	34,700	51.4	228.4	33,200	54.6	232.3	30,700	57.6	234.8	28,300				130
135	43.3	213.7	33,400*	44.8	216.7	34,200	47.0	220.7	32,800	49.2	224.2	31,300	52.5	228.6	28,900	55.6	231.5	26,600				135
140	40.8	208.0	31,500*	42.4	211.4	32,400	44.7	215.8	31,000	46.9	219.6	29,600	50.3	224.5	27,300	53.5	227.9	25,000				140
145	38.1	201.9	29,800*	39.8	205.6	30,600	42.2	210.4	29,300	44.5	214.6	28,000	48.1	220.1	25,800	51.4	224.0	23,600				145
150	35.2	195.0	28,300*	37.0	199.1	29,000	39.6	204.6	27,700	42.0	209.2	26,500	45.8	215.4	24,300	49.2	219.8	22,300	52.3	222.5	20,200	150
155	32.2	187.4	26,800*	34.1	192.0	27,500	36.9	198.1	26,300	39.4	203.3	25,000	43.3	210.2	23,000	46.9	215.2	21,000	50.1	218.5	19,000	155
160	28.8	178.8	25,400*	30.9	184.1	26,100	33.9	191.0	24,900	36.7	196.8	23,700	40.8	204.6	21,800	44.5	210.2	19,800	47.9	214.0	17,900	160
165	25.0	168.7	24,200*	27.4	175.0	24,800	30.7	183.0	23,600	33.7	189.6	22,500	38.1	198.4	20,600	42.0	204.9	18,700	45.6	209.3	16,900	165
170	20.6	156.6	23,000*	23.4	164.2	23,500	27.2	173.8	22,400	30.5	181.5	21,300	35.3	191.6	19,500	39.4	199.0	17,700	43.1	204.1	15,900	170
175	14.9	140.5	20,800*	18.7	150.9	22,300	23.2	162.9	21,300	26.9	172.2	20,200	32.2	184.0	18,400	36.7	192.5	16,700	40.6	198.4	15,000	175
180	4.3	109.6	15,300*	12.1	132.2	20,000*	18.3	149.4	20,200	22.9	161.2	19,200	28.8	175.4	17,500	33.7	185.3	15,800	37.9	192.2	14,100	180
185							11.6	130.1	19,100	17.9	147.5	18,200	25.1	165.4	16,500	30.5	177.2	14,900	35.0	185.3	13,300	185
190										10.9	127.4	17,200	20.7	153.2	15,600	27.0	167.9	14,100	32.0	177.6	12,500	190
195													15.0	137.3	14,800	22.9	156.9	13,300	28.6	168.9	11,800	195
200													4.7	107.2	13,900	18.0	143.2	12,500	24.7	158.8	11,100	200
205																11.0	123.2	11,700	20.3	146.4	10,400	205
210																			14.5	130.0	9,700	210
215																			2.2	94.0	9,000	215



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	68,600*																75
80	67.7	264.0	59,600*	68.7	265.1	68,200*	70.3	266.3	65,900*													80
85	65.9	261.8	59,100*	67.0	263.0	65,000*	68.6	264.4	63,300													85
90	64.2	259.5	58,600*	65.3	260.7	60,700	66.9	262.3	58,400													90
95	62.4	256.9	55,700*	63.5	258.3	56,300	65.2	260.0	54,100	66.8	261.3	52,000										95
100	60.6	254.1	51,700*	61.7	255.6	52,400	63.4	257.6	50,300	65.0	259.0	48,300										100
105	58.7	251.2	48,200*	59.9	252.8	48,900	61.6	254.9	46,900	63.3	256.6	45,000										105
110	56.8	248.0	45,000*	58.0	249.7	45,700	59.7	252.0	43,900	61.5	253.9	42,000										110
115	54.9	244.5	42,100*	56.1	246.5	42,900	57.9	249.0	41,100	59.6	251.0	39,300	62.4	253.4	36,400							115
120	52.9	240.8	39,400*	54.1	242.9	40,300	56.0	245.7	38,600	57.7	247.9	36,900	60.6	250.7	34,100							120
125	50.9	236.8	37,000*	52.1	239.1	37,900	54.0	242.1	36,300	55.8	244.6	34,700	58.7	247.7	32,000							125
130	48.8	232.5	34,900*	50.1	235.0	35,700	52.0	238.3	34,200	53.9	241.0	32,600	56.8	244.5	30,100							130
135	46.6	227.9	32,900*	48.0	230.6	33,700	50.0	234.2	32,200	51.9	237.2	30,700	54.9	241.0	28,300	57.8	243.5	25,900				135
140	44.4	222.9	31,000*	45.8	225.9	31,800	47.8	229.7	30,400	49.8	233.1	29,000	52.9	237.3	26,600	55.9	240.2	24,400				140
145	42.0	217.5	29,300*	43.5	220.7	30,100	45.6	225.0	28,700	47.7	228.6	27,400	50.9	233.4	25,100	53.9	236.6	22,900				145
150	39.6	211.6	27,700*	41.1	215.1	28,500	43.3	219.8	27,200	45.5	223.8	25,900	48.8	229.1	23,700	51.9	232.8	21,600				150
155	37.0	205.2	26,200*	38.6	209.1	27,000	40.9	214.2	25,700	43.2	218.6	24,500	46.6	224.5	22,400	49.8	228.7	20,300	52.8	231.3	18,300	155
160	34.2	198.1	24,900*	35.9	202.4	25,600	38.4	208.1	24,400	40.8	213.0	23,200	44.4	219.5	21,100	47.7	224.2	19,100	50.7	227.3	17,200	160
165	31.2	190.2	23,600*	33.1	195.0	24,300	35.8	201.4	23,100	38.3	206.8	21,900	42.0	214.1	20,000	45.5	219.4	18,100	48.6	223.0	16,200	165
170	27.9	181.2	22,400*	30.0	186.8	23,000	32.9	193.9	21,900	35.6	200.1	20,800	39.6	208.2	18,900	43.2	214.2	17,000	46.5	218.4	15,200	170
175	24.3	170.9	21,300*	26.6	177.3	21,900	29.8	185.6	20,800	32.7	192.6	19,700	37.0	201.8	17,800	40.8	208.6	16,100	44.2	213.4	14,300	175
180	20.0	158.3	20,300*	22.8	166.2	20,800	26.4	176.1	19,700	29.6	184.2	18,600	34.2	194.7	16,900	38.3	202.4	15,100	41.9	207.9	13,400	180
185	14.5	141.8	18,200*	18.1	152.5	19,700	22.5	164.9	18,700	26.1	174.5	17,700	31.3	186.8	16,000	35.6	195.7	14,300	39.4	202.0	12,600	185
190	4.2	109.9	13,100*	11.8	133.2	17,500*	17.8	150.9	17,700	22.2	163.2	16,700	28.0	177.9	15,100	32.7	188.2	13,500	36.8	195.5	11,900	190
195							11.2	131.0	16,800	17.4	149.0	15,800	24.3	167.5	14,200	29.6	179.8	12,700	34.0	188.4	11,100	195
200										10.6	128.3	14,900	20.1	155.0	13,400	26.2	170.2	11,900	31.0	180.4	10,400	200
205													14.6	138.5	12,700	22.2	158.9	11,200	27.7	171.4	9,800	205
210													4.6	107.5	11,900	17.4	144.7	10,500	24.0	160.9	9,100	210
215																10.7	124.1	9,800	19.7	148.2	8,500	215
220																			14.1	131.2	7,900	220
225																			2.1	94.1	7,200	225



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



90 Ft. Boom, 190 Ft. Jib

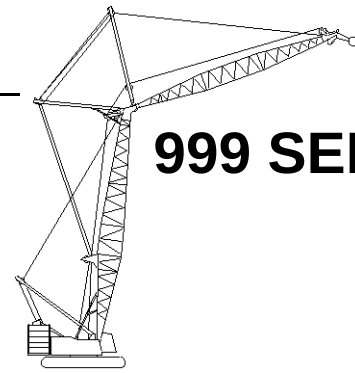
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	61,100*																80
85	67.3	272.8	53,000*	68.3	273.8	60,700*	69.8	275.1	58,800*													85
90	65.6	270.5	52,600*	66.7	271.7	60,200*	68.2	273.1	58,100													90
95	63.9	268.1	52,200*	65.0	269.4	56,000	66.5	271.0	53,800													95
100	62.2	265.6	51,400*	63.3	267.0	52,100	64.9	268.7	50,000	66.4	270.0	48,000										100
105	60.5	262.8	47,900*	61.6	264.3	48,600	63.2	266.2	46,600	64.8	267.7	44,700										105
110	58.8	259.8	44,700*	59.9	261.5	45,400	61.5	263.6	43,600	63.1	265.2	41,700										110
115	57.0	256.6	41,800*	58.1	258.4	42,600	59.8	260.7	40,800	61.4	262.6	39,000										115
120	55.2	253.2	39,100*	56.3	255.1	40,000	58.0	257.6	38,300	59.6	259.7	36,600	62.3	262.1	33,800							120
125	53.3	249.6	36,800*	54.5	251.6	37,600	56.2	254.4	36,000	57.9	256.6	34,400	60.6	259.3	31,700							125
130	51.4	245.7	34,600*	52.6	247.9	35,400	54.3	250.8	33,900	56.1	253.3	32,300	58.8	256.4	29,800							130
135	49.4	241.5	32,600*	50.6	243.9	33,400	52.5	247.1	31,900	54.2	249.8	30,400	57.0	253.2	28,000							135
140	47.4	237.0	30,700*	48.7	239.6	31,600	50.5	243.0	30,100	52.3	246.0	28,700	55.2	249.8	26,400	57.9	252.2	24,100				140
145	45.3	232.1	29,000*	46.6	234.9	29,800	48.5	238.7	28,500	50.4	241.9	27,100	53.3	246.1	24,800	56.1	248.9	22,600				145
150	43.1	226.9	27,400*	44.5	230.0	28,200	46.5	234.1	26,900	48.4	237.6	25,600	51.4	242.2	23,400	54.2	245.4	21,300				150
155	40.8	221.3	26,000*	42.3	224.6	26,700	44.3	229.1	25,500	46.3	232.9	24,200	49.4	238.0	22,100	52.3	241.6	20,000				155
160	38.4	215.1	24,600*	40.0	218.8	25,300	42.1	223.7	24,100	44.2	227.9	22,900	47.4	233.5	20,900	50.4	237.5	18,900				160
165	35.9	208.5	23,300*	37.5	212.5	24,000	39.8	217.8	22,800	42.0	222.5	21,700	45.3	228.7	19,700	48.4	233.2	17,800	51.3	236.1	15,900	165
170	33.2	201.1	22,100*	34.9	205.6	22,800*	37.4	211.5	21,700	39.6	216.6	20,500	43.1	223.5	18,600	46.3	228.5	16,700	49.3	231.9	14,900	170
175	30.4	192.9	21,000*	32.2	197.9	21,600*	34.8	204.5	20,500	37.2	210.2	19,400	40.9	217.8	17,600	44.2	223.5	15,800	47.2	227.4	14,000	175
180	27.2	183.7	19,900*	29.2	189.4	20,600*	32.0	196.8	19,500	34.6	203.2	18,400	38.5	211.7	16,600	42.0	218.1	14,900	45.1	222.5	13,200	180
185	23.6	172.9	18,900*	25.9	179.6	19,500*	29.0	188.2	18,500	31.8	195.4	17,400	36.0	205.1	15,700	39.7	212.2	14,000	43.0	217.3	12,400	185
190	19.4	160.0	18,000*	22.1	168.2	18,500	25.7	178.4	17,500	28.8	186.7	16,500	33.3	197.7	14,800	37.2	205.8	13,200	40.7	211.6	11,600	190
195	14.1	143.0	16,100*	17.6	154.1	17,600	21.9	166.8	16,600	25.4	176.8	15,600	30.4	189.5	14,000	34.6	198.8	12,400	38.3	205.5	10,900	195
200	4.1	110.2	11,400*	11.4	134.2	15,500*	17.3	152.4	15,700	21.6	165.1	14,800	27.2	180.3	13,200	31.8	191.1	11,700	35.8	198.8	10,200	200
205							10.9	132.0	14,900	16.9	150.4	14,000	23.7	169.6	12,500	28.8	182.4	11,000	33.1	191.4	9,500	205
210										10.3	129.2	13,200	19.5	156.7	11,700	25.5	172.5	10,300	30.2	183.1	8,900	210
215													14.2	139.8	11,000	21.6	160.8	9,700	27.0	173.8	8,300	215
220													4.4	107.9	10,300	17.0	146.2	9,000	23.4	163.0	7,700	220
225																10.4	125.0	8,400	19.1	149.8	7,100	225
230																			13.7	132.4	6,600	230
235																			2.0	94.3	5,900	235



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

90 Ft. Boom, 200 Ft. Jib

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	53,900*	70.9	285.7	52,300*													85
90	66.9	281.5	46,700*	67.9	282.6	53,400*	69.3	283.9	52,000*													90
95	65.3	279.2	46,300*	66.3	280.4	53,000*	67.8	281.9	51,700*													95
100	63.8	276.8	45,800*	64.8	278.1	51,600	66.2	279.7	49,500	67.7	280.9	47,400										100
105	62.1	274.2	45,400*	63.2	275.6	48,100	64.6	277.4	46,100	66.1	278.7	44,100										105
110	60.5	271.5	44,200*	61.5	273.0	44,900	63.0	274.9	43,000	64.5	276.4	41,100										110
115	58.8	268.5	41,300*	59.9	270.1	42,000	61.4	272.2	40,200	62.9	273.9	38,400										115
120	57.1	265.3	38,600*	58.2	267.1	39,400	59.8	269.4	37,700	61.3	271.2	36,000										120
125	55.4	261.9	36,200*	56.5	263.8	37,100	58.1	266.3	35,400	59.7	268.3	33,800	62.2	270.8	31,100							125
130	53.6	258.3	34,100*	54.8	260.4	34,900	56.4	263.0	33,300	58.0	265.3	31,700	60.5	268.0	29,100							130
135	51.8	254.5	32,000*	53.0	256.7	32,900	54.6	259.6	31,400	56.3	262.0	29,800	58.9	265.0	27,300							135
140	50.0	250.3	30,200*	51.1	252.7	31,000	52.9	255.8	29,600	54.5	258.5	28,100	57.2	261.8	25,700							140
145	48.1	245.9	28,500*	49.3	248.5	29,300	51.0	251.9	27,900	52.7	254.8	26,500	55.4	258.5	24,200	58.0	260.9	21,900				145
150	46.1	241.2	26,900*	47.3	244.0	27,700	49.1	247.6	26,300	50.9	250.8	25,000	53.7	254.9	22,800	56.3	257.6	20,600				150
155	44.1	236.2	25,400*	45.3	239.1	26,200	47.2	243.1	24,900	49.0	246.5	23,600	51.9	251.0	21,500	54.5	254.1	19,400				155
160	41.9	230.8	24,000*	43.3	234.0	24,800	45.2	238.3	23,600	47.1	242.0	22,300	50.0	246.9	20,200	52.7	250.4	18,200				160
165	39.7	224.9	22,800*	41.1	228.4	23,500*	43.1	233.0	22,300	45.1	237.1	21,100	48.1	242.5	19,100	50.9	246.4	17,100				165
170	37.4	218.5	21,600*	38.9	222.3	22,300*	41.0	227.4	21,100	43.0	231.8	19,900	46.1	237.8	18,000	49.0	242.1	16,100	51.7	245.0	14,200	170
175	35.0	211.6	20,400*	36.5	215.8	21,100*	38.7	221.4	20,000	40.8	226.2	18,900	44.1	232.7	17,000	47.1	237.6	15,100	49.9	240.8	13,300	175
180	32.4	204.0	19,400*	34.0	208.6	20,000*	36.4	214.8	18,900	38.6	220.1	17,800	42.0	227.3	16,000	45.1	232.7	14,200	47.9	236.4	12,500	180
185	29.6	195.6	18,400*	31.3	200.7	19,000*	33.9	207.6	17,900	36.2	213.5	16,900	39.8	221.5	15,100	43.0	227.5	13,400	46.0	231.7	11,700	185
190	26.5	186.0	17,500*	28.4	191.9	18,000*	31.2	199.6	17,000	33.7	206.2	16,000	37.5	215.1	14,200	40.9	221.8	12,600	43.9	226.6	10,900	190
195	23.0	175.0	16,600*	25.2	181.8	17,100*	28.2	190.7	16,100	31.0	198.2	15,100	35.0	208.2	13,400	38.6	215.7	11,800	41.8	221.1	10,200	195
200	18.9	161.7	15,700*	21.6	170.1	16,200*	25.0	180.6	15,200	28.0	189.2	14,300	32.4	200.6	12,700	36.2	209.1	11,100	39.6	215.3	9,500	200
205	13.7	144.2	13,900*	17.2	155.6	15,400*	21.3	168.7	14,400	24.8	179.0	13,500	29.6	192.2	11,900	33.7	201.9	10,400	37.3	208.9	8,900	205
210	4.0	110.6	9,600*	11.1	135.2	13,400*	16.8	153.9	13,600	21.0	166.9	12,700	26.5	182.6	11,200	31.0	193.8	9,700	34.8	201.9	8,200	210
215							10.6	132.9	12,800	16.5	151.9	12,000	23.1	171.6	10,500	28.1	184.9	9,100	32.2	194.3	7,600	215
220										10.1	130.0	11,300	19.0	158.4	9,900	24.8	174.7	8,500	29.4	185.7	7,100	220
225													13.8	141.0	9,200	21.1	162.6	7,900	26.3	176.1	6,500	225
230													4.3	108.2	8,500	16.5	147.6	7,300	22.8	165.0	6,000	230
235																10.1	125.9	6,700	18.6	151.5	5,500	235
240																			13.3	133.6	5,000	240
245																			2.0	94.4	4,400	245

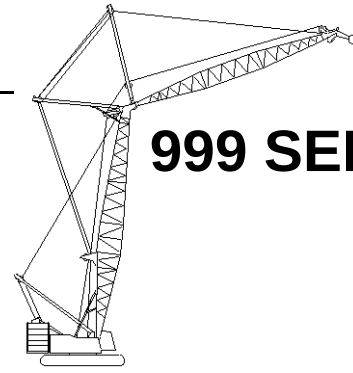


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



90 Ft. Boom, 210 Ft. Jib

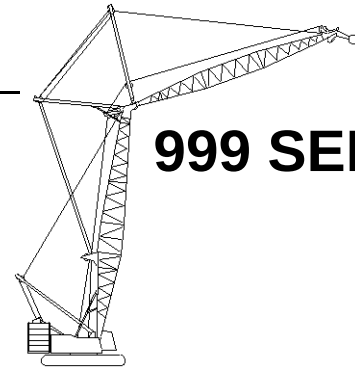
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	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	46,800*													90
95	66.6	290.2	41,600*	67.5	291.3	47,700*	68.9	292.7	46,500*													95
100	65.1	287.9	41,200*	66.0	289.1	47,200*	67.4	290.6	46,100*													100
105	63.6	285.5	40,800*	64.5	286.8	46,700*	65.9	288.4	45,600	67.3	289.7	43,600										105
110	62.0	282.9	40,400*	63.0	284.3	44,400	64.4	286.1	42,500	65.8	287.5	40,600										110
115	60.5	280.1	40,000*	61.5	281.6	41,600	62.9	283.6	39,700	64.3	285.1	37,900										115
120	58.9	277.1	38,600*	59.9	278.8	39,000	61.4	280.9	37,200	62.8	282.6	35,500										120
125	57.3	274.0	36,100*	58.3	275.7	36,600	59.8	278.0	34,900	61.2	279.9	33,300										125
130	55.6	270.6	33,900*	56.7	272.5	34,400	58.2	275.0	32,800	59.7	277.0	31,200	62.1	279.4	28,600							130
135	54.0	267.1	31,900*	55.0	269.1	32,400	56.6	271.7	30,900	58.1	273.9	29,300	60.5	276.6	26,800							135
140	52.2	263.3	30,000*	53.3	265.4	30,600	54.9	268.3	29,100	56.4	270.7	27,600	58.9	273.7	25,200							140
145	50.5	259.2	28,200*	51.6	261.5	28,800	53.2	264.6	27,400	54.8	267.2	26,000	57.3	270.5	23,700							145
150	48.7	254.9	26,600*	49.8	257.4	27,200	51.5	260.7	25,900	53.1	263.5	24,500	55.7	267.2	22,300							150
155	46.8	250.3	25,100*	48.0	253.0	25,800	49.7	256.5	24,400	51.4	259.6	23,100	54.0	263.6	20,900	56.5	266.3	18,800				155
160	44.9	245.4	23,700*	46.1	248.3	24,400	47.9	252.1	23,100	49.6	255.4	21,800	52.3	259.8	19,700	54.8	262.8	17,700				160
165	42.9	240.1	22,400*	44.2	243.2	23,100	46.0	247.4	21,800	47.7	251.0	20,600	50.5	255.8	18,600	53.1	259.1	16,600				165
170	40.9	234.5	21,200*	42.2	237.8	21,800	44.1	242.3	20,600	45.9	246.2	19,500	48.7	251.5	17,500	51.4	255.2	15,600				170
175	38.7	228.4	20,100*	40.1	232.0	20,700	42.1	236.9	19,500	43.9	241.1	18,400	46.9	246.9	16,500	49.6	251.0	14,600	52.1	253.8	12,800	175
180	36.5	221.8	19,000*	37.9	225.8	19,600	40.0	231.1	18,500	41.9	235.7	17,400	45.0	242.0	15,500	47.8	246.6	13,700	50.4	249.7	12,000	180
185	34.1	214.7	18,000*	35.6	219.0	18,600*	37.8	224.8	17,500	39.8	229.8	16,400	43.0	236.7	14,600	45.9	241.8	12,900	48.6	245.4	11,200	185
190	31.6	206.8	17,100*	33.2	211.6	17,600*	35.5	218.0	16,600	37.6	223.5	15,500	40.9	231.1	13,800	43.9	236.8	12,100	46.7	240.8	10,400	190
195	28.8	198.1	16,200*	30.6	203.5	16,700*	33.0	210.5	15,700	35.3	216.7	14,600	38.8	225.0	12,900	41.9	231.3	11,300	44.8	235.8	9,700	195
200	25.8	188.3	15,300*	27.7	194.4	15,800*	30.4	202.3	14,800	32.8	209.2	13,800	36.5	218.4	12,200	39.8	225.5	10,600	42.8	230.5	9,000	200
205	22.4	176.9	14,500*	24.6	184.0	15,000*	27.5	193.2	14,000	30.2	200.9	13,000	34.1	211.3	11,400	37.6	219.1	9,900	40.8	224.9	8,300	205
210	18.5	163.3	13,800*	21.0	171.9	14,200*	24.4	182.7	13,200	27.3	191.7	12,300	31.6	203.5	10,700	35.3	212.3	9,200	38.6	218.8	7,700	210
215	13.4	145.3	12,000*	16.7	157.0	13,400	20.8	170.5	12,500	24.1	181.1	11,600	28.9	194.7	10,100	32.9	204.8	8,600	36.3	212.2	7,100	215
220	3.9	110.9	8,000*	10.9	136.1	11,500*	16.4	155.3	11,800	20.5	168.7	10,900	25.9	184.9	9,400	30.2	196.5	8,000	33.9	205.0	6,600	220
225							10.4	133.8	11,100	16.1	153.3	10,200	22.5	173.6	8,800	27.4	187.3	7,400	31.4	197.1	6,000	225
230										9.8	130.9	9,600	18.5	160.0	8,200	24.2	176.8	6,900	28.6	188.3	5,500	230
235													13.5	142.1	7,600	20.5	164.4	6,300	25.6	178.4	5,000	235
240													4.2	108.6	7,000	16.1	149.0	5,800	22.2	166.9	4,500	240
245																9.9	126.7	5,300	18.2	153.0	4,100	245



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

90 Ft. Boom, 220 Ft. Jib

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	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	42,500*	68.5	301.4	41,500*													100
105	64.9	296.6	36,700*	65.8	297.9	42,000*	67.1	299.4	41,100*													105
110	63.4	294.2	36,300*	64.3	295.5	41,500*	65.7	297.1	40,700*	67.0	298.4	40,000										110
115	61.9	291.6	35,800*	62.9	293.0	41,000	64.2	294.8	39,200	65.6	296.2	37,300										115
120	60.5	288.8	35,500*	61.4	290.3	38,400	62.8	292.2	36,600	64.1	293.8	34,900										120
125	58.9	285.8	35,100*	59.9	287.4	36,100	61.3	289.6	34,300	62.7	291.2	32,700										125
130	57.4	282.7	33,400*	58.4	284.4	33,900	59.8	286.7	32,200	61.2	288.5	30,600										130
135	55.8	279.3	31,300*	56.8	281.2	31,900	58.3	283.6	30,300	59.7	285.7	28,700	62.0	288.1	26,200							135
140	54.2	275.8	29,400*	55.2	277.8	30,000	56.7	280.4	28,500	58.2	282.6	27,000	60.5	285.3	24,500							140
145	52.6	272.0	27,700*	53.6	274.2	28,300	55.1	277.0	26,800	56.6	279.4	25,400	59.0	282.3	23,000							145
150	50.9	268.1	26,100*	52.0	270.3	26,700	53.5	273.4	25,300	55.0	275.9	23,900	57.4	279.2	21,600							150
155	49.2	263.8	24,600*	50.3	266.3	25,200	51.9	269.5	23,900	53.4	272.3	22,500	55.9	275.9	20,300							155
160	47.5	259.3	23,200*	48.6	261.9	23,800	50.2	265.4	22,500	51.8	268.4	21,200	54.3	272.3	19,100	56.6	275.0	17,000				160
165	45.7	254.5	21,900*	46.8	257.3	22,500	48.5	261.1	21,300	50.1	264.3	20,000	52.6	268.6	17,900	55.0	271.5	15,900				165
170	43.8	249.4	20,700*	45.0	252.4	21,300	46.7	256.5	20,100	48.4	259.9	18,900	51.0	264.6	16,900	53.4	267.9	14,900				170
175	41.9	244.0	19,500*	43.1	247.2	20,200*	44.9	251.5	19,000	46.6	255.3	17,800	49.3	260.4	15,900	51.8	264.0	13,900				175
180	39.9	238.1	18,500*	41.2	241.6	19,100*	43.0	246.3	17,900	44.7	250.4	16,800	47.5	255.9	14,900	50.1	259.9	13,100	52.5	262.5	11,300	180
185	37.8	231.9	17,500*	39.1	235.6	18,100*	41.0	240.7	16,900	42.9	245.1	15,800	45.7	251.1	14,000	48.4	255.5	12,200	50.8	258.5	10,500	185
190	35.6	225.1	16,500*	37.0	229.1	17,100*	39.0	234.6	16,000	40.9	239.4	14,900	43.9	246.0	13,100	46.6	250.9	11,400	49.1	254.3	9,700	190
195	33.3	217.7	15,600*	34.8	222.1	16,100*	36.9	228.1	15,100	38.8	233.4	14,100	41.9	240.6	12,300	44.8	246.0	10,600	47.4	249.8	9,000	195
200	30.8	209.6	14,800*	32.4	214.5	15,300*	34.6	221.1	14,300	36.7	226.8	13,300	39.9	234.7	11,600	42.9	240.7	9,900	45.6	245.0	8,300	200
205	28.1	200.6	14,000*	29.8	206.1	14,400*	32.2	213.4	13,500	34.4	219.8	12,500	37.8	228.4	10,800	40.9	235.1	9,200	43.7	239.9	7,700	205
210	25.2	190.5	13,200*	27.1	196.8	13,600*	29.7	205.0	12,700	32.0	212.0	11,700	35.6	221.7	10,200	38.9	229.0	8,600	41.8	234.4	7,100	210
215	21.9	178.9	12,500*	24.0	186.1	12,900*	26.9	195.6	12,000	29.5	203.5	11,000	33.3	214.3	9,500	36.7	222.5	8,000	39.8	228.5	6,500	215
220	18.0	164.8	11,800*	20.5	173.7	12,200*	23.8	184.8	11,300	26.7	194.0	10,400	30.9	206.2	8,900	34.5	215.4	7,400	37.7	222.2	5,900	220
225	13.0	146.4	10,100*	16.3	158.4	11,500*	20.3	172.3	10,600	23.6	183.2	9,700	28.2	197.3	8,200	32.1	207.7	6,800	35.5	215.4	5,400	225
230	3.8	111.2	6,400*	10.6	137.0	9,700*	16.0	156.7	9,900	20.0	170.5	9,100	25.2	187.2	7,700	29.5	199.2	6,300	33.1	208.0	4,900	230
235							10.1	134.6	9,300	15.7	154.6	8,500	22.0	175.5	7,100	26.7	189.7	5,700	30.6	199.8	4,400	235
240										9.6	131.7	7,900	18.1	161.6	6,500	23.6	178.9	5,200				240
245													13.1	143.3	6,000	20.1	166.2	4,700				245
250													4.1	108.9	5,400	15.7	150.4	4,200				250

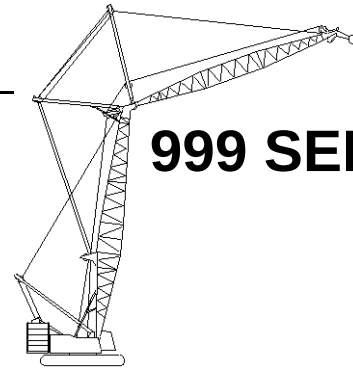


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



90 Ft. Boom, 230 Ft. Jib

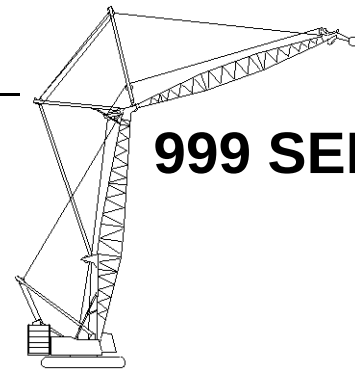
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	
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	40,500*	69.5	312.2	40,000*												100	
105	66.0	307.7	34,700*	66.9	308.8	40,100*	68.2	310.2	39,700*												105	
110	64.7	305.3	34,300*	65.5	306.6	39,700*	66.8	308.1	39,300*												110	
115	63.3	302.9	34,000*	64.1	304.2	39,300*	65.4	305.8	38,700	66.7	307.1	36,900									115	
120	61.9	300.2	33,600*	62.7	301.6	38,000	64.1	303.5	36,200	65.3	304.9	34,400									120	
125	60.4	297.4	33,300*	61.3	299.0	35,600	62.7	300.9	33,900	64.0	302.5	32,200									125	
130	59.0	294.5	32,200*	59.9	296.1	33,500	61.2	298.2	31,800	62.6	299.9	30,200									130	
135	57.5	291.3	30,900*	58.4	293.1	31,500	59.8	295.3	29,900	61.1	297.2	28,300									135	
140	56.0	288.0	29,000*	57.0	289.9	29,600	58.3	292.3	28,100	59.7	294.3	26,600	61.9	296.8	24,100						140	
145	54.5	284.5	27,300*	55.5	286.5	27,900	56.9	289.1	26,400	58.2	291.3	25,000	60.5	294.0	22,600						145	
150	52.9	280.8	25,700*	53.9	282.9	26,300	55.4	285.7	24,900	56.8	288.1	23,500	59.0	291.0	21,200						150	
155	51.4	276.9	24,200*	52.4	279.1	24,800	53.8	282.1	23,500	55.3	284.6	22,100	57.5	287.9	19,900						155	
160	49.7	272.7	22,800*	50.8	275.1	23,400	52.3	278.3	22,100	53.7	281.0	20,800	56.0	284.6	18,700						160	
165	48.1	268.3	21,500*	49.1	270.9	22,100	50.7	274.3	20,900	52.1	277.2	19,600	54.5	281.1	17,500	56.8	283.6	15,500			165	
170	46.4	263.6	20,300*	47.5	266.3	20,900	49.0	270.0	19,700	50.5	273.2	18,500	53.0	277.3	16,500	55.3	280.2	14,500			170	
175	44.6	258.7	19,100*	45.7	261.6	19,800*	47.3	265.5	18,600	48.9	268.9	17,400	51.4	273.4	15,400	53.7	276.6	13,500			175	
180	42.8	253.4	18,100*	44.0	256.5	18,700*	45.6	260.7	17,500	47.2	264.3	16,400	49.8	269.3	14,500	52.2	272.8	12,600			180	
185	40.9	247.7	17,100*	42.1	251.1	17,700*	43.8	255.6	16,600	45.5	259.5	15,400	48.1	264.9	13,600	50.6	268.8	11,800	52.9	271.3	10,100	185
190	39.0	241.7	16,100*	40.2	245.3	16,700*	42.0	250.1	15,600	43.7	254.4	14,500	46.4	260.2	12,800	48.9	264.5	11,000	51.3	267.4	9,300	190
195	36.9	235.2	15,200*	38.2	239.1	15,700*	40.1	244.3	14,700	41.9	248.9	13,700	44.6	255.2	11,900	47.2	259.9	10,200	49.6	263.2	8,600	195
200	34.8	228.2	14,400*	36.2	232.4	14,900*	38.1	238.1	13,900	39.9	243.1	12,900	42.8	249.9	11,200	45.5	255.1	9,500	48.0	258.8	7,900	200
205	32.5	220.6	13,600*	34.0	225.2	14,000*	36.0	231.4	13,100	38.0	236.8	12,100	41.0	244.3	10,500	43.7	250.0	8,800	46.3	254.1	7,300	205
210	30.1	212.3	12,800*	31.6	217.4	13,200*	33.8	224.2	12,300	35.9	230.1	11,400	39.0	238.3	9,800	41.9	244.5	8,200	44.5	249.1	6,700	210
215	27.5	203.1	12,100*	29.2	208.7	12,500*	31.5	216.3	11,600	33.7	222.8	10,700	37.0	231.8	9,100	40.0	238.7	7,600	42.7	243.8	6,100	215
220	24.6	192.7	11,400*	26.5	199.1	11,800*	29.0	207.6	10,900	31.3	214.8	10,000	34.8	224.8	8,500	38.0	232.5	7,000	40.8	238.1	5,500	220
225	21.4	180.7	10,700*	23.5	188.2	11,100*	26.3	197.9	10,300	28.8	206.1	9,400	32.6	217.2	7,900	35.9	225.7	6,400	38.9	232.0	5,000	225
230	17.6	166.4	10,100*	20.1	175.5	10,500*	23.3	186.9	9,600	26.1	196.3	8,700	30.1	208.9	7,300	33.7	218.4	5,900	36.8	225.5	4,500	230
235	12.8	147.5	8,400*	16.0	159.8	9,800	19.8	174.0	9,000	23.0	185.2	8,200	27.5	199.7	6,800	31.3	210.5	5,400	34.7	218.5	4,000	235
240	3.7	111.5	5,000*	10.4	137.9	8,000*	15.7	158.1	8,400	19.6	172.2	7,600	24.7	189.4	6,200	28.8	201.8	4,900				240
245							9.9	135.5	7,800	15.3	156.0	7,000	21.5	177.4	5,700	26.1	192.0	4,400				245
250										9.3	132.5	6,500	17.7	163.1	5,200							250
255													12.8	144.4	4,700							255
260													4.0	109.2	4,200							260



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

90 Ft. Boom, 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			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	
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	35,700*													105
110	65.8	316.4	31,000*	66.6	317.5	35,800*	67.8	319.0	35,400*													110
115	64.5	314.0	30,700*	65.3	315.3	35,500*	66.5	316.8	35,100*	67.7	318.0	36,300										115
120	63.1	311.5	30,300*	64.0	312.9	35,100*	65.2	314.6	34,800*	66.4	315.9	33,800										120
125	61.8	308.9	30,000*	62.6	310.3	34,700*	63.9	312.1	33,400	65.1	313.6	31,600										125
130	60.4	306.1	29,700*	61.3	307.6	32,900	62.5	309.6	31,300	63.8	311.1	29,600										130
135	59.0	303.1	29,400*	59.9	304.8	30,900	61.2	306.9	29,300	62.4	308.6	27,700										135
140	57.6	300.0	28,500*	58.5	301.7	29,100	59.8	304.0	27,500	61.1	305.9	26,000										140
145	56.2	296.7	26,800*	57.1	298.6	27,400	58.4	301.0	25,900	59.7	303.0	24,400	61.8	305.4	22,000							145
150	54.7	293.2	25,200*	55.7	295.2	25,800	57.0	297.8	24,300	58.3	299.9	22,900	60.4	302.6	20,600							150
155	53.3	289.6	23,700*	54.2	291.6	24,300	55.6	294.4	22,900	56.9	296.7	21,500	59.1	299.7	19,300							155
160	51.7	285.7	22,300*	52.7	287.9	22,900	54.1	290.8	21,600	55.5	293.3	20,200	57.6	296.6	18,000							160
165	50.2	281.6	21,000*	51.2	283.9	21,600	52.6	287.1	20,300	54.0	289.8	19,000	56.2	293.3	16,900							165
170	48.6	277.3	19,800*	49.6	279.8	20,400	51.1	283.1	19,100	52.5	286.0	17,900	54.8	289.8	15,800	56.9	292.3	13,800				170
175	47.0	272.7	18,600*	48.0	275.3	19,200	49.5	278.9	18,000	51.0	282.0	16,800	53.3	286.1	14,800	55.5	288.9	12,900				175
180	45.3	267.8	17,500*	46.4	270.7	18,200*	47.9	274.5	17,000	49.4	277.8	15,800	51.8	282.2	13,900	54.0	285.4	12,000				180
185	43.6	262.7	16,500*	44.7	265.7	17,100*	46.3	269.8	16,000	47.8	273.3	14,900	50.2	278.1	13,000	52.5	281.6	11,200				185
190	41.9	257.2	15,600*	43.0	260.4	16,200*	44.6	264.8	15,100	46.2	268.6	14,000	48.6	273.8	12,100	51.0	277.6	10,400				190
195	40.0	251.4	14,700*	41.2	254.8	15,200*	42.9	259.5	14,200	44.5	263.6	13,100	47.0	269.2	11,300	49.4	273.4	9,600	51.6	276.2	7,900	195
200	38.1	245.2	13,800*	39.3	248.9	14,300*	41.1	253.9	13,400	42.7	258.3	12,300	45.4	264.4	10,600	47.8	268.9	8,900	50.1	272.1	7,300	200
205	36.1	238.5	13,000*	37.4	242.5	13,500*	39.2	247.9	12,600	40.9	252.7	11,500	43.7	259.2	9,900	46.2	264.2	8,200	48.5	267.7	6,600	205
210	34.0	231.3	12,300*	35.4	235.6	12,700*	37.3	241.5	11,800	39.1	246.6	10,800	41.9	253.8	9,200	44.5	259.2	7,600	46.9	263.1	6,000	210
215	31.8	223.5	11,500*	33.2	228.2	12,000*	35.2	234.6	11,100	37.1	240.2	10,100	40.1	248.0	8,500	42.8	253.9	7,000	45.2	258.3	5,400	215
220	29.5	214.9	10,800*	31.0	220.1	11,200*	33.1	227.1	10,400	35.1	233.3	9,500	38.2	241.7	7,900	41.0	248.3	6,400	43.5	253.1	4,900	220
225	26.9	205.5	10,200*	28.5	211.3	10,600*	30.8	219.0	9,700	32.9	225.8	8,800	36.2	235.1	7,300	39.1	242.3	5,800	41.7	247.6	4,400	225
230	24.1	194.8	9,600*	25.9	201.4	9,900*	28.4	210.1	9,100	30.6	217.6	8,200	34.1	227.9	6,700	37.1	235.8	5,300				230
235	20.9	182.6	9,000*	23.0	190.2	9,300*	25.7	200.2	8,500	28.2	208.6	7,600	31.9	220.1	6,200	35.1	228.9	4,800				235
240	17.2	167.9	8,300*	19.6	177.2	8,700*	22.8	188.9	7,900	25.5	198.6	7,100	29.5	211.5	5,700	32.9	221.4	4,300				240
245	12.5	148.6	6,800*	15.6	161.2	8,200*	19.4	175.7	7,300	22.5	187.2	6,500	26.9	202.1	5,100							245
250				10.1	138.8	6,400*	15.3	159.4	6,800	19.1	173.9	6,000	24.1	191.5	4,700							250
255							9.7	136.3	6,200	15.0	157.3	5,500	21.0	179.3	4,200							255
260										9.1	133.3	5,000										260

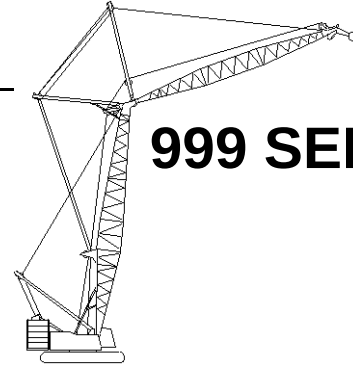


Liftcrane Luffing Jib Capacities

999 SERIES 3

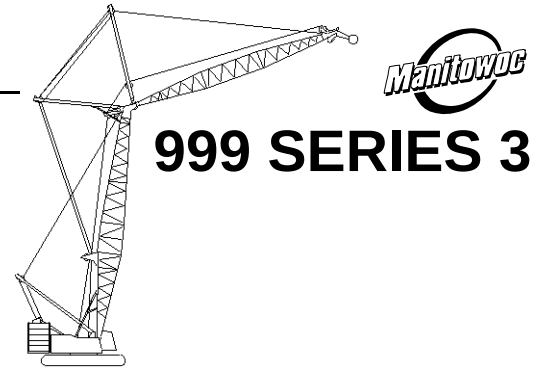
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib 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	128,500*b													50
55	51.8	162.3	104,500*	55.4	164.7	109,700*	60.5	167.4	118,200*b	65.3	169.3	126,500b										55
60	46.3	157.8	97,400*	50.2	160.7	101,900*	55.6	164.2	109,200*	60.7	166.6	113,100b										60
65	40.2	152.3	91,300*	44.6	156.0	95,100*	50.4	160.3	101,400*	55.8	163.4	102,200										65
70	33.2	145.3	86,000*	38.2	150.1	89,200*	44.8	155.5	94,600*	50.6	159.5	93,100	59.2	163.6	89,500b							70
75	24.4	135.8	81,400*	30.8	142.5	84,100*	38.5	149.7	87,300	45.0	154.8	85,300	54.3	160.2	82,000							75
80	9.5	118.2	60,300*	21.1	131.7	78,300*	31.1	142.2	80,400	38.7	149.0	78,600	48.9	156.1	75,600	57.5	159.7	72,600				80
85							21.6	131.6	74,500	31.4	141.6	72,800	43.2	151.1	70,100	52.5	156.1	67,300				85
90										21.9	131.2	67,700	36.6	144.9	65,200	47.0	151.7	62,600				90
95													28.8	136.8	60,800	41.0	146.3	58,500	50.3	150.9	56,100	95
100													18.1	124.7	56,900	34.1	139.5	54,700	44.7	146.1	52,500	100
105																25.6	130.4	51,400	38.3	140.3	49,300	105
110																12.2	114.9	48,300	30.9	132.7	46,400	110
115																			21.3	122.0	43,800	115



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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 Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	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	125,200*b													50
55	57.3	174.7	101,900*	60.3	176.6	107,100*	64.5	178.8	115,400*b													55
60	52.9	171.1	95,000*	56.0	173.4	99,500*	60.4	176.1	106,800*	64.6	178.0	112,700*b										60
65	48.2	166.8	88,900*	51.5	169.6	92,800*	56.2	172.9	99,200*	60.6	175.3	101,700										65
70	43.1	161.8	83,600*	46.7	165.1	87,000*	51.7	169.1	92,600*	56.3	172.1	92,600										70
75	37.5	155.7	78,900*	41.5	159.8	81,900*	46.9	164.7	86,800*	51.9	168.4	84,900	59.3	172.3	81,500							75
80	31.0	148.1	74,800*	35.6	153.3	77,400*	41.7	159.4	80,200	47.1	164.0	78,300	55.0	169.0	75,100							80
85	22.8	137.8	68,600*	28.7	145.1	73,400*	35.9	153.0	74,300	41.9	158.7	72,500	50.4	165.0	69,600	57.8	168.4	66,700				85
90	8.8	118.9	53,400*	19.6	133.4	66,300*	29.0	144.8	69,100	36.1	152.3	67,500	45.6	160.4	64,800	53.4	164.8	62,100				90
95							20.1	133.4	64,400	29.3	144.2	63,000	40.2	154.8	60,500	48.8	160.7	58,000				95
100										20.4	133.0	58,900	34.1	148.0	56,600	43.7	155.7	54,300	51.6	159.7	52,000	100
105													26.9	139.2	53,200	38.2	149.8	51,000	46.8	155.3	48,800	105
110													16.8	126.1	50,000	31.8	142.4	48,000	41.6	150.0	45,900	110
115																23.9	132.5	45,300	35.7	143.5	43,400	115
120																11.4	115.9	42,700	28.8	135.3	41,000	120
125																			19.8	123.7	38,800	125

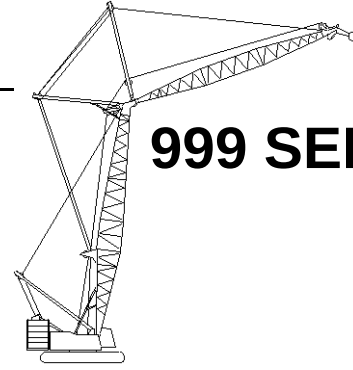


Liftcrane Luffing Jib Capacities

999 SERIES 3

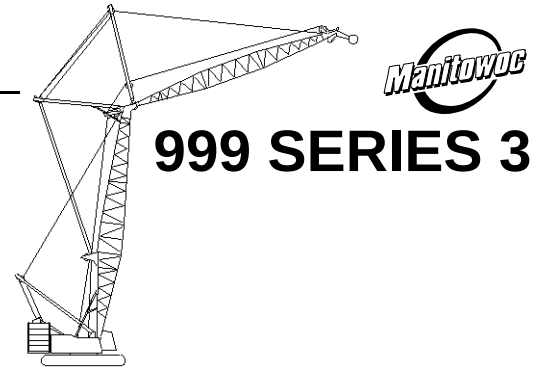
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	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	112,900*b													55
60	57.6	183.3	93,100*	60.3	185.2	97,600*	64.0	187.5	104,700*	67.6	189.0	112,100*b										60
65	53.7	179.8	87,100*	56.5	182.1	91,100*	60.4	184.7	97,500*	64.1	186.7	101,400										65
70	49.6	175.8	81,900*	52.5	178.4	85,400*	56.6	181.6	91,100*	60.5	184.0	92,300										70
75	45.3	171.0	77,200*	48.3	174.1	80,400*	52.7	177.9	85,400*	56.8	180.8	84,600										75
80	40.5	165.5	73,100*	43.9	169.2	75,900*	48.5	173.7	80,000	52.8	177.2	78,000	59.4	181.0	74,800							80
85	35.2	158.9	69,200*	39.0	163.4	71,800*	44.1	168.8	74,100	48.7	173.0	72,300	55.6	177.7	69,300							85
90	29.1	150.7	64,200*	33.5	156.3	67,600*	39.2	163.0	68,900	44.2	168.1	67,300	51.6	173.9	64,500							90
95	21.4	139.7	58,800*	27.0	147.5	62,700*	33.7	156.0	64,400	39.3	162.3	62,800	47.3	169.5	60,200	54.2	173.6	57,600				95
100	8.2	119.6	46,600*	18.5	135.0	57,000*	27.3	147.2	60,300	33.9	155.4	58,800	42.8	164.3	56,400	50.1	169.6	54,000				100
105							18.9	135.0	56,600	27.5	146.7	55,300	37.8	158.3	53,000	45.8	165.0	50,700	52.6	168.5	48,500	105
110										19.2	134.6	52,000	32.1	150.9	49,900	41.1	159.5	47,700	48.4	164.3	45,600	110
115													25.3	141.4	47,100	35.9	153.0	45,100	43.9	159.4	43,000	115
120													15.8	127.4	44,500	29.9	145.1	42,600	39.1	153.5	40,700	120
125																22.4	134.5	40,300	33.6	146.5	38,500	125
130																10.7	116.7	38,200	27.1	137.7	36,600	130
135																			18.6	125.4	34,700	135



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	109,900*													55
60	61.2	195.0	90,800*	63.5	196.7	95,300*	66.8	198.5	102,200*													60
65	57.9	192.0	85,100*	60.2	193.9	89,100*	63.6	196.2	95,300*	66.9	197.7	100,900										65
70	54.4	188.6	80,000*	56.8	190.8	83,500*	60.4	193.4	89,100*	63.7	195.3	91,800										70
75	50.8	184.6	75,400*	53.3	187.2	78,600*	57.0	190.3	83,600*	60.5	192.6	84,200										75
80	46.9	180.2	71,300*	49.6	183.1	74,200*	53.5	186.7	78,700*	57.1	189.5	77,600	62.7	192.5	74,300							80
85	42.8	175.0	67,700*	45.7	178.4	70,200*	49.8	182.6	73,700	53.6	185.9	71,800	59.4	189.6	68,800							85
90	38.3	169.0	63,600*	41.5	173.0	66,600*	45.9	178.0	68,600	49.9	181.9	66,800	56.0	186.4	64,000							90
95	33.3	161.9	58,800*	36.9	166.7	62,200*	41.7	172.6	64,000	46.0	177.3	62,400	52.5	182.7	59,700							95
100	27.5	153.1	54,700*	31.7	159.2	57,900*	37.1	166.4	60,000	41.8	171.9	58,400	48.7	178.5	55,900	54.8	182.3	53,400				100
105	20.3	141.4	50,800*	25.5	149.7	54,100*	31.9	158.9	56,300	37.2	165.7	54,900	44.7	173.6	52,500	51.2	178.5	50,200				105
110	7.7	120.2	40,700*	17.5	136.5	49,400*	25.8	149.5	53,000	32.1	158.3	51,700	40.4	168.0	49,500	47.4	174.0	47,200				110
115							17.9	136.6	50,000	26.0	149.0	48,800	35.7	161.5	46,700	43.3	169.0	44,600	49.7	173.2	42,500	115
120										18.2	136.2	46,100	30.4	153.6	44,100	38.9	163.1	42,100	45.8	168.6	40,200	120
125													23.9	143.5	41,800	33.9	156.1	39,900	41.5	163.2	38,000	125
130													15.0	128.7	39,600	28.3	147.6	37,800	36.9	156.9	36,100	130
135																21.2	136.4	35,900	31.8	149.4	34,300	135
140																10.1	117.6	34,100	25.7	140.0	32,600	140
145																			17.6	126.9	31,000	145

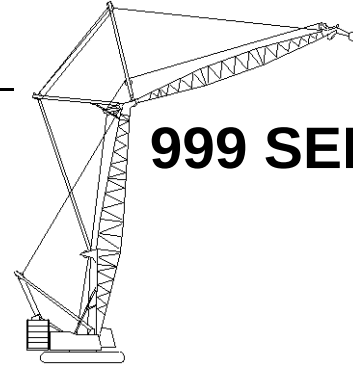


Liftcrane Luffing Jib Capacities

999 SERIES 3

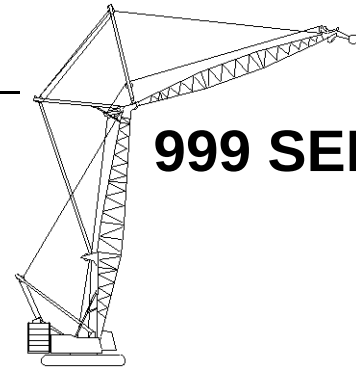
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	99,600*													60
65	61.1	203.7	83,200*	63.2	205.3	87,100*	66.2	207.3	93,100*													65
70	58.1	200.7	78,200*	60.2	202.6	81,800*	63.3	204.8	87,200*	66.3	206.4	91,700										70
75	54.9	197.3	73,800*	57.1	199.4	77,000*	60.3	202.1	81,900*	63.4	204.0	84,000										75
80	51.7	193.5	69,800*	53.9	195.9	72,700*	57.3	199.0	77,100*	60.4	201.3	77,400										80
85	48.2	189.2	66,200*	50.6	192.0	68,800*	54.1	195.5	72,800*	57.4	198.2	71,700	62.5	201.1	68,600							85
90	44.6	184.3	62,900*	47.1	187.5	65,200*	50.8	191.5	68,500	54.2	194.7	66,700	59.5	198.3	63,800							90
95	40.7	178.7	58,600*	43.4	182.4	62,100*	47.3	187.1	63,900	50.9	190.8	62,300	56.4	195.1	59,600							95
100	36.4	172.3	54,100*	39.4	176.6	57,800*	43.6	182.0	59,900	47.4	186.3	58,400	53.2	191.5	55,800							100
105	31.7	164.7	50,200*	35.1	169.9	53,900*	39.6	176.3	56,300	43.7	181.3	54,800	49.8	187.4	52,400	55.3	191.1	50,000				105
110	26.2	155.4	47,000*	30.1	161.9	50,500*	35.2	169.6	53,000	39.7	175.6	51,700	46.3	182.8	49,400	52.0	187.3	47,100				110
115	19.3	143.1	44,700*	24.3	151.9	47,500*	30.3	161.6	50,100	35.4	168.9	48,800	42.5	177.6	46,600	48.6	183.0	44,400				115
120	7.3	120.8	36,100*	16.6	138.0	43,500*	24.6	151.7	47,400	30.5	161.0	46,100	38.5	171.6	44,100	45.0	178.2	42,000	50.7	182.1	40,000	120
125							17.0	138.0	44,800	24.8	151.2	43,700	34.0	164.6	41,800	41.1	172.8	39,800	47.2	177.7	37,900	125
130										17.3	137.7	41,500	28.9	156.2	39,600	37.0	166.4	37,800	43.5	172.6	36,000	130
135													22.7	145.5	37,600	32.3	159.0	35,900	39.5	166.8	34,200	135
140													14.2	129.9	35,800	26.9	150.0	34,200	35.1	160.1	32,500	140
145																20.2	138.1	32,500	30.2	152.1	30,900	145
150																9.6	118.4	30,900	24.4	142.1	29,500	150
155																			16.8	128.3	28,100	155



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	96,800*													60
65	63.7	215.1	81,100*	65.6	216.5	84,900*	68.3	218.1	90,700*													65
70	61.0	212.4	76,400*	62.9	214.0	79,800*	65.7	216.0	85,100*													70
75	58.2	209.4	72,100*	60.2	211.2	75,200*	63.0	213.5	80,100*	65.8	215.1	83,500										75
80	55.4	206.0	68,200*	57.4	208.1	71,100*	60.3	210.7	75,500*	63.1	212.7	77,000										80
85	52.4	202.3	64,700*	54.5	204.7	67,300*	57.5	207.6	71,300*	60.4	209.9	71,200										85
90	49.3	198.1	61,500*	51.5	200.8	63,800*	54.6	204.2	67,500*	57.6	206.9	66,300	62.3	209.8	63,300							90
95	46.0	193.5	58,400*	48.3	196.5	60,700*	51.6	200.3	63,500	54.7	203.4	61,800	59.5	206.9	59,000							95
100	42.6	188.2	53,800*	45.0	191.7	57,500*	48.4	196.1	59,500	51.7	199.6	57,900	56.7	203.8	55,300							100
105	38.9	182.3	49,800*	41.5	186.2	53,600*	45.1	191.3	55,900	48.5	195.3	54,400	53.8	200.2	51,900							105
110	34.8	175.5	46,300*	37.7	180.1	50,100*	41.6	185.9	52,700	45.2	190.5	51,200	50.7	196.3	48,900	55.7	199.8	46,500				110
115	30.3	167.4	43,300*	33.5	172.9	47,000*	37.8	179.7	49,700	41.7	185.1	48,400	47.6	191.8	46,100	52.7	196.1	43,900				115
120	25.0	157.6	40,800*	28.8	164.4	44,200*	33.7	172.6	47,000	38.0	179.0	45,700	44.2	186.9	43,600	49.6	192.0	41,500				120
125	18.4	144.7	38,900*	23.2	153.9	41,700*	29.0	164.2	44,300*	33.8	172.0	43,300	40.6	181.3	41,300	46.4	187.4	39,300	51.5	191.0	37,300	125
130	7.0	121.4	31,900*	15.9	139.3	38,300*	23.5	153.8	41,700*	29.2	163.6	41,100	36.7	174.9	39,200	43.0	182.2	37,300	48.4	186.7	35,400	130
135							16.2	139.4	39,400*	23.7	153.2	39,100	32.5	167.5	37,200	39.3	176.4	35,400	45.0	181.8	33,600	135
140										16.5	139.1	37,200	27.6	158.6	35,400	35.3	169.6	33,700	41.5	176.4	32,000	140
145													21.7	147.4	33,700	30.9	161.8	32,100	37.7	170.2	30,400	145
150													13.6	131.1	32,100	25.7	152.2	30,600	33.6	163.1	29,000	150
155																19.3	139.8	29,200	28.9	154.7	27,700	155
160																9.1	119.1	27,800	23.3	144.2	26,400	160
165																			16.0	129.7	25,200	165

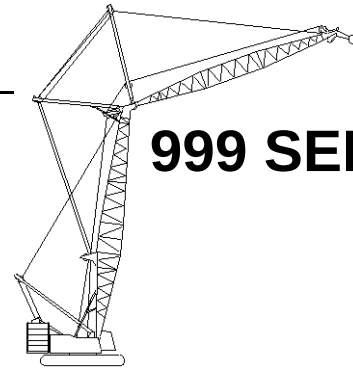


Liftcrane Luffing Jib Capacities

999 SERIES 3

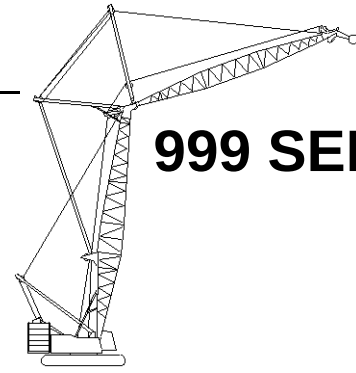
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	88,600*													65
70	63.5	223.7	74,800*	65.2	225.2	78,200*	67.7	226.9	83,300*													70
75	60.9	221.0	70,700*	62.7	222.7	73,800*	65.3	224.7	78,500*	67.8	226.1	83,100*										75
80	58.4	218.0	66,900*	60.2	219.9	69,800*	62.8	222.2	74,100*	65.3	223.8	76,600										80
85	55.7	214.7	63,500*	57.6	216.8	66,100*	60.3	219.4	70,100*	62.9	221.4	70,900										85
90	53.0	211.1	60,400*	54.9	213.4	62,700*	57.7	216.3	66,400*	60.4	218.6	65,900										90
95	50.2	207.0	57,500*	52.2	209.6	59,700*	55.0	212.9	63,000*	57.8	215.5	61,500	62.1	218.5	58,700							95
100	47.2	202.5	53,700*	49.3	205.4	56,800*	52.3	209.2	59,200	55.1	212.1	57,600	59.6	215.6	54,900							100
105	44.1	197.5	49,700*	46.3	200.8	53,200*	49.4	205.0	55,600	52.4	208.4	54,100	57.0	212.4	51,500							105
110	40.8	192.0	46,200*	43.1	195.7	49,800*	46.4	200.4	52,400	49.5	204.2	50,900	54.3	209.0	48,500							110
115	37.3	185.7	43,000*	39.7	189.9	46,600*	43.2	195.3	49,400	46.5	199.7	48,000	51.5	205.1	45,800	56.0	208.5	43,500				115
120	33.4	178.5	40,200*	36.1	183.3	43,800*	39.9	189.5	46,700	43.3	194.5	45,400	48.6	200.8	43,300	53.3	204.8	41,100				120
125	29.1	170.0	37,800*	32.1	175.8	41,300*	36.3	183.0	43,900*	40.0	188.8	43,000	45.6	196.1	41,000	50.5	200.8	38,900				125
130	24.0	159.8	35,900*	27.6	166.9	39,000*	32.3	175.5	41,300*	36.4	182.3	40,800	42.4	190.8	38,900	47.6	196.4	36,900	52.2	199.8	35,000	130
135	17.7	146.2	34,400*	22.3	155.9	36,800*	27.8	166.7	39,000*	32.4	174.9	38,800	38.9	184.8	36,900	44.5	191.5	35,100	49.3	195.6	33,200	135
140	6.7	121.9	28,200*	15.2	140.6	33,900*	22.5	155.7	36,900*	28.0	166.1	36,900	35.2	178.1	35,100	41.2	186.0	33,400	46.3	191.0	31,600	140
145							15.6	140.8	34,900*	22.7	155.2	35,200	31.1	170.3	33,500	37.7	179.8	31,800	43.2	185.8	30,100	145
150										15.8	140.5	33,500	26.5	161.0	31,900	33.9	172.7	30,300	39.8	180.1	28,700	150
155													20.9	149.2	30,400	29.6	164.4	28,900	36.2	173.5	27,300	155
160													13.0	132.2	29,000	24.7	154.4	27,600	32.2	166.0	26,100	160
165																18.5	141.4	26,300	27.7	157.1	24,900	165
170																8.7	119.9	25,100	22.4	146.1	23,800	170
175																			15.4	131.0	22,800	175



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	81,100*													70
75	63.2	232.4	69,000*	64.8	233.9	72,000*	67.1	235.6	76,600*													75
80	60.9	229.7	65,300*	62.5	231.3	68,200*	64.9	233.4	72,400*	67.2	234.8	76,100										80
85	58.5	226.7	62,000*	60.2	228.5	64,600*	62.6	230.8	68,500*	65.0	232.5	70,400										85
90	56.0	223.4	59,000*	57.8	225.5	61,300*	60.3	228.0	64,900*	62.7	230.0	65,400										90
95	53.5	219.8	56,200*	55.3	222.1	58,300*	57.9	225.0	61,700*	60.3	227.2	61,000										95
100	50.9	215.9	53,500*	52.7	218.4	55,600*	55.4	221.6	58,600*	57.9	224.2	57,100	62.0	227.1	54,400							100
105	48.2	211.5	49,600*	50.1	214.3	52,700*	52.8	217.9	55,200	55.5	220.8	53,600	59.6	224.3	51,000							105
110	45.4	206.7	46,100*	47.4	209.9	49,200*	50.2	213.9	51,900	52.9	217.2	50,400	57.2	221.1	48,000							110
115	42.4	201.5	42,900*	44.5	204.9	46,100*	47.5	209.4	49,000	50.3	213.1	47,600	54.7	217.7	45,200							115
120	39.2	195.6	40,100*	41.5	199.5	43,300*	44.6	204.5	46,200*	47.6	208.7	45,000	52.1	213.9	42,800	56.3	217.2	40,600				120
125	35.8	188.9	37,600*	38.2	193.4	40,700*	41.6	199.1	43,400*	44.7	203.8	42,600	49.5	209.7	40,500	53.8	213.6	38,400				125
130	32.1	181.4	35,300*	34.7	186.5	38,400*	38.4	193.0	40,800*	41.7	198.4	40,400	46.7	205.2	38,400	51.2	209.7	36,400				130
135	28.0	172.5	33,400*	30.9	178.6	36,300*	34.9	186.1	38,500*	38.5	192.3	38,400	43.8	200.1	36,500	48.5	205.4	34,500	52.8	208.5	32,700	135
140	23.1	161.8	31,800*	26.6	169.2	34,300*	31.1	178.3	36,300*	35.0	185.5	36,500	40.7	194.5	34,700	45.7	200.7	32,800	50.2	204.5	31,000	140
145	17.0	147.7	30,500*	21.4	157.7	32,500*	26.8	169.0	34,400*	31.2	177.7	34,800	37.4	188.2	33,000	42.7	195.4	31,300	47.4	200.0	29,500	145
150	6.4	122.4	24,900*	14.6	141.9	29,900*	21.7	157.6	32,500*	26.9	168.5	33,200	33.9	181.1	31,500	39.6	189.6	29,800	44.5	195.1	28,100	150
155							15.0	142.1	30,900*	21.9	157.2	31,700	30.0	172.9	30,000	36.2	183.1	28,400	41.5	189.6	26,800	155
160										15.2	141.8	30,200	25.5	163.2	28,700	32.6	175.6	27,100	38.3	183.5	25,600	160
165													20.1	151.0	27,400	28.5	167.0	25,900	34.8	176.7	24,400	165
170													12.5	133.3	26,200	23.7	156.5	24,800	31.0	168.8	23,300	170
175																17.8	142.9	23,700	26.7	159.5	22,300	175
180																8.4	120.5	22,600	21.5	148.0	21,300	180
185																			14.8	132.3	20,400	185



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



100 Ft. Boom, 150 Ft. Jib

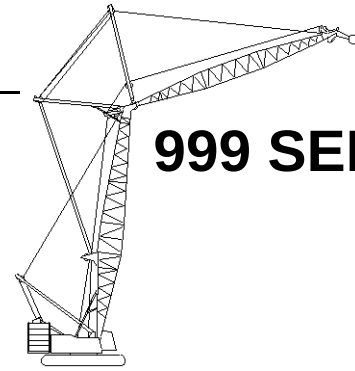
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	78,800*													70
75	65.1	243.6	67,300*	66.6	244.9	70,300*	68.7	246.5	74,500*													75
80	63.0	241.1	63,800*	64.5	242.6	66,500*	66.7	244.4	70,600*													80
85	60.8	238.3	60,600*	62.3	240.0	63,100*	64.6	242.0	66,900*	66.7	243.5	70,200										85
90	58.6	235.4	57,700*	60.2	237.2	60,000*	62.4	239.5	63,500*	64.6	241.2	65,200										90
95	56.3	232.1	54,900*	57.9	234.1	57,100*	60.2	236.7	60,400*	62.5	238.7	60,800										95
100	54.0	228.6	52,400*	55.6	230.8	54,400*	58.0	233.7	57,400*	60.3	235.9	56,900										100
105	51.6	224.7	49,600*	53.3	227.2	51,900*	55.7	230.3	54,700*	58.1	232.9	53,400	61.8	235.8	50,800							105
110	49.1	220.5	46,200*	50.8	223.2	49,100*	53.3	226.7	51,800	55.8	229.6	50,300	59.6	232.9	47,800							110
115	46.5	215.9	43,100*	48.3	218.9	45,900*	50.9	222.7	48,800	53.4	225.9	47,400	57.4	229.8	45,100							115
120	43.7	210.8	40,300*	45.6	214.1	43,100*	48.4	218.4	46,000*	51.0	222.0	44,800	55.1	226.4	42,600							120
125	40.9	205.2	37,700*	42.9	208.9	40,500*	45.8	213.7	43,200*	48.5	217.7	42,400	52.7	222.7	40,300	56.6	225.8	38,200				125
130	37.8	199.0	35,400*	40.0	203.1	38,200*	43.0	208.5	40,600*	45.8	213.0	40,300	50.2	218.6	38,200	54.3	222.3	36,200				130
135	34.6	192.0	33,400*	36.9	196.7	36,100*	40.1	202.8	38,300*	43.1	207.8	38,300	47.7	214.2	36,300	51.8	218.5	34,400				135
140	31.0	184.1	31,500*	33.5	189.5	34,100*	37.0	196.4	36,100*	40.2	202.1	36,400	45.0	209.4	34,500	49.4	214.3	32,700				140
145	27.0	174.9	29,900*	29.8	181.2	32,300*	33.7	189.2	34,100*	37.1	195.7	34,700	42.2	204.0	32,900	46.8	209.8	31,100	50.9	213.3	29,400	145
150	22.3	163.8	28,700*	25.6	171.5	30,600*	30.0	181.0	32,300*	33.8	188.5	33,100	39.3	198.1	31,300	44.1	204.7	29,600	48.3	209.0	28,000	150
155	16.4	149.1	27,200*	20.7	159.5	29,100*	25.8	171.3	30,600*	30.1	180.4	31,600	36.1	191.5	29,900	41.2	199.2	28,300	45.7	204.3	26,600	155
160	6.2	122.9	22,200*	14.1	143.1	26,700*	20.9	159.5	29,100*	26.0	170.8	30,200	32.7	184.1	28,600	38.2	193.1	27,000	42.9	199.1	25,400	160
165							14.4	143.3	27,700*	21.1	159.0	28,800	28.9	175.5	27,300	35.0	186.2	25,800	40.0	193.3	24,300	165
170										14.7	143.1	27,600	24.6	165.4	26,100	31.4	178.4	24,600	36.9	186.9	23,200	170
175													19.4	152.7	25,000	27.5	169.4	23,600	33.6	179.7	22,200	175
180													12.1	134.3	23,900	22.9	158.5	22,600	29.9	171.4	21,200	180
185																17.2	144.4	21,600	25.7	161.8	20,300	185
190																8.1	121.2	20,600	20.8	149.8	19,400	190
195																			14.3	133.5	18,600	195



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

100 Ft. Boom, 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	72,100*																70
75	66.8	254.5	65,500*	68.1	255.8	68,300*	70.1	257.2	72,400*													75
80	64.8	252.3	62,200*	66.2	253.6	64,900*	68.2	255.2	68,700*													80
85	62.8	249.7	59,100*	64.2	251.3	61,600*	66.3	253.1	63,800													85
90	60.8	247.0	56,300*	62.2	248.7	58,600*	64.3	250.7	59,000	66.3	252.3	56,500										90
95	58.7	244.0	53,600*	60.1	245.9	55,800*	62.3	248.2	54,700	64.4	249.9	52,400										95
100	56.6	240.8	51,200*	58.0	242.8	53,200*	60.2	245.4	51,000	62.3	247.4	48,800										100
105	54.4	237.3	48,900*	55.9	239.5	49,700	58.1	242.3	47,600	60.3	244.6	45,500										105
110	52.1	233.5	45,900*	53.7	235.9	46,500	56.0	239.0	44,500	58.2	241.5	42,500	61.7	244.5	39,200							110
115	49.8	229.4	42,900*	51.4	232.0	43,700	53.8	235.5	41,800	56.1	238.3	39,900	59.7	241.6	36,700							115
120	47.4	224.9	40,100*	49.1	227.8	41,100	51.5	231.6	39,300	53.9	234.7	37,400	57.5	238.5	34,500							120
125	44.9	220.0	37,700*	46.6	223.2	38,700	49.2	227.4	37,000	51.6	230.8	35,200	55.4	235.1	32,400							125
130	42.3	214.7	35,400*	44.1	218.2	36,500	46.7	222.8	34,900	49.3	226.6	33,200	53.2	231.5	30,500	56.8	234.5	27,800				130
135	39.5	208.8	33,300*	41.5	212.7	34,500	44.2	217.8	32,900	46.8	222.0	31,300	50.9	227.5	28,700	54.6	231.1	26,100				135
140	36.6	202.3	31,400*	38.6	206.7	32,600	41.6	212.3	31,100	44.3	217.1	29,600	48.5	223.2	27,100	52.4	227.3	24,600				140
145	33.4	195.1	29,700*	35.6	199.9	30,900	38.8	206.3	29,400	41.6	211.6	28,000	46.1	218.5	25,600	50.1	223.2	23,200				145
150	30.0	186.8	28,200*	32.4	192.4	29,300	35.8	199.6	27,900	38.8	205.6	26,500	43.5	213.4	24,100	47.7	218.8	21,900	51.5	222.2	19,600	150
155	26.1	177.2	26,900*	28.8	183.8	27,800	32.5	192.1	26,400	35.9	198.9	25,100	40.8	207.8	22,800	45.2	213.9	20,600	49.1	218.0	18,500	155
160	21.6	165.7	25,800*	24.8	173.7	26,400	29.0	183.5	25,100	32.6	191.5	23,800	38.0	201.6	21,600	42.6	208.7	19,500	46.7	213.4	17,400	160
165	15.9	150.5	24,100*	20.0	161.3	25,000	25.0	173.5	23,800	29.1	183.0	22,500	34.9	194.7	20,400	39.8	202.9	18,400	44.2	208.4	16,400	165
170	6.0	123.4	19,600*	13.7	144.3	23,600*	20.2	161.2	22,600	25.1	173.0	21,400	31.6	186.9	19,400	36.9	196.4	17,400	41.5	202.9	15,400	170
175							14.0	144.5	21,400	20.4	160.8	20,300	27.9	178.0	18,300	33.8	189.3	16,400	38.7	196.8	14,500	175
180										14.2	144.3	19,200	23.8	167.5	17,300	30.4	181.2	15,500	35.7	190.1	13,700	180
185													18.7	154.3	16,400	26.6	171.8	14,600	32.5	182.6	12,900	185
190													11.7	135.3	15,500	22.1	160.5	13,800	28.9	174.0	12,100	190
195																16.6	145.9	13,000	24.9	164.0	11,400	195
200																7.8	121.9	12,200	20.1	151.6	10,700	200
205																			13.8	134.7	10,000	205



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



100 Ft. Boom, 170 Ft. Jib

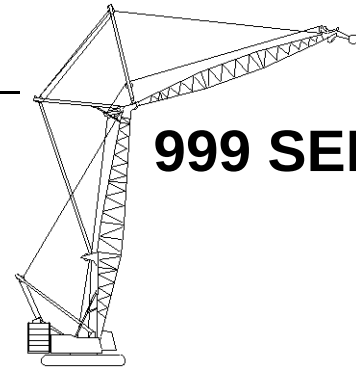
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	66,700*																75
80	66.4	263.3	60,800*	67.7	264.5	63,300*	69.6	266.0	67,000*													80
85	64.5	260.9	57,800*	65.8	262.3	60,200*	67.7	264.0	63,300													85
90	62.6	258.4	55,100*	64.0	259.9	57,400*	65.9	261.8	58,500	67.8	263.2	56,000										90
95	60.7	255.7	52,600*	62.1	257.3	54,700*	64.0	259.4	54,300	66.0	261.0	51,900										95
100	58.8	252.7	50,200*	60.1	254.5	52,200*	62.1	256.8	50,500	64.1	258.6	48,200										100
105	56.8	249.5	48,000*	58.2	251.5	49,200	60.2	254.0	47,100	62.2	256.0	45,000										105
110	54.7	246.0	45,300*	56.1	248.2	46,100	58.2	251.0	44,100	60.3	253.2	42,000										110
115	52.6	242.3	42,500*	54.1	244.7	43,200	56.2	247.7	41,300	58.3	250.2	39,400	61.6	253.1	36,200							115
120	50.4	238.3	39,900*	52.0	240.8	40,600	54.2	244.2	38,800	56.3	246.9	37,000	59.7	250.3	33,900							120
125	48.2	233.9	37,500*	49.8	236.7	38,300	52.0	240.4	36,500	54.2	243.4	34,700	57.7	247.2	31,900							125
130	45.9	229.2	35,300*	47.5	232.2	36,100	49.9	236.3	34,400	52.1	239.6	32,700	55.7	243.8	29,900							130
135	43.5	224.0	33,300*	45.2	227.4	34,100	47.6	231.8	32,500	49.9	235.5	30,800	53.6	240.2	28,200	57.0	243.2	25,600				135
140	40.9	218.4	31,400*	42.7	222.1	32,200	45.3	227.0	30,700	47.7	231.1	29,100	51.5	236.3	26,600	55.0	239.8	24,100				140
145	38.3	212.3	29,700*	40.1	216.4	30,500	42.8	221.7	29,000	45.3	226.2	27,500	49.3	232.1	25,100	52.9	236.1	22,600				145
150	35.4	205.5	28,100*	37.4	210.1	28,900	40.3	216.0	27,500	42.9	221.0	26,000	47.0	227.6	23,700	50.7	232.1	21,300				150
155	32.4	198.0	26,700*	34.5	203.1	27,400	37.5	209.7	26,000	40.3	215.3	24,600	44.6	222.6	22,300	48.5	227.8	20,100	52.0	231.0	17,900	155
160	29.0	189.4	25,500*	31.4	195.2	26,000	34.7	202.7	24,700	37.6	209.0	23,300	42.1	217.2	21,100	46.2	223.1	19,000	49.8	226.9	16,900	160
165	25.3	179.5	24,400*	27.9	186.3	24,700	31.5	194.9	23,400	34.7	202.1	22,100	39.5	211.4	20,000	43.8	218.0	17,900	47.5	222.4	15,900	165
170	20.9	167.5	23,300*	24.0	175.8	23,400	28.1	186.0	22,200	31.6	194.3	21,000	36.8	204.9	18,900	41.2	212.4	16,900	45.2	217.6	14,900	170
175	15.4	151.8	21,300*	19.4	163.0	22,200	24.2	175.7	21,100	28.2	185.5	19,900	33.8	197.7	17,900	38.6	206.4	15,900	42.8	212.3	14,000	175
180	5.8	123.9	17,200*	13.2	145.4	20,900*	19.6	163.0	20,000	24.3	175.1	18,800	30.6	189.7	16,900	35.8	199.7	15,000	40.2	206.5	13,200	180
185							13.5	145.7	18,900	19.8	162.5	17,800	27.1	180.4	16,000	32.7	192.2	14,200	37.5	200.2	12,400	185
190										13.8	145.5	16,900	23.0	169.5	15,100	29.4	183.8	13,400	34.6	193.3	11,600	190
195													18.1	155.9	14,300	25.7	174.0	12,600	31.5	185.4	10,900	195
200													11.3	136.3	13,500	21.5	162.4	11,900	28.0	176.5	10,200	200
205																16.1	147.3	11,100	24.1	166.1	9,600	205
210																7.6	122.5	10,400	19.5	153.3	8,900	210
215																			13.4	135.9	8,300	215



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

100 Ft. Boom, 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	64,600*																75
80	67.8	274.2	56,900*	69.0	275.3	61,500*	70.7	276.6	63,500*													80
85	66.0	272.0	56,200*	67.3	273.3	58,600*	69.0	274.8	61,900*													85
90	64.3	269.6	53,700*	65.5	271.0	55,900*	67.3	272.7	57,900													90
95	62.5	267.1	51,200*	63.7	268.6	53,300*	65.6	270.5	53,700	67.4	271.9	51,200										95
100	60.7	264.3	48,900*	62.0	266.0	50,900*	63.8	268.1	49,900	65.6	269.7	47,600										100
105	58.8	261.4	46,800*	60.1	263.2	48,600*	62.0	265.5	46,500	63.9	267.3	44,300										105
110	56.9	258.2	44,400*	58.3	260.2	45,500	60.2	262.7	43,500	62.1	264.7	41,400										110
115	55.0	254.7	41,900*	56.4	256.9	42,700	58.3	259.7	40,700	60.3	261.9	38,700										115
120	53.0	251.1	39,500*	54.4	253.4	40,100	56.4	256.4	38,200	58.4	258.9	36,300	61.5	261.8	33,200							120
125	51.0	247.1	37,300*	52.4	249.6	37,700	54.5	252.9	35,900	56.5	255.6	34,100	59.7	258.9	31,200							125
130	48.9	242.8	35,100*	50.4	245.6	35,500	52.5	249.2	33,800	54.6	252.1	32,100	57.8	255.8	29,300							130
135	46.8	238.2	33,100*	48.3	241.2	33,500	50.5	245.1	31,900	52.6	248.4	30,200	55.9	252.5	27,500							135
140	44.5	233.3	31,300*	46.1	236.5	31,700	48.4	240.8	30,100	50.5	244.4	28,500	54.0	249.0	25,900	57.2	251.9	23,300				140
145	42.2	227.9	29,600*	43.8	231.4	30,000	46.2	236.1	28,400	48.4	240.0	26,900	52.0	245.1	24,400	55.2	248.5	21,900				145
150	39.7	222.1	28,100*	41.4	225.9	28,400	43.9	231.0	26,900	46.2	235.4	25,400	49.9	241.0	23,000	53.3	244.8	20,600				150
155	37.1	215.7	26,600*	39.0	219.9	26,900	41.5	225.5	25,500	44.0	230.3	24,000	47.8	236.6	21,700	51.2	240.9	19,400				155
160	34.4	208.6	25,200*	36.3	213.3	25,500	39.1	219.6	24,100	41.6	224.8	22,700	45.6	231.8	20,500	49.2	236.7	18,300	52.5	239.8	16,100	160
165	31.4	200.8	23,900*	33.5	206.1	24,200	36.4	213.0	22,800	39.1	218.9	21,500	43.3	226.6	19,300	47.0	232.1	17,200	50.4	235.7	15,100	165
170	28.2	191.9	22,700*	30.5	197.9	22,900	33.6	205.8	21,700	36.5	212.3	20,400	40.9	221.0	18,300	44.8	227.2	16,200	48.3	231.4	14,200	170
175	24.6	181.6	21,600*	27.1	188.7	21,800	30.6	197.7	20,500	33.7	205.1	19,300	38.4	214.9	17,300	42.5	221.9	15,300	46.1	226.7	13,300	175
180	20.3	169.3	20,500*	23.3	177.9	20,700	27.3	188.5	19,500	30.7	197.1	18,300	35.7	208.1	16,300	40.0	216.1	14,400	43.9	221.6	12,500	180
185	14.9	153.1	18,700*	18.8	164.6	19,600	23.5	177.7	18,500	27.4	187.9	17,300	32.8	200.7	15,400	37.5	209.8	13,500	41.5	216.1	11,700	185
190	5.6	124.4	15,000*	12.8	146.5	18,300*	19.0	164.6	17,500	23.6	177.2	16,400	29.7	192.3	14,600	34.7	202.8	12,700	39.0	210.1	11,000	190
195							13.1	146.8	16,600	19.2	164.2	15,500	26.3	182.7	13,700	31.8	195.1	12,000	36.4	203.5	10,200	195
200										13.4	146.6	14,700	22.4	171.5	13,000	28.6	186.3	11,200	33.6	196.3	9,600	200
205													17.6	157.4	12,200	25.0	176.2	10,600	30.5	188.2	8,900	205
210													11.0	137.2	11,400	20.8	164.2	9,900	27.2	178.9	8,300	210
215																15.6	148.6	9,200	23.4	168.2	7,700	215
220																7.4	123.1	8,600	18.9	155.0	7,100	220
225																			13.0	137.0	6,600	225

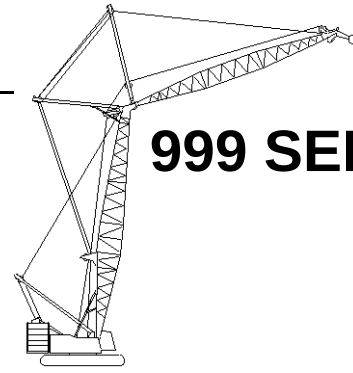


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



100 Ft. Boom, 190 Ft. Jib

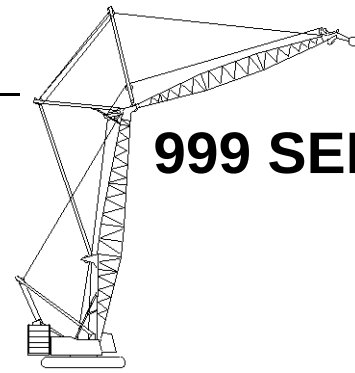
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	58,500*																80
85	67.4	282.9	50,700*	68.5	284.1	56,800*	70.2	285.5	56,400*													85
90	65.7	280.7	50,300*	66.9	282.0	54,300*	68.6	283.5	56,200*													90
95	64.1	278.3	49,800*	65.2	279.7	51,800*	67.0	281.5	53,400													95
100	62.4	275.7	47,700*	63.6	277.3	49,500*	65.3	279.2	49,600	67.0	280.6	47,300										100
105	60.6	273.0	45,600*	61.8	274.7	47,400*	63.6	276.8	46,200	65.3	278.4	44,000										105
110	58.9	270.0	43,700*	60.1	271.8	45,300*	61.9	274.2	43,200	63.7	276.0	41,100										110
115	57.1	266.9	41,400*	58.4	268.8	42,400	60.2	271.3	40,400	62.0	273.4	38,500										115
120	55.3	263.5	39,200*	56.6	265.6	39,800	58.4	268.3	37,900	60.2	270.5	36,000										120
125	53.4	259.8	37,100*	54.7	262.1	37,400	56.6	265.1	35,600	58.5	267.5	33,800	61.4	270.4	30,900							125
130	51.5	255.9	35,100*	52.8	258.4	35,300	54.8	261.6	33,500	56.7	264.3	31,800	59.7	267.6	29,000							130
135	49.5	251.8	33,100*	50.9	254.4	33,300	52.9	257.9	31,600	54.9	260.9	29,900	57.9	264.5	27,200							135
140	47.5	247.3	31,200*	48.9	250.2	31,400	51.0	254.0	29,800	53.0	257.2	28,200	56.1	261.2	25,600							140
145	45.4	242.5	29,500*	46.9	245.6	29,700	49.0	249.7	28,200	51.1	253.2	26,600	54.3	257.7	24,100	57.3	260.6	21,600				145
150	43.3	237.3	27,800*	44.8	240.7	28,100	47.0	245.2	26,600	49.1	249.0	25,100	52.4	253.9	22,700	55.5	257.2	20,300				150
155	41.0	231.7	26,300*	42.6	235.4	26,600	44.9	240.2	25,200	47.0	244.4	23,800	50.5	249.9	21,400	53.6	253.6	19,100				155
160	38.6	225.6	25,000*	40.3	229.6	25,200	42.7	235.0	23,800	44.9	239.5	22,500	48.5	245.5	20,200	51.7	249.7	18,000				160
165	36.1	218.9	23,600*	37.9	223.4	23,900	40.4	229.2	22,600	42.7	234.2	21,300	46.4	240.9	19,100	49.8	245.6	16,900	52.9	248.5	14,800	165
170	33.4	211.6	22,400*	35.3	216.5	22,700	38.0	223.0	21,400	40.5	228.5	20,100	44.3	235.9	18,000	47.8	241.1	15,900	51.0	244.6	13,900	170
175	30.6	203.5	21,300*	32.6	209.0	21,500	35.4	216.2	20,300	38.0	222.3	19,000	42.1	230.5	17,000	45.7	236.4	15,000	49.0	240.3	13,000	175
180	27.4	194.3	20,200*	29.6	200.6	20,400	32.7	208.7	19,200	35.5	215.5	18,000	39.7	224.6	16,000	43.5	231.2	14,100	46.9	235.7	12,200	180
185	23.9	183.7	19,200*	26.4	191.0	19,400	29.8	200.3	18,200	32.8	208.1	17,100	37.3	218.2	15,200	41.3	225.7	13,300	44.8	230.8	11,400	185
190	19.7	171.0	18,300*	22.7	179.9	18,400	26.5	190.8	17,300	29.9	199.7	16,200	34.7	211.3	14,300	38.9	219.7	12,500	42.6	225.5	10,700	190
195	14.5	154.4	16,500*	18.3	166.2	17,500	22.9	179.8	16,400	26.6	190.3	15,300	31.9	203.5	13,500	36.4	213.1	11,700	40.3	219.8	10,000	195
200	5.5	124.8	13,200*	12.5	147.6	16,200*	18.5	166.2	15,500	23.0	179.2	14,500	28.9	194.9	12,700	33.8	205.9	11,000	37.9	213.6	9,300	200
205				12.8	147.9	14,700				18.7	165.8	13,700	25.6	185.0	12,000	30.9	197.8	10,300	35.4	206.7	8,700	205
210										13.0	147.7	12,900	21.8	173.4	11,300	27.8	188.8	9,700	32.6	199.2	8,100	210
215													17.1	158.9	10,600	24.3	178.4	9,000	29.7	190.8	7,500	215
220													10.7	138.1	9,900	20.3	166.0	8,400	26.4	181.3	6,900	220
225																15.2	150.0	7,800	22.8	170.2	6,400	225
230																7.1	123.7	7,200	18.4	156.6	5,900	230
235																			12.6	138.1	5,300	235



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

100 Ft. Boom, 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	
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	51,900*	69.7	294.3	50,400*													90
95	65.5	289.4	44,900*	66.5	290.7	50,300*	68.2	292.3	50,200*													95
100	63.9	287.0	44,500*	65.0	288.4	48,200*	66.6	290.2	49,000													100
105	62.3	284.4	44,100*	63.4	286.0	46,100*	65.0	287.9	45,600	66.7	289.4	43,400										105
110	60.6	281.6	42,300*	61.8	283.3	44,100*	63.4	285.4	42,600	65.1	287.1	40,500										110
115	59.0	278.7	40,200*	60.1	280.5	41,900	61.8	282.8	39,800	63.5	284.6	37,800										115
120	57.3	275.5	38,300*	58.4	277.5	39,300	60.2	280.0	37,300	61.9	282.0	35,400										120
125	55.5	272.2	36,400*	56.7	274.3	36,900	58.5	277.0	35,000	60.2	279.2	33,200	63.0	281.8	30,200							125
130	53.8	268.6	34,500*	55.0	270.8	34,700	56.8	273.8	33,000	58.6	276.2	31,200	61.4	279.1	28,300							130
135	52.0	264.7	32,600*	53.2	267.2	32,700	55.1	270.4	31,000	56.9	273.0	29,300	59.7	276.2	26,600							135
140	50.1	260.6	30,700*	51.4	263.3	30,900	53.3	266.7	29,200	55.1	269.6	27,600	58.0	273.2	24,900							140
145	48.2	256.3	28,900*	49.5	259.1	29,200	51.5	262.8	27,600	53.4	265.9	26,000	56.3	269.9	23,500							145
150	46.2	251.6	27,300*	47.6	254.6	27,600	49.6	258.6	26,100	51.5	262.0	24,500	54.6	266.4	22,100	57.5	269.2	19,600				150
155	44.2	246.5	25,800*	45.6	249.8	26,100	47.7	254.2	24,600	49.7	257.9	23,200	52.8	262.7	20,800	55.7	265.9	18,400				155
160	42.1	241.1	24,400*	43.6	244.7	24,700	45.7	249.4	23,300	47.8	253.4	21,900	51.0	258.7	19,600	54.0	262.3	17,300				160
165	39.9	235.3	23,100*	41.4	239.2	23,400	43.7	244.3	22,000	45.8	248.7	20,700	49.1	254.5	18,400	52.2	258.5	16,200				165
170	37.6	229.0	21,900*	39.2	233.2	22,200	41.5	238.8	20,900	43.7	243.6	19,500	47.2	249.9	17,400	50.3	254.5	15,200				170
175	35.2	222.1	20,800*	36.9	226.7	21,000	39.3	232.8	19,700	41.6	238.1	18,500	45.2	245.1	16,400	48.4	250.1	14,300	51.4	253.4	12,300	175
180	32.6	214.6	19,700*	34.4	219.6	19,900	37.0	226.4	18,700	39.4	232.1	17,500	43.1	239.8	15,400	46.5	245.5	13,400	49.6	249.2	11,500	180
185	29.8	206.2	18,700*	31.7	211.8	18,900	34.5	219.3	17,700	37.0	225.7	16,500	40.9	234.2	14,500	44.4	240.5	12,600	47.6	244.8	10,700	185
190	26.7	196.7	17,700*	28.9	203.2	17,900	31.8	211.6	16,800	34.6	218.7	15,600	38.7	228.1	13,700	42.3	235.1	11,800	45.7	240.0	10,000	190
195	23.3	185.8	16,800*	25.7	193.3	17,000	29.0	202.9	15,900	31.9	210.9	14,800	36.3	221.5	12,900	40.2	229.3	11,100	43.6	234.8	9,300	195
200	19.2	172.7	16,000*	22.1	181.8	16,100	25.8	193.1	15,000	29.1	202.3	13,900	33.8	214.3	12,100	37.9	223.1	10,400	41.5	229.3	8,600	200
205	14.1	155.6	14,300*	17.8	167.8	15,300	22.3	181.7	14,200	25.9	192.6	13,200	31.1	206.3	11,400	35.4	216.3	9,700	39.2	223.4	8,000	205
210	5.3	125.2	11,200*	12.2	148.6	14,100*	18.0	167.8	13,400	22.4	181.2	12,400	28.2	197.4	10,700	32.9	208.8	9,000	36.9	216.9	7,400	210
215							12.4	149.0	12,700	18.2	167.4	11,700	24.9	187.2	10,100	30.1	200.5	8,400	34.4	209.8	6,800	215
220										12.7	148.8	11,000	21.2	175.2	9,400	27.1	191.2	7,800	31.8	202.1	6,300	220
225													16.7	160.4	8,800	23.7	180.5	7,300	28.9	193.4	5,800	225
230													10.4	139.0	8,200	19.7	167.7	6,700	25.8	183.6	5,200	230
235																14.8	151.2	6,200	22.2	172.1	4,800	235
240																7.0	124.3	5,600	17.9	158.1	4,300	240

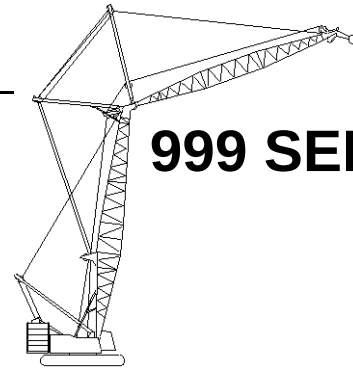


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



100 Ft. Boom, 210 Ft. Jib

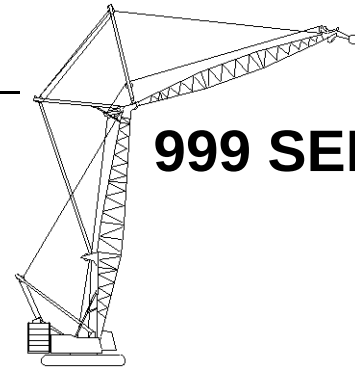
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	75.4	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	46,400*	69.3	303.1	45,200*													95
100	65.2	298.1	40,100*	66.2	299.4	46,000*	67.8	301.1	44,900*													100
105	63.7	295.7	39,700*	64.7	297.1	45,000*	66.3	298.9	44,600*	67.8	300.2	42,900										105
110	62.1	293.1	39,300*	63.2	294.6	43,100*	64.8	296.6	42,100	66.4	298.1	40,000										110
115	60.6	290.3	38,900*	61.7	292.0	41,400*	63.3	294.1	39,300	64.8	295.8	37,300										115
120	59.0	287.4	37,200*	60.1	289.2	38,800	61.7	291.5	36,800	63.3	293.3	34,900										120
125	57.4	284.2	35,500*	58.5	286.2	36,400	60.2	288.7	34,600	61.8	290.7	32,700										125
130	55.7	280.9	33,800*	56.9	283.0	34,300	58.6	285.7	32,500	60.2	287.9	30,700	62.9	290.5	27,800							130
135	54.1	277.3	32,200*	55.2	279.5	32,300	57.0	282.5	30,500	58.6	284.9	28,800	61.3	287.8	26,000							135
140	52.4	273.5	30,500*	53.6	275.9	30,400	55.3	279.1	28,800	57.0	281.7	27,100	59.7	284.9	24,400							140
145	50.6	269.5	28,700*	51.8	272.1	28,700	53.6	275.5	27,100	55.4	278.3	25,500	58.1	281.8	22,900							145
150	48.8	265.2	27,100*	50.1	268.0	27,100	51.9	271.6	25,600	53.7	274.7	24,100	56.5	278.6	21,500							150
155	47.0	260.6	25,500*	48.3	263.6	25,600	50.1	267.5	24,100	52.0	270.8	22,700	54.9	275.1	20,300	57.6	277.9	17,900				155
160	45.1	255.7	24,100*	46.4	258.9	24,200	48.3	263.1	22,800	50.2	266.8	21,400	53.2	271.5	19,100	55.9	274.6	16,800				160
165	43.1	250.5	22,800*	44.5	253.9	22,900	46.5	258.5	21,600	48.4	262.4	20,200	51.4	267.5	17,900	54.3	271.1	15,700				165
170	41.0	244.9	21,600*	42.5	248.6	21,700	44.5	253.5	20,400	46.5	257.8	19,100	49.7	263.4	16,900	52.6	267.3	14,700				170
175	38.9	238.9	20,400*	40.4	242.9	20,600	42.5	248.2	19,300	44.6	252.8	18,000	47.8	258.9	15,900	50.8	263.3	13,800				175
180	36.6	232.3	19,300*	38.2	236.7	19,500	40.5	242.5	18,200	42.6	247.5	17,000	45.9	254.2	14,900	49.0	259.0	12,900	51.9	262.2	10,900	180
185	34.3	225.2	18,300*	35.9	230.0	18,500	38.3	236.3	17,300	40.5	241.8	16,000	44.0	249.1	14,000	47.2	254.5	12,100	50.1	258.1	10,200	185
190	31.7	217.4	17,300*	33.5	222.7	17,500	36.0	229.6	16,300	38.4	235.6	15,100	42.0	243.7	13,200	45.3	249.7	11,300	48.3	253.7	9,500	190
195	29.0	208.8	16,400*	30.9	214.6	16,600	33.6	222.3	15,400	36.1	229.0	14,300	39.9	237.9	12,400	43.3	244.5	10,600	46.4	249.1	8,800	195
200	26.0	199.0	15,600*	28.1	205.7	15,700	31.0	214.3	14,600	33.7	221.7	13,500	37.7	231.6	11,700	41.3	238.9	9,900	44.5	244.1	8,100	200
205	22.7	187.8	14,800*	25.1	195.5	14,900	28.3	205.4	13,800	31.1	213.7	12,700	35.4	224.7	10,900	39.1	232.9	9,200	42.5	238.8	7,500	205
210	18.8	174.3	14,000*	21.6	183.7	14,100	25.2	195.3	13,000	28.4	204.8	12,000	32.9	217.3	10,200	36.9	226.4	8,500	40.4	233.0	6,900	210
215	13.8	156.8	12,400*	17.4	169.3	13,300	21.7	183.6	12,300	25.3	194.8	11,300	30.3	209.0	9,600	34.6	219.4	7,900	38.3	226.8	6,300	215
220	5.2	125.7	9,500*	11.9	149.7	12,200*	17.6	169.3	11,600	21.8	183.1	10,600	27.5	199.8	9,000	32.0	211.7	7,300	36.0	220.2	5,800	220
225							12.1	150.0	10,900	17.7	169.0	9,900	24.3	189.4	8,400	29.3	203.1	6,800	33.6	212.9	5,300	225
230										12.3	149.9	9,300	20.7	177.1	7,800	26.4	193.5	6,200	31.0	204.8	4,800	230
235													16.3	161.8	7,200	23.1	182.5	5,700	28.2	195.9	4,300	235
240													10.1	139.9	6,600	19.3	169.4	5,200				240
245																14.4	152.5	4,700				245
250																6.8	124.9	4,200				250



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

100 Ft. Boom, 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 Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib 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	41,400*	68.9	311.8	40,400*													100
105	65.0	306.8	35,800*	66.0	308.2	41,000*	67.4	309.8	40,100*													105
110	63.5	304.4	35,400*	64.5	305.8	40,600*	66.0	307.6	39,800*	67.5	309.0	39,300										110
115	62.0	301.7	35,000*	63.1	303.3	40,100*	64.6	305.3	38,700	66.1	306.8	36,700										115
120	60.6	299.0	34,600*	61.6	300.7	38,200	63.1	302.8	36,300	64.6	304.5	34,300										120
125	59.0	296.0	34,300*	60.1	297.8	35,900	61.7	300.1	34,000	63.2	302.0	32,100										125
130	57.5	292.9	32,900*	58.6	294.8	33,700	60.2	297.3	31,900	61.7	299.3	30,100										130
135	55.9	289.6	31,400*	57.0	291.6	31,700	58.6	294.3	30,000	60.2	296.5	28,200	62.7	299.1	25,300							135
140	54.4	286.0	29,900*	55.5	288.3	29,900	57.1	291.1	28,200	58.7	293.5	26,500	61.3	296.4	23,700							140
145	52.7	282.3	28,200*	53.9	284.7	28,100	55.5	287.8	26,500	57.2	290.4	24,900	59.8	293.6	22,300							145
150	51.1	278.3	26,500*	52.2	280.9	26,600	53.9	284.2	25,000	55.6	287.0	23,400	58.2	290.5	20,900							150
155	49.4	274.1	25,000*	50.6	276.8	25,100	52.3	280.4	23,600	54.0	283.4	22,100	56.7	287.3	19,600							155
160	47.6	269.6	23,600*	48.8	272.5	23,700	50.6	276.4	22,200	52.3	279.6	20,800	55.1	283.8	18,400	57.7	286.6	16,100				160
165	45.8	264.9	22,300*	47.1	268.0	22,400	48.9	272.1	21,000	50.7	275.6	19,600	53.5	280.2	17,300	56.1	283.3	15,000				165
170	44.0	259.8	21,000*	45.3	263.1	21,200	47.1	267.5	19,800	49.0	271.3	18,500	51.8	276.3	16,200	54.5	279.8	14,000				170
175	42.0	254.4	19,900*	43.4	257.9	20,000	45.3	262.7	18,700	47.2	266.8	17,400	50.2	272.3	15,200	52.9	276.1	13,100				175
180	40.0	248.6	18,800*	41.4	252.4	19,000	43.5	257.5	17,700	45.4	262.0	16,400	48.4	267.9	14,300	51.3	272.1	12,200				180
185	38.0	242.3	17,800*	39.4	246.4	17,900	41.5	252.0	16,700	43.5	256.8	15,500	46.7	263.3	13,400	49.6	268.0	11,400	52.3	271.0	9,500	185
190	35.8	235.6	16,800*	37.3	240.1	17,000	39.5	246.1	15,800	41.6	251.3	14,600	44.8	258.3	12,600	47.8	263.5	10,600	50.6	267.0	8,700	190
195	33.5	228.2	15,900*	35.1	233.1	16,100	37.4	239.7	14,900	39.6	245.4	13,700	42.9	253.1	11,800	46.0	258.8	9,900	48.9	262.7	8,100	195
200	31.0	220.2	15,000*	32.7	225.6	15,200	35.2	232.8	14,000	37.5	239.0	12,900	41.0	247.4	11,000	44.2	253.7	9,200	47.1	258.1	7,400	200
205	28.3	211.3	14,200*	30.2	217.3	14,400	32.8	225.3	13,300	35.2	232.1	12,100	38.9	241.4	10,300	42.3	248.4	8,500	45.3	253.3	6,800	205
210	25.4	201.3	13,400*	27.5	208.1	13,600	30.3	217.0	12,500	32.9	224.7	11,400	36.8	234.9	9,600	40.3	242.6	7,900	43.4	248.1	6,200	210
215	22.1	189.7	12,700*	24.5	197.7	12,800	27.6	207.9	11,800	30.4	216.4	10,700	34.5	227.8	9,000	38.2	236.4	7,300	41.5	242.6	5,600	215
220	18.3	175.9	12,000*	21.1	185.6	12,100	24.6	197.5	11,100	27.7	207.3	10,100	32.2	220.2	8,400	36.0	229.7	6,700	39.5	236.6	5,100	220
225	13.5	158.0	10,500*	17.0	170.8	11,400	21.2	185.5	10,400	24.7	197.0	9,400	29.6	211.7	7,800	33.7	222.4	6,200	37.3	230.2	4,600	225
230	5.0	126.1	7,800*	11.6	150.7	10,300*	17.2	170.8	9,800	21.3	185.0	8,800	26.8	202.2	7,200	31.3	214.5	5,600	35.1	223.3	4,100	230
235							11.8	151.0	9,100	17.3	170.5	8,200	23.7	191.5	6,700	28.6	205.7	5,100				235
240										12.1	150.9	7,600	20.2	178.8	6,100	25.8	195.8	4,600				240
245													15.9	163.2	5,600	22.5	184.5	4,200				245
250													9.9	140.7	5,100							250



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



100 Ft. Boom, 230 Ft. Jib

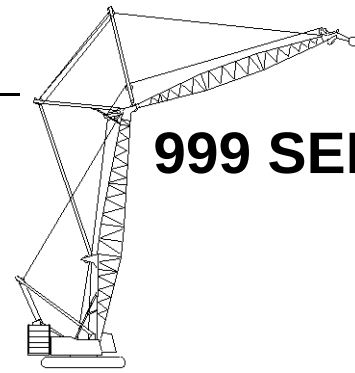
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	
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	38,900*													100
105	66.1	317.8	33,800*	67.1	319.1	39,100*	68.5	320.6	38,700*													105
110	64.8	315.5	33,400*	65.7	316.9	38,700*	67.1	318.5	38,400*													110
115	63.4	313.0	33,100*	64.3	314.5	38,400*	65.8	316.3	38,100*	67.2	317.7	36,200										115
120	62.0	310.4	32,800*	62.9	312.0	37,200*	64.4	314.0	35,800	65.8	315.5	33,800										120
125	60.5	307.6	31,400*	61.5	309.3	35,500	63.0	311.5	33,500	64.4	313.2	31,700										125
130	59.1	304.7	30,100*	60.1	306.5	33,300	61.6	308.8	31,500	63.0	310.7	29,600										130
135	57.6	301.6	28,900*	58.6	303.5	31,300	60.2	306.0	29,500	61.6	308.0	27,800										135
140	56.1	298.3	27,600*	57.2	300.3	29,400	58.7	303.0	27,800	60.2	305.2	26,100	62.6	307.8	23,300							140
145	54.6	294.8	26,500*	55.7	297.0	27,700	57.2	299.8	26,100	58.8	302.2	24,500	61.2	305.1	21,800							145
150	53.1	291.1	25,300*	54.1	293.4	26,200	55.7	296.5	24,600	57.3	299.0	23,000	59.8	302.2	20,500							150
155	51.5	287.2	24,200*	52.6	289.6	24,700	54.2	292.9	23,200	55.8	295.7	21,700	58.3	299.2	19,200							155
160	49.9	283.0	23,200*	51.0	285.7	23,300	52.6	289.2	21,800	54.3	292.2	20,400	56.8	296.0	18,000							160
165	48.2	278.6	21,900*	49.4	281.4	22,000	51.1	285.2	20,600	52.7	288.4	19,200	55.3	292.6	16,900	57.8	295.3	14,600				165
170	46.5	274.0	20,600*	47.7	277.0	20,800	49.4	281.0	19,400	51.1	284.4	18,100	53.8	289.0	15,800	56.3	292.0	13,600				170
175	44.7	269.0	19,500*	46.0	272.2	19,600	47.8	276.5	18,300	49.5	280.2	17,000	52.2	285.1	14,800	54.8	288.5	12,700				175
180	42.9	263.7	18,400*	44.2	267.2	18,600	46.0	271.8	17,300	47.8	275.8	16,000	50.6	281.1	13,900	53.2	284.8	11,800				180
185	41.1	258.1	17,400*	42.4	261.8	17,600	44.3	266.8	16,300	46.1	271.1	15,100	49.0	276.8	13,000	51.7	281.0	11,000				185
190	39.1	252.1	16,400*	40.5	256.1	16,600	42.5	261.4	15,400	44.3	266.0	14,200	47.3	272.3	12,200	50.0	276.8	10,200	52.6	279.8	8,300	190
195	37.1	245.7	15,500*	38.5	250.0	15,700	40.6	255.7	14,500	42.5	260.7	13,300	45.6	267.5	11,400	48.4	272.5	9,500	51.0	275.8	7,700	195
200	34.9	238.7	14,600*	36.4	243.4	14,800	38.6	249.6	13,700	40.6	255.0	12,500	43.8	262.4	10,600	46.7	267.8	8,800	49.4	271.6	7,000	200
205	32.7	231.2	13,800*	34.3	236.2	14,000	36.5	243.0	12,900	38.7	248.9	11,800	41.9	256.9	9,900	45.0	262.9	8,100	47.7	267.1	6,400	205
210	30.3	222.9	13,000*	32.0	228.5	13,200	34.4	235.9	12,100	36.6	242.3	11,000	40.0	251.1	9,300	43.1	257.7	7,500	46.0	262.4	5,800	210
215	27.7	213.7	12,300*	29.5	220.0	12,500	32.1	228.2	11,400	34.4	235.2	10,400	38.0	244.9	8,600	41.3	252.1	6,900	44.2	257.3	5,200	215
220	24.8	203.5	11,600*	26.9	210.5	11,700	29.6	219.7	10,700	32.1	227.5	9,700	36.0	238.2	8,000	39.3	246.2	6,300	42.4	252.0	4,700	220
225	21.6	191.6	10,900*	23.9	199.8	11,100	27.0	210.3	10,100	29.7	219.1	9,100	33.8	230.9	7,400	37.3	239.8	5,800	40.5	246.3	4,200	225
230	17.9	177.5	10,300*	20.6	187.4	10,400	24.0	199.6	9,400	27.1	209.7	8,500	31.4	223.0	6,800	35.2	232.9	5,300				230
235	13.2	159.1	8,800*	16.6	172.2	9,800	20.7	187.3	8,800	24.1	199.1	7,900	28.9	214.3	6,300	33.0	225.4	4,800				235
240	4.9	126.5	6,400*	11.3	151.6	8,700*	16.8	172.3	8,200	20.8	186.8	7,300	26.2	204.5	5,800	30.6	217.2	4,300				240
245							11.6	152.0	7,600	16.9	171.9	6,800	23.2	193.5	5,300							245
250										11.8	151.9	6,200	19.7	180.6	4,800							250
255													15.5	164.5	4,300							255



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

100 Ft. Boom, 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			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	
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	34,900*													105
110	65.9	326.5	30,300*	66.8	327.8	35,000*	68.1	329.4	34,600*													110
115	64.6	324.2	29,900*	65.5	325.6	34,700*	66.8	327.3	34,300*													115
120	63.2	321.7	29,600*	64.2	323.2	34,300*	65.5	325.0	34,000*	66.9	326.5	33,200										120
125	61.9	319.1	29,300*	62.8	320.7	34,000*	64.2	322.7	33,000	65.6	324.2	31,000										125
130	60.5	316.3	29,000*	61.5	318.0	32,700	62.9	320.1	30,900	64.3	321.9	29,000										130
135	59.1	313.3	27,900*	60.1	315.1	30,800	61.5	317.5	29,000	62.9	319.3	27,200										135
140	57.7	310.2	26,800*	58.7	312.2	28,900	60.1	314.6	27,200	61.6	316.7	25,500										140
145	56.3	306.9	25,700*	57.3	309.0	27,200	58.8	311.7	25,500	60.2	313.9	23,900	62.5	316.5	21,200							145
150	54.8	303.5	24,700*	55.9	305.7	25,600	57.3	308.5	24,000	58.8	310.9	22,400	61.1	313.7	19,800							150
155	53.4	299.8	23,700*	54.4	302.1	24,100	55.9	305.2	22,600	57.4	307.7	21,100	59.8	310.9	18,500							155
160	51.9	296.0	22,700*	52.9	298.4	22,800	54.5	301.7	21,300	56.0	304.4	19,800	58.4	307.8	17,300							160
165	50.3	291.9	21,400*	51.4	294.5	21,500	53.0	297.9	20,000	54.5	300.9	18,600	57.0	304.6	16,200							165
170	48.7	287.6	20,100*	49.8	290.3	20,300	51.4	294.0	18,900	53.0	297.2	17,500	55.5	301.3	15,200	57.9	303.9	12,900				170
175	47.1	283.0	19,000*	48.2	285.9	19,100	49.9	289.9	17,800	51.5	293.3	16,400	54.0	297.7	14,200	56.5	300.7	12,000				175
180	45.5	278.2	17,900*	46.6	281.3	18,000	48.3	285.5	16,700	49.9	289.1	15,400	52.6	293.9	13,300	55.0	297.2	11,200				180
185	43.7	273.0	16,900*	44.9	276.4	17,000	46.7	280.9	15,700	48.4	284.8	14,500	51.0	289.9	12,400	53.5	293.6	10,300				185
190	42.0	267.6	15,900*	43.2	271.2	16,100	45.0	276.0	14,800	46.7	280.1	13,600	49.5	285.7	11,600	52.0	289.8	9,600				190
195	40.2	261.8	15,000*	41.4	265.6	15,200	43.3	270.8	14,000	45.1	275.2	12,800	47.9	281.3	10,800	50.5	285.7	8,800	52.9	288.6	7,000	195
200	38.3	255.6	14,100*	39.6	259.7	14,300	41.5	265.2	13,100	43.3	270.0	12,000	46.2	276.6	10,000	48.9	281.4	8,100	51.4	284.6	6,300	200
205	36.3	249.0	13,300*	37.7	253.4	13,500	39.7	259.3	12,300	41.6	264.5	11,200	44.5	271.6	9,300	47.3	276.9	7,500	49.9	280.5	5,700	205
210	34.2	241.8	12,500*	35.6	246.6	12,700	37.7	253.0	11,600	39.7	258.6	10,500	42.8	266.3	8,700	45.7	272.1	6,900	48.3	276.1	5,100	210
215	32.0	234.0	11,800*	33.5	239.2	12,000	35.7	246.2	10,900	37.8	252.3	9,800	41.0	260.7	8,000	43.9	267.0	6,300	46.6	271.5	4,600	215
220	29.6	225.5	11,100*	31.3	231.3	11,200	33.6	238.9	10,200	35.8	245.6	9,100	39.1	254.7	7,400	42.2	261.6	5,700	45.0	266.5	4,000	220
225	27.1	216.2	10,400*	28.9	222.5	10,600	31.4	231.0	9,500	33.7	238.3	8,500	37.2	248.2	6,800	40.4	255.8	5,200				225
230	24.3	205.6	9,800*	26.3	212.8	9,900	29.0	222.3	8,900	31.4	230.4	7,900	35.2	241.3	6,300	38.5	249.7	4,600				230
235	21.2	193.5	9,200*	23.4	201.9	9,300	26.4	212.6	8,300	29.1	221.7	7,300	33.0	233.9	5,700	36.5	243.1	4,100				235
240	17.5	179.0	8,600*	20.1	189.1	8,700	23.5	201.7	7,700	26.5	212.1	6,800	30.7	225.7	5,200							240
245	12.9	160.2	7,200*	16.2	173.6	8,100	20.3	189.1	7,200	23.6	201.2	6,200	28.3	216.8	4,700							245
250	4.8	126.9	4,900*	11.1	152.6	7,000*	16.4	173.7	6,600	20.4	188.6	5,700	25.6	206.8	4,200							250
255							11.3	153.0	6,100	16.6	173.4	5,200										255
260										11.5	152.9	4,700										260



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

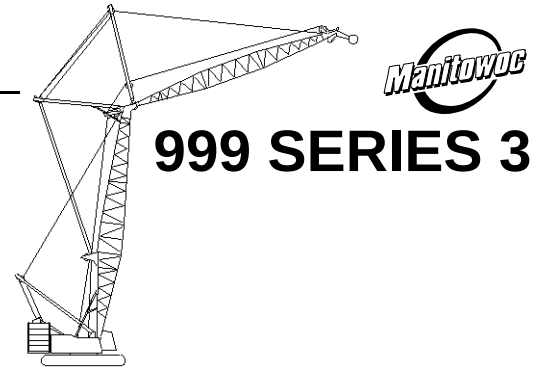


110 Ft. Boom, 70 Ft. Jib

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	126,900*b													50
55	52.2	172.5	101,900*	56.1	175.1	107,500*	61.7	178.1	116,700*b	66.9	180.0	125,600b										55
60	46.7	168.1	95,000*	51.0	171.3	99,800*	56.8	175.0	107,800*	62.3	177.5	112,300b										60
65	40.7	162.7	88,900*	45.4	166.7	93,100*	51.7	171.2	100,100*	57.5	174.4	101,500										65
70	33.8	155.8	83,700*	39.2	160.9	87,300*	46.2	166.7	93,300*	52.5	170.8	92,400	61.7	174.8	88,300b							70
75	25.2	146.6	79,300*	31.9	153.7	82,200*	40.1	161.2	86,900	47.0	166.4	84,700	56.9	171.7	81,000							75
80	11.2	130.4	63,200*	22.7	143.5	77,900*	33.1	154.2	80,100	41.0	161.0	78,100	51.7	168.0	74,700							80
85							24.2	144.6	74,200	34.1	154.3	72,300	46.2	163.5	69,200	56.0	168.0	66,000				85
90							8.9	126.6	65,400*	25.6	145.2	67,300	40.1	157.9	64,400	50.8	164.2	61,400				90
95										12.2	129.7	62,700	33.1	150.9	60,100	45.2	159.5	57,300				95
100													24.2	141.4	56,200	38.9	153.7	53,700	49.5	159.3	51,200	100
105													8.9	123.4	52,700	31.7	146.4	50,400	43.7	154.4	48,100	105
110																22.3	136.1	47,400	37.3	148.3	45,300	110
115																			29.7	140.4	42,700	115
120																			19.4	128.9	40,300	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	123,500*b													50
55	57.6	184.9	99,400*	60.9	187.0	105,000*	65.5	189.3	113,900*b													55
60	53.2	181.3	92,600*	56.6	183.8	97,500*	61.5	186.7	105,400*	66.0	188.7	111,800b										60
65	48.6	177.1	86,700*	52.2	180.1	91,000*	57.3	183.6	98,000*	62.0	186.1	101,000										65
70	43.5	172.1	81,500*	47.4	175.8	85,200*	52.8	180.0	91,400*	57.8	183.1	91,900										70
75	37.9	166.1	76,900*	42.3	170.6	80,200*	48.1	175.8	85,600*	53.4	179.6	84,300	61.5	183.5	80,400							75
80	31.5	158.7	72,900*	36.5	164.3	75,700*	43.0	170.7	79,800	48.8	175.4	77,700	57.3	180.4	74,100							80
85	23.4	148.6	69,400*	29.8	156.3	71,700*	37.4	164.6	74,000	43.7	170.5	72,000	52.8	176.8	68,700							85
90	10.4	131.2	56,100*	21.1	145.4	68,400*	30.8	156.9	68,800	38.2	164.5	67,000	48.1	172.5	63,900	56.5	176.7	60,800				90
95							22.6	146.6	64,200	31.8	157.1	62,500	43.0	167.5	59,700	52.0	173.0	56,800				95
100							8.2	127.2	58,200*	23.9	147.3	58,500	37.4	161.4	55,900	47.2	168.6	53,200				100
105										11.4	130.6	54,900	30.8	153.7	52,500	42.1	163.4	50,000	50.9	168.2	47,500	105
110													22.6	143.4	49,400	36.3	157.0	47,000	46.0	163.6	44,700	110
115													8.3	124.0	46,500	29.5	149.0	44,400	40.7	158.1	42,200	115
120																20.8	137.9	41,900	34.7	151.4	39,900	120
125																			27.6	142.9	37,700	125
130																			18.0	130.4	35,700	130



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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*b	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	111,400*b													55
60	57.9	193.6	90,800*	60.8	195.6	95,700*	64.9	198.0	103,400*													60
65	54.0	190.1	85,000*	57.0	192.5	89,300*	61.3	195.4	96,300*	65.4	197.4	100,700										65
70	49.9	186.1	79,900*	53.1	188.9	83,700*	57.6	192.3	89,900*	61.8	194.8	91,600										70
75	45.6	181.4	75,300*	48.9	184.7	78,700*	53.7	188.8	84,200*	58.1	191.8	84,000										75
80	40.9	175.9	71,300*	44.5	179.9	74,300*	49.6	184.7	79,200*	54.2	188.3	77,400	61.3	192.1	73,800							80
85	35.6	169.4	67,700*	39.7	174.2	70,300*	45.2	180.0	73,800	50.1	184.3	71,700	57.6	189.1	68,400							85
90	29.6	161.3	62,700*	34.3	167.4	66,800*	40.4	174.4	68,600	45.8	179.7	66,700	53.7	185.6	63,600							90
95	22.0	150.6	58,800*	28.0	158.8	63,600*	35.1	167.8	64,100	41.1	174.3	62,300	49.6	181.5	59,400	56.9	185.4	56,400				95
100	9.8	132.0	49,400*	19.9	147.1	58,800*	29.0	159.5	60,000	35.9	167.8	58,400	45.2	176.7	55,600	52.9	181.8	52,900				100
105							21.2	148.4	56,400	29.9	159.8	54,800	40.4	171.2	52,200	48.8	177.6	49,700				105
110							7.7	127.8	50,600*	22.4	149.2	51,600	35.1	164.5	49,200	44.3	172.7	46,800	52.0	177.0	44,400	110
115										10.7	131.5	48,600	29.0	156.3	46,400	39.5	167.0	44,100	47.7	172.6	41,900	115
120													21.2	145.2	43,900	34.1	160.1	41,700	43.2	167.6	39,600	120
125													7.7	124.6	41,400	27.7	151.5	39,500	38.3	161.6	37,500	125
130																19.5	139.6	37,400	32.7	154.4	35,500	130
135																			26.0	145.2	33,700	135
140																			16.9	131.9	32,000	140

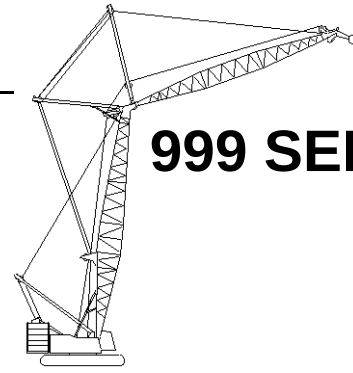


Liftcrane Luffing Jib Capacities

999 SERIES 3

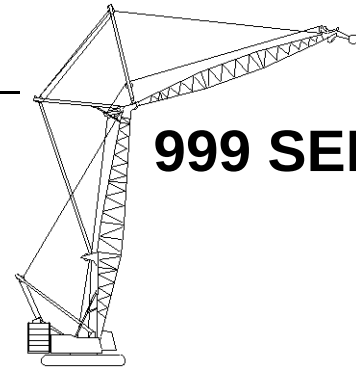
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	108,400*b													55
60	61.5	205.2	88,600*	63.9	207.0	93,400*	67.6	209.0	100,900*													60
65	58.1	202.2	83,000*	60.7	204.3	87,300*	64.4	206.7	94,100*	68.0	208.3	100,100										65
70	54.6	198.8	78,000*	57.3	201.2	81,900*	61.2	204.0	88,000*	64.8	206.1	91,100										70
75	51.0	194.9	73,600*	53.8	197.7	77,000*	57.8	201.0	82,500*	61.6	203.4	83,500										75
80	47.2	190.5	69,600*	50.1	193.7	72,700*	54.3	197.5	77,600*	58.3	200.5	76,900										80
85	43.1	185.4	66,000*	46.3	189.1	68,700*	50.7	193.6	73,200*	54.8	197.1	71,300	61.2	200.8	67,800							85
90	38.6	179.4	61,300*	42.1	183.8	65,200*	46.8	189.1	68,200	51.2	193.2	66,300	57.8	197.8	63,000							90
95	33.7	172.4	56,600*	37.5	177.6	62,000*	42.7	183.9	63,700	47.4	188.8	61,900	54.3	194.3	58,800							95
100	28.0	163.8	52,700*	32.4	170.3	58,700*	38.2	177.9	59,700	43.3	183.7	58,000	50.7	190.4	55,100	57.2	194.1	52,300				100
105	20.8	152.4	49,900*	26.5	161.2	54,800*	33.2	170.8	56,100	38.9	177.8	54,500	46.8	185.9	51,800	53.7	190.6	49,100				105
110	9.2	132.8	43,000*	18.8	148.7	50,900*	27.4	162.0	52,800	33.9	170.9	51,300	42.7	180.7	48,700	50.0	186.5	46,200				110
115							20.1	150.2	49,800	28.3	162.3	48,400	38.2	174.7	46,000	46.1	181.9	43,600	52.8	185.8	41,300	115
120							7.3	128.4	44,100*	21.2	151.1	45,700	33.2	167.5	43,500	41.9	176.6	41,200	49.1	181.6	39,000	120
125										10.1	132.3	43,200	27.4	158.7	41,200	37.4	170.4	39,000	45.1	176.8	36,900	125
130													20.1	147.0	39,000	32.2	163.0	37,000	40.9	171.3	35,000	130
135													7.3	125.2	37,000	26.2	153.8	35,200	36.2	164.9	33,200	135
140																18.5	141.2	33,400	30.9	157.1	31,600	140
145																			24.6	147.3	30,100	145
150																			16.0	133.3	28,600	150



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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*																			40
45	72.7	222.7	106,600*																			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	98,300*													60
65	61.3	213.9	81,200*	63.6	215.7	85,400*	66.9	217.7	92,000*													65
70	58.3	210.9	76,400*	60.6	213.0	80,200*	64.0	215.4	86,200*	67.3	217.1	91,000										70
75	55.2	207.5	72,100*	57.6	209.9	75,500*	61.1	212.7	80,900*	64.4	214.7	83,400										75
80	51.9	203.8	68,200*	54.4	206.4	71,300*	58.0	209.7	76,200*	61.5	212.1	76,800										80
85	48.5	199.5	64,600*	51.1	202.5	67,500*	54.9	206.3	71,900*	58.4	209.1	71,100										85
90	44.8	194.7	61,000*	47.6	198.1	64,000*	51.6	202.4	68,000*	55.3	205.8	66,200	61.1	209.5	62,900							90
95	41.0	189.1	56,100*	44.0	193.1	60,800*	48.1	198.1	63,600	52.0	202.0	61,800	58.0	206.4	58,700							95
100	36.7	182.8	51,900*	40.0	187.5	57,900*	44.5	193.2	59,600	48.6	197.8	57,900	54.9	203.0	55,000							100
105	32.1	175.3	48,300*	35.7	180.9	54,700*	40.6	187.7	56,000	45.0	193.0	54,400	51.6	199.2	51,600	57.5	202.8	48,900				105
110	26.6	166.2	45,300*	30.9	173.1	51,200*	36.3	181.2	52,800	41.1	187.5	51,200	48.1	194.9	48,600	54.3	199.3	46,100				110
115	19.8	154.1	43,100*	25.2	163.4	48,100*	31.6	173.6	49,800	37.0	181.2	48,400	44.5	190.0	45,900	51.0	195.4	43,500				115
120	8.8	133.5	38,100*	17.9	150.3	44,800*	26.1	164.3	47,100	32.3	173.8	45,700	40.6	184.4	43,400	47.5	191.0	41,100				120
125							19.1	151.8	44,600	26.9	164.7	43,300	36.4	178.0	41,100	43.8	186.0	38,900	50.2	190.5	36,800	125
130							6.9	129.0	39,100*	20.2	152.9	41,100	31.6	170.4	39,000	39.9	180.3	36,900	46.6	186.0	34,900	130
135										9.6	133.1	39,000	26.1	161.0	37,100	35.5	173.6	35,100	42.9	180.8	33,100	135
140													19.1	148.6	35,300	30.7	165.8	33,400	38.9	174.9	31,500	140
145													6.9	125.8	33,500	25.0	156.0	31,800	34.4	168.0	30,000	145
150																17.6	142.7	30,300	29.4	159.8	28,600	150
155																			23.4	149.4	27,300	155
160																			15.2	134.6	26,000	160

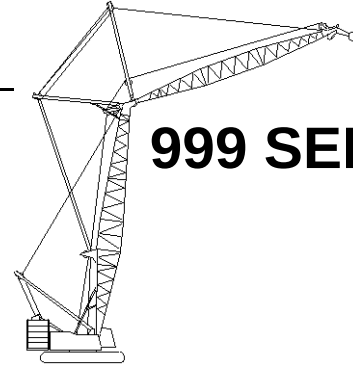


Liftcrane Luffing Jib Capacities

999 SERIES 3

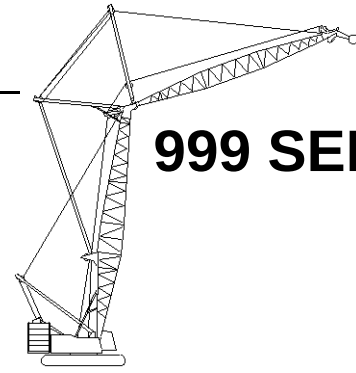
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	89,600*													65
70	61.2	222.6	74,600*	63.3	224.3	78,300*	66.3	226.4	84,100*													70
75	58.4	219.6	70,400*	60.6	221.6	73,800*	63.7	224.0	79,100*	66.7	225.8	82,800										75
80	55.6	216.3	66,600*	57.8	218.6	69,700*	61.0	221.4	74,600*	64.0	223.4	76,300										80
85	52.6	212.6	63,200*	54.9	215.1	66,000*	58.2	218.3	70,400*	61.3	220.8	70,600										85
90	49.5	208.4	60,000*	51.9	211.3	62,600*	55.3	215.0	66,600*	58.6	217.8	65,700										90
95	46.3	203.8	55,700*	48.8	207.1	59,500*	52.3	211.3	63,200*	55.7	214.5	61,300	61.0	218.1	58,200							95
100	42.8	198.6	51,500*	45.5	202.4	56,600*	49.2	207.1	59,200	52.7	210.8	57,400	58.2	215.1	54,400							100
105	39.1	192.7	47,700*	42.0	197.0	54,000*	46.0	202.4	55,600	49.6	206.7	53,900	55.3	211.8	51,100							105
110	35.1	186.0	44,400*	38.2	190.9	50,900*	42.5	197.2	52,400	46.4	202.1	50,800	52.3	208.0	48,100	57.7	211.5	45,500				110
115	30.6	178.0	41,600*	34.1	183.9	47,700*	38.8	191.2	49,500	43.0	196.9	47,900	49.2	203.8	45,400	54.8	208.0	42,900				115
120	25.4	168.4	39,300*	29.5	175.7	44,800*	34.7	184.4	46,800	39.3	191.1	45,300	46.0	199.2	42,900	51.8	204.2	40,500				120
125	19.0	155.8	37,600*	24.1	165.5	42,200*	30.2	176.3	44,300	35.3	184.4	43,000	42.5	193.9	40,700	48.6	200.0	38,400				125
130	8.4	134.2	33,500*	17.1	151.8	39,400*	24.9	166.5	42,100	30.9	176.5	40,800	38.8	188.0	38,600	45.3	195.2	36,400	51.0	199.4	34,300	130
135				18.3	153.4	40,000	18.3	153.4	40,000	25.7	167.0	38,700	34.7	181.1	36,700	41.8	189.8	34,600	47.9	195.0	32,600	135
140				6.6	129.5	34,600*	19.3	154.5	36,800	19.3	154.5	36,800	30.2	173.1	34,900	38.1	183.7	32,900	44.5	190.1	31,000	140
145							9.1	133.9	35,000	24.9	163.2	33,200	34.0	176.7	31,300	41.0	184.6	29,500				145
150										18.3	150.2	31,600	29.3	168.4	29,900	37.1	178.3	28,100				150
155										6.6	126.3	30,100	23.9	158.1	28,500	32.9	171.0	26,800				155
160													16.8	144.2	27,200	28.1	162.3	25,600				160
165																22.4	151.3	24,400				165
170																14.6	135.8	23,300				170



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	87,400*													65
70	63.6	233.9	73,100*	65.5	235.5	76,800*	68.3	237.3	82,300*													70
75	61.1	231.2	69,000*	63.0	233.0	72,400*	65.9	235.2	77,600*													75
80	58.6	228.2	65,400*	60.5	230.3	68,500*	63.4	232.7	73,200*	66.2	234.5	75,900										80
85	55.9	225.0	62,000*	57.9	227.2	64,900*	60.9	230.0	69,200*	63.7	232.1	70,300										85
90	53.2	221.3	58,900*	55.3	223.9	61,500*	58.3	227.0	65,600*	61.2	229.4	65,300										90
95	50.4	217.3	55,300*	52.5	220.1	58,500*	55.7	223.7	62,200*	58.7	226.5	61,000										95
100	47.4	212.9	51,100*	49.7	216.0	55,700*	52.9	220.0	58,900	56.0	223.2	57,100	60.9	226.8	54,100							100
105	44.3	207.9	47,500*	46.7	211.5	53,200*	50.1	216.0	55,300	53.3	219.6	53,600	58.3	223.8	50,700							105
110	41.0	202.4	44,200*	43.6	206.4	50,500*	47.1	211.5	52,100	50.5	215.6	50,400	55.7	220.5	47,700							110
115	37.5	196.1	41,200*	40.2	200.7	47,300*	44.0	206.5	49,200	47.6	211.2	47,600	53.0	216.8	45,000	57.9	220.1	42,500				115
120	33.7	189.0	38,600*	36.6	194.3	44,400*	40.7	200.9	46,500	44.5	206.2	45,000	50.1	212.7	42,600	55.2	216.8	40,200				120
125	29.4	180.7	36,400*	32.7	186.9	41,800*	37.2	194.6	44,100	41.2	200.7	42,600	47.2	208.3	40,300	52.4	213.0	38,000				125
130	24.4	170.6	34,600*	28.3	178.2	39,500*	33.3	187.4	41,800	37.7	194.5	40,500	44.0	203.3	38,200	49.6	208.9	36,000				130
135	18.2	157.3	33,200*	23.1	167.5	37,300*	29.0	178.9	39,700	33.9	187.4	38,500	40.7	197.7	36,300	46.6	204.3	34,200	51.8	208.2	32,200	135
140	8.0	134.8	29,700*	16.4	153.2	34,800*	23.9	168.6	37,500*	29.6	179.2	36,600	37.2	191.4	34,600	43.5	199.2	32,500	48.9	204.0	30,600	140
145							17.5	155.0	35,500*	24.7	169.2	34,900	33.3	184.1	32,900	40.1	193.5	31,000	45.9	199.3	29,100	145
150							6.3	130.0	30,700*	18.5	156.1	33,200	29.0	175.7	31,400	36.5	187.0	29,500	42.7	194.0	27,700	150
155										8.8	134.6	31,700	23.9	165.4	29,900	32.6	179.6	28,200	39.3	188.2	26,400	155
160													17.5	151.7	28,600	28.1	170.9	26,900	35.6	181.5	25,200	160
165													6.3	126.8	27,200	22.9	160.1	25,700	31.5	173.8	24,100	165
170																16.1	145.5	24,500	26.9	164.7	23,000	170
175																			21.4	153.2	22,000	175
180																			14.0	137.0	21,000	180



Liftcrane Luffing Jib Capacities

999 SERIES 3

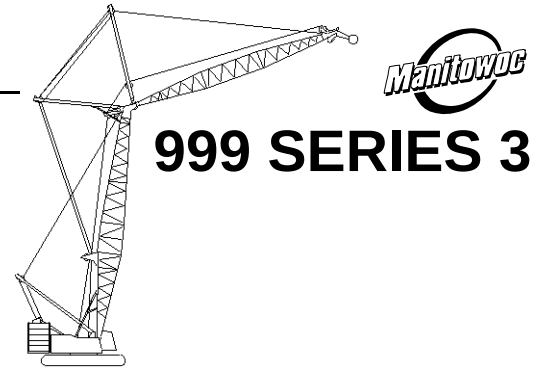
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	80,000*													70
75	63.4	242.6	67,300*	65.1	244.2	70,700*	67.7	246.1	75,600*													75
80	61.0	239.9	63,800*	62.8	241.7	66,900*	65.4	243.9	71,500*	68.0	245.4	75,400										80
85	58.7	236.9	60,600*	60.5	238.9	63,400*	63.2	241.4	67,700*	65.7	243.2	69,800										85
90	56.2	233.7	57,600*	58.1	235.9	60,200*	60.8	238.7	64,100*	63.5	240.8	64,800										90
95	53.7	230.1	54,600*	55.6	232.6	57,200*	58.4	235.7	60,900*	61.2	238.1	60,500										95
100	51.1	226.2	50,800*	53.1	228.9	54,500*	56.0	232.4	57,900*	58.8	235.1	56,600										100
105	48.4	221.8	47,100*	50.5	224.9	52,000*	53.5	228.8	54,900	56.3	231.9	53,100	60.8	235.4	50,200							105
110	45.6	217.1	43,900*	47.8	220.5	49,700*	50.9	224.8	51,700	53.8	228.3	50,000	58.4	232.5	47,200							110
115	42.6	211.8	41,000*	44.9	215.6	46,800*	48.2	220.5	48,700	51.2	224.4	47,100	56.0	229.2	44,500							115
120	39.5	206.0	38,300*	41.9	210.2	43,900*	45.3	215.7	46,100	48.5	220.1	44,600	53.5	225.6	42,100	58.0	228.8	39,600				120
125	36.1	199.4	36,000*	38.7	204.2	41,300*	42.3	210.4	43,600	45.7	215.4	42,200	50.9	221.6	39,800	55.5	225.5	37,400				125
130	32.4	191.9	33,900*	35.2	197.5	38,900*	39.2	204.5	41,400	42.7	210.2	40,000	48.2	217.3	37,700	53.0	221.8	35,500				130
135	28.3	183.2	32,100*	31.5	189.7	36,800*	35.8	197.8	39,300*	39.6	204.3	38,000	45.3	212.5	35,800	50.4	217.8	33,700				135
140	23.5	172.6	30,600*	27.2	180.6	34,800*	32.0	190.2	37,000*	36.2	197.8	36,200	42.3	207.2	34,100	47.7	213.3	32,000	52.4	217.0	30,000	140
145	17.5	158.9	29,600*	22.2	169.5	32,900*	27.9	181.4	35,000*	32.6	190.4	34,500	39.2	201.2	32,500	44.8	208.5	30,500	49.7	212.9	28,500	145
150	7.7	135.5	26,200*	15.8	154.5	30,700*	23.0	170.6	33,100*	28.5	181.7	32,900	35.8	194.6	30,900	41.8	203.1	29,000	47.0	208.4	27,100	150
155							16.9	156.4	31,400*	23.7	171.2	31,400	32.0	187.0	29,500	38.6	197.0	27,700	44.1	203.4	25,900	155
160							6.0	130.5	27,100*	17.8	157.7	29,900	27.9	178.1	28,200	35.1	190.2	26,400	41.0	197.8	24,700	160
165										8.4	135.3	28,600	23.0	167.4	26,900	31.3	182.4	25,200	37.8	191.6	23,600	165
170													16.9	153.2	25,700	27.1	173.3	24,100	34.2	184.6	22,500	170
175													6.0	127.3	24,500	22.0	162.1	23,000	30.3	176.5	21,500	175
180																15.5	146.9	22,000	25.9	166.9	20,600	180
185																			20.6	155.0	19,700	185
190																			13.4	138.1	18,800	190



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	72,900*																70
75	65.3	253.7	65,800*	66.9	255.2	69,000*	69.2	256.9	73,700*													75
80	63.1	251.2	62,400*	64.8	252.9	65,300*	67.2	254.8	69,300													80
85	61.0	248.5	59,200*	62.6	250.4	62,000*	65.1	252.6	63,900	67.5	254.1	60,900										85
90	58.8	245.6	56,400*	60.5	247.6	58,900*	63.0	250.1	59,100	65.4	251.9	56,300										90
95	56.5	242.3	53,700*	58.2	244.6	56,100*	60.8	247.3	54,900	63.2	249.4	52,300										95
100	54.1	238.8	50,400*	55.9	241.3	53,400*	58.6	244.4	51,100	61.1	246.8	48,700										100
105	51.7	235.0	47,000*	53.6	237.7	50,100	56.3	241.1	47,700	58.9	243.8	45,400	63.0	246.8	41,600							105
110	49.2	230.8	43,900*	51.2	233.7	46,900	53.9	237.5	44,700	56.6	240.6	42,500	60.8	244.1	38,900							110
115	46.6	226.2	41,000*	48.6	229.5	44,100	51.5	233.7	42,000	54.3	237.1	39,900	58.6	241.1	36,400							115
120	43.9	221.2	38,400*	46.0	224.8	41,500	49.0	229.4	39,500	51.8	233.2	37,500	56.3	237.9	34,200							120
125	41.1	215.6	36,000*	43.3	219.6	39,100	46.4	224.8	37,200	49.4	229.1	35,300	53.9	234.3	32,100							125
130	38.1	209.4	33,900*	40.4	213.9	36,900	43.7	219.7	35,100	46.8	224.5	33,200	51.5	230.4	30,200	55.9	234.2	27,300				130
135	34.8	202.5	31,900*	37.3	207.6	34,900	40.8	214.1	33,100	44.1	219.5	31,400	49.0	226.2	28,500	53.5	230.6	25,700				135
140	31.2	194.7	30,200*	34.0	200.5	33,000	37.8	207.9	31,300	41.2	214.0	29,700	46.4	221.6	26,900	51.1	226.6	24,200				140
145	27.3	185.6	28,700*	30.4	192.4	31,300	34.5	200.9	29,700	38.2	207.8	28,100	43.7	216.5	25,400	48.5	222.3	22,800	52.9	225.8	20,200	145
150	22.7	174.6	27,500*	26.3	183.0	29,700	30.9	193.0	28,100	35.0	201.0	26,600	40.8	210.9	24,000	45.9	217.6	21,500	50.5	221.8	19,000	150
155	16.9	160.3	26,700*	21.5	171.4	28,100	26.9	183.8	26,700	31.4	193.2	25,200	37.8	204.7	22,700	43.2	212.5	20,300	47.9	217.4	17,900	155
160	7.4	136.1	23,400*	15.2	155.8	26,700	22.2	172.6	25,300	27.5	184.1	23,900	34.5	197.7	21,500	40.3	206.7	19,200	45.3	212.6	16,900	160
165							16.3	157.8	24,000	22.9	173.3	22,600	30.9	189.8	20,400	37.2	200.4	18,100	42.5	207.3	15,900	165
170							5.8	130.9	22,700	17.2	159.2	21,500	26.9	180.5	19,300	33.9	193.3	17,100	39.6	201.4	15,000	170
175										8.1	136.0	20,300	22.2	169.3	18,200	30.2	185.1	16,200	36.4	194.9	14,100	175
180													16.3	154.6	17,300	26.1	175.6	15,300	33.0	187.6	13,300	180
185													5.8	127.8	16,300	21.3	163.9	14,400	29.3	179.1	12,500	185
190																14.9	148.2	13,600	25.0	169.2	11,700	190
195																			19.9	156.8	11,000	195
200																			13.0	139.3	10,300	200



Liftcrane Luffing Jib Capacities

999 SERIES 3

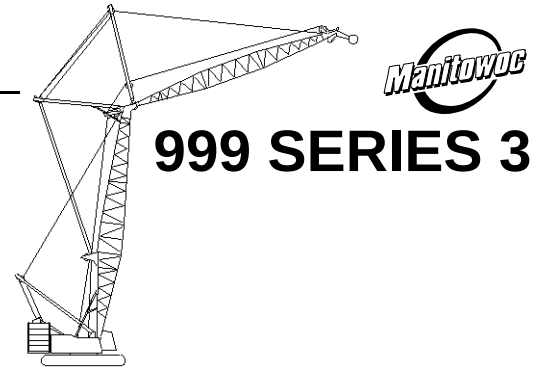
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	67,100*	70.6	267.5	71,500*													75
80	65.0	262.4	60,800*	66.5	263.9	63,700*	68.7	265.6	67,900*													80
85	63.0	259.9	57,800*	64.5	261.6	60,500*	66.7	263.5	63,200													85
90	60.9	257.2	55,000*	62.5	259.0	57,500*	64.8	261.2	58,500	67.0	262.9	55,700										90
95	58.8	254.2	52,400*	60.4	256.3	54,800*	62.8	258.7	54,200	65.0	260.6	51,600										95
100	56.7	251.0	49,500*	58.3	253.2	52,200*	60.7	256.0	50,500	63.0	258.1	48,000										100
105	54.5	247.6	46,400*	56.2	250.0	49,500	58.6	253.0	47,100	61.0	255.4	44,800										105
110	52.3	243.8	43,500*	54.0	246.4	46,400	56.5	249.8	44,100	58.9	252.5	41,900	62.8	255.5	38,200							110
115	50.0	239.7	40,700*	51.7	242.6	43,500	54.3	246.3	41,400	56.8	249.3	39,200	60.7	252.8	35,700							115
120	47.6	235.2	38,200*	49.4	238.4	40,900	52.1	242.5	38,900	54.6	245.8	36,800	58.6	249.8	33,500							120
125	45.1	230.4	35,800*	47.0	233.8	38,600	49.8	238.3	36,600	52.4	242.0	34,600	56.5	246.6	31,400							125
130	42.5	225.1	33,700*	44.5	228.9	36,400	47.3	233.9	34,500	50.1	238.0	32,600	54.3	243.0	29,500							130
135	39.7	219.2	31,800*	41.8	223.5	34,400	44.8	229.0	32,600	47.7	233.5	30,800	52.1	239.2	27,800	56.1	242.9	24,900				135
140	36.8	212.8	30,000*	39.0	217.5	32,500	42.2	223.6	30,800	45.2	228.7	29,100	49.8	235.1	26,200	53.9	239.3	23,400				140
145	33.6	205.6	28,400*	36.1	210.9	30,800	39.5	217.7	29,100	42.6	223.4	27,500	47.3	230.6	24,700	51.7	235.4	22,100				145
150	30.2	197.4	27,000*	32.9	203.5	29,200	36.5	211.2	27,600	39.8	217.6	26,000	44.8	225.7	23,400	49.3	231.3	20,800				150
155	26.4	187.9	25,800*	29.4	195.0	27,700	33.4	203.9	26,100	36.9	211.2	24,600	42.2	220.4	22,100	46.9	226.7	19,600	51.1	230.6	17,200	155
160	21.9	176.5	24,800*	25.4	185.2	26,300	29.9	195.7	24,800	33.8	204.0	23,300	39.5	214.5	20,900	44.4	221.7	18,500	48.7	226.3	16,100	160
165	16.3	161.7	24,100*	20.7	173.2	24,900	26.0	186.1	23,500	30.4	195.9	22,100	36.5	208.0	19,700	41.7	216.3	17,400	46.3	221.7	15,200	165
170	7.2	136.7	20,600*	14.7	157.1	23,700	21.5	174.4	22,300	26.6	186.5	21,000	33.4	200.7	18,700	38.9	210.3	16,400	43.7	216.6	14,300	170
175							15.7	159.2	21,200	22.1	175.2	19,900	29.9	192.4	17,700	36.0	203.7	15,500	41.1	211.0	13,400	175
180							5.6	131.4	20,000	16.6	160.6	18,800	26.0	182.8	16,700	32.8	196.2	14,600	38.2	204.9	12,600	180
185										7.8	136.6	17,800	21.5	171.2	15,800	29.2	187.7	13,800	35.2	198.1	11,800	185
190													15.7	156.0	14,900	25.3	177.8	13,000	31.9	190.4	11,100	190
195													5.6	128.2	14,000	20.6	165.7	12,200	28.3	181.6	10,400	195
200																14.4	149.4	11,500	24.2	171.3	9,700	200
205																			19.3	158.4	9,100	205
210																			12.5	140.3	8,400	210



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	65,400*																75
80	66.5	273.4	58,800*	67.9	274.8	62,200*	70.0	276.4	66,100*													80
85	64.7	271.1	56,500*	66.1	272.6	59,200*	68.2	274.4	62,800													85
90	62.8	268.6	53,900*	64.2	270.3	56,300*	66.4	272.3	58,000													90
95	60.9	265.9	51,400*	62.3	267.7	53,700*	64.5	269.9	53,800	66.6	271.6	51,100										95
100	58.9	262.9	48,500*	60.4	264.9	51,200*	62.6	267.4	50,000	64.8	269.3	47,500										100
105	56.9	259.7	45,600*	58.4	261.9	48,900*	60.7	264.7	46,700	62.9	266.8	44,300										105
110	54.9	256.3	42,900*	56.4	258.7	45,900	58.7	261.7	43,600	60.9	264.1	41,400										110
115	52.8	252.6	40,300*	54.4	255.2	43,100	56.7	258.5	40,900	59.0	261.1	38,700	62.6	264.2	35,200							115
120	50.6	248.5	37,900*	52.3	251.4	40,500	54.7	255.0	38,400	57.0	258.0	36,300	60.7	261.4	32,900							120
125	48.4	244.2	35,600*	50.1	247.3	38,100	52.6	251.3	36,100	55.0	254.5	34,100	58.7	258.4	30,900							125
130	46.1	239.5	33,500*	47.8	242.9	35,900	50.4	247.2	34,000	52.9	250.8	32,100	56.7	255.2	29,000							130
135	43.6	234.4	31,600*	45.5	238.1	33,900	48.2	242.8	32,100	50.7	246.8	30,300	54.7	251.8	27,300							135
140	41.1	228.8	29,900*	43.1	232.9	32,100	45.8	238.1	30,300	48.5	242.5	28,600	52.6	248.0	25,700	56.4	251.6	22,900				140
145	38.5	222.7	28,300*	40.5	227.2	30,400	43.4	233.0	28,700	46.2	237.8	27,000	50.4	244.0	24,200	54.3	248.0	21,500				145
150	35.6	216.0	26,800*	37.8	220.9	28,800	40.9	227.4	27,100	43.8	232.7	25,500	48.2	239.6	22,900	52.2	244.2	20,200				150
155	32.6	208.5	25,500*	34.9	214.1	27,300	38.2	221.2	25,700	41.2	227.2	24,200	45.8	234.9	21,600	50.0	240.1	19,100				155
160	29.3	200.0	24,300*	31.9	206.3	25,900	35.4	214.4	24,400	38.6	221.1	22,900	43.4	229.7	20,400	47.7	235.7	18,000	51.7	239.4	15,600	160
165	25.6	190.2	23,300*	28.5	197.6	24,600	32.3	206.8	23,100	35.8	214.4	21,700	40.9	224.1	19,300	45.4	230.9	16,900	49.5	235.3	14,600	165
170	21.2	178.4	22,500*	24.6	187.4	23,300	29.0	198.3	21,900	32.7	207.0	20,500	38.2	218.0	18,200	43.0	225.7	15,900	47.2	230.7	13,700	170
175	15.8	163.1	21,700*	20.1	175.0	22,100	25.2	188.3	20,800	29.4	198.5	19,500	35.4	211.2	17,200	40.4	220.0	15,000	44.8	225.8	12,900	175
180	6.9	137.2	18,200*	14.3	158.3	21,000	20.8	176.3	19,700	25.7	188.8	18,400	32.3	203.6	16,300	37.7	213.7	14,100	42.4	220.5	12,100	180
185							15.2	160.5	18,700	21.5	177.1	17,500	29.0	195.0	15,400	34.8	206.8	13,300	39.8	214.7	11,300	185
190							5.4	131.8	17,700	16.1	162.0	16,500	25.2	185.1	14,500	31.7	199.1	12,500	37.0	208.3	10,600	190
195										7.6	137.3	15,600	20.8	173.0	13,700	28.3	190.3	11,800	34.1	201.2	9,900	195
200													15.2	157.3	12,900	24.5	180.0	11,100	30.9	193.2	9,200	200
205													5.4	128.7	12,100	19.9	167.5	10,400	27.4	184.1	8,600	205
210																14.0	150.6	9,700	23.5	173.4	8,000	210
215																			18.7	160.1	7,400	215
220																			12.1	141.4	6,800	220

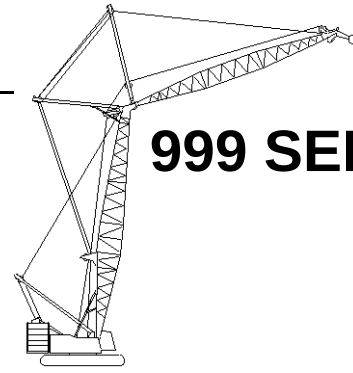


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



110 Ft. Boom, 180 Ft. Jib

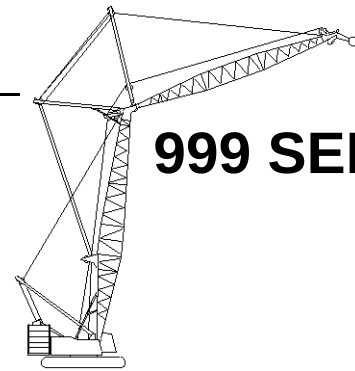
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	60,400*																80
85	66.2	282.1	53,200*	67.5	283.5	57,500*	69.5	285.2	61,000*													85
90	64.4	279.8	52,400*	65.8	281.3	54,800*	67.7	283.2	57,400													90
95	62.6	277.3	49,700*	64.0	278.9	52,300*	66.0	281.0	53,100	68.0	282.5	50,400										95
100	60.8	274.5	47,100*	62.2	276.4	49,900*	64.3	278.6	49,400	66.2	280.3	46,800										100
105	59.0	271.6	44,500*	60.4	273.6	47,700*	62.5	276.1	46,000	64.5	278.0	43,600										105
110	57.1	268.4	42,000*	58.5	270.6	45,400	60.6	273.3	43,000	62.7	275.5	40,700										110
115	55.2	265.0	39,600*	56.6	267.3	42,500	58.8	270.3	40,300	60.9	272.7	38,100										115
120	53.2	261.3	37,400*	54.7	263.9	39,900	56.9	267.2	37,800	59.0	269.8	35,700	62.5	272.8	32,200							120
125	51.2	257.4	35,300*	52.7	260.1	37,600	55.0	263.7	35,500	57.2	266.6	33,500	60.6	270.1	30,200							125
130	49.1	253.1	33,400*	50.7	256.1	35,400	53.0	260.0	33,400	55.2	263.2	31,500	58.8	267.1	28,300							130
135	46.9	248.6	31,500*	48.6	251.8	33,400	51.0	256.1	31,500	53.3	259.6	29,700	56.9	263.9	26,600							135
140	44.7	243.6	29,700*	46.4	247.2	31,500	48.9	251.8	29,800	51.2	255.7	28,000	55.0	260.5	25,000							140
145	42.3	238.3	28,100*	44.1	242.1	29,800	46.7	247.2	28,100	49.2	251.4	26,400	53.0	256.8	23,600	56.6	260.2	20,800				145
150	39.9	232.5	26,700*	41.8	236.7	28,200	44.5	242.2	26,600	47.0	246.9	24,900	51.0	252.8	22,200	54.6	256.8	19,500				150
155	37.3	226.1	25,400*	39.3	230.8	26,700	42.1	236.8	25,100	44.8	242.0	23,600	48.9	248.6	20,900	52.6	253.0	18,300				155
160	34.6	219.1	24,100*	36.7	224.3	25,400	39.7	231.0	23,800	42.5	236.6	22,300	46.7	244.0	19,700	50.6	249.0	17,200				160
165	31.6	211.3	23,000*	33.9	217.1	24,100	37.1	224.6	22,600	40.0	230.8	21,100	44.5	239.0	18,600	48.5	244.7	16,200	52.1	248.2	13,900	165
170	28.4	202.6	22,100*	30.9	209.1	22,800	34.3	217.5	21,400	37.5	224.5	19,900	42.1	233.6	17,600	46.3	240.0	15,200	50.1	244.1	13,000	170
175	24.8	192.4	21,200*	27.6	200.0	21,700	31.4	209.7	20,300	34.7	217.6	18,900	39.7	227.8	16,600	44.1	235.0	14,300	48.0	239.7	12,100	175
180	20.6	180.2	20,500*	23.9	189.5	20,600	28.1	200.8	19,200	31.8	209.8	17,900	37.1	221.4	15,700	41.7	229.5	13,500	45.8	235.0	11,300	180
185	15.4	164.4	19,100*	19.5	176.7	19,500	24.5	190.5	18,200	28.6	201.1	16,900	34.3	214.3	14,800	39.2	223.6	12,700	43.5	229.8	10,600	185
190	6.7	137.8	15,800*	13.8	159.5	18,500	20.2	178.0	17,300	25.0	191.0	16,000	31.4	206.4	13,900	36.6	217.1	11,900	41.1	224.3	9,900	190
195							14.8	161.8	16,300	20.8	178.9	15,100	28.1	197.5	13,100	33.8	209.9	11,100	38.6	218.2	9,200	195
200							5.3	132.3	15,400	15.6	163.4	14,300	24.5	187.2	12,400	30.8	201.8	10,400	36.0	211.5	8,600	200
205										7.4	137.9	13,500	20.2	174.8	11,600	27.5	192.7	9,800	33.1	204.1	7,900	205
210													14.8	158.6	10,900	23.8	182.1	9,100	30.0	195.9	7,400	210
215													5.3	129.1	10,200	19.3	169.2	8,500	26.6	186.4	6,800	215
220																13.6	151.8	7,900	22.8	175.4	6,200	220
225																			18.1	161.7	5,700	225
230																			11.8	142.4	5,200	230



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

110 Ft. Boom, 190 Ft. Jib

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	55,900*	70.6	295.8	54,400*													85
90	65.9	290.8	47,800*	67.1	292.3	53,400*	69.0	294.0	54,300*													90
95	64.2	288.5	47,300*	65.5	290.0	51,000*	67.4	291.9	52,800													95
100	62.5	285.9	45,800*	63.8	287.6	48,700*	65.7	289.7	49,100	67.6	291.2	46,500										100
105	60.8	283.2	43,500*	62.1	285.0	46,600*	64.0	287.3	45,700	65.9	289.0	43,300										105
110	59.0	280.2	41,300*	60.4	282.2	44,600*	62.3	284.7	42,700	64.3	286.7	40,400										110
115	57.2	277.1	39,100*	58.6	279.2	42,200	60.6	282.0	40,000	62.6	284.1	37,800										115
120	55.4	273.7	37,000*	56.8	276.0	39,600	58.9	279.0	37,500	60.8	281.4	35,400										120
125	53.6	270.1	35,100*	55.0	272.6	37,300	57.1	275.8	35,200	59.1	278.5	33,200	62.3	281.5	29,900							125
130	51.6	266.2	33,200*	53.1	268.9	35,100	55.2	272.4	33,200	57.3	275.3	31,200	60.6	278.7	28,000							130
135	49.7	262.0	31,400*	51.2	265.0	33,100	53.4	268.8	31,200	55.5	271.9	29,400	58.9	275.8	26,300							135
140	47.7	257.6	29,800*	49.2	260.8	31,300	51.5	264.9	29,500	53.6	268.3	27,700	57.1	272.6	24,700							140
145	45.6	252.8	28,200*	47.2	256.2	29,600	49.5	260.7	27,800	51.7	264.5	26,100	55.3	269.2	23,300							145
150	43.4	247.6	26,800*	45.1	251.3	28,000	47.5	256.2	26,300	49.8	260.3	24,600	53.4	265.6	21,900	56.7	268.9	19,200				150
155	41.2	242.1	25,400*	42.9	246.1	26,500	45.4	251.4	24,900	47.8	255.9	23,300	51.5	261.7	20,600	54.9	265.5	18,000				155
160	38.8	236.0	24,200*	40.6	240.4	25,100	43.2	246.2	23,500	45.7	251.1	22,000	49.5	257.5	19,400	53.0	261.8	17,000				160
165	36.3	229.4	23,000*	38.2	234.2	23,800	40.9	240.6	22,300	43.5	246.0	20,800	47.5	253.0	18,300	51.1	257.8	15,900				165
170	33.6	222.2	22,000*	35.7	227.5	22,600	38.6	234.5	21,100	41.3	240.4	19,700	45.4	248.2	17,300	49.1	253.6	15,000	52.6	257.0	12,700	170
175	30.8	214.1	21,100*	33.0	220.1	21,400	36.1	227.8	20,000	38.9	234.4	18,600	43.2	243.0	16,300	47.1	249.1	14,000	50.6	253.0	11,800	175
180	27.6	205.0	20,200*	30.1	211.8	20,300	33.4	220.5	19,000	36.4	227.8	17,600	40.9	237.4	15,400	45.0	244.2	13,200	48.7	248.7	11,100	180
185	24.1	194.5	19,400*	26.9	202.4	19,300	30.5	212.4	18,000	33.8	220.6	16,700	38.6	231.3	14,500	42.8	238.9	12,400	46.6	244.1	10,300	185
190	20.1	182.0	18,400*	23.2	191.5	18,300	27.3	203.2	17,100	30.9	212.6	15,800	36.1	224.6	13,700	40.5	233.2	11,600	44.5	239.1	9,600	190
195	14.9	165.7	16,900*	19.0	178.3	17,400	23.8	192.6	16,200	27.8	203.5	14,900	33.4	217.3	12,900	38.1	227.0	10,900	42.3	233.7	8,900	195
200	6.5	138.3	13,900*	13.5	160.7	16,500	19.7	179.8	15,300	24.3	193.1	14,100	30.5	209.2	12,100	35.6	220.3	10,200	40.0	227.9	8,300	200
205							14.4	163.0	14,500	20.3	180.7	13,300	27.3	200.0	11,400	32.9	212.8	9,500	37.5	221.6	7,700	205
210							5.1	132.7	13,600	15.2	164.7	12,600	23.8	189.3	10,700	30.0	204.5	8,900	35.0	214.7	7,100	210
215										7.2	138.5	11,800	19.7	176.5	10,100	26.7	195.1	8,300	32.2	207.0	6,500	215
220													14.4	159.8	9,400	23.1	184.1	7,700	29.2	198.5	6,000	220
225													5.1	129.5	8,700	18.8	170.8	7,100	25.9	188.7	5,500	225
230																13.2	152.9	6,600	22.1	177.3	5,000	230
235																			17.6	163.2	4,500	235
240																			11.5	143.4	4,000	240

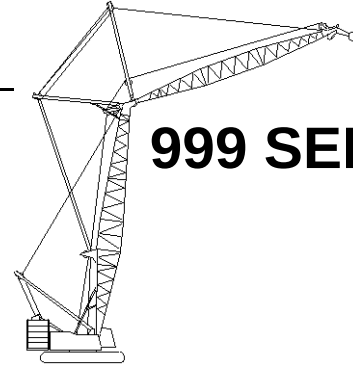


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



110 Ft. Boom, 200 Ft. Jib

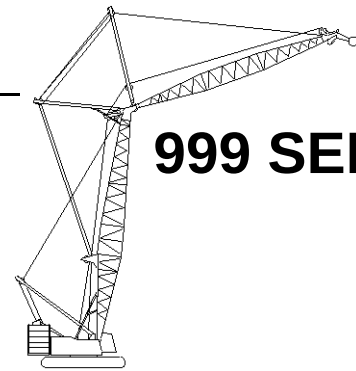
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	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	50,300*	70.1	304.7	48,800*													90
95	65.6	299.6	43,300*	66.8	301.0	49,500*	68.5	302.7	48,600*													95
100	64.0	297.2	42,800*	65.2	298.7	47,400*	67.0	300.6	48,400*													100
105	62.4	294.6	42,000*	63.6	296.3	45,400*	65.4	298.4	45,100	67.2	300.0	42,600										105
110	60.7	291.8	40,000*	62.0	293.7	43,400*	63.8	296.0	42,100	65.6	297.7	39,800										110
115	59.1	288.9	38,100*	60.3	290.9	41,600*	62.2	293.4	39,400	64.0	295.4	37,100										115
120	57.4	285.8	36,200*	58.7	287.9	39,100	60.6	290.6	36,900	62.4	292.8	34,800										120
125	55.7	282.4	34,400*	57.0	284.7	36,700	58.9	287.7	34,700	60.8	290.1	32,600										125
130	53.9	278.8	32,600*	55.2	281.3	34,600	57.2	284.5	32,600	59.1	287.1	30,600	62.2	290.2	27,300							130
135	52.1	275.0	31,000*	53.5	277.7	32,600	55.5	281.1	30,700	57.5	284.0	28,800	60.6	287.4	25,600							135
140	50.2	270.9	29,500*	51.7	273.8	30,700	53.7	277.5	28,900	55.7	280.6	27,100	58.9	284.4	24,100							140
145	48.3	266.6	28,000*	49.8	269.6	29,000	51.9	273.7	27,300	54.0	277.1	25,500	57.2	281.3	22,600							145
150	46.4	261.9	26,600*	47.9	265.2	27,400	50.1	269.6	25,700	52.2	273.3	24,000	55.5	277.9	21,200							150
155	44.4	256.9	25,200*	45.9	260.5	26,000	48.2	265.2	24,300	50.3	269.2	22,700	53.7	274.3	20,000	56.9	277.6	17,300				155
160	42.2	251.5	24,000*	43.9	255.4	24,600	46.2	260.5	23,000	48.4	264.9	21,400	51.9	270.5	18,800	55.2	274.2	16,200				160
165	40.1	245.7	22,900*	41.7	249.9	23,300	44.2	255.5	21,700	46.5	260.2	20,200	50.1	266.4	17,700	53.4	270.6	15,200				165
170	37.8	239.5	21,900*	39.5	244.0	22,100	42.1	250.1	20,600	44.4	255.2	19,100	48.2	262.0	16,600	51.6	266.7	14,300				170
175	35.3	232.6	20,900*	37.2	237.6	20,900	39.9	244.2	19,500	42.3	249.9	18,000	46.2	257.3	15,700	49.7	262.5	13,400	53.0	265.8	11,100	175
180	32.7	225.1	20,000*	34.7	230.6	19,800	37.5	237.9	18,400	40.2	244.1	17,000	44.2	252.3	14,800	47.8	258.1	12,500	51.1	261.8	10,300	180
185	30.0	216.8	19,000*	32.1	223.0	18,800	35.1	231.0	17,500	37.9	237.8	16,100	42.1	246.8	13,900	45.8	253.3	11,700	49.3	257.6	9,600	185
190	26.9	207.4	18,000*	29.3	214.4	17,800	32.5	223.4	16,500	35.4	231.0	15,200	39.9	241.0	13,100	43.8	248.2	10,900	47.3	253.1	8,900	190
195	23.5	196.6	17,100*	26.2	204.7	16,900	29.7	215.0	15,600	32.9	223.6	14,400	37.5	234.7	12,300	41.7	242.7	10,200	45.4	248.3	8,200	195
200	19.5	183.7	16,200*	22.6	193.5	16,000	26.6	205.6	14,800	30.1	215.3	13,600	35.1	227.8	11,500	39.4	236.8	9,500	43.3	243.1	7,600	200
205	14.5	167.0	14,700*	18.5	179.9	15,200	23.2	194.6	14,000	27.1	205.9	12,800	32.5	220.2	10,800	37.1	230.4	8,900	41.1	237.5	7,000	205
210	6.4	138.9	12,000*	13.1	161.8	14,400	19.1	181.4	13,200	23.7	195.2	12,100	29.7	211.8	10,100	34.6	223.4	8,300	38.9	231.5	6,400	210
215							14.0	164.2	12,500	19.7	182.4	11,400	26.6	202.3	9,500	32.0	215.7	7,700	36.5	224.9	5,900	215
220							5.0	133.1	11,700	14.8	166.0	10,700	23.2	191.4	8,900	29.2	207.1	7,100	34.0	217.7	5,300	220
225										7.0	139.0	10,000	19.1	178.2	8,300	26.0	197.4	6,500	31.4	209.8	4,800	225
230													14.0	161.0	7,700	22.5	186.1	6,000	28.4	201.0	4,400	230
235													5.0	129.9	7,100	18.3	172.4	5,500				235
240																12.9	154.0	5,000				240



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

110 Ft. Boom, 210 Ft. Jib

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	75.5	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	45,100*	69.6	313.5	43,800*													95
100	65.3	308.3	38,900*	66.5	309.7	44,700*	68.1	311.5	43,600*													100
105	63.8	305.8	38,600*	65.0	307.4	44,200*	66.7	309.4	43,300*													105
110	62.3	303.3	38,200*	63.4	305.0	42,400*	65.2	307.1	41,600	66.9	308.7	39,200										110
115	60.7	300.5	36,900*	61.9	302.3	40,700*	63.7	304.7	38,900	65.4	306.5	36,600										115
120	59.1	297.6	35,200*	60.3	299.5	38,600	62.1	302.1	36,400	63.9	304.0	34,200										120
125	57.5	294.4	33,600*	58.7	296.6	36,300	60.6	299.3	34,200	62.3	301.5	32,100										125
130	55.9	291.1	32,000*	57.1	293.4	34,100	59.0	296.3	32,100	60.8	298.7	30,100										130
135	54.2	287.6	30,500*	55.5	290.0	32,100	57.4	293.2	30,200	59.2	295.8	28,300	62.1	298.8	25,100							135
140	52.5	283.8	29,000*	53.8	286.4	30,300	55.7	289.8	28,400	57.6	292.7	26,600	60.6	296.1	23,500							140
145	50.7	279.8	27,600*	52.1	282.6	28,600	54.0	286.3	26,800	55.9	289.3	25,000	59.0	293.1	22,100							145
150	48.9	275.5	26,300*	50.3	278.5	27,000	52.3	282.5	25,200	54.3	285.8	23,500	57.4	290.0	20,700							150
155	47.1	270.9	25,100*	48.5	274.2	25,500	50.6	278.5	23,800	52.6	282.0	22,200	55.7	286.6	19,400							155
160	45.2	266.1	23,900*	46.7	269.6	24,100	48.8	274.2	22,500	50.8	278.0	20,900	54.0	283.0	18,300	57.1	286.3	15,700				160
165	43.2	260.9	22,800*	44.7	264.6	22,800	46.9	269.6	21,300	49.0	273.8	19,700	52.3	279.3	17,200	55.4	282.9	14,700				165
170	41.2	255.3	21,700*	42.8	259.3	21,600	45.0	264.7	20,100	47.2	269.2	18,600	50.6	275.2	16,100	53.7	279.3	13,700				170
175	39.0	249.3	20,700*	40.7	253.7	20,500	43.0	259.4	19,000	45.3	264.4	17,600	48.8	270.9	15,200	52.0	275.5	12,800				175
180	36.8	242.8	19,600*	38.5	247.5	19,400	41.0	253.8	18,000	43.3	259.2	16,600	46.9	266.3	14,200	50.3	271.4	12,000				180
185	34.4	235.7	18,500*	36.3	240.9	18,400	38.8	247.8	17,000	41.3	253.6	15,600	45.0	261.5	13,400	48.4	267.0	11,200	51.6	270.7	9,000	185
190	31.9	228.0	17,500*	33.9	233.7	17,400	36.6	241.2	16,100	39.1	247.7	14,700	43.0	256.2	12,600	46.6	262.4	10,400	49.8	266.5	8,300	190
195	29.2	219.4	16,600*	31.3	225.8	16,500	34.2	234.1	15,200	36.9	241.2	13,900	41.0	250.6	11,800	44.7	257.5	9,700	48.0	262.1	7,700	195
200	26.3	209.7	15,700*	28.5	217.0	15,600	31.7	226.3	14,400	34.6	234.1	13,100	38.8	244.5	11,000	42.7	252.2	9,000	46.1	257.4	7,000	200
205	22.9	198.6	14,900*	25.5	207.0	14,800	29.0	217.6	13,600	32.0	226.4	12,300	36.6	238.0	10,300	40.6	246.5	8,400	44.2	252.4	6,500	205
210	19.1	185.4	14,100*	22.1	195.5	14,000	26.0	207.9	12,800	29.3	217.9	11,600	34.2	230.9	9,700	38.5	240.3	7,700	42.2	247.0	5,900	210
215	14.2	168.2	12,700*	18.0	181.5	13,200	22.6	196.6	12,100	26.4	208.3	10,900	31.7	223.1	9,000	36.2	233.7	7,200	40.1	241.2	5,300	215
220	6.2	139.4	10,200*	12.8	162.9	12,500	18.7	183.1	11,400	23.1	197.3	10,300	29.0	214.4	8,400	33.8	226.4	6,600	37.9	234.9	4,800	220
225							13.7	165.4	10,700	19.3	184.1	9,600	26.0	204.6	7,800	31.2	218.5	6,100	35.6	228.1	4,300	225
230							4.8	133.5	10,000	14.4	167.2	9,000	22.6	193.4	7,300	28.4	209.6	5,500				230
235										6.8	139.6	8,300	18.7	179.8	6,700	25.4	199.6	5,000				235
240													13.7	162.2	6,200	21.9	188.0	4,500				240
245													4.9	130.3	5,600	17.9	174.0	4,100				245



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



110 Ft. Boom, 220 Ft. Jib

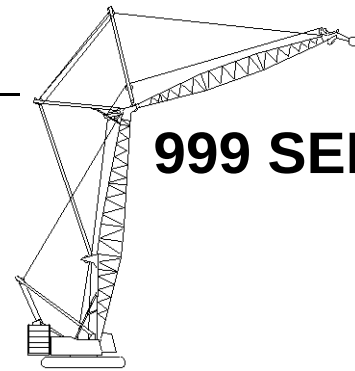
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	
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	39,300*													100
105	65.1	317.0	34,800*	66.2	318.4	40,000*	67.8	320.2	39,000*													105
110	63.6	314.5	34,500*	64.7	316.1	39,600*	66.4	318.1	38,800*	68.0	319.6	38,600										110
115	62.2	311.9	34,100*	63.3	313.6	39,200*	64.9	315.8	38,300	66.6	317.4	36,000										115
120	60.7	309.2	33,800*	61.8	311.0	37,900*	63.5	313.3	35,800	65.1	315.2	33,600										120
125	59.2	306.2	32,500*	60.3	308.2	35,700	62.0	310.7	33,600	63.7	312.7	31,400										125
130	57.6	303.1	31,100*	58.8	305.2	33,500	60.5	308.0	31,500	62.2	310.1	29,400										130
135	56.1	299.8	29,700*	57.3	302.1	31,500	59.0	305.0	29,600	60.7	307.4	27,600										135
140	54.5	296.3	28,400*	55.7	298.7	29,700	57.5	301.9	27,800	59.2	304.4	25,900	62.0	307.5	22,800							140
145	52.8	292.6	27,100*	54.1	295.2	28,000	55.9	298.5	26,200	57.7	301.3	24,400	60.5	304.7	21,400							145
150	51.2	288.6	25,900*	52.5	291.4	26,400	54.3	295.0	24,700	56.1	298.0	22,900	59.0	301.8	20,000							150
155	49.5	284.4	24,700*	50.8	287.4	24,900	52.7	291.3	23,200	54.5	294.5	21,600	57.5	298.6	18,800							155
160	47.7	280.0	23,600*	49.1	283.1	23,600	51.0	287.3	21,900	52.9	290.8	20,300	55.9	295.3	17,600							160
165	45.9	275.2	22,500*	47.3	278.6	22,300	49.3	283.1	20,700	51.3	286.9	19,100	54.3	291.8	16,500	57.2	295.0	14,000				165
170	44.1	270.2	21,300*	45.5	273.8	21,100	47.6	278.6	19,500	49.6	282.7	18,000	52.7	288.0	15,500	55.6	291.6	13,000				170
175	42.2	264.8	20,100*	43.6	268.6	19,900	45.8	273.8	18,400	47.8	278.2	16,900	51.0	284.1	14,500	54.0	288.0	12,100				175
180	40.2	259.0	19,000*	41.7	263.2	18,800	43.9	268.7	17,400	46.0	273.5	16,000	49.3	279.8	13,600	52.4	284.3	11,300				180
185	38.1	252.8	18,000*	39.7	257.3	17,800	42.0	263.3	16,400	44.2	268.5	15,000	47.6	275.4	12,700	50.7	280.2	10,500				185
190	35.9	246.0	17,000*	37.6	250.9	16,900	40.0	257.5	15,500	42.3	263.1	14,200	45.8	270.6	11,900	49.0	276.0	9,700	52.0	279.5	7,600	190
195	33.6	238.7	16,100*	35.4	244.1	16,000	37.9	251.2	14,600	40.3	257.3	13,300	43.9	265.5	11,100	47.3	271.4	9,000	50.3	275.4	7,000	195
200	31.2	230.8	15,200*	33.1	236.7	15,100	35.7	244.5	13,800	38.2	251.1	12,500	42.0	260.1	10,400	45.4	266.6	8,300	48.6	271.1	6,300	200
205	28.5	221.9	14,400*	30.6	228.5	14,300	33.4	237.1	13,000	36.0	244.4	11,800	40.0	254.2	9,700	43.6	261.5	7,700	46.8	266.5	5,700	205
210	25.6	212.0	13,600*	27.9	219.4	13,500	30.9	229.1	12,300	33.7	237.2	11,100	37.9	248.0	9,100	41.6	256.0	7,100	45.0	261.5	5,200	210
215	22.4	200.6	12,900*	24.9	209.2	12,700	28.3	220.1	11,500	31.3	229.2	10,400	35.7	241.2	8,400	39.6	250.1	6,500	43.1	256.3	4,600	215
220	18.6	187.0	12,100*	21.6	197.4	12,000	25.4	210.1	10,900	28.7	220.4	9,700	33.4	233.9	7,800	37.5	243.7	5,900	41.2	250.7	4,100	220
225	13.9	169.4	10,800*	17.6	183.1	11,300	22.1	198.5	10,200	25.8	210.6	9,100	30.9	225.8	7,200	35.3	236.9	5,400				225
230	6.0	139.9	8,500*	12.5	164.0	10,600	18.2	184.7	9,500	22.5	199.2	8,500	28.3	216.9	6,700	33.0	229.4	4,900				230
235							13.3	166.6	8,900	18.8	185.8	7,900	25.4	206.9	6,100	30.5	221.2	4,400				235
240							4.7	133.9	8,300	14.1	168.4	7,300	22.1	195.3	5,600							240
245										6.6	140.2	6,700	18.2	181.4	5,100							245
250													13.3	163.3	4,600							250
255													4.7	130.7	4,100							255



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

110 Ft. Boom, 230 Ft. Jib

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	
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	37,800*													100
105	66.2	328.0	32,800*	67.3	329.4	38,000*	68.8	331.0	37,600*													105
110	64.9	325.7	32,400*	65.9	327.2	37,700*	67.5	329.0	37,400*													110
115	63.5	323.2	32,100*	64.5	324.8	37,400*	66.1	326.8	37,200*	67.6	328.3	35,500										115
120	62.1	320.6	31,100*	63.1	322.3	36,100*	64.7	324.5	35,400	66.3	326.2	33,200										120
125	60.6	317.8	29,800*	61.7	319.7	34,800*	63.3	322.0	33,100	64.9	323.8	31,000										125
130	59.2	314.9	28,500*	60.3	316.9	33,100	61.9	319.4	31,100	63.5	321.4	29,000										130
135	57.7	311.8	27,300*	58.8	313.9	31,100	60.5	316.6	29,200	62.1	318.8	27,200										135
140	56.2	308.5	26,200*	57.4	310.7	29,300	59.1	313.7	27,400	60.7	316.0	25,500										140
145	54.7	305.0	25,000*	55.9	307.4	27,600	57.6	310.5	25,800	59.3	313.1	23,900	61.9	316.2	21,000							145
150	53.2	301.3	24,000*	54.4	303.9	26,000	56.1	307.2	24,200	57.8	310.0	22,500	60.5	313.4	19,600							150
155	51.6	297.4	22,900*	52.8	300.2	24,500	54.6	303.7	22,800	56.3	306.7	21,100	59.1	310.4	18,400							155
160	50.0	293.3	21,900*	51.2	296.2	23,200	53.0	300.0	21,500	54.8	303.3	19,900	57.6	307.3	17,200							160
165	48.3	288.9	21,000*	49.6	292.0	21,900	51.4	296.1	20,300	53.2	299.6	18,700	56.1	304.0	16,100							165
170	46.6	284.3	20,100*	47.9	287.6	20,700	49.8	292.0	19,100	51.7	295.7	17,600	54.6	300.5	15,100	57.3	303.6	12,600				170
175	44.9	279.4	19,300*	46.2	282.9	19,500	48.2	287.6	18,000	50.0	291.6	16,500	53.0	296.8	14,100	55.8	300.3	11,700				175
180	43.1	274.1	18,500*	44.5	277.9	18,500	46.5	282.9	17,000	48.4	287.2	15,600	51.4	292.9	13,200	54.3	296.8	10,900				180
185	41.2	268.5	17,600*	42.6	272.6	17,400	44.7	278.0	16,000	46.7	282.6	14,600	49.8	288.7	12,300	52.7	293.0	10,100				185
190	39.3	262.5	16,600*	40.8	266.9	16,500	42.9	272.7	15,100	45.0	277.7	13,800	48.2	284.3	11,500	51.2	289.1	9,300				190
195	37.2	256.1	15,700*	38.8	260.8	15,600	41.0	267.1	14,200	43.2	272.4	12,900	46.5	279.7	10,700	49.5	284.9	8,600	52.4	288.2	6,500	195
200	35.1	249.2	14,800*	36.7	254.3	14,700	39.1	261.0	13,400	41.3	266.9	12,100	44.7	274.7	10,000	47.9	280.4	7,900	50.8	284.2	5,900	200
205	32.9	241.7	14,000*	34.6	247.2	13,900	37.0	254.6	12,600	39.3	260.9	11,400	42.9	269.4	9,300	46.2	275.7	7,300	49.1	280.0	5,300	205
210	30.5	233.5	13,200*	32.3	239.6	13,100	34.9	247.6	11,900	37.3	254.5	10,700	41.0	263.8	8,700	44.4	270.7	6,700	47.5	275.5	4,800	210
215	27.9	224.4	12,500*	29.9	231.2	12,400	32.6	240.0	11,200	35.2	247.6	10,000	39.1	257.8	8,000	42.6	265.4	6,100	45.7	270.7	4,200	215
220	25.1	214.2	11,800*	27.2	221.9	11,700	30.2	231.8	10,500	33.0	240.1	9,300	37.0	251.4	7,400	40.7	259.7	5,600				220
225	21.9	202.5	11,100*	24.3	211.4	11,000	27.6	222.6	9,800	30.6	232.0	8,700	34.9	244.4	6,900	38.7	253.6	5,000				225
230	18.2	188.6	10,400*	21.1	199.2	10,300	24.8	212.3	9,200	28.0	222.9	8,100	32.6	236.8	6,300	36.7	247.1	4,500				230
235	13.5	170.6	9,100*	17.2	184.6	9,700	21.6	200.4	8,600	25.2	212.8	7,500	30.2	228.5	5,800	34.5	240.0	4,000				235
240	5.9	140.4	7,000*	12.2	165.1	9,000	17.8	186.2	8,000	22.0	201.2	7,000	27.6	219.4	5,300							240
245							13.0	167.7	7,400	18.4	187.4	6,500	24.8	209.1	4,800							245
250							4.6	134.2	6,800	13.8	169.6	5,900	21.6	197.2	4,300							250
255										6.5	140.7	5,400										255



Liftcrane Luffing Jib Capacities

999 SERIES 3

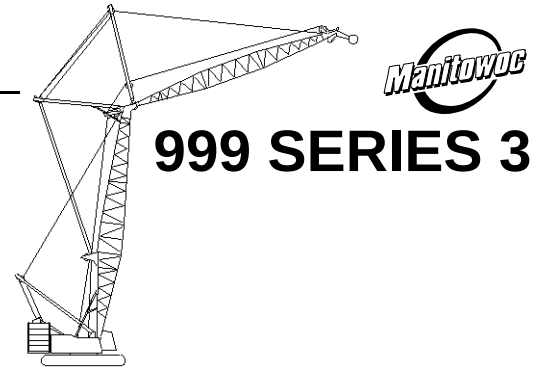
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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			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	
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	34,000*										105
110	66.0	336.7	29,400*	67.0	338.1	34,100*	68.4	339.8	33,700*										110
115	64.7	334.3	29,100*	65.7	335.9	33,800*	67.2	337.7	33,500*										115
120	63.3	331.9	28,800*	64.3	333.5	33,500*	65.9	335.5	33,300*	67.3	337.1	32,500							120
125	62.0	329.3	28,500*	63.0	331.0	33,100*	64.5	333.2	32,600	66.0	334.9	30,400							125
130	60.6	326.5	27,500*	61.7	328.3	32,000*	63.2	330.7	30,500	64.7	332.5	28,400							130
135	59.2	323.5	26,400*	60.3	325.5	30,600	61.9	328.1	28,600	63.4	330.1	26,600							135
140	57.8	320.5	25,300*	58.9	322.6	28,800	60.5	325.3	26,800	62.0	327.5	24,900							140
145	56.4	317.2	24,300*	57.5	319.4	27,100	59.1	322.3	25,200	60.7	324.7	23,300							145
150	54.9	313.7	23,300*	56.1	316.1	25,500	57.7	319.2	23,700	59.3	321.8	21,900	61.9	324.8	18,900				150
155	53.5	310.1	22,400*	54.6	312.6	24,000	56.3	315.9	22,300	57.9	318.7	20,500	60.5	322.0	17,700				155
160	52.0	306.2	21,400*	53.1	308.9	22,600	54.8	312.5	20,900	56.5	315.4	19,300	59.1	319.1	16,500				160
165	50.4	302.2	20,600*	51.6	305.0	21,300	53.3	308.8	19,700	55.0	312.0	18,100	57.7	316.0	15,400				165
170	48.8	297.9	19,700*	50.1	300.9	20,100	51.8	304.9	18,600	53.5	308.3	17,000	56.3	312.7	14,400				170
175	47.2	293.3	18,900*	48.5	296.5	19,000	50.3	300.8	17,500	52.0	304.5	16,000	54.8	309.2	13,500	57.4	312.3	11,000	175
180	45.6	288.5	18,100*	46.8	291.9	17,900	48.7	296.5	16,400	50.5	300.4	15,000	53.3	305.6	12,600	56.0	309.0	10,200	180
185	43.9	283.4	17,100*	45.2	287.1	16,900	47.1	291.9	15,500	48.9	296.2	14,000	51.8	301.7	11,700	54.5	305.5	9,400	185
190	42.1	278.0	16,100*	43.5	281.9	16,000	45.4	287.1	14,600	47.3	291.6	13,200	50.3	297.6	10,900	53.1	301.8	8,600	190
195	40.3	272.2	15,200*	41.7	276.4	15,000	43.7	282.0	13,700	45.7	286.8	12,300	48.7	293.3	10,100	51.5	297.9	7,900	195
200	38.4	266.0	14,300*	39.8	270.5	14,200	41.9	276.5	12,900	44.0	281.7	11,600	47.1	288.7	9,400	50.0	293.8	7,300	200
205	36.4	259.4	13,500*	37.9	264.3	13,400	40.1	270.7	12,100	42.2	276.3	10,800	45.4	283.9	8,700	48.4	289.4	6,600	205
210	34.3	252.3	12,700*	35.9	257.5	12,600	38.2	264.5	11,300	40.4	270.6	10,100	43.7	278.8	8,000	46.8	284.8	6,000	210
215	32.1	244.6	11,900*	33.8	250.3	11,900	36.2	257.9	10,600	38.5	264.4	9,400	42.0	273.3	7,400	45.1	279.9	5,500	215
220	29.8	236.1	11,200*	31.6	242.4	11,100	34.1	250.7	10,000	36.5	257.8	8,800	40.1	267.5	6,800	43.4	274.7	4,900	220
225	27.3	226.8	10,600*	29.2	233.8	10,500	31.9	242.9	9,300	34.4	250.7	8,200	38.2	261.3	6,300	41.6	269.2	4,400	225
230	24.5	216.4	9,900*	26.7	224.2	9,800	29.6	234.4	8,700	32.2	243.0	7,600	36.2	254.6	5,700				230
235	21.4	204.4	9,300*	23.8	213.5	9,200	27.0	225.0	8,100	29.9	234.6	7,000	34.1	247.5	5,200				235
240	17.8	190.1	8,700*	20.6	201.0	8,600	24.2	214.4	7,500	27.4	225.4	6,400	31.9	239.7	4,700				240
245	13.2	171.7	7,500*	16.8	186.0	8,000	21.1	202.3	7,000	24.6	215.0	5,900	29.6	231.2	4,200				245
250	5.8	140.9	5,400*	11.9	166.1	7,400*	17.4	187.7	6,400	21.6	203.1	5,400							250
255							12.8	168.8	5,900	18.0	188.9	4,900							255
260				4.5	134.6	5,300				13.5	170.8	4,400							260



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

120 Ft. Boom, 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	120,600*b													55
60	47.1	178.4	98,300*	51.7	181.8	103,500*	58.0	185.7	112,000*b	63.9	188.2	111,500b										60
65	41.1	173.1	92,500*	46.2	177.3	96,900*	53.0	182.1	103,700	59.2	185.4	100,700b										65
70	34.3	166.4	87,400*	40.1	171.8	91,200*	47.6	177.8	94,400	54.2	182.0	91,700										70
75	25.8	157.3	83,100*	33.0	164.8	86,200*	41.7	172.6	86,500	48.9	177.9	84,100	59.4	183.1	80,000b							75
80	12.7	142.2	65,800*	24.2	155.2	82,000	34.9	166.0	79,800	43.2	172.9	77,500	54.4	179.7	73,700							80
85				8.7	137.1	62,900*	26.7	157.2	73,900	36.6	166.7	71,800	49.1	175.6	68,300							85
90							14.3	143.1	68,600	28.8	158.6	66,800	43.4	170.6	63,600	54.4	176.3	60,300				90
95										18.1	146.4	62,300	36.9	164.5	59,300	49.1	172.2	56,300				95
100													29.1	156.4	55,600	43.3	167.2	52,700				100
105													18.6	144.5	52,100	36.8	161.0	49,500	48.6	167.6	46,900	105
110																29.0	153.0	46,600	42.8	162.6	44,200	110
115																18.4	141.0	43,900	36.2	156.3	41,700	115
120																			28.3	148.0	39,400	120
125																			17.2	135.4	37,200	125

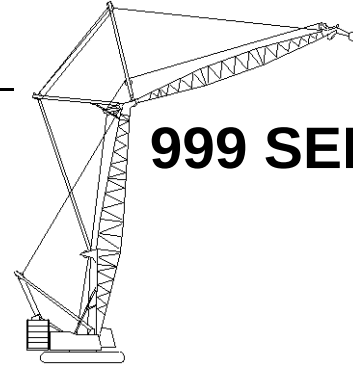


Liftcrane Luffing Jib Capacities

999 SERIES 3

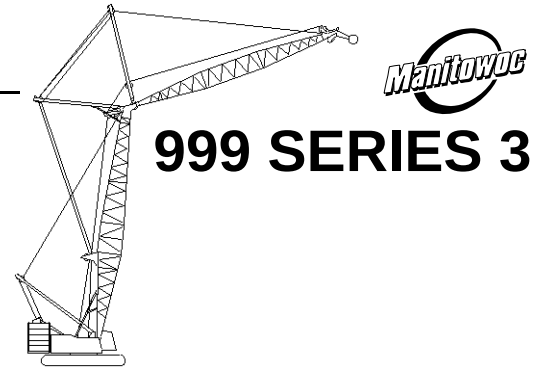
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



120 Ft. Boom, 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	69.4	202.1	125,500*b																40
45	66.1	200.6	118,100*b	65.5	199.9	116,200*b																45
50	62.1	198.1	109,600*b	61.4	197.3	108,100*b	66.5	199.8	117,300*b													50
55	57.9	195.1	102,200*	57.2	194.3	100,900*	62.5	197.3	109,200*b	67.4	199.3	111,000b										55
60	53.6	191.6	95,600*																			60
65	48.9	187.4	89,900*	52.8	190.7	94,500*	58.3	194.4	101,900*	63.4	196.9	100,200b										65
70	43.9	182.5	84,800*	48.1	186.4	88,800*	53.9	190.9	94,000	59.3	194.1	91,200										70
75	38.3	176.6	80,300*	43.0	181.3	83,800*	49.3	186.8	86,200	55.0	190.7	83,600										75
80	32.0	169.2	74,300*	37.3	175.2	79,400*	44.3	181.9	79,400	50.4	186.8	77,100	59.5	191.7	73,200							80
85	24.1	159.5	69,200*	30.8	167.5	75,500*	38.8	176.1	73,600	45.5	182.1	71,400	55.2	188.4	67,800							85
90	11.8	143.1	58,300*	22.5	157.2	69,900*	32.5	168.9	68,500	40.2	176.6	66,400	50.6	184.5	63,100							90
95				8.1	137.7	55,900*	24.8	159.4	63,900	34.1	169.8	62,000	45.7	179.9	58,900	55.1	185.0	55,700				95
100							13.3	144.2	59,800	26.9	160.9	58,100	40.4	174.3	55,100	50.5	181.1	52,200				100
105										16.8	147.9	54,500	34.4	167.6	51,800	45.7	176.5	49,000				105
110													27.2	158.9	48,700	40.3	170.9	46,200	50.2	176.6	43,600	110
115													17.3	146.0	45,900	34.3	164.1	43,500	45.2	171.9	41,100	115
120																27.0	155.4	41,100	39.8	166.2	38,900	120
125																17.1	142.4	38,900	33.7	159.3	36,800	125
130																			26.4	150.3	34,900	130
135																			16.0	136.8	33,000	135



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

120 Ft. Boom, 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	114,400*b													55
60	58.2	203.8	93,500*	61.3	206.0	98,600*	65.7	208.5	106,700*b													60
65	54.3	200.3	87,900*	57.5	203.0	92,500*	62.2	206.0	99,800*	66.6	208.0	99,900*b										65
70	50.2	196.4	82,900*	53.7	199.4	87,000*	58.5	203.0	93,600*	63.0	205.6	90,900										70
75	45.9	191.7	78,400*	49.5	195.3	82,100*	54.6	199.6	85,900	59.4	202.7	83,300										75
80	41.2	186.3	72,200*	45.2	190.6	77,700*	50.6	195.7	79,200	55.6	199.4	76,800										80
85	36.0	179.9	66,300*	40.4	185.0	73,800*	46.3	191.1	73,400	51.6	195.6	71,200	59.5	200.4	67,400							85
90	30.0	171.9	61,400*	35.1	178.4	69,700*	41.6	185.8	68,300	47.3	191.2	66,200	55.7	197.1	62,700							90
95	22.6	161.4	57,700*	28.9	170.1	64,500*	36.5	179.4	63,800	42.8	186.1	61,800	51.7	193.3	58,600							95
100	11.1	144.1	50,700*	21.2	159.0	60,000*	30.6	171.7	59,700	37.8	180.0	57,900	47.5	189.0	54,900	55.7	193.7	51,800				100
105				7.6	138.3	49,300*	23.3	161.5	56,100	32.1	172.6	54,400	42.9	183.8	51,500	51.7	189.9	48,700				105
110							12.5	145.2	52,800	25.3	163.2	51,200	37.9	177.8	48,500	47.4	185.5	45,800				110
115										15.8	149.2	48,300	32.3	170.5	45,800	42.9	180.4	43,300	51.3	185.4	40,700	115
120													25.5	161.1	43,300	37.9	174.4	40,900	47.1	181.0	38,500	120
125													16.2	147.4	41,000	32.2	167.0	38,700	42.5	175.8	36,500	125
130																25.4	157.6	36,700	37.4	169.6	34,600	130
135																16.1	143.8	34,800	31.7	162.2	32,800	135
140																			24.8	152.5	31,200	140
145																			15.1	138.1	29,700	145

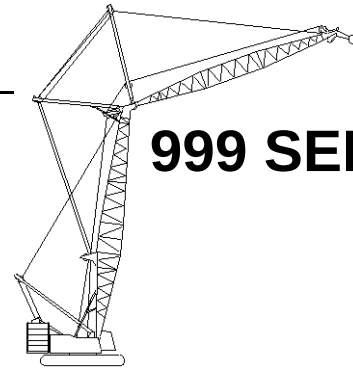


Liftcrane Luffing Jib Capacities

999 SERIES 3

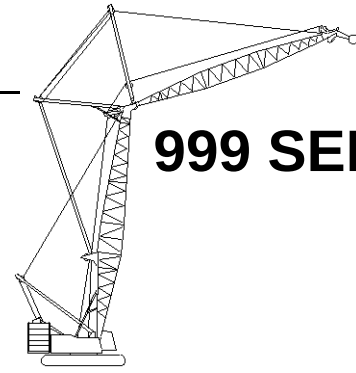
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



120 Ft. Boom, 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	103,600*													60
65	58.4	212.5	85,500*	61.1	214.7	90,100*	65.2	217.2	97,100*													65
70	54.9	209.1	80,700*	57.8	211.6	84,800*	62.0	214.6	91,300*	65.9	216.7	90,400										70
75	51.3	205.2	76,400*	54.3	208.2	80,100*	58.6	211.7	85,500	62.7	214.2	82,800										75
80	47.5	200.8	71,300*	50.7	204.2	75,800*	55.2	208.4	78,800	59.4	211.4	76,300										80
85	43.4	195.8	65,300*	46.8	199.7	72,000*	51.6	204.5	73,000	56.0	208.2	70,700	62.9	211.9	66,900							85
90	39.0	189.9	60,100*	42.7	194.6	68,500*	47.8	200.2	67,900	52.5	204.5	65,700	59.6	209.0	62,200							90
95	34.1	182.9	55,600*	38.2	188.5	64,100*	43.7	195.2	63,400	48.7	200.2	61,400	56.2	205.8	58,000							95
100	28.4	174.5	51,900*	33.2	181.4	59,500*	39.4	189.4	59,400	44.7	195.4	57,500	52.6	202.1	54,300							100
105	21.4	163.3	49,200*	27.4	172.6	55,500*	34.5	182.6	55,800	40.4	189.8	54,000	48.9	197.9	51,000	56.1	202.4	48,100				105
110	10.5	144.9	44,200*	20.0	160.8	52,000*	28.9	174.2	52,500	35.7	183.3	50,800	44.9	193.1	48,000	52.5	198.7	45,300				110
115				7.1	138.9	43,000*	22.1	163.4	49,600	30.4	175.4	48,000	40.6	187.6	45,300	48.8	194.5	42,700				115
120							11.8	146.2	46,800				35.9	181.1	42,900	44.8	189.7	40,400	52.2	194.2	37,900	120
125													30.6	173.2	40,600	40.5	184.2	38,200	48.5	190.0	35,900	125
130													24.2	163.2	38,500	35.8	177.6	36,300	44.5	185.1	34,000	130
135													15.4	148.7	36,500	30.5	169.7	34,400	40.2	179.5	32,300	135
140																24.1	159.7	32,700	35.4	172.9	30,700	140
145																15.2	145.1	31,100	30.0	164.8	29,200	145
150																			23.5	154.6	27,800	150
155																			14.2	139.3	26,500	155



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

120 Ft. Boom, 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*																			40
45	72.9	232.8	107,000*																			45
50	70.2	231.0	100,600*	72.5	232.2	106,300*																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	100,700*													60
65	61.5	224.1	83,500*	64.0	226.0	87,900*	67.6	228.2	94,700*													65
70	58.5	221.1	78,900*	61.0	223.3	82,900*	64.7	225.9	89,200*													70
75	55.4	217.8	74,700*	58.0	220.3	78,400*	61.8	223.3	84,100*	65.4	225.4	82,700										75
80	52.1	214.0	70,200*	54.9	216.9	74,200*	58.8	220.4	78,700	62.5	222.9	76,200										80
85	48.7	209.8	64,500*	51.6	213.1	70,500*	55.6	217.1	72,900	59.5	220.1	70,500										85
90	45.1	205.0	59,200*	48.1	208.8	67,000*	52.4	213.3	67,800	56.4	216.8	65,600	62.6	220.5	62,000							90
95	41.2	199.5	54,700*	44.5	203.9	63,900*	49.0	209.2	63,300	53.2	213.2	61,300	59.6	217.7	57,900							95
100	37.1	193.3	50,700*	40.6	198.3	59,500*	45.4	204.4	59,300	49.8	209.2	57,400	56.5	214.5	54,200							100
105	32.4	185.9	47,300*	36.3	191.8	55,500*	41.6	199.0	55,700	46.3	204.6	53,900	53.3	210.9	50,900							105
110	27.0	176.9	44,400*	31.6	184.2	51,900*	37.4	192.8	52,500	42.5	199.3	50,800	50.0	206.9	47,900	56.5	211.1	45,100				110
115	20.4	165.1	42,300*	26.1	174.9	48,700*	32.8	185.5	49,600	38.5	193.3	47,900	46.4	202.3	45,200	53.3	207.5	42,600				115
120	10.0	145.8	39,100*	19.1	162.4	45,800*	27.5	176.7	46,900	34.0	186.3	45,300	42.7	197.1	42,800	49.9	203.5	40,200				120
125				6.8	139.4	38,100*	21.0	165.2	44,400	28.9	177.9	43,000	38.6	191.1	40,500	46.4	198.9	38,100	53.0	203.0	35,700	125
130							11.2	147.2	41,900*	22.7	167.3	40,800	34.1	184.1	38,500	42.6	193.7	36,100	49.6	198.9	33,900	130
135										14.2	151.7	38,700	29.1	175.8	36,500	38.5	187.7	34,300	46.1	194.3	32,200	135
140													23.0	165.3	34,800	34.1	180.7	32,700	42.3	189.0	30,600	140
145													14.6	150.0	33,100	29.0	172.3	31,100	38.2	183.0	29,100	145
150																22.9	161.7	29,600	33.7	175.9	27,800	150
155																14.4	146.3	28,200	28.5	167.4	26,500	155
160																			22.3	156.5	25,300	160
165																			13.5	140.4	24,100	165



Liftcrane Luffing Jib Capacities

999 SERIES 3

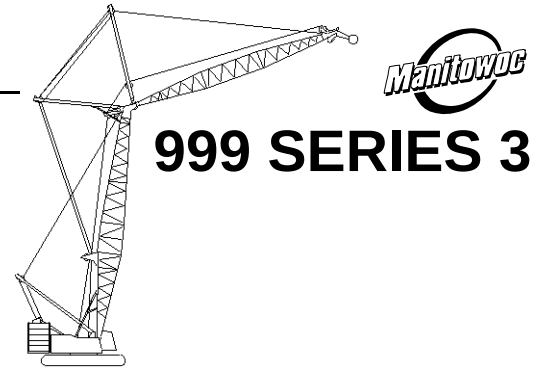
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



120 Ft. Boom, 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*	74.0	242.7	102,500*																45
50	71.9	241.6	96,200*	71.5	241.1	96,400*																50
55	69.3	239.8	91,500*	68.9	239.2	90,800*																55
60	66.7	237.7	86,100*	66.3	237.1	85,500*	69.5	239.0	91,900*													60
65	64.1	235.4	81,200*																			65
70	61.4	232.7	76,800*	61.0	232.0	76,400*	67.0	236.9	86,800*	67.6	236.4	82,100										70
75	58.6	229.8	72,700*	58.2	229.0	72,400*	64.3	234.6	82,000*	65.0	234.1	75,700										75
80	55.8	226.5	68,800*	55.3	225.6	68,800*	61.6	232.0	77,600*	62.3	231.6	70,000										80
85	52.8	222.8	63,500*	52.3	221.9	65,400*	58.9	229.0	72,400	59.5	228.7	65,100										85
90	49.7	218.7	58,600*				56.0	225.8	67,400													90
95	46.5	214.1	54,100*	49.2	217.7	62,400*	53.1	222.1	62,900	56.7	225.5	60,800	62.4	229.2	57,300							95
100	43.1	209.0	50,000*	45.9	213.0	59,200*	50.0	218.1	58,900	53.8	222.0	56,900	59.6	226.4	53,600							100
105	39.4	203.2	46,500*	42.5	207.8	55,200*	46.8	213.5	55,300	50.7	218.0	53,400	56.8	223.2	50,400							105
110	35.4	196.5	43,400*	38.8	201.8	51,600*	43.4	208.4	52,100	47.6	213.6	50,300	53.9	219.7	47,400							110
115	31.0	188.6	40,700*	34.7	195.0	48,200*	39.7	202.7	49,200	44.2	208.7	47,500	50.8	215.7	44,700	56.8	219.8	42,000				115
120	25.8	179.1	38,500*	30.2	186.9	45,000*	35.8	196.0	46,500	40.6	203.1	44,900	47.7	211.3	42,300	53.8	216.3	39,700				120
125	19.5	166.8	36,900*	24.9	177.1	42,300*	31.4	188.3	44,100	36.7	196.7	42,600	44.3	206.4	40,000	50.8	212.3	37,500				125
130	9.5	146.6	34,400*	18.2	164.0	40,300*	26.3	179.0	41,800	32.5	189.3	40,400	40.7	200.8	38,000	47.6	207.9	35,600				130
135				6.5	139.9	33,600*	20.1	167.0	39,800	27.6	180.4	38,400	36.9	194.5	36,100	44.3	203.0	33,800	50.5	207.8	31,600	135
140							10.7	148.1	37,000*	21.7	169.2	36,500	32.6	187.1	34,300	40.7	197.4	32,200	47.4	203.3	30,000	140
145										13.6	152.9	34,700	27.8	178.3	32,700	36.8	191.0	30,600	44.0	198.4	28,600	145
150													22.0	167.2	31,200	32.6	183.6	29,200	40.4	192.7	27,200	150
155													14.0	151.2	29,700	27.7	174.8	27,800	36.5	186.3	25,900	155
160																21.9	163.7	26,600	32.2	178.8	24,800	160
165																13.8	147.5	25,300	27.3	169.8	23,600	165
170																			21.3	158.4	22,600	170
175																			12.9	141.5	21,500	175



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

120 Ft. Boom, 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*																			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	84,600*													70
75	61.3	241.4	71,200*	63.4	243.4	74,800*	66.4	245.6	80,200*													75
80	58.7	238.5	67,200*	60.9	240.6	71,000*	64.0	243.3	76,000*	67.0	245.1	75,300										80
85	56.1	235.2	62,300*	58.3	237.6	67,400*	61.5	240.6	72,100	64.6	242.8	69,700										85
90	53.4	231.6	57,800*	55.7	234.3	64,200*	59.0	237.7	67,000	62.1	240.2	64,800										90
95	50.6	227.6	53,500*	52.9	230.7	61,200*	56.3	234.5	62,500	59.6	237.4	60,400										95
100	47.6	223.2	49,600*	50.1	226.6	58,500*	53.6	230.9	58,600	57.0	234.2	56,600	62.2	237.9	53,200							100
105	44.5	218.3	46,100*	47.1	222.1	54,800*	50.8	226.9	55,000	54.3	230.7	53,100	59.7	235.0	50,000							105
110	41.3	212.8	43,000*	44.0	217.1	51,200*	47.9	222.5	51,800	51.5	226.9	50,000	57.1	231.9	47,000							110
115	37.8	206.6	40,200*	40.7	211.5	48,000*	44.8	217.7	48,900	48.6	222.6	47,200	54.4	228.4	44,300							115
120	33.9	199.5	37,700*	37.2	205.2	44,800*	41.6	212.2	46,200	45.6	217.8	44,600	51.6	224.6	41,900	57.0	228.5	39,200				120
125	29.7	191.3	35,600*	33.3	198.0	41,900*	38.1	206.1	43,800	42.3	212.6	42,300	48.7	220.3	39,700	54.3	225.0	37,100				125
130	24.8	181.3	33,800*	28.9	189.5	39,400*	34.3	199.1	41,600	38.9	206.6	40,100	45.7	215.6	37,600	51.6	221.2	35,200				130
135	18.7	168.4	32,500*	23.9	179.2	37,200*	30.1	191.0	39,500	35.2	199.9	38,100	42.5	210.3	35,800	48.7	216.9	33,400				135
140	9.1	147.3	30,500*	17.5	165.5	35,600*	25.2	181.2	37,600	31.1	192.0	36,300	39.1	204.4	34,000	45.6	212.2	31,800	51.3	216.6	29,600	140
145				6.2	140.4	29,800*	19.3	168.7	35,800	26.5	182.7	34,500	35.4	197.7	32,400	42.4	206.9	30,300	48.4	212.3	28,200	145
150							10.3	148.9	32,800*	20.9	171.0	32,900	31.3	189.9	30,900	39.0	201.0	28,800	45.4	207.6	26,800	150
155										13.0	154.0	31,400	26.7	180.6	29,500	35.3	194.2	27,500	42.2	202.2	25,600	155
160													21.1	169.0	28,100	31.2	186.4	26,300	38.7	196.3	24,400	160
165													13.4	152.3	26,800	26.6	177.1	25,100	35.0	189.4	23,300	165
170																21.0	165.5	24,000	30.9	181.6	22,300	170
175																13.2	148.6	22,900	26.2	172.1	21,300	175
180																			20.5	160.2	20,300	180
185																			12.4	142.6	19,400	185



Liftcrane Luffing Jib Capacities

999 SERIES 3

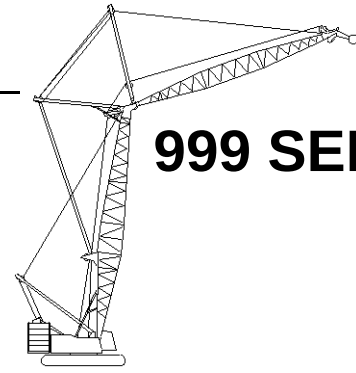
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



120 Ft. Boom, 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	80,800*																65
70	65.8	255.2	72,900*	67.7	256.7	76,600*	70.4	258.5	81,900*													70
75	63.5	252.7	69,200*	65.4	254.5	72,700*	68.2	256.5	75,200													75
80	61.2	250.1	65,700*	63.1	252.0	69,100*	66.0	254.3	69,000													80
85	58.8	247.1	61,100*	60.8	249.3	65,700*	63.7	251.9	63,500	66.5	253.8	60,300										85
90	56.4	243.9	56,900*	58.4	246.3	61,800	61.4	249.3	58,800	64.3	251.5	55,800										90
95	53.9	240.3	53,000*	56.0	243.0	57,400	59.0	246.4	54,600	62.0	248.9	51,700										95
100	51.3	236.4	49,400*	53.5	239.4	53,500	56.6	243.2	50,800	59.6	246.0	48,200										100
105	48.6	232.2	46,000*	50.9	235.5	50,100	54.1	239.6	47,500	57.2	242.9	45,000	62.0	246.5	40,800							105
110	45.8	227.4	42,900*	48.1	231.1	46,900	51.5	235.8	44,500	54.7	239.5	42,100	59.7	243.7	38,100							110
115	42.8	222.2	40,000*	45.3	226.3	44,100	48.8	231.5	41,800	52.1	235.7	39,500	57.3	240.6	35,700							115
120	39.7	216.4	37,500*	42.3	221.0	41,500	46.0	226.8	39,300	49.5	231.5	37,100	54.8	237.1	33,500							120
125	36.3	209.9	35,300*	39.2	215.1	39,100	43.1	221.7	37,000	46.7	226.9	34,900	52.2	233.4	31,500	57.2	237.2	28,100				125
130	32.7	202.5	33,300*	35.7	208.4	36,900	40.0	215.9	34,900	43.8	221.9	32,900	49.6	229.2	29,600	54.8	233.7	26,400				130
135	28.6	193.8	31,500*	32.0	200.8	34,900	36.6	209.4	33,000	40.7	216.3	31,100	46.8	224.7	27,900	52.2	230.0	24,800				135
140	23.9	183.4	30,100*	27.9	192.0	33,000	33.0	202.1	31,200	37.4	210.0	29,400	43.9	219.6	26,300	49.5	225.8	23,300				140
145	18.0	170.0	29,100*	23.0	181.2	31,300	28.9	193.6	29,500	33.9	202.9	27,800	40.8	214.0	24,900	46.8	221.3	22,000	52.0	225.5	19,200	145
150	8.8	148.0	26,900*	16.8	167.0	29,600	24.3	183.4	28,000	30.0	194.7	26,300	37.6	207.8	23,500	43.9	216.2	20,700	49.3	221.3	18,100	150
155				5.9	140.9	26,300*	18.5	170.3	26,500	25.5	185.0	24,900	34.0	200.7	22,200	40.8	210.6	19,600	46.5	216.7	17,000	155
160							9.9	149.8	25,100	20.1	172.8	23,600	30.1	192.6	21,000	37.5	204.4	18,500	43.6	211.6	16,000	160
165										12.5	155.0	22,300	25.6	182.9	19,900	34.0	197.3	17,400	40.5	206.0	15,000	165
170													20.3	170.8	18,800	30.0	189.1	16,400	37.2	199.6	14,100	170
175													12.9	153.4	17,700	25.6	179.4	15,500	33.7	192.5	13,300	175
180																20.2	167.3	14,600	29.7	184.2	12,500	180
185																12.7	149.7	13,700	25.2	174.4	11,700	185
190																			19.7	161.9	11,000	190
195																			11.9	143.6	10,200	195



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

120 Ft. Boom, 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	74,500*																70
75	65.4	263.9	66,800*	67.2	265.5	70,800*	69.7	267.3	75,000													75
80	63.3	261.4	63,500*	65.1	263.2	67,400*	67.7	265.3	68,700													80
85	61.1	258.7	59,500*	62.9	260.7	64,200*	65.6	263.1	63,300													85
90	58.9	255.8	55,600*	60.8	258.0	61,200*	63.5	260.6	58,500	66.1	262.6	55,500										90
95	56.6	252.6	52,000*	58.5	255.0	57,200	61.3	257.9	54,400	64.0	260.2	51,500										95
100	54.3	249.1	48,600*	56.3	251.7	53,300	59.1	255.0	50,600	61.8	257.6	47,900										100
105	51.9	245.3	45,400*	53.9	248.2	49,800	56.8	251.8	47,300	59.6	254.7	44,700										105
110	49.4	241.1	42,500*	51.5	244.3	46,700	54.5	248.4	44,300	57.4	251.6	41,800	61.9	255.2	37,900							110
115	46.8	236.5	39,800*	49.0	240.1	43,900	52.1	244.6	41,500	55.1	248.2	39,200	59.7	252.4	35,400							115
120	44.1	231.5	37,200*	46.4	235.4	41,300	49.6	240.4	39,100	52.7	244.5	36,900	57.5	249.2	33,200							120
125	41.3	226.0	35,000*	43.7	230.4	38,900	47.1	235.9	36,800	50.2	240.4	34,700	55.2	245.8	31,200							125
130	38.3	219.9	32,900*	40.8	224.7	36,700	44.4	230.9	34,700	47.7	236.0	32,700	52.8	242.1	29,400	57.4	245.9	26,100				130
135	35.0	213.1	31,100*	37.8	218.5	34,700	41.5	225.5	32,800	45.0	231.1	30,900	50.3	238.1	27,700	55.1	242.5	24,600				135
140	31.5	205.3	29,500*	34.5	211.5	32,900	38.5	219.4	31,000	42.2	225.8	29,200	47.8	233.7	26,100	52.7	238.7	23,100				140
145	27.6	196.3	28,100*	30.9	203.6	31,100	35.3	212.6	29,400	39.3	219.9	27,600	45.1	228.8	24,600	50.3	234.7	21,800				145
150	23.0	185.5	26,900*	26.9	194.4	29,500	31.8	205.0	27,800	36.1	213.3	26,100	42.3	223.5	23,300	47.7	230.3	20,500	52.5	234.2	17,800	150
155	17.3	171.5	26,100*	22.2	183.1	28,000	27.9	196.1	26,400	32.7	205.9	24,700	39.4	217.6	22,000	45.1	225.4	19,300	50.1	230.2	16,700	155
160	8.4	148.8	24,000*	16.2	168.4	26,600	23.4	185.5	25,000	28.9	197.3	23,400	36.2	211.1	20,800	42.3	220.1	18,300	47.5	225.7	15,700	160
165				5.7	141.3	23,500*	17.9	171.8	23,700	24.6	187.2	22,200	32.8	203.7	19,700	39.3	214.2	17,200	44.9	220.8	14,800	165
170							9.5	150.6	22,500	19.4	174.4	21,100	29.0	195.2	18,700	36.2	207.6	16,300	42.1	215.5	13,900	170
175										12.1	156.1	19,900	24.7	185.1	17,700	32.8	200.2	15,300	39.1	209.5	13,100	175
180													19.6	172.5	16,700	29.0	191.7	14,500	35.9	202.9	12,300	180
185													12.4	154.5	15,800	24.7	181.6	13,600	32.5	195.4	11,500	185
190																19.5	169.0	12,900	28.7	186.8	10,800	190
195																12.3	150.8	12,100	24.3	176.5	10,100	195
200																			19.0	163.6	9,500	200
205																			11.5	144.6	8,800	205

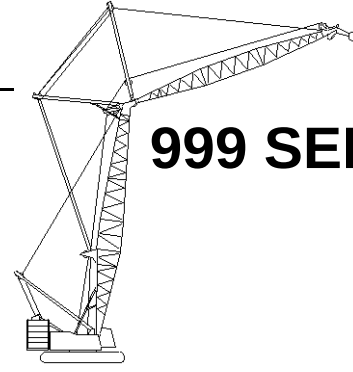


Liftcrane Luffing Jib Capacities

999 SERIES 3

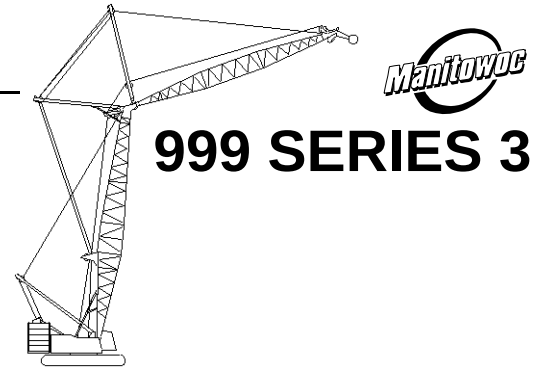
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



120 Ft. Boom, 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	72,100*																70
75	67.1	274.8	61,500*	68.7	276.3	68,700*																75
80	65.1	272.6	60,600*	66.7	274.2	65,500*	69.2	276.1	68,100													80
85	63.1	270.1	57,500*	64.8	271.9	62,400*	67.2	274.0	62,700													85
90	61.1	267.4	54,100*	62.8	269.4	59,600*	65.3	271.8	57,900	67.7	273.5	54,800										90
95	59.0	264.5	50,700*	60.7	266.6	56,700	63.3	269.3	53,700	65.7	271.3	50,800										95
100	56.9	261.3	47,600*	58.6	263.6	52,800	61.2	266.6	50,000	63.7	268.9	47,300										100
105	54.7	257.8	44,700*	56.5	260.4	49,300	59.2	263.7	46,700	61.7	266.2	44,100										105
110	52.4	254.0	42,000*	54.3	256.9	46,200	57.0	260.5	43,700	59.7	263.4	41,200										110
115	50.1	250.0	39,400*	52.1	253.1	43,300	54.9	257.1	40,900	57.5	260.3	38,600	61.8	263.9	34,700							115
120	47.7	245.5	37,000*	49.7	249.0	40,700	52.6	253.4	38,500	55.4	256.9	36,200	59.7	261.0	32,500							120
125	45.2	240.7	34,700*	47.3	244.5	38,400	50.3	249.3	36,200	53.2	253.2	34,100	57.6	257.9	30,500							125
130	42.6	235.4	32,700*	44.8	239.6	36,200	47.9	244.9	34,100	50.9	249.3	32,100	55.5	254.6	28,700							130
135	39.9	229.7	30,800*	42.2	234.2	34,200	45.5	240.1	32,200	48.5	245.0	30,200	53.2	250.9	27,000	57.6	254.5	23,800				135
140	37.0	223.3	29,200*	39.4	228.4	32,400	42.9	234.9	30,400	46.1	240.3	28,600	51.0	247.0	25,400	55.4	251.2	22,400				140
145	33.9	216.1	27,700*	36.5	221.8	30,600	40.1	229.1	28,800	43.5	235.1	27,000	48.6	242.7	24,000	53.2	247.5	21,000				145
150	30.5	208.0	26,300*	33.3	214.6	29,000	37.2	222.8	27,300	40.8	229.5	25,500	46.2	238.0	22,600	50.9	243.6	19,800				150
155	26.7	198.6	25,200*	29.9	206.3	27,500	34.1	215.7	25,800	38.0	223.3	24,200	43.6	232.9	21,400	48.6	239.3	18,600	53.0	243.0	16,000	155
160	22.3	187.4	24,200*	26.0	196.7	26,100	30.8	207.7	24,500	34.9	216.4	22,900	40.9	227.3	20,200	46.1	234.6	17,500	50.7	239.0	15,000	160
165	16.8	172.9	23,600*	21.5	185.0	24,800	27.0	198.5	23,200	31.6	208.7	21,700	38.1	221.1	19,100	43.6	229.5	16,500	48.4	234.7	14,000	165
170	8.2	149.4	21,200*	15.7	169.7	23,500	22.7	187.4	22,100	27.9	199.8	20,500	35.0	214.2	18,000	40.9	223.9	15,600	45.9	230.0	13,200	170
175				5.5	141.8	20,800*	17.3	173.3	20,900	23.8	189.3	19,500	31.7	206.5	17,100	38.0	217.7	14,700	43.3	224.8	12,300	175
180							9.2	151.3	19,800	18.7	176.1	18,400	28.1	197.7	16,100	35.0	210.8	13,800	40.6	219.2	11,600	180
185										11.7	157.1	17,400	23.9	187.2	15,200	31.7	203.1	13,000	37.8	213.0	10,800	185
190													18.9	174.2	14,400	28.0	194.2	12,200	34.7	206.0	10,100	190
195													12.0	155.5	13,500	23.9	183.7	11,500	31.4	198.2	9,500	195
200																18.8	170.6	10,800	27.7	189.2	8,800	200
205																11.9	151.8	10,100	23.5	178.6	8,200	205
210																			18.4	165.2	7,600	210
215																			11.1	145.5	7,000	215



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

120 Ft. Boom, 170 Ft. 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	66,700*																75
80	66.7	283.6	55,900*	68.2	285.0	63,800*	70.4	286.7	65,500*													80
85	64.8	281.3	55,000*	66.3	282.9	60,900*	68.6	284.8	62,200													85
90	62.9	278.8	52,300*	64.5	280.6	58,200*	66.8	282.7	57,400													90
95	61.0	276.1	49,400*	62.6	278.0	55,700*	65.0	280.4	53,200	67.2	282.2	50,300										95
100	59.0	273.1	46,500*	60.7	275.3	52,300	63.1	278.0	49,500	65.4	280.0	46,700										100
105	57.0	269.9	43,800*	58.7	272.3	48,800	61.2	275.3	46,200	63.5	277.5	43,500										105
110	55.0	266.5	41,300*	56.7	269.1	45,700	59.2	272.4	43,200	61.6	274.9	40,700										110
115	52.9	262.8	38,900*	54.7	265.6	42,900	57.2	269.2	40,500	59.7	272.0	38,100										115
120	50.7	258.8	36,600*	52.6	261.9	40,300	55.2	265.8	38,000	57.7	268.9	35,700	61.7	272.5	32,000							120
125	48.5	254.5	34,500*	50.4	257.8	37,900	53.1	262.1	35,700	55.7	265.6	33,600	59.7	269.7	30,000							125
130	46.2	249.8	32,500*	48.1	253.5	35,800	50.9	258.2	33,700	53.6	262.0	31,600	57.8	266.6	28,100							130
135	43.8	244.8	30,600*	45.8	248.7	33,800	48.7	253.9	31,800	51.5	258.1	29,800	55.7	263.3	26,500							135
140	41.3	239.2	29,000*	43.4	243.6	31,900	46.4	249.2	30,000	49.3	253.9	28,100	53.7	259.7	24,900	57.7	263.2	21,800				140
145	38.7	233.2	27,500*	40.9	238.0	30,200	44.0	244.2	28,400	47.0	249.3	26,500	51.5	255.8	23,500	55.7	259.9	20,500				145
150	35.8	226.5	26,100*	38.2	231.8	28,600	41.5	238.7	26,800	44.6	244.4	25,100	49.3	251.6	22,100	53.6	256.3	19,200				150
155	32.8	219.1	24,800*	35.4	225.0	27,100	38.9	232.7	25,400	42.1	239.0	23,700	47.1	247.0	20,900	51.5	252.4	18,100				155
160	29.5	210.6	23,700*	32.3	217.5	25,700	36.1	226.1	24,100	39.5	233.1	22,400	44.7	242.1	19,700	49.3	248.2	17,000				160
165	25.8	200.9	22,700*	28.9	208.9	24,400	33.1	218.7	22,800	36.8	226.7	21,200	42.2	236.8	18,600	47.0	243.6	16,000	51.3	247.9	13,500	165
170	21.6	189.3	22,000*	25.2	198.9	23,200	29.8	210.4	21,700	33.8	219.5	20,100	39.6	230.9	17,600	44.7	238.7	15,100	49.1	243.6	12,600	170
175	16.3	174.4	21,400*	20.8	186.8	22,000	26.2	200.8	20,500	30.6	211.4	19,100	36.9	224.5	16,600	42.2	233.3	14,200	46.8	239.1	11,800	175
180	7.9	150.1	18,700*	15.2	171.1	20,900	22.0	189.4	19,500	27.1	202.2	18,000	33.9	217.3	15,700	39.6	227.5	13,300	44.5	234.1	11,000	180
185				5.3	142.2	18,300*	16.8	174.8	18,500	23.0	191.3	17,100	30.7	209.3	14,800	36.8	221.0	12,500	42.0	228.7	10,300	185
190							8.9	152.1	17,500	18.1	177.7	16,200	27.2	200.1	14,000	33.9	213.9	11,800	39.4	222.8	9,600	190
195										11.3	158.0	15,300	23.2	189.2	13,200	30.7	205.8	11,000	36.6	216.3	9,000	195
200													18.3	175.8	12,400	27.2	196.6	10,300	33.6	209.1	8,300	200
205													11.6	156.5	11,600	23.1	185.7	9,700	30.4	200.9	7,700	205
210																18.3	172.2	9,000	26.9	191.6	7,100	210
215																11.5	152.8	8,400	22.8	180.6	6,600	215
220																			17.8	166.7	6,000	220
225																			10.8	146.5	5,500	225

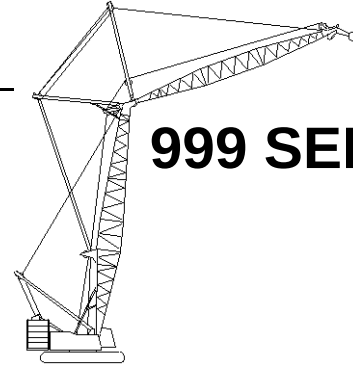


Liftcrane Luffing Jib Capacities

999 SERIES 3

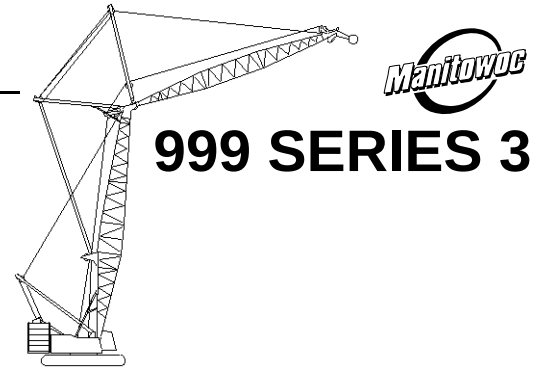
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



120 Ft. Boom, 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	60,800*																80
85	66.3	292.3	50,700*	67.7	293.8	59,100*	69.9	295.6	58,900*													85
90	64.5	290.0	50,300*	66.0	291.6	56,500*	68.2	293.6	56,800													90
95	62.8	287.4	47,700*	64.2	289.3	54,100*	66.4	291.5	52,600													95
100	60.9	284.7	45,200*	62.5	286.7	51,700	64.7	289.1	48,900	66.9	290.9	46,100										100
105	59.1	281.8	42,700*	60.6	283.9	48,300	62.9	286.6	45,600	65.1	288.7	42,900										105
110	57.2	278.6	40,400*	58.8	281.0	45,100	61.1	283.9	42,600	63.3	286.2	40,000										110
115	55.3	275.2	38,100*	56.9	277.8	42,300	59.3	281.0	39,900	61.5	283.6	37,400										115
120	53.3	271.6	36,100*	55.0	274.4	39,700	57.4	277.9	37,400	59.7	280.7	35,100										120
125	51.3	267.7	34,100*	53.0	270.7	37,400	55.5	274.5	35,100	57.8	277.6	32,900	61.6	281.2	29,300							125
130	49.2	263.4	32,200*	51.0	266.7	35,200	53.5	270.9	33,100	55.9	274.3	30,900	59.8	278.3	27,400							130
135	47.1	258.9	30,400*	48.9	262.4	33,200	51.5	267.0	31,200	54.0	270.7	29,100	57.9	275.3	25,800							135
140	44.8	254.0	28,800*	46.7	257.8	31,400	49.4	262.8	29,400	52.0	266.9	27,400	56.0	272.0	24,200							140
145	42.5	248.7	27,200*	44.5	252.8	29,700	47.2	258.3	27,800	49.9	262.8	25,900	54.0	268.4	22,800	57.9	271.9	19,700				145
150	40.1	242.9	25,900*	42.1	247.5	28,100	45.0	253.4	26,300	47.8	258.3	24,400	52.0	264.6	21,400	56.0	268.6	18,500				150
155	37.5	236.6	24,600*	39.7	241.6	26,600	42.7	248.1	24,800	45.6	253.6	23,100	50.0	260.5	20,200	54.0	265.0	17,300				155
160	34.8	229.6	23,400*	37.1	235.2	25,200	40.3	242.4	23,500	43.3	248.4	21,800	47.8	256.0	19,000	52.0	261.2	16,300				160
165	31.9	221.9	22,400*	34.3	228.1	23,900	37.7	236.1	22,300	40.9	242.8	20,600	45.6	251.3	17,900	49.9	257.1	15,300				165
170	28.7	213.2	21,400*	31.4	220.3	22,700	35.0	229.2	21,100	38.4	236.6	19,500	43.4	246.1	16,900	47.8	252.6	14,300	51.8	256.7	11,800	170
175	25.1	203.2	20,600*	28.1	211.4	21,500	32.1	221.6	20,000	35.7	229.9	18,500	41.0	240.5	15,900	45.6	247.9	13,500	49.8	252.5	11,000	175
180	20.9	191.2	20,000*	24.5	201.0	20,400	28.9	213.0	19,000	32.8	222.4	17,500	38.5	234.4	15,000	43.3	242.7	12,600	47.6	248.1	10,300	180
185	15.8	175.7	19,400*	20.2	188.6	19,400	25.4	203.1	18,000	29.7	214.1	16,500	35.8	227.7	14,200	40.9	237.1	11,800	45.4	243.3	9,600	185
190	7.7	150.7	16,300*	14.8	172.3	18,400	21.3	191.2	17,000	26.3	204.5	15,600	32.9	220.3	13,300	38.4	231.0	11,100	43.1	238.1	8,900	190
195				5.2	142.6	16,000*	16.3	176.2	16,100	22.4	193.2	14,800	29.8	211.9	12,600	35.7	224.3	10,400	40.7	232.4	8,200	195
200							8.7	152.8	15,200	17.6	179.2	14,000	26.4	202.4	11,800	32.9	216.8	9,700	38.2	226.3	7,600	200
205										11.0	159.0	13,200	22.5	191.2	11,100	29.8	208.5	9,000	35.5	219.5	7,000	205
210													17.8	177.3	10,400	26.4	198.9	8,400	32.7	212.0	6,500	210
215													11.3	157.5	9,700	22.5	187.7	7,800	29.5	203.6	5,900	215
220																17.7	173.7	7,200	26.1	193.9	5,400	220
225																11.2	153.7	6,700	22.1	182.5	4,900	225
230																			17.3	168.2	4,400	230



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

120 Ft. Boom, 190 Ft. 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	75.6	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	54,300*	71.0	306.2	52,600*													85
90	66.0	301.0	45,800*	67.3	302.5	54,000*	69.4	304.3	52,600*													90
95	64.3	298.6	45,200*	65.7	300.3	52,500*	67.7	302.3	52,300													95
100	62.6	296.1	44,000*	64.0	297.9	50,400*	66.1	300.2	48,600													100
105	60.9	293.4	41,800*	62.3	295.4	48,000	64.4	297.8	45,300	66.5	299.7	42,600										105
110	59.1	290.4	39,600*	60.6	292.6	44,800	62.8	295.3	42,300	64.8	297.4	39,700										110
115	57.4	287.3	37,600*	58.9	289.6	42,000	61.0	292.6	39,600	63.2	294.9	37,100										115
120	55.5	283.9	35,600*	57.1	286.5	39,400	59.3	289.7	37,100	61.4	292.2	34,800										120
125	53.7	280.3	33,800*	55.2	283.1	37,100	57.5	286.6	34,800	59.7	289.3	32,600										125
130	51.8	276.5	32,000*	53.4	279.4	34,900	55.7	283.2	32,800	57.9	286.3	30,600	61.5	289.9	27,100							130
135	49.8	272.3	30,300*	51.5	275.5	32,900	53.8	279.6	30,900	56.1	283.0	28,800	59.8	287.0	25,500							135
140	47.8	267.9	28,800*	49.5	271.3	31,100	51.9	275.8	29,100	54.3	279.5	27,200	58.0	283.9	23,900							140
145	45.7	263.1	27,300*	47.5	266.8	29,400	50.0	271.7	27,500	52.4	275.7	25,600	56.2	280.7	22,500							145
150	43.6	258.0	25,900*	45.4	262.0	27,800	48.0	267.3	26,000	50.5	271.6	24,100	54.4	277.1	21,100	58.0	280.6	18,200				150
155	41.3	252.5	24,600*	43.2	256.8	26,300	45.9	262.5	24,600	48.5	267.3	22,800	52.5	273.4	19,900	56.2	277.3	17,100				155
160	39.0	246.5	23,400*	40.9	251.2	25,000	43.7	257.4	23,200	46.4	262.7	21,500	50.5	269.3	18,700	54.3	273.7	16,000				160
165	36.5	239.9	22,300*	38.6	245.1	23,700	41.5	251.9	22,000	44.3	257.6	20,400	48.5	265.0	17,600	52.4	270.0	15,000				165
170	33.8	232.7	21,300*	36.0	238.5	22,400	39.2	246.0	20,800	42.1	252.2	19,300	46.5	260.4	16,600	50.5	265.9	14,000				170
175	31.0	224.7	20,400*	33.4	231.1	21,300	36.7	239.5	19,700	39.7	246.4	18,200	44.4	255.4	15,700	48.5	261.6	13,200	52.3	265.5	10,700	175
180	27.9	215.7	19,700*	30.5	223.0	20,200	34.1	232.3	18,700	37.3	240.0	17,200	42.1	250.0	14,800	46.5	257.0	12,300	50.3	261.4	10,000	180
185	24.4	205.3	19,000*	27.3	213.8	19,200	31.2	224.4	17,700	34.7	233.0	16,300	39.8	244.1	13,900	44.3	252.0	11,600	48.3	257.1	9,300	185
190	20.4	192.9	18,400*	23.8	203.1	18,200	28.1	215.5	16,800	31.9	225.3	15,400	37.4	237.8	13,100	42.1	246.6	10,800	46.3	252.4	8,600	190
195	15.4	177.1	17,200*	19.6	190.3	17,300	24.7	205.2	15,900	28.9	216.7	14,600	34.8	230.8	12,300	39.8	240.7	10,100	44.1	247.4	7,900	195
200	7.5	151.4	14,400*	14.4	173.6	16,400	20.7	193.1	15,100	25.6	206.8	13,800	32.0	223.1	11,600	37.3	234.4	9,400	41.9	241.9	7,300	200
205				5.0	143.0	14,100*	15.8	177.6	14,300	21.8	195.2	13,000	29.0	214.5	10,900	34.8	227.4	8,800	39.6	236.0	6,800	205
210							8.4	153.5	13,400	17.1	180.7	12,200	25.7	204.7	10,200	32.0	219.7	8,200	37.1	229.6	6,200	210
215										10.7	159.9	11,500	21.9	193.2	9,600	29.0	211.1	7,600	34.5	222.6	5,700	215
220													17.3	178.8	8,900	25.6	201.2	7,000	31.8	214.8	5,200	220
225													11.0	158.4	8,300	21.8	189.6	6,500	28.7	206.1	4,700	225
230																17.2	175.2	6,000	25.4	196.2	4,200	230
235																10.9	154.7	5,400				235



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



120 Ft. Boom, 200 Ft. Jib

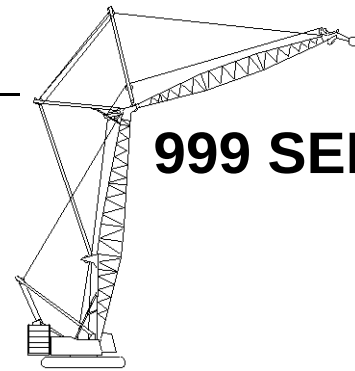
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	
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	48,800*	70.5	315.0	47,300*													90
95	65.7	309.7	41,600*	67.0	311.3	48,400*	68.9	313.1	47,200*													95
100	64.1	307.3	41,100*	65.4	309.0	48,100*	67.4	311.1	47,000*													100
105	62.5	304.8	40,300*	63.8	306.6	46,900*	65.8	308.9	44,700	67.7	310.5	41,900										105
110	60.8	302.0	38,400*	62.2	304.0	44,300	64.2	306.5	41,700	66.2	308.4	39,100										110
115	59.2	299.1	36,600*	60.6	301.3	41,500	62.6	304.0	39,000	64.6	306.1	36,500										115
120	57.5	296.0	34,800*	58.9	298.3	38,900	61.0	301.3	36,500	63.0	303.6	34,100										120
125	55.8	292.6	33,000*	57.2	295.1	36,500	59.3	298.3	34,200	61.4	300.9	32,000										125
130	54.0	289.1	31,400*	55.5	291.8	34,400	57.6	295.2	32,200	59.7	298.0	30,000										130
135	52.2	285.3	29,900*	53.7	288.2	32,400	55.9	291.9	30,300	58.0	294.9	28,200	61.4	298.5	24,800							135
140	50.4	281.2	28,400*	51.9	284.3	30,600	54.2	288.4	28,500	56.3	291.7	26,500	59.8	295.7	23,200							140
145	48.5	276.9	27,000*	50.1	280.2	28,900	52.4	284.6	26,900	54.6	288.2	25,000	58.1	292.6	21,800							145
150	46.5	272.2	25,700*	48.2	275.8	27,300	50.5	280.5	25,400	52.8	284.5	23,500	56.4	289.3	20,500							150
155	44.5	267.3	24,400*	46.2	271.1	25,800	48.6	276.2	24,000	51.0	280.5	22,200	54.6	285.9	19,200							155
160	42.4	261.9	23,200*	44.2	266.1	24,400	46.7	271.6	22,700	49.1	276.2	20,900	52.9	282.1	18,100	56.4	286.0	15,300				160
165	40.2	256.1	22,100*	42.0	260.7	23,100	44.7	266.7	21,400	47.2	271.7	19,800	51.0	278.2	17,000	54.6	282.5	14,300				165
170	37.9	249.9	21,100*	39.8	254.9	21,900	42.6	261.4	20,300	45.2	266.8	18,600	49.2	273.9	16,000	52.8	278.8	13,300				170
175	35.5	243.1	20,200*	37.5	248.5	20,800	40.4	255.6	19,200	43.1	261.6	17,600	47.2	269.4	15,000	51.0	274.8	12,500				175
180	32.9	235.6	19,400*	35.1	241.6	19,700	38.1	249.4	18,200	40.9	256.0	16,600	45.2	264.6	14,100	49.1	270.5	11,600	52.7	274.3	9,200	180
185	30.2	227.4	18,600*	32.5	234.1	18,700	35.7	242.7	17,200	38.7	249.9	15,700	43.2	259.4	13,300	47.2	266.0	10,900	50.9	270.3	8,500	185
190	27.1	218.1	17,900*	29.7	225.6	17,700	33.2	235.3	16,300	36.3	243.3	14,800	41.0	253.7	12,500	45.2	261.2	10,100	49.0	266.0	7,900	190
195	23.8	207.4	17,200*	26.6	216.1	16,800	30.4	227.1	15,400	33.8	236.1	14,000	38.8	247.7	11,700	43.1	255.9	9,400	47.0	261.4	7,200	195
200	19.8	194.7	16,400*	23.2	205.2	15,900	27.4	217.9	14,600	31.1	228.1	13,200	36.4	241.1	11,000	41.0	250.3	8,800	45.0	256.6	6,600	200
205	15.0	178.3	15,000*	19.1	192.0	15,100	24.1	207.4	13,800	28.2	219.2	12,400	33.9	233.9	10,300	38.7	244.3	8,100	43.0	251.3	6,000	205
210	7.3	152.0	12,400*	14.0	174.8	14,200	20.2	194.8	13,000	24.9	209.0	11,700	31.2	225.9	9,600	36.4	237.7	7,500	40.8	245.7	5,500	210
215				4.9	143.4	12,200*	15.4	178.9	12,200	21.2	197.0	11,000	28.3	217.0	9,000	33.8	230.4	6,900	38.5	239.6	5,000	215
220							8.2	154.2	11,500	16.7	182.1	10,300	25.0	206.9	8,400	31.1	222.5	6,400	36.2	232.9	4,500	220
225										10.4	160.8	9,700	21.3	195.0	7,800	28.2	213.6	5,900	33.6	225.6	4,000	225
230													16.9	180.3	7,200	25.0	203.4	5,400				230
235													10.7	159.3	6,600	21.3	191.5	4,900				235
240																16.8	176.7	4,400				240



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

120 Ft. Boom, 210 Ft. Jib

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	75.6	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	42,600*													95
100	65.4	318.4	37,800*	66.7	320.0	43,500*	68.5	321.9	42,400*													100
105	63.9	316.0	37,300*	65.2	317.7	43,200*	67.0	319.8	42,200*													105
110	62.4	313.4	36,900*	63.6	315.3	42,900*	65.5	317.6	41,200	67.4	319.3	38,500										110
115	60.8	310.7	35,400*	62.1	312.7	41,000	64.0	315.2	38,500	65.9	317.1	35,900										115
120	59.2	307.8	33,800*	60.5	309.9	38,400	62.5	312.6	36,000	64.4	314.7	33,600										120
125	57.6	304.7	32,200*	59.0	307.0	36,100	60.9	309.9	33,800	62.9	312.2	31,500										125
130	56.0	301.3	30,700*	57.3	303.8	33,900	59.4	307.0	31,700	61.3	309.5	29,500										130
135	54.3	297.8	29,300*	55.7	300.5	31,900	57.8	303.9	29,800	59.7	306.7	27,700	62.9	309.9	24,200							135
140	52.6	294.1	27,900*	54.0	296.9	30,100	56.1	300.6	28,000	58.1	303.6	26,000	61.4	307.2	22,700							140
145	50.9	290.1	26,600*	52.3	293.1	28,400	54.5	297.1	26,400	56.5	300.4	24,500	59.8	304.3	21,200							145
150	49.1	285.8	25,400*	50.6	289.1	26,800	52.7	293.4	24,900	54.9	296.9	23,000	58.2	301.3	19,900							150
155	47.2	281.3	24,200*	48.8	284.8	25,300	51.0	289.4	23,500	53.2	293.2	21,700	56.6	298.0	18,700							155
160	45.3	276.4	23,100*	46.9	280.2	24,000	49.2	285.2	22,200	51.4	289.3	20,400	54.9	294.6	17,500							160
165	43.4	271.2	22,000*	45.0	275.3	22,700	47.4	280.6	21,000	49.7	285.1	19,300	53.2	290.9	16,500	56.5	294.6	13,700				165
170	41.3	265.7	21,000*	43.0	270.1	21,500	45.5	275.8	19,800	47.8	280.7	18,200	51.5	287.0	15,400	54.9	291.2	12,800				170
175	39.2	259.7	20,100*	41.0	264.4	20,300	43.5	270.7	18,700	45.9	276.0	17,100	49.7	282.8	14,500	53.2	287.5	11,900				175
180	37.0	253.3	19,200*	38.8	258.4	19,200	41.5	265.2	17,700	44.0	270.9	16,100	47.9	278.4	13,600	51.5	283.6	11,100				180
185	34.6	246.2	18,400*	36.6	251.8	18,200	39.4	259.2	16,700	42.0	265.5	15,200	46.0	273.7	12,700	49.7	279.4	10,300				185
190	32.1	238.5	17,700*	34.2	244.7	17,300	37.2	252.8	15,800	39.9	259.6	14,300	44.1	268.6	11,900	47.9	275.0	9,600	51.3	279.1	7,300	190
195	29.4	230.0	16,800*	31.7	236.9	16,400	34.8	245.8	14,900	37.7	253.3	13,500	42.1	263.2	11,200	46.0	270.3	8,900	49.5	274.9	6,700	195
200	26.5	220.4	15,900*	28.9	228.2	15,500	32.3	238.2	14,100	35.4	246.5	12,700	40.0	257.4	10,500	44.0	265.2	8,200	47.7	270.4	6,100	200
205	23.2	209.5	15,100*	26.0	218.5	14,700	29.6	229.7	13,300	32.9	239.0	12,000	37.8	251.1	9,800	42.0	259.8	7,600	45.8	265.7	5,500	205
210	19.4	196.4	14,300*	22.6	207.2	13,900	26.7	220.3	12,600	30.3	230.8	11,300	35.5	244.3	9,100	39.9	254.0	7,000	43.9	260.6	5,000	210
215	14.6	179.6	13,000*	18.7	193.6	13,100	23.5	209.4	11,800	27.5	221.6	10,600	33.0	236.9	8,500	37.7	247.7	6,400	41.9	255.2	4,400	215
220	7.1	152.6	10,600*	13.6	176.0	12,400	19.7	196.6	11,200	24.3	211.1	9,900	30.4	228.7	7,900	35.4	240.9	5,900				220
225				4.8	143.8	10,400*	15.0	180.2	10,500	20.7	198.8	9,300	27.6	219.5	7,300	33.0	233.4	5,400				225
230							8.0	154.9	9,800	16.3	183.6	8,700	24.4	209.1	6,800	30.4	225.2	4,900				230
235										10.1	161.6	8,100	20.8	196.9	6,200	27.5	216.0	4,400				235
240													16.5	181.7	5,700							240
245													10.4	160.2	5,200							245



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



120 Ft. Boom, 220 Ft. Jib

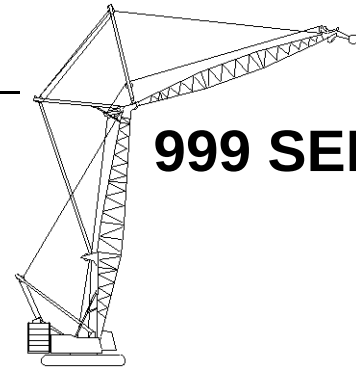
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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	38,300*										100
105	65.2	327.1	33,900*	66.4	328.7	39,000*	68.1	330.7	38,100*										105
110	63.7	324.7	33,600*	64.9	326.4	38,600*	66.7	328.6	37,800*										110
115	62.3	322.1	33,300*	63.5	324.0	38,300*	65.3	326.3	37,600*	67.1	328.0	35,300							115
120	60.8	319.4	32,600*	62.0	321.4	37,800	63.8	323.9	35,400	65.6	325.8	32,900							120
125	59.3	316.4	31,300*	60.5	318.6	35,500	62.4	321.3	33,100	64.2	323.4	30,800							125
130	57.7	313.3	29,900*	59.0	315.6	33,300	60.9	318.6	31,100	62.7	320.9	28,800							130
135	56.2	310.0	28,600*	57.5	312.5	31,400	59.4	315.7	29,200	61.3	318.2	27,000							135
140	54.6	306.5	27,300*	55.9	309.2	29,500	57.9	312.6	27,400	59.7	315.3	25,400	62.8	318.5	22,000				140
145	53.0	302.8	26,100*	54.3	305.6	27,800	56.3	309.3	25,800	58.2	312.3	23,800	61.3	315.8	20,500				145
150	51.3	298.9	24,900*	52.7	301.9	26,300	54.7	305.8	24,300	56.7	309.1	22,400	59.8	313.0	19,200				150
155	49.6	294.7	23,800*	51.0	297.9	24,800	53.1	302.1	22,900	55.1	305.6	21,100	58.3	309.9	18,000				155
160	47.9	290.3	22,800*	49.3	293.7	23,400	51.4	298.2	21,600	53.5	302.0	19,800	56.7	306.7	16,900				160
165	46.1	285.5	21,700*	47.6	289.2	22,100	49.7	294.1	20,400	51.8	298.1	18,600	55.2	303.3	15,800				165
170	44.2	280.5	20,800*	45.8	284.4	20,900	48.0	289.6	19,200	50.2	294.0	17,500	53.5	299.7	14,800	56.7	303.3	12,100	170
175	42.3	275.1	19,900*	43.9	279.4	19,800	46.2	284.9	18,100	48.4	289.7	16,500	51.9	295.8	13,800	55.1	299.9	11,200	175
180	40.3	269.4	19,000*	42.0	273.9	18,700	44.4	279.9	17,100	46.7	285.0	15,500	50.2	291.7	12,900	53.5	296.3	10,400	180
185	38.3	263.2	18,200*	40.0	268.1	17,700	42.5	274.6	16,200	44.8	280.1	14,600	48.5	287.4	12,100	51.9	292.4	9,600	185
190	36.1	256.5	17,200*	37.9	261.8	16,700	40.5	268.9	15,200	42.9	274.9	13,700	46.7	282.8	11,300	50.2	288.3	8,900	190
195	33.8	249.3	16,300*	35.7	255.1	15,800	38.4	262.7	14,400	41.0	269.2	12,900	44.9	277.8	10,500	48.5	284.0	8,200	195
200	31.3	241.3	15,400*	33.4	247.7	15,000	36.3	256.1	13,600	38.9	263.2	12,100	43.0	272.6	9,800	46.7	279.3	7,500	200
205	28.7	232.6	14,500*	30.9	239.7	14,100	34.0	248.9	12,800	36.8	256.7	11,400	41.0	267.0	9,100	44.9	274.4	6,900	205
210	25.8	222.7	13,700*	28.3	230.7	13,400	31.6	241.0	12,000	34.5	249.6	10,700	39.0	260.9	8,500	43.0	269.2	6,300	210
215	22.6	211.4	13,000*	25.3	220.7	12,600	28.9	232.3	11,300	32.2	241.9	10,000	36.9	254.5	7,900	41.0	263.6	5,800	215
220	18.9	198.0	12,300*	22.1	209.1	11,900	26.1	222.6	10,600	29.6	233.4	9,400	34.6	247.4	7,300	39.0	257.5	5,200	220
225	14.2	180.8	11,100*	18.2	195.2	11,200	22.9	211.5	10,000	26.8	224.0	8,700	32.2	239.8	6,700	36.8	251.0	4,700	225
230	6.9	153.1	8,900*	13.3	177.1	10,500	19.2	198.2	9,300	23.7	213.2	8,100	29.7	231.3	6,200	34.6	244.0	4,200	230
235				4.6	144.2	8,700*	14.7	181.5	8,700	20.2	200.6	7,600	26.9	221.9	5,600				235
240							7.8	155.5	8,100	15.9	184.9	7,000	23.8	211.2	5,100				240
245										9.9	162.5	6,400	20.3	198.6	4,600				245
250													16.1	183.1	4,200				250



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

120 Ft. Boom, 230 Ft. Jib

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	75.6	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	36,800*										100
105	66.3	338.1	31,700*	67.5	339.6	37,100*	69.1	341.4	36,600*										105
110	64.9	335.8	31,300*	66.1	337.4	36,700*	67.8	339.4	36,400*										110
115	63.6	333.4	31,000*	64.7	335.1	36,000*	66.4	337.3	36,200*										115
120	62.2	330.8	29,900*	63.3	332.7	34,800*	65.1	335.0	35,000	66.8	336.8	32,500							120
125	60.7	328.0	28,600*	61.9	330.0	33,500*	63.7	332.6	32,700	65.4	334.5	30,400							125
130	59.3	325.1	27,400*	60.5	327.2	32,300*	62.3	330.0	30,700	64.0	332.1	28,400							130
135	57.8	322.0	26,300*	59.1	324.3	30,900	60.9	327.2	28,800	62.6	329.6	26,600							135
140	56.3	318.7	25,200*	57.6	321.2	29,100	59.4	324.3	27,000	61.2	326.9	24,900							140
145	54.8	315.3	24,100*	56.1	317.9	27,400	58.0	321.2	25,400	59.8	324.0	23,400	62.7	327.2	20,100				145
150	53.3	311.6	23,000*	54.6	314.4	25,800	56.5	318.0	23,900	58.3	321.0	22,000	61.2	324.5	18,800				150
155	51.7	307.7	22,000*	53.0	310.7	24,400	55.0	314.5	22,500	56.8	317.7	20,600	59.8	321.6	17,600				155
160	50.1	303.6	21,100*	51.4	306.7	23,000	53.4	310.9	21,200	55.3	314.3	19,400	58.4	318.6	16,400				160
165	48.4	299.2	20,200*	49.8	302.6	21,700	51.8	307.0	20,000	53.8	310.7	18,200	56.9	315.4	15,400				165
170	46.7	294.6	19,300*	48.2	298.2	20,500	50.2	302.9	18,800	52.2	306.9	17,100	55.4	312.0	14,400				170
175	45.0	289.7	18,500*	46.5	293.5	19,400	48.6	298.6	17,700	50.6	302.9	16,100	53.8	308.4	13,400	56.9	312.0	10,800	175
180	43.2	284.5	17,700*	44.7	288.6	18,300	46.9	294.0	16,700	49.0	298.6	15,100	52.3	304.6	12,500	55.3	308.6	10,000	180
185	41.3	278.9	17,000*	42.9	283.3	17,300	45.1	289.1	15,800	47.3	294.1	14,200	50.7	300.6	11,700	53.8	305.0	9,200	185
190	39.4	273.0	16,400*	41.0	277.7	16,400	43.3	283.9	14,900	45.6	289.3	13,400	49.0	296.3	10,900	52.2	301.2	8,500	190
195	37.4	266.6	15,700*	39.1	271.7	15,500	41.5	278.4	14,000	43.8	284.1	12,500	47.4	291.8	10,100	50.6	297.2	7,800	195
200	35.3	259.7	15,000*	37.0	265.2	14,600	39.6	272.5	13,200	41.9	278.7	11,800	45.6	287.0	9,400	49.0	292.9	7,100	200
205	33.0	252.2	14,200*	34.9	258.2	13,800	37.5	266.1	12,400	40.0	272.9	11,000	43.8	281.9	8,700	47.3	288.4	6,500	205
210	30.6	244.1	13,400*	32.6	250.7	13,000	35.4	259.3	11,700	38.0	266.6	10,300	42.0	276.4	8,100	45.6	283.6	5,900	210
215	28.1	235.1	12,600*	30.2	242.4	12,300	33.2	251.9	10,900	36.0	259.9	9,600	40.1	270.6	7,500	43.8	278.5	5,400	215
220	25.3	225.0	11,900*	27.6	233.2	11,500	30.8	243.8	10,300	33.8	252.7	9,000	38.1	264.4	6,900	42.0	273.0	4,800	220
225	22.1	213.4	11,200*	24.8	222.9	10,900	28.3	234.8	9,600	31.4	244.7	8,400	36.0	257.7	6,300	40.1	267.2	4,300	225
230	18.5	199.6	10,600*	21.6	211.0	10,200	25.5	224.9	9,000	28.9	236.0	7,800	33.8	250.5	5,800				230
235	13.9	182.0	9,400*	17.8	196.8	9,600	22.4	213.4	8,400	26.2	226.3	7,200	31.5	242.6	5,300				235
240	6.7	153.7	7,300*	13.0	178.2	9,000	18.8	199.9	7,800	23.2	215.3	6,700	29.0	233.9	4,800				240
245				4.5	144.6	7,200*	14.4	182.7	7,300	19.7	202.3	6,200	26.3	224.2	4,300				245
250							7.6	156.2	6,700	15.5	186.3	5,600							250
255										9.7	163.3	5,100							255

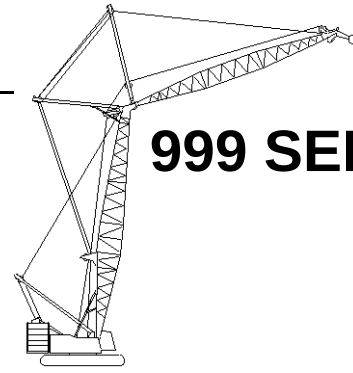


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



120 Ft. Boom, 240 Ft. Jib

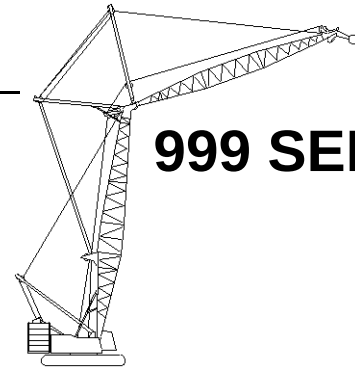
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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	
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	32,900*										110
115	64.7	344.5	28,400*	65.8	346.2	33,000*	67.5	348.2	32,700*										115
120	63.4	342.0	28,100*	64.5	343.8	32,700*	66.2	346.0	32,500*	67.8	347.6	31,900							120
125	62.1	339.4	27,500*	63.2	341.3	31,900*	64.9	343.7	32,100	66.5	345.5	29,700							125
130	60.7	336.7	26,400*	61.8	338.7	30,900*	63.5	341.2	30,100	65.2	343.2	27,800							130
135	59.3	333.8	25,400*	60.5	335.9	29,800*	62.2	338.6	28,200	63.8	340.8	26,000							135
140	57.9	330.7	24,300*	59.1	333.0	28,600	60.8	335.9	26,400	62.5	338.2	24,300							140
145	56.5	327.4	23,300*	57.7	329.8	26,900	59.4	333.0	24,800	61.1	335.5	22,800							145
150	55.0	324.0	22,400*	56.3	326.6	25,300	58.0	329.9	23,300	59.8	332.7	21,400	62.6	335.9	18,100				150
155	53.6	320.3	21,500*	54.8	323.1	23,800	56.6	326.7	21,900	58.4	329.6	20,000	61.2	333.2	16,900				155
160	52.1	316.5	20,600*	53.3	319.4	22,500	55.2	323.2	20,600	57.0	326.4	18,800	59.8	330.3	15,800				160
165	50.5	312.4	19,700*	51.8	315.5	21,200	53.7	319.6	19,400	55.5	323.0	17,600	58.4	327.3	14,700				165
170	49.0	308.2	18,900*	50.3	311.5	20,000	52.2	315.8	18,200	54.0	319.5	16,500	57.0	324.1	13,700				170
175	47.3	303.6	18,200*	48.7	307.1	18,800	50.7	311.8	17,200	52.6	315.7	15,500	55.6	320.7	12,800				175
180	45.7	298.8	17,400*	47.1	302.6	17,800	49.1	307.5	16,200	51.0	311.7	14,500	54.1	317.1	11,900	57.0	320.7	9,300	180
185	44.0	293.8	16,700*	45.4	297.7	16,800	47.5	303.0	15,200	49.5	307.5	13,600	52.6	313.4	11,000	55.5	317.3	8,500	185
190	42.2	288.4	16,100*	43.7	292.6	15,800	45.8	298.2	14,300	47.9	303.1	12,800	51.1	309.4	10,200	54.1	313.7	7,800	190
195	40.4	282.6	15,400*	41.9	287.1	14,900	44.1	293.2	13,400	46.2	298.4	11,900	49.5	305.2	9,500	52.6	310.0	7,100	195
200	38.5	276.5	14,500*	40.1	281.3	14,100	42.4	287.8	12,600	44.5	293.4	11,200	47.9	300.8	8,800	51.1	306.0	6,500	200
205	36.6	269.9	13,600*	38.2	275.1	13,200	40.6	282.1	11,800	42.8	288.1	10,400	46.3	296.1	8,100	49.5	301.8	5,800	205
210	34.5	262.8	12,800*	36.2	268.5	12,500	38.7	276.0	11,100	41.0	282.5	9,700	44.6	291.1	7,500	47.9	297.4	5,300	210
215	32.3	255.1	12,100*	34.1	261.3	11,700	36.7	269.5	10,400	39.1	276.4	9,100	42.9	285.8	6,900	46.3	292.7	4,700	215
220	30.0	246.8	11,400*	31.9	253.5	11,000	34.7	262.4	9,700	37.2	270.0	8,400	41.1	280.2	6,300	44.6	287.7	4,200	220
225	27.5	237.5	10,700*	29.6	245.0	10,400	32.5	254.8	9,100	35.2	263.1	7,800	39.2	274.2	5,700				225
230	24.7	227.2	10,000*	27.0	235.6	9,700	30.2	246.5	8,500	33.0	255.6	7,200	37.3	267.8	5,200				230
235	21.6	215.3	9,400*	24.2	225.0	9,100	27.7	237.3	7,900	30.7	247.5	6,700	35.2	260.9	4,700				235
240	18.1	201.2	8,800*	21.1	212.9	8,500	25.0	227.1	7,300	28.3	238.5	6,100	33.1	253.4	4,200				240
245	13.6	183.2	7,700*	17.4	198.3	7,900	21.9	215.4	6,800	25.6	228.6	5,600							245
250	6.6	154.3	5,800*	12.7	179.3	7,300	18.4	201.5	6,200	22.7	217.3	5,100							250
255				4.4	144.9	5,600*	14.0	184.0	5,700	19.3	204.0	4,600							255
260							7.4	156.8	5,200	15.2	187.6	4,100							260



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

130 Ft. Boom, 70 Ft. Jib

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	62.3	199.1	118,700*b																45
50	58.0	196.7	111,500*b	57.5	196.0	110,300*b	63.9	199.2	120,500*b													50
55	52.9	193.1	103,900*	52.4	192.4	103,000*	59.2	196.4	112,100*b	65.5	198.9	110,600b										55
60	47.5	188.8	97,300*	47.0	188.0	96,400*	54.3	193.0	103,200	60.9	196.3	99,900b										60
65	41.6	183.5	91,600*																			65
70	34.8	176.9	86,600*	41.0	182.6	90,800*	49.0	188.9	94,000	56.0	193.1	91,000b										70
75	26.5	168.1	80,300*	34.1	175.9	85,800*	43.2	183.9	86,100	50.8	189.2	83,400	61.8	194.2	78,900b							75
80	14.1	153.8	65,500*	25.6	166.8	81,600*	36.7	177.7	79,400	45.2	184.6	76,900	57.0	191.2	72,700b							80
85				12.2	151.2	65,200*	28.9	169.6	73,500	39.0	178.8	71,300	51.9	187.5	67,400							85
90							18.1	157.5	68,300	31.7	171.5	66,300	46.4	183.0	62,700	57.8	188.1	59,100b				90
95										22.4	161.3	61,800	40.4	177.5	58,500	52.7	184.5	55,200				95
100													33.4	170.5	54,800	47.3	180.1	51,700				100
105													24.6	161.1	51,500	41.3	174.8	48,600				105
110													9.9	143.9	48,300	34.5	168.1	45,700	47.8	176.0	43,000	110
115																26.1	159.2	43,100	41.8	170.7	40,600	115
120																13.3	144.4	40,700	35.1	164.2	38,300	120
125																			26.9	155.5	36,300	125
130																			14.8	141.6	34,300	130

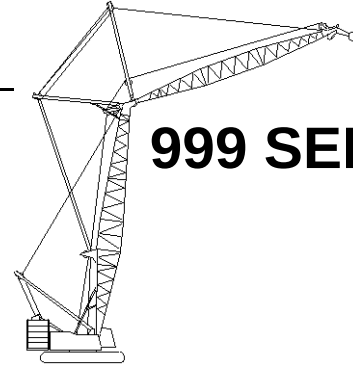


Liftcrane Luffing Jib Capacities

999 SERIES 3

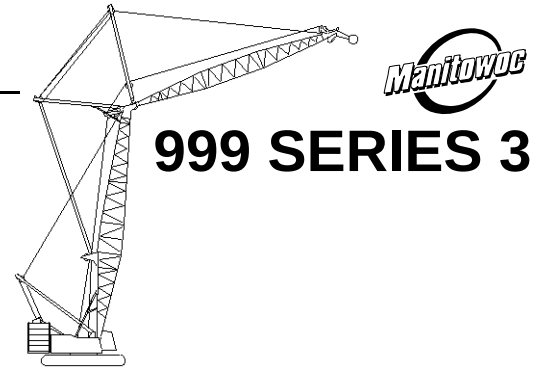
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	117,100*b													55
60	53.9	201.8	94,700*	57.8	204.7	100,300*	63.4	207.9	109,200*b													60
65	49.2	197.7	89,000*	53.4	201.2	94,000*	59.3	205.1	102,000*	64.8	207.6	99,400b										65
70	44.2	192.9	84,000*	48.8	197.0	88,500*	55.0	201.7	93,500	60.8	205.0	90,500										70
75	38.7	187.0	76,600*	43.7	192.1	83,500*	50.5	197.8	85,800	56.5	201.8	82,900										75
80	32.4	179.8	70,600*	38.2	186.1	79,100*	45.6	193.1	79,100	52.1	198.1	76,500	61.6	202.9	72,200							80
85	24.7	170.3	65,900*	31.8	178.7	75,300*	40.2	187.6	73,200	47.3	193.7	70,800	57.4	199.8	66,800							85
90	13.1	154.9	57,900*	23.9	168.9	70,300	34.2	180.8	68,100	42.1	188.5	65,900	53.0	196.3	62,200							90
95				11.4	152.2	57,700*	26.9	172.0	63,600	36.3	182.1	61,500	48.3	192.0	58,100							95
100							16.9	158.9	59,500	29.6	174.2	57,600	43.2	187.0	54,400	53.7	193.2	51,100				100
105										20.9	163.1	54,100	37.6	180.9	51,100	49.0	189.1	48,000				105
110													31.1	173.3	48,100	44.0	184.2	45,200				110
115													22.9	163.1	45,300	38.5	178.3	42,700	49.4	184.9	40,000	115
120													9.2	144.6	42,700	32.1	171.0	40,300	44.4	180.1	37,800	120
125																24.3	161.3	38,100	39.0	174.3	35,800	125
130																12.4	145.4	36,100	32.7	167.2	33,900	130
135																			25.1	157.7	32,200	135
140																			13.7	142.8	30,500	140



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	113,900*b													55
60	58.4	214.0	92,500*	61.8	216.4	98,000*	66.6	219.0	106,600*b													60
65	54.6	210.6	87,100*	58.1	213.4	92,000*	63.1	216.6	99,900*	67.8	218.6	99,000b										65
70	50.5	206.6	82,100*	54.2	209.9	86,700*	59.4	213.7	93,300	64.3	216.3	90,200										70
75	46.2	202.1	74,700*	50.1	205.9	81,800*	55.6	210.4	85,500	60.7	213.6	82,600										75
80	41.5	196.7	68,400*	45.8	201.3	77,500*	51.6	206.6	78,800	56.9	210.5	76,200										80
85	36.4	190.4	62,900*	41.1	195.8	73,600*	47.4	202.2	73,000	53.0	206.9	70,600	61.4	211.6	66,500							85
90	30.5	182.5	58,400*	35.9	189.4	69,500*	42.8	197.1	67,900	48.8	202.7	65,600	57.7	208.5	61,800							90
95	23.2	172.3	55,000*	29.9	181.4	64,200*	37.8	191.0	63,400	44.4	197.8	61,300	53.8	205.0	57,700							95
100	12.3	155.9	50,500*	22.4	170.8	60,100*	32.1	183.6	59,400	39.6	192.1	57,400	49.7	201.0	54,100							100
105				10.7	153.0	50,400*	25.3	174.2	55,800	34.1	185.2	53,900	45.3	196.2	50,800							105
110							15.9	160.3	52,500	27.8	176.6	50,800	40.6	190.7	47,800	54.4	202.0	47,700				110
115										19.6	164.8	47,900	35.3	184.1	45,100	50.4	198.0	44,900				115
120													29.2	175.9	42,700	46.0	193.4	42,300	50.7	193.8	37,400	120
125													21.6	165.0	40,400	41.3	188.0	40,000	46.4	189.3	35,400	125
130													8.6	145.3	38,200	36.2	181.6	37,900	41.7	184.0	33,600	130
135																30.2	173.7	35,900	36.6	177.6	31,900	135
140																22.9	163.3	34,100	30.7	169.9	30,300	140
145																11.6	146.4	32,400				145
150																			23.5	159.8	28,800	150
																			12.9	143.8	27,400	



Liftcrane Luffing Jib Capacities

999 SERIES 3

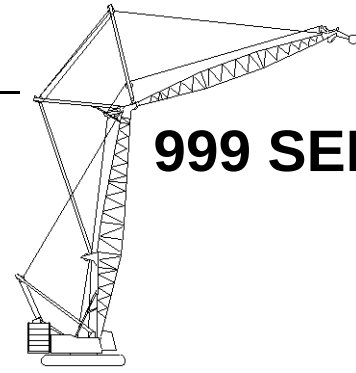
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	71.1	231.8	108,500*b																45
50	68.3	230.4	102,200*	68.0	229.9	101,700*																50
55	65.1	228.2	95,800*	64.8	227.6	95,400*	69.1	229.9	103,500*b													55
60	61.9	225.6	90,000*	61.6	225.0	89,700*	66.0	227.7	97,300*													60
65	58.6	222.7	84,700*																			65
70	55.1	219.3	79,900*	54.8	218.7	79,900*	62.8	225.2	91,500*	67.0	227.4	89,600										70
75	51.5	215.5	73,200*	51.2	214.8	75,600*	59.5	222.4	85,000	63.9	225.0	82,100										75
80	47.7	211.1	67,000*	47.4	210.4	71,800*	56.0	219.1	78,400	60.6	222.3	75,600										80
85	43.7	206.1	61,500*	43.3	205.3	68,400*	52.5	215.4	72,600	57.2	219.2	70,100										85
90	39.3	200.3	56,700*	40.7	200.3	61,500*	48.7	211.2	67,500	53.7	215.6	65,200	61.3	220.2	61,200							90
95	34.4	193.5	52,600*	38.9	199.4	63,000*	44.8	206.4	63,100	50.0	211.6	60,800	57.9	217.2	57,200							95
100	28.8	185.1	49,200*	33.9	192.4	58,200*	40.5	200.8	59,100	46.1	207.0	57,000	54.5	213.8	53,500							100
105	22.0	174.2	46,600*	28.3	183.9	54,200*	35.7	194.3	55,500	42.0	201.7	53,500	50.8	209.8	50,300							105
110	11.6	156.9	44,000*	21.2	172.7	51,000*	30.4	186.4	52,300	37.4	195.5	50,400	47.0	205.4	47,300	55.0	210.7	44,300				110
115				10.1	153.9	43,900*	23.9	176.3	49,300	32.3	188.1	47,600	42.9	200.2	44,600	51.4	206.9	41,700				115
120							15.0	161.6	46,600	26.3	179.0	45,000	38.4	194.2	42,200	47.6	202.5	39,500				120
125										18.6	166.4	42,600	33.4	187.1	40,000	43.5	197.4	37,400	51.7	202.7	34,800	125
130													27.6	178.4	37,900	39.1	191.6	35,400	47.9	198.3	33,000	130
135													20.4	166.8	36,000	34.2	184.7	33,700	43.8	193.4	31,300	135
140													8.1	146.0	34,100	28.6	176.3	32,000	39.5	187.6	29,800	140
145																21.6	165.2	30,400	34.6	180.8	28,300	145
150																11.0	147.3	28,900	29.1	172.5	27,000	150
155																			22.3	161.7	25,700	155
160																			12.2	144.9	24,400	160



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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*																			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	94,800*													65
70	58.7	231.3	77,800*	61.5	233.7	82,600*	65.4	236.4	89,400*													70
75	55.6	228.0	71,500*	58.4	230.7	78,100*	62.5	233.9	84,400*	66.4	236.1	81,900										75
80	52.4	224.3	65,800*	55.3	227.4	74,000*	59.5	231.0	78,300	63.5	233.7	75,500										80
85	48.9	220.1	60,600*	52.0	223.6	70,300*	56.4	227.8	72,500	60.5	230.9	69,900										85
90	45.4	215.4	55,700*	48.6	219.4	66,900*	53.2	224.2	67,400	57.5	227.9	65,000										90
95	41.5	209.9	51,500*	45.0	214.6	62,600*	49.8	220.1	63,000	54.3	224.4	60,700	61.2	228.9	57,000							95
100	37.4	203.7	47,900*	41.1	209.1	57,600*	46.3	215.6	59,000	51.0	220.5	56,900	58.1	225.9	53,400							100
105	32.7	196.4	44,700*	36.9	202.8	53,300*	42.5	210.3	55,400	47.5	216.1	53,400	55.0	222.5	50,100							105
110	27.4	187.5	42,100*	32.3	195.3	49,600*	38.5	204.3	52,200	43.9	211.1	50,300	51.7	218.7	47,200							110
115	20.9	176.1	40,200*	26.9	186.3	46,400*	34.0	197.3	49,300	39.9	205.4	47,500	48.3	214.4	44,500	55.5	219.4	41,600				115
120	11.0	157.8	38,900*	20.2	174.4	44,000*	28.9	188.9	46,600	35.6	198.7	44,900	44.6	209.5	42,100	52.2	215.7	39,300				120
125				9.6	154.7	38,900*	22.8	178.3	44,200	30.7	190.9	42,600	40.7	204.0	39,900	48.8	211.5	37,200				125
130							14.3	162.8	41,900	25.0	181.2	40,400	36.5	197.5	37,900	45.2	206.7	35,300	52.5	211.5	32,800	130
135										17.7	167.9	38,400	31.8	190.0	36,000	41.4	201.3	33,500	49.1	207.3	31,200	135
140													26.3	180.7	34,200	37.2	195.0	31,900	45.5	202.6	29,600	140
145													19.4	168.5	32,600	32.5	187.6	30,400	41.7	197.2	28,200	145
150													7.7	146.6	31,000	27.2	178.7	29,000	37.5	191.0	26,900	150
155																20.6	167.0	27,600	32.9	183.7	25,600	155
160																10.4	148.1	26,300	27.7	175.0	24,500	160
165																			21.2	163.6	23,300	165
170																			11.6	145.8	22,200	170



Liftcrane Luffing Jib Capacities

999 SERIES 3

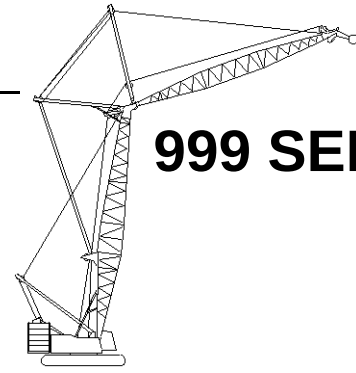
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	91,900*													65
70	61.6	242.9	75,400*	64.0	245.0	80,400*	67.6	247.4	86,900*													70
75	58.8	240.0	69,600*	61.3	242.4	76,200*	65.0	245.1	82,200*													75
80	56.0	236.7	64,300*	58.6	239.4	72,200*	62.3	242.6	77,800	65.9	244.8	75,000										80
85	53.0	233.1	59,500*	55.7	236.1	68,600*	59.6	239.7	72,000	63.2	242.3	69,400										85
90	49.9	229.0	55,000*	52.7	232.4	65,300*	56.7	236.5	67,000	60.5	239.6	64,500										90
95	46.7	224.5	50,800*	49.6	228.3	61,800*	53.8	233.0	62,500	57.7	236.5	60,200										95
100	43.3	219.4	47,100*	46.4	223.7	57,300*	50.8	229.0	58,600	54.8	233.1	56,400	61.1	237.5	52,800							100
105	39.7	213.6	43,900*	43.0	218.5	53,000*	47.6	224.6	55,000	51.8	229.3	53,000	58.3	234.5	49,600							105
110	35.7	207.0	41,000*	39.3	212.7	49,100*	44.2	219.6	51,800	48.7	225.1	49,900	55.4	231.2	46,600							110
115	31.3	199.2	38,500*	35.3	206.0	45,700*	40.6	214.1	48,900	45.4	220.3	47,100	52.4	227.5	44,000							115
120	26.2	189.9	36,500*	30.8	198.1	42,800*	36.7	207.7	46,300	41.9	214.9	44,500	49.3	223.3	41,600	55.9	228.1	38,700				120
125	20.0	177.8	35,000*	25.7	188.6	40,300*	32.5	200.3	43,800	38.1	208.8	42,200	46.1	218.7	39,400	52.9	224.5	36,600				125
130	10.5	158.7	34,200*	19.3	176.1	38,400*	27.6	191.4	41,600	34.0	201.8	40,000	42.6	213.4	37,400	49.8	220.4	34,700				130
135				9.1	155.4	34,200*	21.8	180.2	39,500	29.4	193.5	38,000	38.9	207.5	35,500	46.6	215.8	33,000				135
140							13.6	163.9	37,600	23.9	183.3	36,200	34.9	200.7	33,800	43.2	210.7	31,400	50.1	216.2	29,000	140
145										16.9	169.4	34,400	30.4	192.7	32,200	39.5	204.9	29,900	46.8	211.7	27,600	145
150													25.1	183.0	30,600	35.5	198.2	28,500	43.4	206.6	26,300	150
155													18.5	170.1	29,200	31.1	190.4	27,100	39.8	200.8	25,100	155
160													7.3	147.2	27,800	26.0	181.0	25,900	35.9	194.3	23,900	160
165																19.7	168.7	24,700	31.5	186.6	22,800	165
170																9.9	149.0	23,600	26.4	177.3	21,800	170
175																			20.3	165.4	20,800	175
180																			11.1	146.8	19,900	180



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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*																			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	82,900*																65
70	64.0	254.2	72,900*	66.2	256.1	78,500*	69.4	258.2	82,500													70
75	61.5	251.6	67,700*	63.7	253.7	74,500*	67.0	256.1	75,200													75
80	58.9	248.7	62,800*	61.2	251.0	70,800*	64.6	253.8	69,000	67.9	255.7	65,300										80
85	56.3	245.4	58,300*	58.7	248.1	67,100	62.1	251.2	63,600	65.4	253.5	60,100										85
90	53.6	241.8	54,100*	56.0	244.8	62,100	59.6	248.4	58,900	63.0	251.0	55,600										90
95	50.8	237.9	50,200*	53.3	241.2	57,800	57.0	245.2	54,700	60.5	248.3	51,600										95
100	47.8	233.5	46,700*	50.5	237.2	53,900	54.3	241.7	51,000	57.9	245.2	48,100										100
105	44.8	228.6	43,400*	47.6	232.7	50,400	51.5	237.9	47,700	55.2	241.8	44,900	61.0	246.2	40,400							105
110	41.5	223.2	40,500*	44.5	227.8	47,300	48.6	233.6	44,700	52.5	238.1	42,100	58.4	243.2	37,800							110
115	38.0	217.0	37,900*	41.2	222.3	44,400	45.6	228.8	41,900	49.6	234.0	39,500	55.8	239.9	35,400							115
120	34.2	210.0	35,600*	37.7	216.1	41,800	42.4	223.6	39,500	46.6	229.4	37,100	53.0	236.3	33,300							120
125	30.0	201.9	33,700*	33.8	209.0	39,400	38.9	217.6	37,200	43.5	224.3	35,000	50.2	232.2	31,300	56.2	236.8	27,600				125
130	25.2	192.1	32,100*	29.6	200.7	37,200	35.2	210.9	35,100	40.1	218.6	33,000	47.3	227.7	29,400	53.5	233.2	26,000				130
135	19.2	179.5	30,900*	24.7	190.7	35,200	31.2	203.1	33,200	36.5	212.2	31,100	44.1	222.8	27,800	50.7	229.3	24,400				135
140	10.1	159.5	30,200*	18.5	177.7	33,300	26.5	193.7	31,400	32.6	204.7	29,400	40.8	217.2	26,200	47.7	224.8	23,000				140
145				8.7	156.2	30,300*	20.9	182.0	29,700	28.2	196.0	27,900	37.3	210.9	24,800	44.6	220.0	21,700	50.9	225.1	18,700	145
150							13.1	165.1	28,100	23.0	185.3	26,400	33.4	203.7	23,400	41.4	214.5	20,500	48.0	220.7	17,600	150
155										16.2	170.8	24,900	29.1	195.3	22,100	37.9	208.3	19,300	44.9	215.8	16,500	155
160													24.1	185.1	20,900	34.1	201.3	18,200	41.6	210.4	15,600	160
165													17.8	171.6	19,800	29.8	193.1	17,200	38.2	204.3	14,600	165
170													7.0	147.8	18,600	24.9	183.2	16,200	34.4	197.4	13,800	170
175																18.9	170.4	15,300	30.2	189.3	12,900	175
180																9.5	149.8	14,400	25.4	179.5	12,100	180
185																			19.4	167.1	11,400	185
190																			10.6	147.7	10,600	190

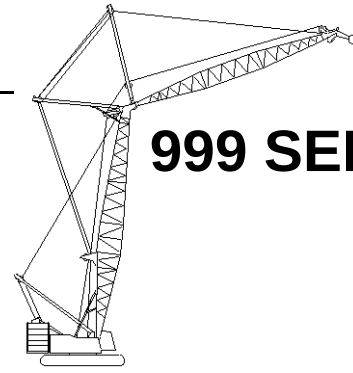


Liftcrane Luffing Jib Capacities

999 SERIES 3

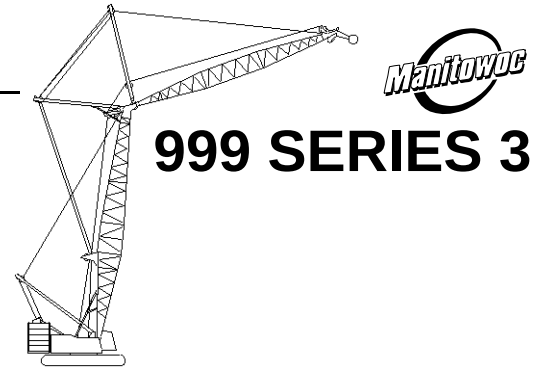
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	80,300*																65
70	66.0	265.3	68,200*	68.0	267.0	76,200*	70.9	268.8	81,800*													70
75	63.7	262.9	65,700*	65.7	264.8	72,400*	68.8	266.9	74,500													75
80	61.4	260.3	61,300*	63.5	262.4	68,900*	66.5	264.8	68,300													80
85	59.0	257.3	57,100*	61.1	259.7	65,600*	64.3	262.5	62,900	67.3	264.4	59,400										85
90	56.6	254.1	53,200*	58.8	256.7	61,600	62.0	259.9	58,200	65.1	262.2	54,900										90
95	54.1	250.6	49,700*	56.3	253.5	57,200	59.6	257.0	54,100	62.8	259.7	50,900										95
100	51.5	246.7	46,300*	53.8	249.9	53,300	57.2	253.9	50,400	60.4	256.9	47,400										100
105	48.8	242.5	43,200*	51.2	246.0	49,800	54.7	250.4	47,000	58.0	253.9	44,300										105
110	46.0	237.8	40,300*	48.5	241.7	46,700	52.1	246.7	44,000	55.6	250.5	41,400	60.9	254.9	37,000							110
115	43.0	232.6	37,600*	45.7	237.0	43,900	49.5	242.5	41,300	53.0	246.9	38,800	58.5	251.9	34,700							115
120	39.9	226.8	35,300*	42.7	231.8	41,300	46.7	237.9	38,900	50.4	242.9	36,500	56.1	248.6	32,500							120
125	36.6	220.4	33,200*	39.6	225.9	38,900	43.8	232.9	36,600	47.7	238.4	34,300	53.6	245.0	30,500							125
130	32.9	213.0	31,400*	36.2	219.4	36,700	40.7	227.3	34,500	44.8	233.6	32,300	51.0	241.1	28,700	56.5	245.5	25,200				130
135	28.9	204.5	29,800*	32.6	211.9	34,700	37.5	221.0	32,600	41.8	228.2	30,500	48.3	236.7	27,100	54.0	242.0	23,600				135
140	24.2	194.2	28,500*	28.5	203.3	32,900	33.9	213.9	30,900	38.6	222.1	28,800	45.4	232.0	25,500	51.4	238.1	22,200				140
145	18.4	181.1	27,600*	23.7	192.8	31,100	30.0	205.7	29,200	35.2	215.3	27,300	42.4	226.7	24,100	48.7	233.8	20,900				145
150	9.7	160.3	26,600*	17.8	179.3	29,500	25.5	196.0	27,700	31.4	207.6	25,800	39.3	220.8	22,700	45.9	229.1	19,700	51.6	233.9	16,800	150
155				8.4	156.9	26,700*	20.1	183.8	26,200	27.1	198.4	24,400	35.9	214.2	21,500	42.9	223.9	18,600	48.9	229.7	15,700	155
160							12.6	166.1	24,800	22.1	187.2	23,100	32.2	206.6	20,300	39.8	218.1	17,500	46.1	225.0	14,800	160
165										15.6	172.1	21,900	28.0	197.8	19,200	36.4	211.6	16,500	43.2	219.8	13,900	165
170													23.2	187.1	18,200	32.8	204.2	15,600	40.0	214.1	13,000	170
175													17.1	173.1	17,100	28.7	195.6	14,700	36.7	207.7	12,200	175
180													6.8	148.3	16,100	24.0	185.3	13,800	33.1	200.3	11,400	180
185																18.2	172.0	13,000	29.0	191.9	10,700	185
190																9.2	150.5	12,100	24.4	181.7	10,000	190
195																			18.7	168.7	9,300	195
200																			10.2	148.5	8,600	200



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	74,100*																70
75	65.6	274.0	62,000*	67.5	275.7	70,500*	70.2	277.6	74,300													75
80	63.4	271.6	59,300*	65.4	273.5	67,200*	68.2	275.7	68,100													80
85	61.3	268.9	55,600*	63.2	271.0	64,000*	66.1	273.5	62,700													85
90	59.1	266.0	52,000*	61.1	268.3	61,100*	64.0	271.2	58,000	66.8	273.2	54,700										90
95	56.8	262.8	48,600*	58.9	265.4	57,000	61.8	268.5	53,800	64.7	270.9	50,700										95
100	54.5	259.3	45,500*	56.6	262.2	53,100	59.6	265.7	50,100	62.6	268.3	47,200										100
105	52.1	255.5	42,600*	54.2	258.7	49,600	57.4	262.6	46,800	60.4	265.6	44,000										105
110	49.6	251.4	39,900*	51.8	254.8	46,500	55.1	259.2	43,800	58.2	262.5	41,200	63.0	266.2	36,800							110
115	47.0	246.8	37,400*	49.4	250.7	43,700	52.7	255.4	41,100	55.9	259.2	38,600	60.9	263.5	34,400							115
120	44.3	241.9	35,000*	46.8	246.1	41,100	50.2	251.4	38,700	53.5	255.6	36,200	58.6	260.5	32,300							120
125	41.5	236.4	32,900*	44.1	241.1	38,700	47.7	247.0	36,400	51.1	251.7	34,100	56.4	257.3	30,300							125
130	38.5	230.3	31,000*	41.2	235.5	36,600	45.0	242.1	34,300	48.6	247.4	32,100	54.0	253.8	28,500							130
135	35.3	223.6	29,300*	38.2	229.4	34,600	42.2	236.8	32,400	46.0	242.7	30,300	51.6	249.9	26,800	56.7	254.2	23,400				135
140	31.8	215.9	27,800*	35.0	222.6	32,700	39.3	230.9	30,700	43.2	237.5	28,600	49.1	245.7	25,300	54.4	250.7	22,000				140
145	27.9	207.0	26,500*	31.4	214.8	31,000	36.1	224.3	29,000	40.3	231.9	27,100	46.5	241.1	23,900	52.0	246.9	20,700				145
150	23.4	196.3	25,500*	27.5	205.7	29,400	32.7	216.9	27,500	37.2	225.5	25,600	43.8	236.0	22,500	49.5	242.7	19,500				150
155	17.8	182.6	24,700*	22.9	194.8	27,900	28.9	208.3	26,100	33.9	218.4	24,300	40.9	230.4	21,300	46.9	238.2	18,400	52.2	242.7	15,500	155
160	9.4	161.1	23,800*	17.2	180.8	26,400	24.6	198.2	24,700	30.3	210.3	23,000	37.9	224.2	20,100	44.2	233.2	17,300	49.7	238.6	14,500	160
165				8.1	157.5	23,900*	19.4	185.5	23,500	26.2	200.7	21,800	34.6	217.3	19,000	41.4	227.7	16,300	47.1	234.1	13,600	165
170							12.1	167.2	22,200	21.3	189.1	20,700	31.0	209.4	18,000	38.4	221.6	15,400	44.4	229.1	12,800	170
175										15.0	173.4	19,600	27.0	200.2	17,000	35.1	214.8	14,500	41.6	223.7	12,000	175
180													22.4	189.1	16,100	31.6	207.1	13,600	38.6	217.6	11,200	180
185													16.5	174.5	15,200	27.7	198.1	12,800	35.4	210.9	10,500	185
190													6.5	148.9	14,300	23.2	187.3	12,100	31.9	203.2	9,800	190
195																17.5	173.5	11,300	28.0	194.4	9,200	195
200																8.8	151.3	10,600	23.6	183.8	8,500	200
205																			18.0	170.3	7,900	205
210																			9.8	149.3	7,300	210

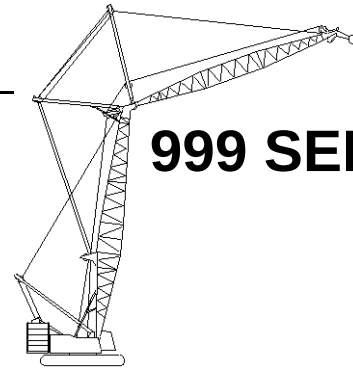


Liftcrane Luffing Jib Capacities

999 SERIES 3

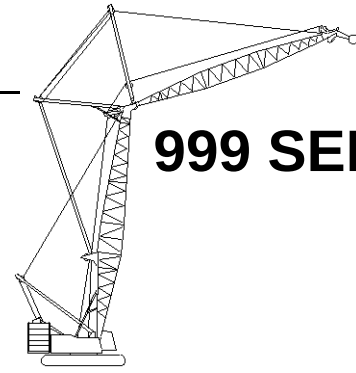
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	71,200*																70
75	67.2	285.0	57,400*	68.9	286.5	68,300*																75
80	65.2	282.7	56,400*	67.0	284.5	65,200*	69.6	286.4	67,400													80
85	63.2	280.3	53,800*	65.0	282.2	62,300*	67.7	284.4	62,100													85
90	61.2	277.6	50,600*	63.0	279.7	59,500*	65.7	282.2	57,300													90
95	59.1	274.7	47,500*	61.0	277.0	56,400	63.8	279.8	53,200	66.4	281.9	50,000										95
100	57.0	271.5	44,600*	58.9	274.1	52,500	61.7	277.2	49,500	64.4	279.6	46,500										100
105	54.8	268.0	41,800*	56.8	270.9	49,100	59.7	274.4	46,200	62.4	277.0	43,300										105
110	52.6	264.3	39,300*	54.6	267.4	45,900	57.6	271.2	43,200	60.4	274.2	40,500										110
115	50.3	260.3	36,900*	52.4	263.6	43,100	55.4	267.9	40,500	58.3	271.2	37,900	62.8	274.9	33,700							115
120	47.9	255.9	34,700*	50.1	259.5	40,500	53.2	264.2	38,100	56.1	267.9	35,600	60.8	272.2	31,500							120
125	45.4	251.1	32,600*	47.7	255.1	38,200	50.9	260.3	35,800	53.9	264.4	33,500	58.7	269.2	29,600							125
130	42.8	245.8	30,700*	45.2	250.3	36,000	48.5	255.9	33,800	51.7	260.5	31,500	56.6	266.0	27,800							130
135	40.1	240.1	29,000*	42.6	245.0	34,000	46.1	251.3	31,900	49.3	256.3	29,700	54.4	262.5	26,100							135
140	37.2	233.7	27,400*	39.8	239.2	32,200	43.5	246.1	30,100	46.9	251.8	28,000	52.2	258.7	24,600	56.9	262.9	21,200				140
145	34.1	226.6	26,000*	36.9	232.8	30,500	40.8	240.5	28,500	44.4	246.8	26,500	49.8	254.6	23,200	54.7	259.4	19,900				145
150	30.7	218.6	24,800*	33.8	225.6	28,900	38.0	234.3	27,000	41.8	241.4	25,000	47.4	250.1	21,800	52.5	255.7	18,700				150
155	26.9	209.3	23,700*	30.4	217.5	27,400	34.9	227.5	25,500	39.0	235.4	23,700	44.9	245.2	20,600	50.2	251.6	17,600				155
160	22.6	198.3	22,900*	26.6	208.1	26,000	31.6	219.7	24,200	36.0	228.8	22,400	42.3	239.9	19,500	47.8	247.2	16,600	52.7	251.5	13,700	160
165	17.2	184.1	22,300*	22.1	196.8	24,700	28.0	210.8	23,000	32.8	221.3	21,200	39.6	234.0	18,400	45.3	242.4	15,600	50.4	247.4	12,800	165
170	9.0	161.9	21,000*	16.6	182.2	23,400	23.8	200.3	21,800	29.3	212.9	20,100	36.6	227.6	17,400	42.7	237.1	14,700	48.0	243.1	12,000	170
175				7.8	158.2	21,100*	18.8	187.1	20,600	25.3	203.0	19,100	33.5	220.3	16,400	40.0	231.4	13,800	45.5	238.3	11,200	175
180							11.7	168.2	19,600	20.6	190.9	18,100	30.0	212.1	15,500	37.1	225.0	13,000	42.9	233.1	10,500	180
185										14.5	174.7	17,100	26.2	202.5	14,600	34.0	217.9	12,200	40.2	227.3	9,800	185
190													21.7	191.0	13,800	30.6	209.8	11,400	37.3	221.0	9,100	190
195													16.0	175.9	13,000	26.8	200.5	10,700	34.2	213.9	8,500	195
200													6.3	149.4	12,200	22.4	189.3	10,000	30.9	206.0	7,900	200
205																17.0	175.0	9,400	27.1	196.8	7,300	205
210																8.5	152.0	8,700	22.8	185.8	6,700	210
215																			17.5	171.8	6,200	215
220																			9.5	150.1	5,600	220



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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			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	75.7	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	64,400*																75
80	66.8	293.7	52,300*	68.4	295.3	63,500*	70.9	297.1	62,400*													80
85	64.9	291.4	51,400*	66.6	293.2	60,700*	69.1	295.2	61,500													85
90	63.0	288.9	49,000*	64.7	290.9	58,100*	67.3	293.2	56,800													90
95	61.1	286.2	46,200*	62.9	288.4	55,200*	65.4	291.0	52,700	67.9	292.8	49,500										95
100	59.2	283.3	43,500*	60.9	285.7	52,100	63.5	288.5	49,000	66.0	290.6	46,000										100
105	57.2	280.2	41,000*	59.0	282.7	48,600	61.6	285.9	45,700	64.2	288.3	42,800										105
110	55.1	276.8	38,600*	57.0	279.5	45,500	59.7	283.0	42,700	62.3	285.7	40,000										110
115	53.1	273.1	36,400*	54.9	276.1	42,700	57.7	279.9	40,000	60.4	282.9	37,400										115
120	50.9	269.1	34,300*	52.9	272.4	40,100	55.7	276.6	37,600	58.4	279.9	35,100	62.7	283.6	31,000							120
125	48.7	264.8	32,300*	50.7	268.4	37,700	53.6	273.0	35,300	56.4	276.6	33,000	60.8	280.8	29,000							125
130	46.4	260.2	30,500*	48.5	264.1	35,600	51.5	269.1	33,300	54.3	273.1	31,000	58.8	277.9	27,200							130
135	44.0	255.1	28,800*	46.2	259.4	33,600	49.3	264.9	31,400	52.2	269.3	29,200	56.8	274.7	25,600							135
140	41.5	249.6	27,200*	43.8	254.3	31,800	47.0	260.3	29,600	50.0	265.2	27,500	54.7	271.2	24,100							140
145	38.8	243.6	25,800*	41.2	248.8	30,100	44.6	255.4	28,000	47.8	260.8	26,000	52.6	267.5	22,600	57.1	271.6	19,400				145
150	36.0	237.0	24,500*	38.6	242.7	28,500	42.1	250.0	26,500	45.4	256.0	24,600	50.5	263.5	21,300	55.1	268.2	18,200				150
155	33.0	229.6	23,300*	35.8	236.0	27,000	39.5	244.1	25,100	43.0	250.8	23,200	48.2	259.1	20,100	53.0	264.5	17,100				155
160	29.8	221.3	22,300*	32.7	228.5	25,600	36.8	237.7	23,800	40.4	245.1	22,000	45.9	254.4	19,000	50.8	260.5	16,000				160
165	26.1	211.7	21,400*	29.4	220.1	24,300	33.8	230.5	22,500	37.7	238.8	20,800	43.5	249.2	17,900	48.6	256.2	15,000				165
170	21.9	200.2	20,700*	25.7	210.4	23,100	30.6	222.4	21,400	34.9	231.9	19,700	41.0	243.7	16,900	46.3	251.5	14,100	51.0	256.3	11,400	170
175	16.7	185.6	20,200*	21.5	198.7	21,900	27.1	213.2	20,300	31.8	224.2	18,600	38.3	237.5	15,900	43.9	246.5	13,300	48.8	252.0	10,700	175
180			18,500*	16.1	183.6	20,800	23.1	202.3	19,200	28.4	215.4	17,600	35.5	230.8	15,000	41.4	240.9	12,400	46.5	247.4	9,900	180
185				7.6	158.8	18,600*	18.2	188.7	18,200	24.5	205.2	16,700	32.4	223.2	14,200	38.7	234.9	11,700	44.1	242.4	9,200	185
190							11.4	169.1	17,200	20.0	192.7	15,800	29.1	214.7	13,400	35.9	228.2	10,900	41.6	236.9	8,600	190
195										14.1	175.9	14,900	25.4	204.8	12,600	32.9	220.8	10,200	38.9	230.9	7,900	195
200													21.0	192.8	11,800	29.6	212.4	9,600	36.2	224.3	7,400	200
205													15.5	177.3	11,100	26.0	202.8	8,900	33.2	216.9	6,800	205
210													6.1	149.9	10,400	21.7	191.2	8,300	29.9	208.6	6,200	210
215																16.4	176.4	7,700	26.3	199.1	5,700	215
220																8.3	152.7	7,100	22.1	187.7	5,200	220
225																			16.9	173.3	4,700	225
230																			9.2	150.9	4,200	230



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



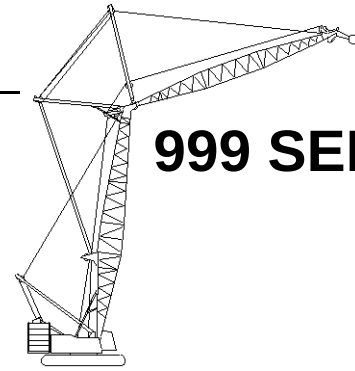
130 Ft. Boom, 180 Ft. Jib

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			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	74.9	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	57,500*	70.3	305.9	56,000*													85
90	64.7	300.1	46,600*	66.2	301.9	55,600*	68.6	304.0	56,000*													90
95	62.9	297.6	45,000*	64.5	299.6	53,200*	66.9	301.9	52,100													95
100	61.1	294.9	42,600*	62.7	297.0	50,700*	65.1	299.6	48,400	67.5	301.5	45,300										100
105	59.2	292.0	40,300*	60.9	294.3	48,000	63.3	297.2	45,100	65.7	299.3	42,100										105
110	57.3	288.8	38,100*	59.0	291.4	44,900	61.5	294.5	42,100	63.9	296.9	39,300										110
115	55.4	285.5	35,900*	57.2	288.2	42,100	59.7	291.7	39,400	62.2	294.3	36,700										115
120	53.5	281.8	34,000*	55.2	284.8	39,500	57.8	288.6	37,000	60.3	291.6	34,400										120
125	51.4	277.9	32,100*	53.3	281.2	37,200	55.9	285.3	34,700	58.5	288.6	32,300	62.5	292.2	28,300							125
130	49.4	273.7	30,400*	51.2	277.2	35,000	54.0	281.7	32,700	56.6	285.3	30,300	60.7	289.5	26,500							130
135	47.2	269.2	28,700*	49.2	273.0	33,000	52.0	277.9	30,800	54.6	281.8	28,500	58.9	286.5	24,900							135
140	45.0	264.3	27,200*	47.0	268.5	31,200	49.9	273.8	29,000	52.7	278.1	26,900	57.0	283.4	23,300							140
145	42.7	259.1	25,800*	44.8	263.5	29,500	47.8	269.3	27,400	50.6	274.1	25,300	55.0	279.9	21,900							145
150	40.3	253.3	24,400*	42.5	258.2	27,900	45.6	264.5	25,900	48.5	269.8	23,900	53.1	276.3	20,600	57.3	280.3	17,400				150
155	37.7	247.0	23,200*	40.0	252.4	26,400	43.3	259.4	24,500	46.3	265.1	22,600	51.0	272.3	19,400	55.3	276.9	16,300				155
160	35.0	240.1	22,100*	37.4	246.1	25,100	40.9	253.8	23,200	44.1	260.1	21,300	49.0	268.0	18,300	53.4	273.2	15,300				160
165	32.1	232.5	21,200*	34.7	239.1	23,800	38.4	247.6	22,000	41.7	254.6	20,200	46.8	263.5	17,200	51.4	269.3	14,300				165
170	28.9	223.8	20,300*	31.8	231.4	22,600	35.7	240.9	20,800	39.2	248.7	19,100	44.6	258.5	16,200	49.3	265.1	13,400				170
175	25.4	213.9	19,600*	28.6	222.6	21,400	32.8	233.5	19,700	36.6	242.2	18,000	42.2	253.1	15,300	47.1	260.6	12,500	51.5	265.1	9,900	175
180	21.3	202.1	19,000*	25.0	212.6	20,300	29.7	225.1	18,700	33.8	235.0	17,100	39.8	247.3	14,400	44.9	255.7	11,700	49.4	260.9	9,200	180
185	16.2	187.0	18,600*	20.8	200.5	19,300	26.3	215.5	17,700	30.8	227.0	16,100	37.2	240.9	13,500	42.6	250.4	11,000	47.3	256.4	8,500	185
190	8.5	163.3	16,100*	15.6	184.9	18,300	22.4	204.3	16,800	27.5	217.9	15,300	34.4	233.9	12,700	40.1	244.6	10,200	45.1	251.6	7,800	190
195				7.3	159.4	16,200*	17.6	190.2	15,900	23.8	207.3	14,400	31.5	226.0	12,000	37.6	238.3	9,600	42.8	246.3	7,200	195
200							11.0	170.1	15,000	19.4	194.4	13,600	28.2	217.2	11,200	34.9	231.4	8,900	40.3	240.6	6,600	200
205										13.7	177.1	12,800	24.6	206.9	10,500	31.9	223.7	8,300	37.8	234.3	6,100	205
210													20.4	194.6	9,900	28.8	215.0	7,700	35.1	227.5	5,500	210
215													15.0	178.6	9,200	25.2	205.0	7,100	32.2	219.8	5,000	215
220													5.9	150.3	8,500	21.1	193.1	6,500	29.0	211.2	4,500	220
225																16.0	177.8	6,000	25.5	201.3	4,000	225
230																8.0	153.4	5,400				230

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

130 Ft. Boom, 190 Ft. Jib

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	75.7	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	51,800*	69.8	314.7	50,500*													90
95	64.4	308.8	42,600*	65.9	310.6	50,700*	68.1	312.8	50,400*													95
100	62.7	306.3	41,200*	64.3	308.3	48,600*	66.5	310.6	48,100													100
105	61.0	303.6	39,100*	62.6	305.7	46,500*	64.8	308.3	44,800	67.1	310.3	41,800										105
110	59.3	300.6	37,100*	60.8	303.0	44,400*	63.2	305.9	41,800	65.4	308.0	39,000										110
115	57.5	297.5	35,200*	59.1	300.0	41,800	61.5	303.2	39,100	63.7	305.6	36,400										115
120	55.7	294.2	33,300*	57.3	296.9	39,200	59.7	300.3	36,700	62.0	303.0	34,100										120
125	53.8	290.6	31,600*	55.5	293.5	36,900	57.9	297.3	34,400	60.3	300.2	32,000										125
130	51.9	286.7	30,000*	53.6	289.9	34,700	56.1	294.0	32,400	58.6	297.2	30,000	62.4	300.9	26,200							130
135	50.0	282.6	28,400*	51.7	286.1	32,800	54.3	290.4	30,500	56.8	294.0	28,300	60.7	298.2	24,600							135
140	48.0	278.2	26,900*	49.8	281.9	30,900	52.4	286.7	28,800	54.9	290.6	26,600	58.9	295.2	23,000							140
145	45.9	273.5	25,500*	47.8	277.5	29,200	50.5	282.6	27,100	53.1	286.9	25,100	57.1	292.0	21,600							145
150	43.7	268.4	24,300*	45.7	272.7	27,700	48.5	278.3	25,600	51.1	282.9	23,600	55.3	288.6	20,300							150
155	41.5	262.9	23,000*	43.5	267.6	26,200	46.4	273.6	24,200	49.2	278.7	22,300	53.5	285.0	19,100	57.4	288.9	16,000				155
160	39.1	256.9	21,900*	41.3	262.0	24,800	44.3	268.6	22,900	47.1	274.2	21,100	51.5	281.1	18,000	55.6	285.6	15,000				160
165	36.6	250.4	20,900*	38.9	256.0	23,500	42.1	263.2	21,700	45.0	269.3	19,900	49.6	276.9	16,900	53.7	282.0	14,000				165
170	34.0	243.2	20,000*	36.4	249.4	22,300	39.7	257.4	20,500	42.8	264.0	18,800	47.6	272.5	15,900	51.8	278.1	13,100				170
175	31.2	235.3	19,200*	33.8	242.2	21,200	37.3	251.0	19,500	40.5	258.3	17,800	45.5	267.7	15,000	49.9	274.0	12,200				175
180	28.1	226.3	18,400*	30.9	234.2	20,100	34.7	244.0	18,400	38.2	252.1	16,800	43.3	262.5	14,100	47.9	269.6	11,400	52.0	273.9	8,900	180
185	24.7	216.1	17,800*	27.8	225.1	19,100	31.9	236.3	17,500	35.6	245.4	15,900	41.0	256.9	13,300	45.8	264.8	10,700	50.0	269.8	8,200	185
190	20.7	203.9	17,300*	24.3	214.7	18,100	28.9	227.7	16,500	32.9	237.9	15,000	38.7	250.8	12,500	43.6	259.7	10,000	48.0	265.4	7,500	190
195	15.8	188.3	16,900*	20.3	202.3	17,200	25.6	217.8	15,700	30.0	229.6	14,200	36.2	244.2	11,700	41.4	254.2	9,300	46.0	260.7	6,900	195
200	8.3	164.0	14,200*	15.2	186.3	16,300	21.8	206.2	14,800	26.8	220.2	13,400	33.5	236.9	11,000	39.0	248.2	8,600	43.8	255.6	6,300	200
205				7.1	160.0	14,300*	17.2	191.7	14,000	23.1	209.3	12,600	30.6	228.8	10,300	36.5	241.6	8,000	41.6	250.1	5,800	205
210							10.7	171.0	13,200	18.9	196.0	11,900	27.5	219.6	9,700	33.9	234.4	7,400	39.2	244.2	5,200	210
215										13.3	178.2	11,200	23.9	209.1	9,000	31.1	226.5	6,900	36.7	237.7	4,700	215
220													19.8	196.4	8,400	28.0	217.5	6,300	34.1	230.5	4,300	220
225													14.6	179.8	7,800	24.5	207.2	5,800				225
230													5.7	150.8	7,200	20.5	194.9	5,300				230
235																15.5	179.1	4,800				235
240																7.8	154.0	4,300				240

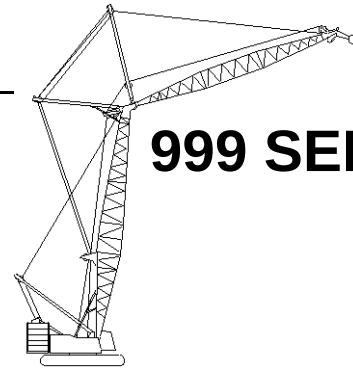


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



130 Ft. Boom, 200 Ft. Jib

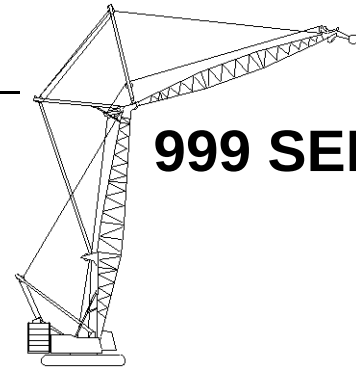
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	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	45,600*													90
95	65.8	319.9	39,300*	67.2	321.6	46,600*	69.3	323.5	45,500*													95
100	64.2	317.5	38,800*	65.6	319.3	46,200*	67.8	321.5	45,300*													100
105	62.6	314.9	37,800*	64.0	316.9	44,500*	66.2	319.4	44,100													105
110	61.0	312.2	36,000*	62.4	314.4	42,600*	64.6	317.0	41,200	66.7	319.0	38,300										110
115	59.3	309.3	34,200*	60.8	311.6	40,800*	63.0	314.5	38,500	65.2	316.7	35,800										115
120	57.6	306.2	32,500*	59.1	308.7	38,700	61.4	311.9	36,100	63.6	314.3	33,500										120
125	55.9	302.9	30,900*	57.5	305.6	36,300	59.7	309.0	33,800	61.9	311.7	31,300										125
130	54.1	299.3	29,300*	55.7	302.2	34,200	58.1	305.9	31,800	60.3	308.9	29,400										130
135	52.3	295.5	27,900*	54.0	298.7	32,200	56.3	302.7	29,900	58.6	305.9	27,600	62.3	309.6	23,800							135
140	50.5	291.5	26,500*	52.2	294.9	30,400	54.6	299.2	28,200	56.9	302.7	26,000	60.6	306.8	22,300							140
145	48.6	287.2	25,200*	50.3	290.8	28,700	52.8	295.5	26,500	55.2	299.3	24,400	59.0	303.9	20,900							145
150	46.7	282.6	24,000*	48.4	286.4	27,100	51.0	291.5	25,100	53.4	295.6	23,000	57.3	300.7	19,600							150
155	44.6	277.6	22,800*	46.5	281.8	25,600	49.1	287.2	23,700	51.6	291.7	21,700	55.6	297.3	18,400							155
160	42.5	272.3	21,700*	44.4	276.8	24,300	47.2	282.7	22,300	49.8	287.6	20,400	53.8	293.8	17,300	57.5	297.6	14,200				160
165	40.4	266.6	20,700*	42.3	271.4	23,000	45.2	277.8	21,100	47.8	283.2	19,300	52.0	289.9	16,200	55.8	294.3	13,300				165
170	38.1	260.3	19,800*	40.2	265.7	21,800	43.1	272.6	20,000	45.9	278.4	18,200	50.1	285.8	15,200	54.1	290.7	12,400				170
175	35.7	253.6	18,900*	37.9	259.4	20,600	40.9	267.0	18,900	43.8	273.3	17,200	48.2	281.5	14,300	52.3	286.9	11,500				175
180	33.1	246.2	18,100*	35.4	252.6	19,600	38.7	260.9	17,900	41.7	267.8	16,200	46.3	276.8	13,400	50.4	282.9	10,700				180
185	30.4	238.0	17,400*	32.9	245.1	18,500	36.3	254.3	16,900	39.5	261.9	15,300	44.2	271.8	12,600	48.5	278.5	10,000	52.4	282.7	7,400	185
190	27.4	228.8	16,800*	30.1	236.8	17,600	33.8	247.1	16,000	37.1	255.5	14,400	42.1	266.4	11,800	46.6	273.9	9,300	50.6	278.7	6,800	190
195	24.0	218.2	16,300*	27.1	227.5	16,700	31.1	239.1	15,100	34.7	248.5	13,600	39.9	260.5	11,100	44.6	268.9	8,600	48.7	274.4	6,200	195
200	20.1	205.6	15,900*	23.7	216.8	15,800	28.2	230.2	14,300	32.0	240.8	12,800	37.6	254.2	10,400	42.5	263.6	7,900	46.7	269.8	5,600	200
205	15.3	189.7	14,700*	19.7	204.0	15,000	24.9	220.0	13,500	29.2	232.2	12,100	35.2	247.4	9,700	40.3	257.9	7,300	44.7	264.8	5,000	205
210	8.0	164.7	12,200*	14.8	187.5	14,100	21.2	208.1	12,800	26.1	222.5	11,400	32.6	239.8	9,000	38.0	251.6	6,800	42.6	259.5	4,500	210
215				6.9	160.6	12,300*	16.7	193.2	12,000	22.5	211.3	10,700	29.8	231.4	8,400	35.6	244.8	6,200	40.5	253.8	4,000	215
220							10.4	171.9	11,300	18.4	197.6	10,000	26.7	222.0	7,800	33.0	237.4	5,700				220
225										12.9	179.3	9,400	23.3	211.1	7,300	30.2	229.2	5,200				225
230													19.3	198.0	6,700	27.2	219.9	4,700				230
235													14.2	181.1	6,200	23.9	209.3	4,200				235
240													5.6	151.3	5,600							240



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

130 Ft. Boom, 210 Ft. Jib

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	75.7	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	41,100*													95
100	65.5	328.6	35,900*	66.9	330.3	42,000*	68.9	332.3	41,000*													100
105	64.0	326.2	35,400*	65.4	328.0	41,700*	67.4	330.3	40,800*													105
110	62.5	323.6	34,800*	63.9	325.6	40,800*	65.9	328.1	40,700*	67.9	329.9	37,800										110
115	60.9	320.9	33,200*	62.3	323.1	39,200*	64.4	325.7	38,000	66.4	327.7	35,200										115
120	59.3	318.0	31,700*	60.8	320.3	37,700*	62.9	323.2	35,600	64.9	325.4	32,900										120
125	57.7	314.9	30,200*	59.2	317.4	35,900	61.3	320.5	33,300	63.4	323.0	30,800										125
130	56.1	311.6	28,700*	57.6	314.2	33,700	59.7	317.7	31,300	61.9	320.3	28,900										130
135	54.4	308.1	27,400*	55.9	310.9	31,700	58.1	314.6	29,400	60.3	317.5	27,100										135
140	52.7	304.3	26,100*	54.3	307.4	29,900	56.5	311.4	27,700	58.7	314.5	25,400	62.2	318.2	21,800							140
145	51.0	300.3	24,800*	52.6	303.6	28,200	54.9	307.9	26,100	57.1	311.4	23,900	60.6	315.5	20,400							145
150	49.2	296.1	23,700*	50.8	299.6	26,600	53.2	304.2	24,600	55.4	308.0	22,500	59.0	312.5	19,100							150
155	47.4	291.6	22,600*	49.0	295.4	25,200	51.4	300.3	23,200	53.8	304.4	21,200	57.4	309.4	17,900							155
160	45.5	286.8	21,500*	47.2	290.8	23,800	49.7	296.1	21,900	52.0	300.6	19,900	55.8	306.1	16,800							160
165	43.5	281.6	20,600*	45.3	286.0	22,500	47.8	291.7	20,600	50.3	296.5	18,800	54.1	302.5	15,700	57.7	306.3	12,700				165
170	41.5	276.1	19,600*	43.3	280.8	21,300	46.0	287.0	19,500	48.5	292.1	17,700	52.4	298.7	14,700	56.0	303.0	11,800				170
175	39.3	270.1	18,700*	41.3	275.2	20,200	44.0	281.9	18,400	46.6	287.5	16,700	50.6	294.7	13,800	54.4	299.5	11,000				175
180	37.1	263.7	17,900*	39.1	269.2	19,100	42.0	276.5	17,400	44.7	282.5	15,700	48.8	290.4	12,900	52.7	295.7	10,200				180
185	34.8	256.7	17,200*	36.9	262.8	18,100	39.9	270.6	16,400	42.7	277.2	14,800	47.0	285.8	12,100	50.9	291.7	9,400				185
190	32.3	249.1	16,600*	34.6	255.7	17,100	37.7	264.3	15,500	40.6	271.6	13,900	45.1	280.9	11,300	49.1	287.5	8,700	52.8	291.5	6,200	190
195	29.6	240.6	16,000*	32.0	248.0	16,200	35.4	257.5	14,700	38.5	265.4	13,100	43.1	275.7	10,600	47.3	282.9	8,000	51.0	287.5	5,600	195
200	26.7	231.1	15,400*	29.3	239.5	15,400	32.9	250.0	13,900	36.2	258.8	12,300	41.1	270.1	9,900	45.4	278.1	7,400	49.3	283.3	5,000	200
205	23.4	220.3	15,000*	26.4	229.9	14,500	30.3	241.8	13,100	33.8	251.6	11,600	38.9	264.1	9,200	43.4	272.9	6,800	47.4	278.8	4,500	205
210	19.6	207.4	14,500*	23.1	218.8	13,800	27.5	232.6	12,300	31.2	243.6	10,900	36.7	257.6	8,500	41.4	267.4	6,200	45.5	274.0	4,000	210
215	15.0	191.0	12,700*	19.2	205.7	13,000	24.3	222.2	11,600	28.5	234.8	10,200	34.3	250.5	7,900	39.3	261.4	5,700				215
220	7.8	165.4	10,400*	14.4	188.8	12,300	20.7	209.9	10,900	25.4	224.8	9,600	31.8	242.7	7,300	37.0	255.0	5,100				220
225				6.8	161.2	10,500*	16.3	194.6	10,300	22.0	213.2	9,000	29.1	234.0	6,800	34.7	248.0	4,600				225
230							10.2	172.7	9,600	17.9	199.2	8,400	26.1	224.3	6,200	32.2	240.3	4,200				230
235										12.6	180.4	7,800	22.7	213.1	5,700							235
240													18.8	199.7	5,200							240
245													13.9	182.3	4,700							245
250													5.4	151.7	4,200							250

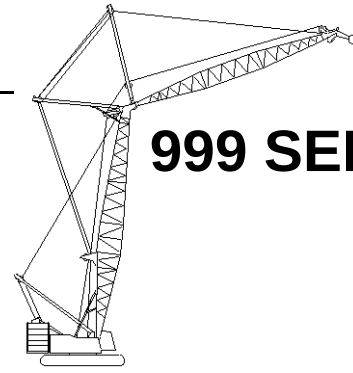


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



130 Ft. Boom, 220 Ft. Jib

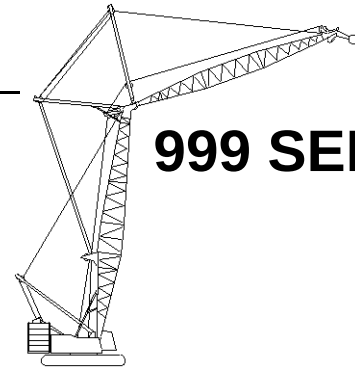
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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	75.0	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	37,000*										100
105	65.3	337.3	32,600*	66.6	339.0	37,800*	68.5	341.1	36,900*										105
110	63.8	334.9	32,200*	65.1	336.7	37,500*	67.1	339.0	36,700*										110
115	62.4	332.3	31,900*	63.7	334.3	37,200*	65.6	336.8	36,500*	67.5	338.6	34,600							115
120	60.9	329.5	30,600*	62.2	331.7	36,100*	64.2	334.4	34,900	66.1	336.4	32,300							120
125	59.4	326.6	29,300*	60.7	329.0	34,700*	62.7	331.9	32,700	64.7	334.1	30,100							125
130	57.8	323.5	28,000*	59.2	326.0	33,100	61.3	329.2	30,700	63.2	331.6	28,200							130
135	56.3	320.3	26,700*	57.7	322.9	31,200	59.8	326.3	28,800	61.8	329.0	26,400							135
140	54.7	316.8	25,500*	56.1	319.6	29,300	58.2	323.3	27,100	60.3	326.2	24,800							140
145	53.1	313.1	24,300*	54.5	316.1	27,700	56.7	320.0	25,500	58.8	323.2	23,300	62.1	326.9	19,700				145
150	51.4	309.2	23,200*	52.9	312.4	26,100	55.1	316.6	24,000	57.2	320.0	21,900	60.6	324.1	18,400				150
155	49.7	305.0	22,200*	51.3	308.5	24,600	53.5	313.0	22,600	55.6	316.7	20,500	59.1	321.2	17,200				155
160	48.0	300.6	21,200*	49.6	304.3	23,200	51.8	309.1	21,300	54.0	313.1	19,300	57.5	318.1	16,100				160
165	46.2	295.9	20,300*	47.8	299.8	22,000	50.2	305.0	20,100	52.4	309.3	18,200	56.0	314.7	15,000				165
170	44.4	290.9	19,400*	46.0	295.1	20,800	48.4	300.7	18,900	50.7	305.3	17,100	54.4	311.2	14,000	57.8	315.0	11,100	170
175	42.4	285.5	18,600*	44.2	290.1	19,600	46.7	296.0	17,800	49.0	301.1	16,100	52.8	307.5	13,100	56.2	311.7	10,200	175
180	40.5	279.8	17,800*	42.3	284.7	18,600	44.8	291.1	16,800	47.3	296.5	15,100	51.1	303.5	12,200	54.6	308.2	9,400	180
185	38.4	273.6	17,000*	40.3	278.9	17,600	42.9	285.8	15,900	45.5	291.7	14,200	49.4	299.3	11,400	53.0	304.5	8,700	185
190	36.2	267.0	16,300*	38.2	272.7	16,600	41.0	280.2	15,000	43.6	286.6	13,300	47.6	294.8	10,600	51.3	300.5	8,000	190
195	34.0	259.8	15,700*	36.0	266.0	15,700	38.9	274.2	14,100	41.7	281.1	12,500	45.8	290.1	9,900	49.7	296.4	7,300	195
200	31.5	251.9	15,100*	33.7	258.8	14,800	36.8	267.7	13,300	39.7	275.2	11,700	44.0	285.0	9,200	47.9	291.9	6,700	200
205	28.9	243.2	14,600*	31.3	250.8	14,000	34.6	260.6	12,500	37.5	268.8	11,000	42.1	279.6	8,500	46.1	287.2	6,100	205
210	26.1	233.5	14,200*	28.6	242.0	13,200	32.2	252.9	11,800	35.3	262.0	10,300	40.1	273.8	7,900	44.3	282.2	5,500	210
215	22.9	222.3	13,400*	25.8	232.2	12,500	29.6	244.5	11,100	33.0	254.5	9,600	38.0	267.5	7,300	42.4	276.8	5,000	215
220	19.2	209.0	12,400*	22.5	220.8	11,800	26.8	235.0	10,400	30.5	246.3	9,000	35.8	260.8	6,700	40.4	271.1	4,500	220
225	14.6	192.2	10,800*	18.8	207.3	11,100	23.7	224.3	9,700	27.8	237.2	8,400	33.5	253.5	6,200	38.3	264.9	4,000	225
230	7.6	166.0	8,600*	14.1	190.0	10,400	20.2	211.6	9,100	24.8	227.0	7,800	31.0	245.4	5,600				230
235				6.6	161.7	8,800*	15.9	196.0	8,500	21.5	215.1	7,200	28.4	236.6	5,100				235
240							9.9	173.6	7,900	17.5	200.7	6,700	25.5	226.6	4,600				240
245										12.3	181.5	6,100	22.2	215.1	4,200				245



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

130 Ft. Boom, 230 Ft. Jib

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	75.7	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	35,400*										105
110	65.0	346.0	29,900*	66.3	347.7	35,300*	68.1	349.9	35,300*										110
115	63.7	343.5	29,200*	64.9	345.4	34,100*	66.8	347.7	35,100*										115
120	62.3	341.0	28,000*	63.5	343.0	32,900*	65.4	345.5	34,500	67.2	347.4	31,800							120
125	60.8	338.2	26,900*	62.1	340.4	31,700*	64.0	343.1	32,300	65.9	345.2	29,700							125
130	59.4	335.3	25,700*	60.7	337.6	30,500*	62.6	340.5	30,200	64.5	342.8	27,800							130
135	57.9	332.2	24,600*	59.3	334.7	29,300*	61.2	337.8	28,400	63.1	340.3	26,000							135
140	56.4	328.9	23,500*	57.8	331.6	28,100*	59.8	335.0	26,600	61.7	337.7	24,400							140
145	54.9	325.5	22,500*	56.3	328.3	26,900*	58.3	331.9	25,000	60.3	334.9	22,800							145
150	53.4	321.8	21,500*	54.8	324.8	25,700	56.8	328.7	23,500	58.8	331.9	21,400	62.0	335.6	18,000				150
155	51.8	318.0	20,600*	53.2	321.2	24,200	55.3	325.3	22,200	57.3	328.7	20,100	60.6	332.8	16,800				155
160	50.2	313.9	19,700*	51.7	317.3	22,800	53.8	321.7	20,900	55.8	325.4	18,900	59.1	329.9	15,600				160
165	48.6	309.5	18,800*	50.0	313.2	21,600	52.2	317.9	19,600	54.3	321.9	17,700	57.6	326.7	14,600				165
170	46.9	304.9	18,000*	48.4	308.8	20,400	50.6	313.9	18,500	52.8	318.1	16,700	56.2	323.4	13,600				170
175	45.1	300.1	17,200*	46.7	304.2	19,200	49.0	309.6	17,400	51.2	314.2	15,600	54.6	319.9	12,700	57.9	323.6	9,800	175
180	43.3	294.9	16,500*	45.0	299.3	18,200	47.3	305.1	16,400	49.5	310.0	14,700	53.1	316.3	11,800	56.4	320.4	9,000	180
185	41.5	289.3	15,900*	43.1	294.0	17,200	45.6	300.3	15,500	47.9	305.5	13,800	51.5	312.3	11,000	54.9	316.9	8,300	185
190	39.5	283.4	15,200*	41.3	288.5	16,200	43.8	295.1	14,600	46.2	300.8	12,900	49.9	308.2	10,200	53.3	313.2	7,600	190
195	37.5	277.0	14,600*	39.3	282.5	15,300	41.9	289.7	13,700	44.4	295.8	12,100	48.2	303.8	9,500	51.7	309.4	6,900	195
200	35.4	270.2	14,100*	37.3	276.1	14,500	40.0	283.9	12,900	42.6	290.5	11,400	46.5	299.2	8,800	50.1	305.2	6,300	200
205	33.2	262.8	13,600*	35.2	269.2	13,700	38.0	277.6	12,100	40.7	284.8	10,600	44.8	294.2	8,100	48.5	300.9	5,700	205
210	30.8	254.7	13,200*	33.0	261.7	12,900	36.0	270.9	11,400	38.7	278.7	9,900	43.0	289.0	7,500	46.8	296.3	5,100	210
215	28.3	245.7	12,800*	30.6	253.5	12,100	33.8	263.7	10,700	36.7	272.2	9,300	41.1	283.4	6,900	45.0	291.4	4,600	215
220	25.5	235.7	12,400*	28.0	244.5	11,400	31.4	255.7	10,000	34.5	265.1	8,600	39.1	277.3	6,300	43.2	286.2	4,100	220
225	22.3	224.3	11,700	25.2	234.4	10,800	28.9	247.0	9,400	32.2	257.4	8,000	37.1	270.9	5,800				225
230	18.7	210.7	10,600*	22.0	222.8	10,100	26.2	237.3	8,800	29.8	249.0	7,500	35.0	264.0	5,300				230
235	14.3	193.5	9,100*	18.4	208.9	9,500	23.2	226.3	8,200	27.2	239.7	6,900	32.7	256.4	4,800				235
240	7.5	166.6	7,100*	13.8	191.2	8,900	19.7	213.4	7,600	24.3	229.1	6,400	30.3	248.2	4,300				240
245				6.5	162.3	7,200*	15.6	197.3	7,100	21.0	216.9	5,800							245
250							9.7	174.4	6,500	17.1	202.2	5,300							250
255										12.0	182.5	4,800							255

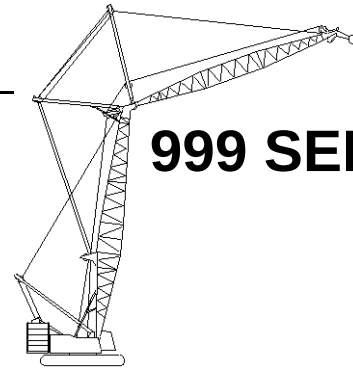


Liftcrane Luffing Jib Capacities

999 SERIES 3

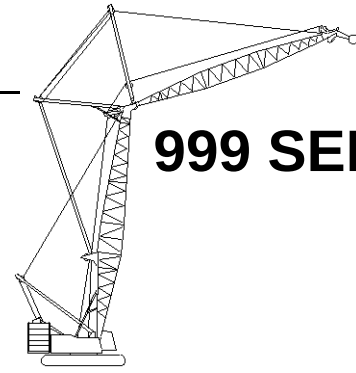
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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			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	
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	31,900*										110
115	64.8	354.7	27,200*	66.0	356.5	32,000*	67.8	358.6	31,700*										115
120	63.5	352.2	26,900*	64.7	354.1	31,300*	66.5	356.5	31,600*										120
125	62.2	349.6	25,800*	63.4	351.7	30,200*	65.2	354.2	31,400*	66.9	356.1	29,100							125
130	60.8	346.9	24,800*	62.0	349.0	29,200*	63.9	351.8	29,600	65.6	353.9	27,100							130
135	59.4	344.0	23,800*	60.7	346.3	28,100*	62.5	349.2	27,800	64.3	351.5	25,400							135
140	58.0	340.9	22,800*	59.3	343.4	27,100*	61.2	346.5	26,000	63.0	349.0	23,700							140
145	56.6	337.6	21,800*	57.9	340.3	26,000*	59.8	343.6	24,400	61.6	346.3	22,200							145
150	55.1	334.2	20,900*	56.5	337.0	25,000*	58.4	340.6	23,000	60.3	343.5	20,800							150
155	53.7	330.6	20,000*	55.0	333.6	23,700	57.0	337.4	21,600	58.9	340.5	19,500	61.9	344.2	16,100				155
160	52.2	326.8	19,200*	53.5	329.9	22,300	55.5	334.0	20,300	57.5	337.4	18,300	60.5	341.5	15,000				160
165	50.6	322.7	18,400*	52.0	326.1	21,000	54.1	330.5	19,100	56.0	334.1	17,100	59.1	338.5	13,900				165
170	49.1	318.5	17,600*	50.5	322.0	19,800	52.6	326.7	17,900	54.6	330.6	16,000	57.7	335.4	12,900				170
175	47.5	314.0	16,900*	48.9	317.7	18,700	51.0	322.7	16,900	53.1	326.9	15,000	56.3	332.1	12,000				175
180	45.8	309.2	16,200*	47.3	313.2	17,600	49.5	318.5	15,900	51.6	323.0	14,100	54.9	328.7	11,200	58.0	332.3	8,300	180
185	44.1	304.1	15,600*	45.7	308.4	16,600	47.9	314.1	14,900	50.0	318.8	13,200	53.4	325.0	10,300	56.5	329.0	7,600	185
190	42.4	298.7	14,900*	43.9	303.3	15,700	46.2	309.4	14,000	48.4	314.5	12,300	51.9	321.1	9,600	55.1	325.6	6,900	190
195	40.5	293.0	14,400*	42.2	297.9	14,800	44.6	304.4	13,200	46.8	309.9	11,500	50.3	317.1	8,800	53.6	322.0	6,200	195
200	38.7	286.9	13,800*	40.4	292.1	13,900	42.8	299.1	12,300	45.1	305.0	10,800	48.8	312.8	8,200	52.1	318.1	5,600	200
205	36.7	280.4	13,300*	38.5	286.0	13,100	41.0	293.5	11,600	43.4	299.8	10,000	47.1	308.2	7,500	50.6	314.1	5,000	205
210	34.6	273.3	12,900*	36.5	279.4	12,400	39.2	287.4	10,800	41.6	294.3	9,300	45.5	303.4	6,900	49.0	309.8	4,400	210
215	32.5	265.7	12,400*	34.4	272.3	11,600	37.2	281.0	10,100	39.8	288.4	8,700	43.8	298.3	6,300				215
220	30.1	257.4	11,900	32.2	264.6	10,900	35.2	274.1	9,500	37.9	282.1	8,100	42.0	292.8	5,700				220
225	27.6	248.2	11,200	29.9	256.2	10,200	33.0	266.6	8,800	35.9	275.4	7,500	40.2	287.0	5,200				225
230	24.9	237.9	10,500	27.4	246.9	9,600	30.7	258.5	8,200	33.8	268.1	6,900	38.3	280.8	4,600				230
235	21.9	226.2	9,900	24.6	236.6	9,000	28.3	249.6	7,700	31.5	260.2	6,300	36.3	274.2	4,100				235
240	18.3	212.3	8,800*	21.6	224.7	8,400	25.6	239.6	7,100	29.2	251.6	5,800							240
245	14.0	194.7	7,400*	18.0	210.5	7,800	22.7	228.3	6,500	26.6	242.0	5,300							245
250	7.3	167.2	5,600*	13.5	192.4	7,200	19.3	215.1	6,000	23.7	231.2	4,800							250
255				6.3	162.8	5,700*	15.2	198.7	5,500	20.5	218.7	4,300							255
260							9.5	175.2	5,000										260



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	111,400*b	65.0	209.8	121,900*b													55
60	47.9	199.1	98,500*	53.2	202.9	104,400*	60.4	207.1	113,600b													60
65	42.0	193.9	91,900*	47.8	198.6	98,200*	55.5	203.8	102,700b	62.5	207.1	99,100b										65
70	35.3	187.4	84,100*	41.9	193.4	92,600*	50.3	199.9	93,500	57.7	204.1	90,300b										70
75	27.2	178.8	78,100*	35.1	186.9	87,300*	44.7	195.1	85,700	52.7	200.5	82,700										75
80	15.3	165.2	66,700*	26.9	178.2	80,800*	38.3	189.2	79,000	47.2	196.2	76,300	59.5	202.5	71,700b							80
85				14.9	164.4	68,200*	30.9	181.7	73,200	41.3	190.8	70,700	54.6	199.1	66,500							85
90							21.3	171.0	68,000	34.4	184.1	65,700	49.3	195.1	61,800							90
95										26.0	175.2	61,400	43.6	190.1	57,700	56.2	196.4	54,100b				95
100										13.1	160.2	57,400	37.1	184.0	54,100	51.1	192.6	50,700				100
105													29.4	176.1	50,800	45.5	187.9	47,600				105
110													19.0	164.4	47,700	39.3	182.3	44,800	52.3	188.7	41,800	110
115																32.1	175.0	42,300	46.9	184.3	39,500	115
120																22.9	164.9	39,900	40.9	178.9	37,300	120
125																2.0	140.1	37,600	33.9	172.1	35,300	125
130																			25.4	162.9	33,400	130
135																			11.8	147.1	31,600	135



Liftcrane Luffing Jib Capacities

999 SERIES 3

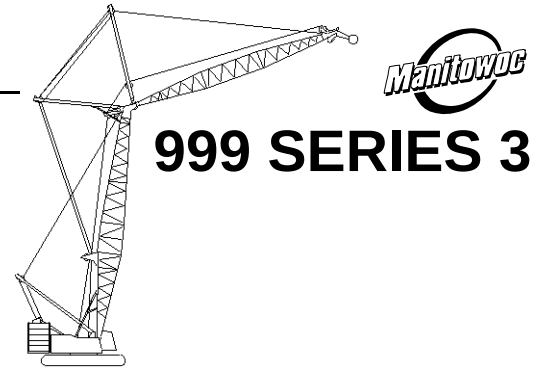
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	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	117,900*b													55
60	54.2	212.1	95,600*	58.4	215.1	101,300*	64.4	218.4	110,500*b													60
65	49.6	208.0	89,500*	54.1	211.7	95,300*	60.3	215.7	102,200	66.2	218.3	98,600b										65
70	44.6	203.2	81,200*	49.5	207.6	90,000*	56.1	212.5	93,100	62.2	215.8	89,700b										70
75	39.1	197.5	74,400*	44.5	202.8	85,300*	51.6	208.7	85,300	58.0	212.8	82,200										75
80	32.9	190.4	68,700*	39.0	197.0	80,200*	46.8	204.3	78,600	53.6	209.3	75,800										80
85	25.3	181.0	64,400*	32.7	189.8	74,600*	41.6	199.0	72,900	49.0	205.2	70,200	59.6	211.2	65,900							85
90	14.2	166.4	58,900*	25.1	180.4	69,500*	35.7	192.5	67,800	44.0	200.2	65,300	55.3	207.8	61,300							90
95				13.8	165.5	60,000*	28.8	184.3	63,300	38.4	194.3	61,000	50.8	204.0	57,200							95
100							19.8	172.7	59,200	32.1	187.0	57,100	45.9	199.4	53,600	56.7	205.1	50,000				100
105										24.2	177.3	53,600	40.6	193.9	50,300	52.2	201.4	47,000				105
110										12.2	161.2	50,400	34.6	187.2	47,400	47.5	197.0	44,200				110
115													27.4	178.5	44,700	42.3	191.9	41,700				115
120													17.7	165.9	42,200	36.6	185.6	39,500	48.7	193.3	36,700	120
125																29.9	177.7	37,300	43.6	188.4	34,700	125
130																21.3	166.8	35,400	38.0	182.4	32,900	130
135																			31.6	174.9	31,200	135
140																			23.7	165.0	29,700	140
145																			10.9	148.0	28,100	145



Liftcrane Luffing Jib Capacities

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

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

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	69.3	231.4	112,000*b																45
50	65.9	229.6	104,600*b	65.9	229.3	105,100*b																50
55	62.4	227.1	98,900*	62.4	226.7	98,800*	70.9	231.4	114,300*b													55
60	58.7	224.2	93,100*	62.3	226.7	98,800*	67.5	229.5	107,500*b													60
65	54.9	220.8	86,600*	58.6	223.8	93,100*	63.9	227.1	101,200*													65
70	50.8	216.9	79,200*	54.8	220.4	88,000*	60.3	224.4	92,800	65.5	227.0	89,400b										70
75	46.5	212.4	72,300*	50.7	216.5	83,300*	56.5	221.2	85,000	61.9	224.4	81,900										75
80	41.9	207.1	66,400*	46.4	212.0	79,100*	52.6	217.5	78,400	58.2	221.5	75,500										80
85	36.8	200.8	61,300*	41.8	206.6	74,000*	48.4	213.3	72,600	54.4	218.0	69,900										85
90	30.9	193.1	57,100*	36.6	200.3	67,900*	43.9	208.4	67,600	50.3	214.1	65,100	59.6	219.8	60,900							90
95	23.8	183.1	53,800*	30.8	192.6	62,900*	39.1	202.5	63,100	46.0	209.5	60,800	55.8	216.6	56,900							95
100	13.4	167.5	51,300*	23.6	182.5	59,000*	33.6	195.5	59,100	41.3	204.1	56,900	51.9	212.8	53,300							100
105				13.0	166.6	52,000*	27.1	186.7	55,500	36.1	197.6	53,500	47.6	208.4	50,000	57.1	213.8	46,600				105
110							18.6	174.3	52,300	30.1	189.7	50,300	43.1	203.4	47,100	53.2	210.2	43,900				110
115										22.8	179.3	47,500	38.1	197.4	44,500	49.0	206.0	41,400				115
120										11.4	162.2	44,800	32.5	190.1	42,000	44.6	201.2	39,100				120
125													25.8	180.8	39,800	39.8	195.5	37,100	50.0	202.2	34,300	125
130													16.7	167.4	37,700	34.4	188.7	35,100	45.7	197.6	32,600	130
135																28.1	180.2	33,400	41.0	192.1	30,900	135
140																20.0	168.5	31,700	35.8	185.6	29,400	140
145																			29.7	177.6	28,000	145
150																			22.2	167.0	26,600	150
155																			10.2	148.8	25,300	155



Liftcrane Luffing Jib Capacities

999 SERIES 3

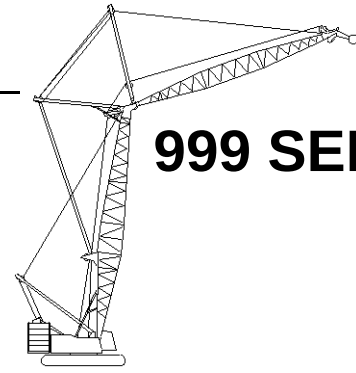
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	71.5	242.1	108,200*b																45
50	68.5	240.6	96,600*b	68.4	240.2	101,800*b																50
55	65.4	238.3	93,600*	65.3	238.0	95,900*	69.8	240.3	104,100*b													55
60	62.1	235.8	90,400*	62.1	235.4	90,500*	66.7	238.2	98,300*													60
65	58.8	232.9	83,800*																			65
70	55.4	229.6	76,800*	58.7	232.5	85,600*	63.5	235.8	92,300													70
75	51.8	225.8	70,600*	55.3	229.1	81,100*	60.3	233.0	84,600	65.0	235.7	81,400										75
80	48.0	221.4	64,900*	51.7	225.3	77,000*	56.9	229.9	77,900	61.7	233.1	75,000										80
85	44.0	216.5	59,600*	47.9	221.0	72,500*	53.4	226.3	72,200	58.4	230.1	69,400										85
90	39.6	210.7	55,100*	43.9	216.0	66,900*	49.7	222.2	67,100	55.0	226.8	64,600	63.0	231.3	60,300							90
95	34.8	204.0	51,300*	39.5	210.3	61,500*	45.7	217.6	62,700	51.3	222.9	60,300	59.7	228.5	56,300							95
100	29.3	195.8	48,100*	34.7	203.5	57,000*	41.5	212.2	58,700	47.5	218.5	56,500	56.3	225.3	52,700							100
105	22.5	185.1	45,700*	29.1	195.2	53,100*	36.9	205.9	55,200	43.5	213.5	53,000	52.7	221.6	49,500							105
110	12.6	168.6	44,500*	22.3	184.5	50,200*	31.8	198.4	52,000	39.0	207.6	49,900	49.0	217.4	46,600	57.4	222.5	43,200				110
115				12.3	167.6	45,200*	25.6	189.0	49,000	34.2	200.7	47,100	45.0	212.6	43,900	53.9	218.9	40,800				115
120							17.6	175.9	46,300	28.5	192.3	44,600	40.8	207.1	41,500	50.2	214.9	38,500				120
125										21.6	181.2	42,200	36.1	200.6	39,300	46.3	210.4	36,500				125
130										10.8	163.1	39,900	30.8	192.8	37,300	42.2	205.1	34,600	51.1	211.1	31,900	130
135													24.4	183.0	35,400	37.6	198.9	32,900	47.3	206.7	30,300	135
140													15.8	168.7	33,700	32.5	191.6	31,200	43.2	201.6	28,800	140
145																26.6	182.5	29,700	38.8	195.7	27,400	145
150																18.9	170.2	28,300	33.8	188.7	26,100	150
155																			28.1	180.1	24,900	155
160																			21.0	168.8	23,700	160
165																			9.7	149.6	22,500	165



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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*	73.2	252.6	104,500*																45
50	70.5	251.3	89,300*	70.5	250.9	98,700*																50
55	67.7	249.3	86,700*	67.7	248.9	93,200*																55
60	64.9	247.0	84,200*	64.8	246.6	88,100*	69.0	249.0	95,400*													60
65	62.0	244.5	81,000*																			65
70	58.9	241.5	74,700*	61.9	244.1	83,500*	66.1	246.9	90,400*													70
75	55.8	238.3	68,700*	58.9	241.1	79,200*	63.2	244.5	84,400	67.4	246.7	81,200										75
80	52.6	234.6	63,400*	55.7	237.8	75,300*	60.3	241.7	77,800	64.5	244.4	74,800										80
85	49.2	230.4	58,600*	52.5	234.1	71,300*	57.2	238.6	72,100	61.6	241.8	69,300										85
90	45.6	225.7	54,100*	49.1	230.0	65,800*	54.0	235.1	67,000	58.6	238.8	64,400										90
95	41.8	220.3	50,100*	45.5	225.2	60,700*	50.7	231.1	62,600	55.4	235.5	60,200	62.7	240.0	56,100							95
100	37.7	214.2	46,600*	41.7	219.9	56,300*	47.2	226.6	58,700	52.2	231.7	56,300	59.7	237.1	52,500							100
105	33.1	207.0	43,700*	37.6	213.7	52,100*	43.5	221.6	55,100	48.8	227.5	52,900	56.6	233.9	49,300							105
110	27.8	198.2	41,200*	33.0	206.4	48,600*	39.5	215.8	51,900	45.2	222.7	49,900	53.4	230.4	46,400							110
115	21.4	187.0	39,400*	27.7	197.7	45,600*	35.1	209.1	49,000	41.3	217.3	47,100	50.1	226.3	43,800	57.6	231.1	40,600				115
120	12.0	169.6	38,500*	21.2	186.3	43,300*	30.2	201.1	46,400	37.1	211.0	44,500	46.5	221.8	41,400	54.5	227.7	38,400				120
125				11.7	168.6	39,900*	24.4	191.1	43,900	32.5	203.6	42,200	42.8	216.6	39,200	51.2	223.8	36,300				125
130							16.8	177.3	41,700	27.1	194.7	40,000	38.8	210.6	37,200	47.7	219.4	34,500				130
135										20.5	183.0	38,000	34.3	203.7	35,400	44.0	214.4	32,700	52.0	219.9	30,100	135
140										10.3	163.9	36,100	29.3	195.4	33,700	40.1	208.8	31,100	48.5	215.7	28,700	140
145													23.2	185.0	32,000	35.8	202.2	29,600	44.9	210.9	27,300	145
150													15.0	170.0	30,500	30.9	194.4	28,200	41.1	205.4	26,000	150
155																25.3	184.8	26,900	36.9	199.0	24,800	155
160																18.0	171.7	25,700	32.2	191.6	23,600	160
165																			26.8	182.5	22,500	165
170																			20.0	170.5	21,500	170
175																			9.2	150.4	20,500	175

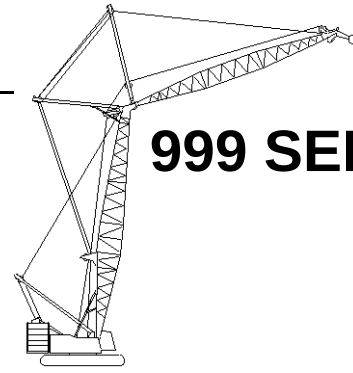


Liftcrane Luffing Jib Capacities

999 SERIES 3

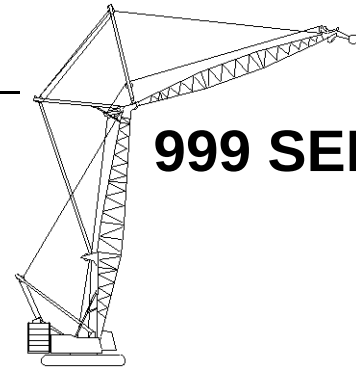
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	90,200*																60
65	64.5	255.7	76,100*	67.0	257.6	85,500*	70.8	259.7	90,800													65
70	61.8	253.1	72,200*	64.4	255.3	81,100*	68.2	257.8	82,200													70
75	59.0	250.2	66,900*	61.7	252.7	77,000*	65.6	255.6	75,000													75
80	56.2	247.0	61,900*	59.0	249.8	72,900	63.0	253.1	68,900	66.8	255.4	64,900										80
85	53.2	243.3	57,300*	56.1	246.5	67,200	60.2	250.4	63,500	64.2	253.1	59,800										85
90	50.2	239.3	53,200*	53.2	242.9	62,300	57.4	247.3	58,800	61.5	250.4	55,300										90
95	46.9	234.8	49,300*	50.1	238.9	57,900	54.5	243.8	54,600	58.7	247.5	51,400										95
100	43.5	229.7	45,800*	46.9	234.3	54,100	51.5	239.9	50,900	55.8	244.2	47,900	62.5	248.6	42,800							100
105	39.9	224.0	42,700*	43.5	229.3	50,600	48.4	235.7	47,600	52.9	240.5	44,700	59.7	245.8	39,900							105
110	36.0	217.4	40,000*	39.8	223.5	47,400	45.0	230.8	44,700	49.8	236.4	41,900	56.9	242.6	37,300							110
115	31.6	209.8	37,600*	35.9	216.9	44,600	41.5	225.4	41,900	46.5	231.9	39,300	54.0	239.1	35,000							115
120	26.6	200.6	35,700*	31.5	209.3	41,900*	37.7	219.2	39,500	43.1	226.7	37,000	51.0	235.2	32,800	57.8	239.8	28,700				120
125	20.5	188.8	34,300*	26.5	200.0	39,600*	33.6	212.1	37,200	39.5	220.9	34,800	47.8	230.8	30,900	54.9	236.4	27,000				125
130	11.5	170.6	33,700*	20.3	188.1	37,400	28.9	203.7	35,100	35.5	214.2	32,800	44.4	225.9	29,100	51.9	232.6	25,300				130
135				11.1	169.6	35,100*	23.3	193.2	33,200	31.0	206.4	31,000	40.9	220.3	27,400	48.8	228.4	23,800				135
140							16.0	178.7	31,300	25.9	197.0	29,300	37.0	214.0	25,900	45.5	223.7	22,500	52.7	228.7	19,100	140
145										19.6	184.7	27,700	32.8	206.7	24,400	42.0	218.3	21,200	49.6	224.6	18,000	145
150										9.8	164.8	26,200	28.0	197.9	23,100	38.3	212.3	20,000	46.3	220.0	16,900	150
155													22.2	186.9	21,800	34.2	205.3	18,800	42.9	214.8	15,900	155
160													14.3	171.2	20,600	29.6	197.0	17,800	39.2	208.9	14,900	160
165																24.2	186.9	16,700	35.2	202.2	14,000	165
170																17.2	173.2	15,800	30.7	194.3	13,200	170
175																			25.6	184.7	12,400	175
180																			19.1	172.2	11,600	180
185																			8.8	151.1	10,800	185



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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*																			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	83,100*																65
70	64.1	264.4	69,100*	66.5	266.4	79,000*	70.0	268.5	81,700													70
75	61.7	261.8	64,900*	64.1	264.0	75,200*	67.6	266.5	74,500													75
80	59.1	258.9	60,300*	61.6	261.4	71,600*	65.2	264.3	68,400													80
85	56.5	255.7	56,100*	59.0	258.5	66,800	62.7	261.8	63,000	66.3	264.1	59,200										85
90	53.8	252.1	52,100*	56.4	255.2	61,900	60.2	259.0	58,300	63.8	261.7	54,800										90
95	51.0	248.2	48,600*	53.7	251.7	57,500	57.6	255.9	54,200	61.3	259.1	50,900										95
100	48.0	243.8	45,200*	50.9	247.7	53,600	55.0	252.5	50,500	58.8	256.1	47,400										100
105	45.0	239.0	42,100*	48.0	243.4	50,200	52.2	248.8	47,200	56.2	252.9	44,200	62.3	257.3	39,300							105
110	41.7	233.6	39,400*	44.9	238.5	47,000	49.3	244.6	44,200	53.4	249.3	41,400	59.8	254.5	36,800							110
115	38.3	227.5	36,900*	41.7	233.1	44,200	46.3	240.0	41,500	50.6	245.3	38,800	57.2	251.3	34,400							115
120	34.5	220.6	34,800*	38.2	227.0	41,600*	43.2	234.8	39,100	47.7	240.9	36,500	54.5	247.8	32,300							120
125	30.3	212.5	32,900*	34.4	220.0	38,900*	39.8	229.1	36,800	44.6	236.0	34,400	51.7	244.0	30,400	58.0	248.5	26,400				125
130	25.5	202.8	31,400*	30.2	212.0	36,700*	36.2	222.5	34,700	41.3	230.5	32,400	48.8	239.8	28,600	55.3	245.1	24,800				130
135	19.6	190.5	30,200*	25.4	202.2	34,800*	32.2	215.0	32,800	37.8	224.3	30,600	45.8	235.1	26,900	52.6	241.4	23,300				135
140	11.0	171.5	29,800*	19.5	189.8	33,200	27.7	206.1	31,100	34.0	217.3	28,900	42.6	229.8	25,400	49.7	237.3	21,900				140
145				10.7	170.5	31,100*	22.4	195.1	29,400	29.8	209.1	27,400	39.2	223.9	24,000	46.8	232.8	20,600				145
150							15.3	180.0	27,800	24.9	199.2	25,900	35.5	217.2	22,700	43.6	227.7	19,400	50.4	233.5	16,300	150
155										18.8	186.3	24,500	31.4	209.5	21,400	40.3	222.0	18,300	47.5	229.0	15,300	155
160										9.4	165.5	23,100	26.8	200.3	20,300	36.7	215.6	17,300	44.4	224.1	14,400	160
165													21.3	188.8	19,100	32.8	208.2	16,300	41.1	218.6	13,500	165
170													13.7	172.4	18,100	28.4	199.6	15,400	37.6	212.4	12,700	170
175																23.2	188.9	14,500	33.8	205.3	11,900	175
180																16.5	174.7	13,600	29.5	197.0	11,100	180
185																			24.5	186.9	10,400	185
190																			18.4	173.8	9,700	190
195																			8.4	151.8	9,000	195

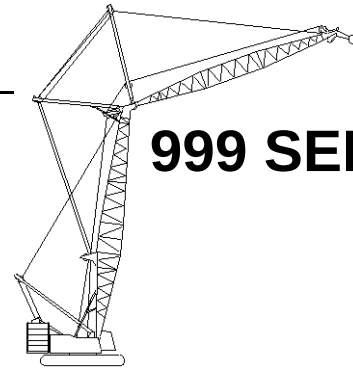


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



140 Ft. Boom, 140 Ft. Jib

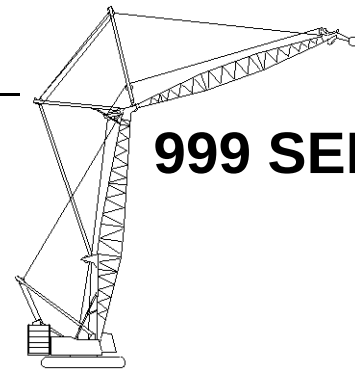
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	80,200*																65
70	66.1	275.5	64,200*	68.3	277.2	76,400*																70
75	63.8	273.1	62,800*	66.1	275.1	72,900*	69.3	277.3	73,900													75
80	61.5	270.4	58,800*	63.8	272.7	69,500*	67.1	275.3	67,700													80
85	59.2	267.5	54,900*	61.5	270.0	66,200	64.8	273.0	62,300													85
90	56.7	264.3	51,200*	59.1	267.1	61,300	62.5	270.5	57,700	65.8	272.8	54,100										90
95	54.2	260.8	47,800*	56.7	263.9	56,900	60.2	267.7	53,500	63.6	270.4	50,100										95
100	51.7	257.0	44,600*	54.2	260.4	53,100	57.8	264.6	49,900	61.2	267.8	46,700										100
105	49.0	252.8	41,800*	51.6	256.6	49,600	55.3	261.2	46,600	58.9	264.8	43,500										105
110	46.2	248.1	39,100*	48.9	252.3	46,500	52.8	257.5	43,600	56.4	261.6	40,700	62.1	266.0	36,000							110
115	43.2	243.0	36,600*	46.1	247.7	43,700	50.1	253.5	40,900	53.9	258.0	38,200	59.8	263.1	33,600							115
120	40.1	237.2	34,300*	43.2	242.5	41,100	47.4	249.0	38,500	51.3	254.1	35,800	57.4	260.0	31,500							120
125	36.8	230.8	32,400*	40.1	236.8	38,700	44.5	244.1	36,200	48.6	249.9	33,700	54.9	256.6	29,600							125
130	33.2	223.5	30,600*	36.7	230.3	36,500*	41.5	238.6	34,200	45.8	245.2	31,800	52.3	252.8	27,800							130
135	29.2	215.1	29,100*	33.1	223.0	34,400*	38.3	232.5	32,300	42.9	239.9	30,000	49.7	248.7	26,200	55.7	253.8	22,500				135
140	24.6	205.0	27,900*	29.1	214.6	32,500*	34.8	225.7	30,500	39.7	234.2	28,300	46.9	244.1	24,700	53.1	250.2	21,100				140
145	18.9	192.1	27,000*	24.4	204.4	30,900*	31.0	217.8	28,900	36.4	227.6	26,800	44.0	239.1	23,300	50.5	246.2	19,900				145
150	10.6	172.4	26,700*	18.7	191.4	29,300	26.7	208.5	27,300	32.7	220.2	25,300	40.9	233.6	22,000	47.8	241.8	18,700				150
155				10.3	171.3	27,400*	21.5	197.0	25,900	28.7	211.6	24,000	37.7	227.4	20,800	44.9	236.9	17,600	51.2	242.3	14,500	155
160							14.8	181.3	24,500	23.9	201.3	22,700	34.1	220.3	19,600	41.9	231.5	16,600	48.5	238.0	13,600	160
165										18.1	187.9	21,500	30.2	212.2	18,500	38.7	225.5	15,600	45.6	233.3	12,700	165
170										9.0	166.3	20,300	25.8	202.6	17,500	35.3	218.8	14,700	42.7	228.0	11,900	170
175													20.5	190.6	16,500	31.5	211.1	13,800	39.5	222.2	11,100	175
180													13.2	173.5	15,600	27.3	202.0	13,000	36.2	215.6	10,400	180
185																22.3	190.9	12,200	32.5	208.2	9,700	185
190																15.9	176.0	11,400	28.4	199.5	9,000	190
195																			23.6	189.0	8,400	195
200																			17.7	175.3	7,800	200
205																			8.1	152.5	7,100	205



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

140 Ft. Boom, 150 Ft. Jib

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	73,600*																70
75	65.7	284.2	58,500*	67.8	286.0	70,800*	70.7	288.0	72,900*													75
80	63.6	281.8	56,900*	65.7	283.8	67,500*	68.7	286.1	67,400													80
85	61.4	279.1	53,400*	63.5	281.4	63,800*	66.6	284.0	62,100													85
90	59.2	276.2	50,000*	61.4	278.7	60,200*	64.5	281.7	57,400	67.6	283.8	53,800										90
95	57.0	273.0	46,800*	59.2	275.8	56,700*	62.4	279.1	53,300	65.5	281.5	49,900										95
100	54.6	269.6	43,900*	56.9	272.6	52,900	60.2	276.3	49,600	63.3	279.1	46,400										100
105	52.2	265.8	41,100*	54.6	269.1	49,400	57.9	273.3	46,300	61.2	276.4	43,300										105
110	49.8	261.7	38,600*	52.2	265.4	46,300	55.6	269.9	43,400	59.0	273.5	40,500										110
115	47.2	257.2	36,200*	49.7	261.2	43,500	53.3	266.3	40,700	56.7	270.3	37,900	62.0	274.6	33,400							115
120	44.5	252.2	34,000*	47.1	256.7	40,900	50.8	262.3	38,300	54.4	266.8	35,600	59.8	271.8	31,300							120
125	41.7	246.8	32,000*	44.4	251.8	38,500	48.3	258.0	36,000	51.9	263.0	33,500	57.5	268.7	29,400							125
130	38.7	240.8	30,100*	41.6	246.3	36,300*	45.7	253.3	34,000	49.5	258.8	31,600	55.2	265.3	27,600							130
135	35.5	234.0	28,500*	38.6	240.3	34,200*	42.9	248.1	32,100	46.9	254.2	29,800	52.9	261.6	26,000							135
140	32.0	226.4	27,100*	35.4	233.5	32,200*	40.0	242.3	30,300	44.2	249.2	28,100	50.4	257.6	24,500	56.0	262.5	20,900				140
145	28.2	217.6	25,900*	31.9	225.9	30,500*	36.9	235.9	28,700	41.3	243.7	26,600	47.9	253.2	23,100	53.6	258.9	19,600				145
150	23.7	207.1	24,900*	28.0	217.0	28,900*	33.6	228.7	27,200	38.3	237.6	25,100	45.2	248.3	21,800	51.2	255.0	18,400				150
155	18.2	193.7	24,200*	23.6	206.5	27,700*	29.9	220.4	25,800	35.1	230.8	23,800	42.4	243.0	20,600	48.7	250.7	17,400				155
160	10.2	173.2	23,900*	18.1	193.0	26,300	25.7	210.8	24,400	31.6	223.1	22,600	39.5	237.2	19,400	46.1	246.1	16,300	51.8	251.2	13,300	160
165				9.9	172.2	24,500*	20.8	198.8	23,200	27.6	214.1	21,400	36.3	230.6	18,300	43.3	240.9	15,400	49.3	247.0	12,500	165
170							14.2	182.5	22,000	23.1	203.3	20,200	32.9	223.3	17,300	40.4	235.3	14,500	46.7	242.4	11,700	170
175										17.5	189.4	19,200	29.2	214.8	16,400	37.4	228.9	13,600	44.0	237.4	10,900	175
180										8.7	167.0	18,100	24.9	204.8	15,500	34.1	221.9	12,800	41.2	231.8	10,200	180
185													19.8	192.3	14,600	30.4	213.8	12,000	38.1	225.7	9,500	185
190													12.7	174.6	13,800	26.3	204.3	11,300	34.9	218.8	8,800	190
195																21.5	192.8	10,600	31.3	211.0	8,200	195
200																15.3	177.4	9,900	27.4	201.9	7,600	200
205																			22.8	191.0	7,000	205
210																			17.0	176.8	6,500	210
215																			7.8	153.1	5,900	215



Liftcrane Luffing Jib Capacities

999 SERIES 3

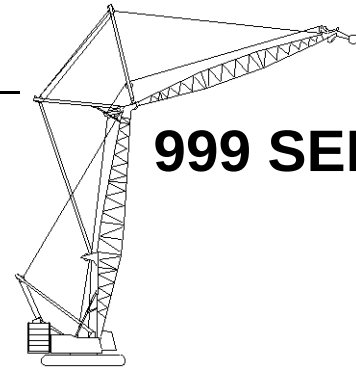
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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			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	74.9	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	66,800*																75
80	65.4	292.9	53,300*	67.3	294.7	64,200*	70.1	296.8	66,000*													80
85	63.4	290.4	51,600*	65.3	292.5	61,200*	68.2	294.9	61,400													85
90	61.3	287.8	48,500*	63.3	290.0	58,000*	66.2	292.7	56,800													90
95	59.3	284.9	45,600*	61.3	287.4	55,000*	64.2	290.4	52,700	67.1	292.5	49,200										95
100	57.2	281.7	42,900*	59.2	284.5	51,800*	62.2	287.8	49,000	65.1	290.2	45,700										100
105	55.0	278.3	40,300*	57.1	281.3	48,800	60.2	285.0	45,700	63.1	287.8	42,600										105
110	52.8	274.6	37,800*	54.9	277.9	45,700	58.1	282.0	42,800	61.1	285.1	39,800										110
115	50.5	270.5	35,600*	52.7	274.1	42,900	55.9	278.6	40,100	59.0	282.1	37,300										115
120	48.1	266.2	33,600*	50.4	270.1	40,300	53.7	275.1	37,600	56.9	279.0	35,000	61.9	283.3	30,500							120
125	45.6	261.4	31,600*	48.0	265.7	38,000	51.5	271.2	35,400	54.7	275.5	32,800	59.8	280.4	28,600							125
130	43.0	256.2	29,800*	45.5	260.9	35,800	49.1	267.0	33,400	52.5	271.7	30,900	57.7	277.3	26,900							130
135	40.3	250.5	28,100*	43.0	255.7	33,900	46.7	262.4	31,500	50.2	267.7	29,100	55.5	274.0	25,200							135
140	37.4	244.2	26,700*	40.2	250.0	32,000	44.1	257.4	29,700	47.8	263.3	27,500	53.3	270.4	23,700							140
145	34.3	237.1	25,300*	37.3	243.7	30,300*	41.5	251.9	28,100	45.3	258.4	26,000	51.0	266.4	22,400	56.2	271.2	18,800				145
150	31.0	229.2	24,200*	34.2	236.6	28,600*	38.7	245.8	26,600	42.7	253.2	24,500	48.7	262.1	21,100	54.0	267.7	17,700				150
155	27.2	220.0	23,100*	30.9	228.7	27,200*	35.7	239.1	25,200	40.0	247.4	23,200	46.2	257.5	19,900	51.8	263.8	16,600				155
160	22.9	209.1	22,300*	27.1	219.5	25,900*	32.5	231.6	23,900	37.1	241.0	22,000	43.7	252.4	18,700	49.4	259.7	15,600				160
165	17.6	195.3	21,800*	22.8	208.5	24,500	28.9	223.0	22,700	33.9	233.9	20,800	41.0	246.8	17,700	47.0	255.1	14,600	52.3	259.9	11,700	165
170	9.8	174.1	21,100*	17.5	194.5	23,300	24.9	213.0	21,500	30.5	225.8	19,700	38.2	240.7	16,700	44.5	250.2	13,700	50.0	255.9	10,900	170
175				9.6	173.0	21,600*	20.1	200.6	20,400	26.7	216.5	18,600	35.1	233.8	15,700	41.9	244.8	12,900	47.6	251.4	10,100	175
180							13.8	183.7	19,300	22.3	205.3	17,700	31.8	226.1	14,900	39.1	238.8	12,100	45.1	246.6	9,400	180
185										16.9	190.9	16,700	28.2	217.3	14,000	36.1	232.2	11,300	42.5	241.3	8,700	185
190										8.4	167.7	15,700	24.1	206.9	13,200	32.9	224.8	10,600	39.8	235.5	8,100	190
195													19.1	194.0	12,400	29.4	216.4	9,900	36.9	229.0	7,500	195
200													12.3	175.7	11,700	25.5	206.6	9,300	33.7	221.8	6,900	200
205																20.8	194.6	8,600	30.3	213.7	6,300	205
210																14.8	178.6	8,000	26.5	204.3	5,800	210
215																			22.0	192.9	5,300	215
220																			16.5	178.2	4,800	220
225																			7.5	153.7	4,200	225



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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			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	75.8	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	60,900*																80
85	65.1	301.6	49,100*	66.9	303.5	58,300*	69.5	305.6	59,800*													85
90	63.2	299.1	47,000*	65.0	301.2	55,700*	67.7	303.6	56,300													90
95	61.3	296.4	44,400*	63.1	298.7	53,000*	65.9	301.4	52,100													95
100	59.3	293.5	41,900*	61.2	296.0	50,300*	64.0	299.1	48,500	66.7	301.2	45,200										100
105	57.3	290.4	39,400*	59.3	293.1	47,600*	62.1	296.5	45,200	64.8	298.9	42,100										105
110	55.3	287.0	37,200*	57.3	290.0	45,000*	60.2	293.7	42,300	62.9	296.4	39,300										110
115	53.2	283.3	35,000*	55.2	286.6	42,400	58.2	290.6	39,600	61.0	293.7	36,700										115
120	51.1	279.4	33,000*	53.1	282.9	39,900	56.2	287.3	37,200	59.1	290.8	34,400										120
125	48.8	275.1	31,300*	51.0	279.0	37,500	54.1	283.8	34,900	57.1	287.6	32,300	61.8	291.9	28,100							125
130	46.5	270.5	29,500*	48.8	274.7	35,400	52.0	280.0	32,900	55.0	284.2	30,400	59.8	289.1	26,300							130
135	44.2	265.5	27,900*	46.5	270.0	33,400	49.8	275.9	31,000	52.9	280.5	28,600	57.8	286.0	24,700							135
140	41.7	260.0	26,400*	44.1	265.0	31,600	47.5	271.4	29,300	50.8	276.5	27,000	55.8	282.7	23,200							140
145	39.0	254.0	25,000*	41.6	259.5	29,900	45.2	266.6	27,700	48.6	272.2	25,500	53.7	279.1	21,800							145
150	36.2	247.5	23,800*	39.0	253.6	28,300	42.8	261.3	26,200	46.3	267.6	24,000	51.6	275.2	20,500	56.5	279.9	17,100				150
155	33.3	240.1	22,700*	36.2	247.0	26,800	40.2	255.5	24,800	43.9	262.5	22,700	49.4	271.1	19,300	54.4	276.4	16,000				155
160	30.0	231.9	21,700*	33.2	239.6	25,500	37.5	249.2	23,500	41.3	257.0	21,500	47.1	266.5	18,200	52.3	272.6	15,000				160
165	26.4	222.4	20,900*	29.9	231.3	24,200	34.6	242.2	22,200	38.7	250.9	20,300	44.8	261.6	17,200	50.1	268.6	14,100				165
170	22.2	211.1	20,200*	26.3	221.8	22,900	31.4	234.4	21,100	35.9	244.3	19,200	42.3	256.3	16,200	47.9	264.1	13,200	52.8	268.7	10,300	170
175	17.1	196.7	19,700*	22.1	210.4	21,800	28.0	225.5	20,000	32.9	236.8	18,200	39.7	250.4	15,300	45.5	259.4	12,400	50.6	264.7	9,500	175
180	9.5	174.9	18,600*	17.0	196.0	20,700	24.1	215.1	19,000	29.6	228.4	17,200	37.0	244.0	14,400	43.1	254.2	11,600	48.4	260.4	8,800	180
185				9.3	173.8	19,100*	19.5	202.3	18,000	25.9	218.8	16,300	34.0	236.9	13,500	40.6	248.5	10,800	46.1	255.7	8,200	185
190							13.3	184.8	17,000	21.7	207.2	15,400	30.9	228.9	12,800	37.9	242.3	10,100	43.7	250.6	7,500	190
195										16.4	192.3	14,600	27.3	219.8	12,000	35.0	235.4	9,400	41.2	245.1	6,900	195
200										8.1	168.4	13,700	23.3	209.0	11,300	31.9	227.7	8,800	38.5	239.0	6,400	200
205													18.5	195.6	10,600	28.5	218.9	8,200	35.7	232.3	5,800	205
210													11.9	176.7	9,900	24.7	208.8	7,600	32.7	224.8	5,300	210
215																20.2	196.4	7,000	29.4	216.3	4,800	215
220																14.4	179.9	6,500	25.7	206.5	4,300	220



Liftcrane Luffing Jib Capacities

999 SERIES 3

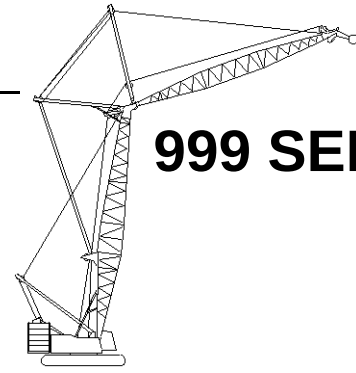
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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			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	75.0	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	55,100*	70.7	316.3	53,700*													85
90	64.8	310.3	44,600*	66.5	312.2	53,300*	69.0	314.4	53,700*													90
95	63.0	307.8	43,200*	64.7	309.9	51,000*	67.3	312.4	51,500													95
100	61.2	305.1	40,900*	63.0	307.4	48,700*	65.5	310.1	47,800													100
105	59.4	302.2	38,700*	61.1	304.7	46,400*	63.8	307.7	44,600	66.3	310.0	41,400										105
110	57.5	299.1	36,600*	59.3	301.8	44,100*	62.0	305.1	41,600	64.6	307.6	38,600										110
115	55.6	295.7	34,600*	57.4	298.7	41,800*	60.2	302.3	39,000	62.8	305.1	36,000										115
120	53.6	292.1	32,700*	55.5	295.3	39,300	58.3	299.3	36,500	61.0	302.4	33,800										120
125	51.6	288.2	30,900*	53.5	291.7	37,000	56.4	296.0	34,300	59.1	299.5	31,700										125
130	49.5	284.0	29,300*	51.5	287.8	34,800	54.5	292.5	32,300	57.2	296.3	29,700	61.7	300.6	25,600							130
135	47.4	279.5	27,800*	49.5	283.6	32,900	52.5	288.8	30,400	55.3	292.9	28,000	59.8	297.8	23,900							135
140	45.1	274.7	26,300*	47.3	279.1	31,000	50.4	284.7	28,700	53.4	289.3	26,300	58.0	294.7	22,500							140
145	42.8	269.4	25,000*	45.1	274.2	29,300	48.3	280.4	27,100	51.3	285.4	24,800	56.1	291.4	21,100							145
150	40.4	263.7	23,700*	42.8	269.0	27,800	46.1	275.7	25,600	49.3	281.2	23,400	54.1	287.9	19,800							150
155	37.9	257.5	22,500*	40.4	263.2	26,300	43.8	270.6	24,200	47.1	276.6	22,100	52.1	284.0	18,600	56.7	288.6	15,200				155
160	35.2	250.6	21,500*	37.8	257.0	24,900	41.5	265.1	22,900	44.9	271.7	20,900	50.0	279.9	17,500	54.7	285.1	14,200				160
165	32.3	243.0	20,600*	35.1	250.1	23,600	39.0	259.1	21,700	42.6	266.4	19,700	47.9	275.5	16,500	52.7	281.4	13,300				165
170	29.1	234.5	19,700*	32.2	242.5	22,400	36.4	252.5	20,500	40.1	260.6	18,600	45.7	270.8	15,500	50.7	277.4	12,400				170
175	25.6	224.6	19,000*	29.0	233.9	21,300	33.6	245.3	19,400	37.6	254.3	17,600	43.4	265.6	14,600	48.6	273.1	11,600				175
180	21.6	213.0	18,500*	25.5	224.0	20,200	30.5	237.2	18,400	34.8	247.4	16,600	41.1	260.0	13,700	46.4	268.5	10,800	51.2	273.6	8,000	180
185	16.6	198.2	18,100*	21.5	212.3	19,100	27.2	227.9	17,400	31.9	239.7	15,700	38.5	253.9	12,900	44.2	263.4	10,100	49.1	269.3	7,400	185
190	9.3	175.7	16,200*	16.5	197.4	18,200	23.4	217.1	16,500	28.7	231.0	14,900	35.9	247.3	12,100	41.8	258.0	9,400	47.0	264.8	6,800	190
195				9.0	174.5	16,600*	18.9	203.9	15,600	25.2	221.0	14,000	33.0	239.9	11,400	39.4	252.1	8,700	44.7	259.8	6,200	195
200							13.0	185.9	14,800	21.0	209.0	13,200	30.0	231.6	10,700	36.7	245.6	8,100	42.4	254.5	5,600	200
205										15.9	193.7	12,500	26.6	222.1	10,000	34.0	238.4	7,500	40.0	248.7	5,100	205
210										7.9	169.1	11,700	22.7	211.0	9,300	31.0	230.5	6,900	37.4	242.4	4,600	210
215													18.0	197.2	8,700	27.7	221.4	6,400	34.7	235.4	4,100	215
220													11.6	177.7	8,100	24.0	210.9	5,800				220
225																19.6	198.1	5,300				225
230																13.9	181.1	4,800				230



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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			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	75.8	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	49,900*	70.2	325.1	48,600*													90
95	64.5	319.0	40,500*	66.2	320.9	48,600*	68.5	323.2	48,600*													95
100	62.8	316.5	39,500*	64.5	318.6	46,700*	66.9	321.1	47,500													100
105	61.1	313.8	37,600*	62.8	316.1	44,700*	65.3	318.8	44,300	67.6	320.9	41,100										105
110	59.4	310.9	35,700*	61.1	313.3	42,700*	63.6	316.4	41,300	66.0	318.7	38,300										110
115	57.6	307.7	33,800*	59.3	310.4	40,700*	61.9	313.8	38,700	64.3	316.3	35,700										115
120	55.8	304.4	32,100*	57.6	307.3	38,700*	60.1	311.0	36,200	62.6	313.8	33,500										120
125	53.9	300.8	30,400*	55.8	304.0	36,700	58.4	308.0	34,000	60.9	311.1	31,400										125
130	52.0	297.0	28,800*	53.9	300.4	34,500	56.6	304.7	32,000	59.2	308.1	29,400										130
135	50.1	292.9	27,300*	52.0	296.6	32,600	54.8	301.3	30,100	57.4	305.0	27,700	61.6	309.3	23,600							135
140	48.1	288.5	25,900*	50.1	292.5	30,800	52.9	297.5	28,400	55.6	301.6	26,000	59.8	306.4	22,200							140
145	46.0	283.8	24,700*	48.0	288.1	29,100	50.9	293.6	26,800	53.7	298.0	24,500	58.1	303.4	20,800							145
150	43.9	278.7	23,500*	46.0	283.4	27,500	49.0	289.3	25,300	51.8	294.2	23,100	56.3	300.1	19,500							150
155	41.6	273.3	22,300*	43.8	278.3	26,000	46.9	284.7	23,900	49.9	290.1	21,800	54.4	296.6	18,300							155
160	39.3	267.3	21,200*	41.6	272.8	24,700	44.8	279.8	22,600	47.8	285.6	20,600	52.5	292.8	17,200	56.8	297.3	13,900				160
165	36.8	260.8	20,300*	39.2	266.8	23,400	42.6	274.5	21,400	45.8	280.9	19,400	50.6	288.8	16,200	55.0	293.9	13,000				165
170	34.2	253.7	19,400*	36.8	260.3	22,200	40.3	268.8	20,300	43.6	275.7	18,400	48.6	284.5	15,200	53.1	290.2	12,100				170
175	31.4	245.8	18,600*	34.1	253.2	21,000	37.9	262.5	19,200	41.4	270.2	17,300	46.6	279.9	14,300	51.2	286.3	11,300				175
180	28.3	237.0	17,900*	31.3	245.3	19,900	35.4	255.7	18,200	39.0	264.2	16,400	44.4	274.9	13,400	49.2	282.0	10,500				180
185	24.9	226.9	17,300*	28.2	236.4	18,900	32.6	248.2	17,200	36.5	257.7	15,500	42.2	269.5	12,600	47.2	277.5	9,800	51.7	282.4	7,100	185
190	21.0	214.8	16,800*	24.8	226.2	18,000	29.7	239.8	16,300	33.9	250.5	14,600	39.9	263.7	11,800	45.1	272.6	9,100	49.7	278.2	6,500	190
195	16.1	199.6	16,600*	20.9	214.1	17,000	26.4	230.3	15,400	31.0	242.5	13,800	37.5	257.3	11,100	42.9	267.4	8,500	47.7	273.8	5,900	195
200	9.0	176.4	14,300*	16.0	198.8	16,100	22.8	219.1	14,600	27.9	233.5	13,000	34.9	250.4	10,400	40.6	261.7	7,800	45.6	269.0	5,300	200
205				8.7	175.3	14,800*	18.4	205.5	13,800	24.5	223.2	12,300	32.1	242.7	9,700	38.3	255.6	7,200	43.5	263.8	4,800	205
210							12.6	187.0	13,000	20.5	210.8	11,500	29.1	234.2	9,100	35.7	248.8	6,700	41.2	258.3	4,300	210
215										15.5	195.0	10,900	25.8	224.4	8,500	33.0	241.4	6,100				215
220										7.7	169.7	10,100	22.0	212.9	7,900	30.1	233.2	5,600				220
225													17.5	198.7	7,300	26.9	223.8	5,100				225
230													11.3	178.6	6,700	23.3	212.9	4,600				230
235																19.1	199.8	4,100				235

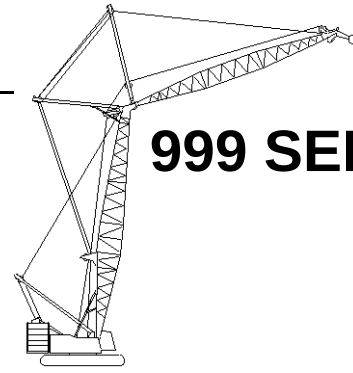


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



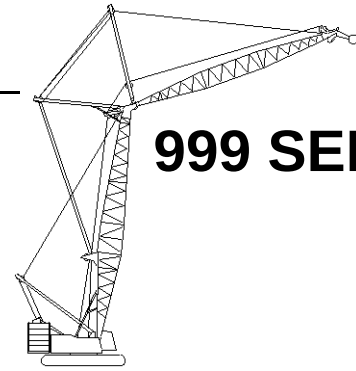
140 Ft. Boom, 200 Ft. Jib

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	45,000*	69.7	333.9	43,900*										95
100	64.3	327.7	37,000*	65.9	329.6	44,400*	68.1	332.0	43,800*										100
105	62.7	325.1	36,300*	64.3	327.3	42,700*	66.6	329.8	43,600										105
110	61.1	322.4	34,600*	62.7	324.7	41,000*	65.0	327.5	40,700	67.3	329.6	37,600							110
115	59.4	319.5	32,900*	61.0	322.0	39,300*	63.4	325.1	38,000	65.7	327.4	35,100							115
120	57.7	316.4	31,300*	59.4	319.1	37,500*	61.8	322.5	35,600	64.1	325.0	32,800							120
125	56.0	313.1	29,700*	57.7	316.0	35,800*	60.1	319.6	33,400	62.5	322.5	30,700							125
130	54.3	309.6	28,300*	56.0	312.7	34,000	58.5	316.6	31,400	60.9	319.7	28,800							130
135	52.5	305.8	26,900*	54.2	309.1	32,000	56.8	313.4	29,500	59.2	316.8	27,000							135
140	50.6	301.8	25,500*	52.4	305.4	30,200	55.0	310.0	27,800	57.5	313.7	25,400	61.5	317.9	21,400				140
145	48.7	297.5	24,300*	50.6	301.3	28,500	53.2	306.3	26,200	55.8	310.3	23,900	59.8	315.1	20,100				145
150	46.8	292.9	23,100*	48.7	297.0	26,900	51.4	302.4	24,700	54.0	306.8	22,500	58.2	312.0	18,800				150
155	44.8	288.0	22,000*	46.7	292.4	25,500	49.6	298.2	23,300	52.2	303.0	21,200	56.5	308.8	17,600				155
160	42.7	282.7	21,000*	44.7	287.5	24,100	47.6	293.8	22,000	50.4	298.9	19,900	54.7	305.3	16,500				160
165	40.5	277.0	20,000*	42.6	282.2	22,800	45.7	289.0	20,800	48.5	294.6	18,800	52.9	301.6	15,500	57.0	306.0	12,300	165
170	38.2	270.8	19,100*	40.5	276.5	21,600	43.6	283.8	19,700	46.6	289.9	17,700	51.1	297.6	14,500	55.3	302.6	11,400	170
175	35.9	264.1	18,300*	38.2	270.3	20,500	41.5	278.3	18,600	44.5	285.0	16,700	49.2	293.4	13,600	53.5	298.9	10,600	175
180	33.3	256.7	17,600*	35.8	263.6	19,400	39.2	272.4	17,600	42.4	279.6	15,800	47.3	288.9	12,800	51.7	295.1	9,800	180
185	30.6	248.6	16,900*	33.2	256.2	18,400	36.9	265.9	16,600	40.3	273.9	14,900	45.3	284.1	11,900	49.8	290.9	9,100	185
190	27.6	239.5	16,300*	30.5	248.0	17,500	34.4	258.8	15,700	38.0	267.7	14,000	43.2	278.9	11,200	47.9	286.5	8,400	190
195	24.3	229.0	15,800*	27.5	238.9	16,500	31.8	251.1	14,900	35.5	260.9	13,200	41.1	273.3	10,400	45.9	281.8	7,700	195
200	20.4	216.6	15,400*	24.2	228.4	15,700	28.9	242.4	14,100	33.0	253.4	12,400	38.8	267.2	9,800	43.9	276.7	7,100	200
205	15.7	200.9	14,800*	20.3	215.9	14,800	25.7	232.6	13,300	30.2	245.2	11,700	36.5	260.7	9,100	41.8	271.2	6,500	205
210	8.8	177.2	12,300*	15.6	200.2	14,000	22.2	221.1	12,500	27.2	235.9	11,000	34.0	253.5	8,500	39.6	265.3	6,000	210
215				8.5	176.0	12,700*	17.9	207.1	11,800	23.8	225.3	10,300	31.3	245.6	7,900	37.2	258.9	5,400	215
220							12.3	188.1	11,100	19.9	212.6	9,700	28.4	236.7	7,300	34.8	252.0	4,900	220
225										15.1	196.3	9,000	25.1	226.6	6,700	32.2	244.3	4,400	225
230										7.5	170.3	8,400	21.5	214.8	6,200	29.3	235.8	4,000	230
235													17.0	200.2	5,700				235
240													11.0	179.6	5,100				240

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

140 Ft. Boom, 210 Ft. Jib

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	75.8	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	39,800*										95
100	65.6	338.7	34,300*	67.1	340.6	40,700*	69.2	342.7	39,700*										100
105	64.1	336.3	33,900*	65.6	338.3	40,400*	67.8	340.7	39,600*										105
110	62.6	333.8	33,400*	64.1	335.9	39,200*	66.3	338.6	39,400*										110
115	61.0	331.1	31,900*	62.5	333.4	37,700*	64.8	336.2	37,500	66.9	338.3	34,500							115
120	59.4	328.2	30,400*	61.0	330.7	36,200*	63.2	333.8	35,100	65.4	336.1	32,200							120
125	57.8	325.1	29,000*	59.4	327.8	34,700*	61.7	331.1	32,900	63.9	333.7	30,200							125
130	56.2	321.8	27,600*	57.8	324.7	33,200*	60.1	328.3	30,900	62.4	331.1	28,200							130
135	54.5	318.3	26,300*	56.2	321.4	31,500	58.5	325.3	29,000	60.8	328.4	26,500							135
140	52.8	314.6	25,100*	54.5	317.9	29,700	56.9	322.1	27,300	59.3	325.5	24,900	63.0	329.3	20,900				140
145	51.1	310.6	23,900*	52.8	314.1	28,000	55.3	318.7	25,700	57.6	322.3	23,400	61.4	326.6	19,500				145
150	49.3	306.4	22,800*	51.1	310.2	26,500	53.6	315.1	24,200	56.0	319.0	22,000	59.9	323.7	18,300				150
155	47.5	301.9	21,700*	49.3	306.0	25,000	51.9	311.2	22,800	54.3	315.5	20,700	58.3	320.7	17,100				155
160	45.6	297.1	20,800*	47.4	301.5	23,600	50.1	307.1	21,500	52.6	311.8	19,400	56.6	317.5	16,000				160
165	43.6	292.0	19,800*	45.5	296.7	22,400	48.3	302.7	20,300	50.9	307.8	18,300	55.0	314.0	15,000				165
170	41.6	286.5	19,000*	43.6	291.5	21,200	46.4	298.1	19,200	49.1	303.5	17,200	53.3	310.4	14,000	57.1	314.7	10,800	170
175	39.5	280.6	18,100*	41.6	286.0	20,000	44.5	293.1	18,100	47.3	299.0	16,200	51.6	306.5	13,100	55.5	311.3	10,000	175
180	37.3	274.2	17,300*	39.4	280.1	19,000	42.5	287.8	17,100	45.4	294.2	15,300	49.8	302.3	12,200	53.8	307.7	9,200	180
185	35.0	267.2	16,600*	37.2	273.7	18,000	40.4	282.0	16,200	43.4	289.0	14,400	48.0	297.9	11,400	52.1	303.9	8,500	185
190	32.5	259.6	16,000*	34.9	266.7	17,000	38.3	275.8	15,300	41.4	283.4	13,500	46.1	293.2	10,700	50.3	299.8	7,800	190
195	29.8	251.2	15,400*	32.4	259.1	16,100	36.0	269.2	14,400	39.2	277.5	12,700	44.1	288.1	9,900	48.5	295.5	7,200	195
200	26.9	241.8	14,900*	29.7	250.7	15,200	33.6	261.9	13,600	37.0	271.0	12,000	42.1	282.7	9,200	46.7	290.8	6,600	200
205	23.7	231.1	14,500*	26.8	241.3	14,400	31.0	253.8	12,800	34.7	264.0	11,200	40.0	276.9	8,600	44.8	285.9	6,000	205
210	19.9	218.4	14,200*	23.6	230.5	13,600	28.2	244.9	12,100	32.2	256.3	10,500	37.9	270.7	8,000	42.8	280.6	5,400	210
215	15.3	202.3	12,800*	19.8	217.7	12,900	25.1	234.8	11,400	29.5	247.8	9,900	35.6	263.9	7,400	40.7	275.0	4,900	215
220	8.5	177.9	10,500*	15.2	201.5	12,200	21.6	223.0	10,700	26.5	238.3	9,200	33.1	256.5	6,800	38.6	268.8	4,400	220
225				8.3	176.7	10,900*	17.5	208.6	10,000	23.2	227.3	8,600	30.5	248.3	6,300				225
230							12.0	189.1	9,400	19.4	214.3	8,000	27.7	239.2	5,700				230
235										14.7	197.6	7,400	24.5	228.8	5,200				235
240										7.3	170.9	6,900	20.9	216.6	4,700				240
245													16.6	201.6	4,200				245

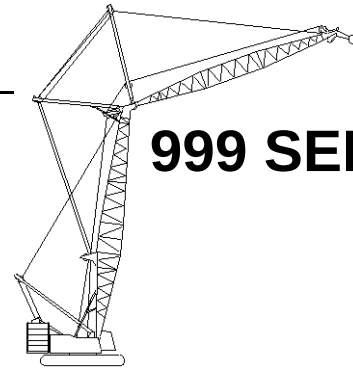


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



140 Ft. Boom, 220 Ft. Jib

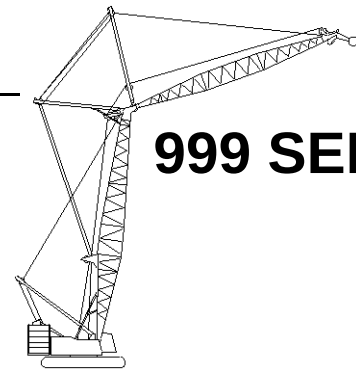
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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	75.1	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	36,700*	68.8	351.5	35,800*										105
110	63.9	345.0	31,000*	65.3	347.0	36,400*	67.4	349.5	35,600*										110
115	62.5	342.5	30,500*	63.9	344.6	36,000*	66.0	347.3	35,500*	68.0	349.2	33,800							115
120	61.0	339.7	29,400*	62.4	342.1	34,700*	64.6	344.9	34,500	66.6	347.1	31,600							120
125	59.5	336.8	28,100*	60.9	339.3	33,400*	63.1	342.4	32,300	65.2	344.8	29,500							125
130	57.9	333.8	26,900*	59.4	336.4	32,100*	61.6	339.8	30,300	63.7	342.4	27,600							130
135	56.4	330.5	25,700*	57.9	333.3	30,800*	60.1	337.0	28,400	62.3	339.8	25,800							135
140	54.8	327.0	24,500*	56.3	330.1	29,200	58.6	334.0	26,700	60.8	337.0	24,200							140
145	53.2	323.3	23,400*	54.8	326.6	27,500	57.1	330.8	25,100	59.3	334.1	22,700	62.8	337.9	18,800				145
150	51.5	319.4	22,300*	53.1	322.9	25,900	55.5	327.4	23,600	57.8	331.0	21,300	61.4	335.3	17,500				150
155	49.8	315.3	21,300*	51.5	319.0	24,400	53.9	323.8	22,200	56.2	327.7	20,000	59.9	332.4	16,400				155
160	48.1	310.9	20,400*	49.8	314.9	23,100	52.3	320.0	20,900	54.6	324.2	18,800	58.3	329.4	15,300				160
165	46.3	306.2	19,500*	48.1	310.4	21,800	50.6	316.0	19,700	53.0	320.5	17,700	56.8	326.1	14,300				165
170	44.5	301.2	18,700*	46.3	305.8	20,600	48.9	311.7	18,600	51.3	316.6	16,600	55.2	322.7	13,300				170
175	42.6	295.9	17,900*	44.4	300.8	19,500	47.1	307.1	17,500	49.6	312.4	15,600	53.6	319.1	12,400	57.3	323.3	9,300	175
180	40.6	290.2	17,100*	42.5	295.4	18,400	45.3	302.3	16,500	47.9	308.0	14,600	52.0	315.3	11,500	55.7	320.0	8,500	180
185	38.5	284.1	16,400*	40.6	289.7	17,400	43.4	297.1	15,600	46.1	303.3	13,800	50.3	311.2	10,700	54.1	316.4	7,800	185
190	36.4	277.5	15,800*	38.5	283.6	16,500	41.5	291.6	14,700	44.3	298.2	12,900	48.6	306.8	10,000	52.5	312.7	7,100	190
195	34.1	270.3	15,200*	36.3	277.0	15,600	39.4	285.6	13,800	42.3	292.9	12,100	46.8	302.2	9,300	50.8	308.6	6,500	195
200	31.7	262.5	14,600*	34.1	269.8	14,700	37.3	279.2	13,000	40.4	287.1	11,300	45.0	297.3	8,600	49.1	304.4	5,900	200
205	29.1	253.8	14,100*	31.6	261.9	13,900	35.1	272.3	12,300	38.3	280.9	10,600	43.1	292.1	7,900	47.4	299.9	5,300	205
210	26.3	244.2	13,700*	29.0	253.3	13,100	32.8	264.8	11,500	36.1	274.3	9,900	41.1	286.5	7,300	45.5	295.1	4,700	210
215	23.1	233.1	13,300*	26.2	243.6	12,400	30.2	256.5	10,800	33.8	267.0	9,300	39.1	280.5	6,700	43.7	289.9	4,200	215
220	19.5	220.1	12,400*	23.0	232.5	11,700	27.5	247.3	10,200	31.4	259.1	8,600	36.9	274.0	6,200				220
225	15.0	203.6	10,800*	19.4	219.4	11,000	24.5	236.9	9,500	28.8	250.4	8,000	34.7	267.0	5,600				225
230	8.3	178.6	8,700*	14.8	202.8	10,300	21.1	224.9	8,900	25.9	240.6	7,500	32.3	259.4	5,100				230
235				8.1	177.4	9,100*	17.1	210.1	8,300	22.7	229.3	6,900	29.8	250.9	4,600				235
240							11.7	190.1	7,700	19.0	215.9	6,400	27.0	241.6	4,100				240
245										14.3	198.8	5,800							245
250										7.1	171.5	5,300							250



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

140 Ft. Boom, 230 Ft. Jib

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	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	34,400*										105
110	65.1	356.1	28,700*	66.5	358.0	34,000*	68.4	360.3	34,300*										110
115	63.8	353.7	28,100*	65.1	355.7	32,800*	67.1	358.2	34,100*										115
120	62.4	351.1	26,900*	63.7	353.3	31,700*	65.7	356.0	34,000*	67.7	357.9	31,100							120
125	60.9	348.4	25,800*	62.3	350.7	30,500*	64.4	353.6	31,800	66.3	355.8	29,000							125
130	59.5	345.5	24,700*	60.9	348.0	29,300*	63.0	351.1	29,800	65.0	353.5	27,100							130
135	58.0	342.4	23,600*	59.5	345.1	28,200*	61.6	348.4	28,000	63.6	351.0	25,400							135
140	56.5	339.2	22,600*	58.0	342.0	27,000*	60.1	345.6	26,300	62.2	348.5	23,800							140
145	55.0	335.7	21,600*	56.5	338.8	25,900*	58.7	342.6	24,700	60.8	345.7	22,300							145
150	53.5	332.1	20,700*	55.0	335.3	24,900*	57.2	339.4	23,200	59.3	342.8	20,900	62.7	346.6	17,100				150
155	51.9	328.2	19,800*	53.5	331.7	23,800*	55.7	336.1	21,800	57.9	339.7	19,600	61.3	343.9	15,900				155
160	50.3	324.2	18,900*	51.9	327.8	22,700	54.2	332.5	20,500	56.4	336.4	18,400	59.9	341.1	14,900				160
165	48.7	319.8	18,100*	50.3	323.7	21,400	52.6	328.8	19,300	54.8	332.9	17,200	58.4	338.0	13,800				165
170	47.0	315.3	17,300*	48.6	319.4	20,200	51.0	324.8	18,200	53.3	329.3	16,200	56.9	334.8	12,900				170
175	45.2	310.4	16,600*	46.9	314.8	19,100	49.4	320.6	17,100	51.7	325.4	15,200	55.4	331.4	12,000				175
180	43.4	305.2	15,900*	45.2	309.9	18,000	47.7	316.1	16,100	50.1	321.3	14,200	53.9	327.9	11,100	57.4	332.0	8,100	180
185	41.6	299.7	15,200*	43.4	304.8	17,000	46.0	311.4	15,200	48.5	316.9	13,400	52.3	324.1	10,300	55.9	328.7	7,400	185
190	39.7	293.8	14,600*	41.5	299.2	16,100	44.2	306.3	14,300	46.8	312.3	12,500	50.7	320.0	9,600	54.4	325.2	6,700	190
195	37.7	287.5	14,100*	39.6	293.3	15,200	42.4	301.0	13,400	45.0	307.4	11,700	49.1	315.8	8,900	52.8	321.4	6,100	195
200	35.6	280.7	13,600*	37.6	287.0	14,300	40.5	295.3	12,600	43.2	302.2	11,000	47.4	311.3	8,200	51.2	317.5	5,500	200
205	33.3	273.3	13,100*	35.5	280.2	13,500	38.5	289.1	11,900	41.4	296.7	10,200	45.7	306.5	7,500	49.6	313.3	4,900	205
210	31.0	265.3	12,700*	33.3	272.8	12,800	36.5	282.5	11,200	39.4	290.7	9,600	43.9	301.4	6,900	48.0	308.9	4,300	210
215	28.4	256.4	12,300*	30.9	264.7	12,000	34.3	275.4	10,500	37.4	284.3	8,900	42.1	296.0	6,300				215
220	25.7	246.4	12,000*	28.4	255.8	11,300	32.0	267.7	9,800	35.3	277.5	8,300	40.2	290.2	5,800				220
225	22.6	235.1	11,600	25.6	245.8	10,600	29.6	259.2	9,200	33.1	270.0	7,700	38.2	284.0	5,200				225
230	19.0	221.7	10,600*	22.5	234.5	10,000	26.9	249.7	8,600	30.7	261.9	7,100	36.1	277.3	4,700				230
235	14.6	204.8	9,100*	18.9	221.0	9,400	24.0	239.1	8,000	28.1	252.9	6,600	33.9	270.1	4,200				235
240	8.1	179.3	7,200*	14.5	204.0	8,800	20.6	226.7	7,400	25.3	242.8	6,000							240
245				7.9	178.0	7,500*	16.7	211.6	6,800	22.2	231.3	5,500							245
250							11.4	191.1	6,300	18.5	217.5	5,000							250
255										14.0	200.1	4,500							255
260										6.9	172.1	4,000							260



Liftcrane Luffing Jib Capacities

999 SERIES 3

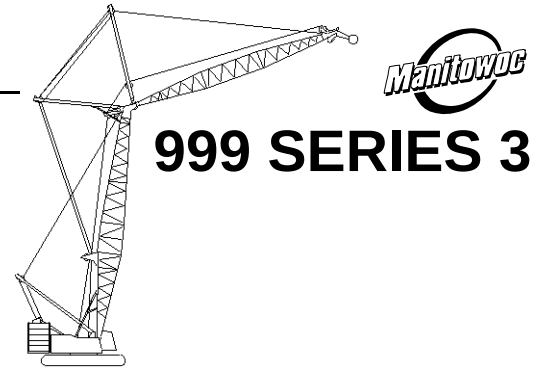
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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			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	
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	31,000*										110
115	64.9	364.8	26,200*	66.2	366.7	31,100*	68.1	369.0	30,800*										115
120	63.6	362.4	25,800*	64.9	364.4	30,100*	66.8	366.9	30,700*										120
125	62.3	359.8	24,800*	63.6	362.0	29,100*	65.5	364.7	30,500*	67.4	366.7	28,400							125
130	60.9	357.1	23,800*	62.2	359.4	28,100*	64.2	362.3	29,200	66.1	364.5	26,500							130
135	59.5	354.2	22,800*	60.9	356.7	27,000*	62.8	359.8	27,400	64.8	362.2	24,700							135
140	58.1	351.1	21,900*	59.5	353.7	26,100*	61.5	357.1	25,700	63.4	359.7	23,100							140
145	56.7	347.9	21,000*	58.1	350.7	25,100*	60.1	354.3	24,100	62.1	357.1	21,600							145
150	55.2	344.4	20,100*	56.7	347.4	24,100*	58.7	351.3	22,600	60.7	354.4	20,200							150
155	53.8	340.8	19,200*	55.2	344.0	23,100*	57.3	348.1	21,200	59.3	351.4	19,000	62.6	355.3	15,200				155
160	52.3	337.0	18,400*	53.7	340.4	22,100	55.9	344.8	19,900	57.9	348.4	17,700	61.2	352.6	14,200				160
165	50.7	333.0	17,700*	52.2	336.6	20,900	54.4	341.3	18,700	56.5	345.1	16,600	59.9	349.7	13,100				165
170	49.2	328.8	16,900*	50.7	332.6	19,700	52.9	337.5	17,600	55.1	341.7	15,600	58.5	346.7	12,200				170
175	47.6	324.3	16,200*	49.1	328.3	18,500	51.4	333.6	16,500	53.6	338.0	14,600	57.1	343.5	11,300				175
180	45.9	319.5	15,500*	47.5	323.8	17,500	49.9	329.5	15,500	52.1	334.2	13,600	55.6	340.1	10,400				180
185	44.2	314.5	14,900*	45.9	319.1	16,500	48.3	325.1	14,600	50.6	330.2	12,700	54.2	336.6	9,700	57.5	340.7	6,600	185
190	42.5	309.1	14,300*	44.2	314.0	15,500	46.6	320.5	13,700	49.0	325.9	11,900	52.7	332.8	8,900	56.1	337.4	6,000	190
195	40.7	303.4	13,800*	42.4	308.7	14,700	45.0	315.5	12,900	47.4	321.4	11,100	51.1	328.9	8,200	54.6	333.9	5,300	195
200	38.8	297.3	13,300*	40.6	302.9	13,800	43.2	310.3	12,100	45.7	316.6	10,400	49.6	324.7	7,500	53.1	330.2	4,700	200
205	36.8	290.8	12,800*	38.7	296.9	13,000	41.5	304.8	11,300	44.0	311.5	9,600	48.0	320.3	6,900	51.6	326.3	4,200	205
210	34.8	283.8	12,400*	36.8	290.3	12,200	39.6	298.9	10,600	42.3	306.1	9,000	46.4	315.6	6,300				210
215	32.6	276.2	12,000*	34.7	283.3	11,500	37.7	292.6	9,900	40.4	300.4	8,300	44.7	310.6	5,700				215
220	30.3	268.0	11,600*	32.6	275.7	10,800	35.7	285.8	9,200	38.6	294.2	7,700	42.9	305.3	5,100				220
225	27.8	258.8	11,100	30.2	267.4	10,100	33.6	278.4	8,600	36.6	287.7	7,100	41.1	299.7	4,600				225
230	25.1	248.7	10,500	27.8	258.3	9,500	31.3	270.5	8,000	34.5	280.6	6,500	39.3	293.7	4,100				230
235	22.1	237.1	9,800	25.0	248.1	8,900	28.9	261.7	7,400	32.3	272.9	6,000							235
240	18.6	223.3	8,800*	22.0	236.4	8,300	26.3	252.1	6,900	30.0	264.5	5,500							240
245	14.3	206.1	7,400*	18.5	222.6	7,700	23.4	241.1	6,300	27.5	255.3	5,000							245
250	8.0	180.0	5,600*	14.2	205.3	7,100	20.2	228.4	5,800	24.8	245.0	4,500							250
255				7.7	178.7	6,000*	16.3	213.0	5,300	21.7	233.2	4,000							255
260							11.2	192.1	4,800										260



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	118,300*b													55
60	48.3	209.4	95,500*	53.9	213.4	101,400*	61.5	217.7	110,800*b													60
65	42.5	204.3	87,600*	48.6	209.3	95,500*	56.7	214.6	102,100b	64.1	217.9	98,200b										65
70	35.8	197.9	80,500*	42.7	204.2	90,200*	51.6	210.8	93,000	59.4	215.1	89,400b										70
75	27.8	189.5	75,000*	36.1	197.9	85,500*	46.1	206.3	85,300	54.5	211.7	82,000b										75
80	16.4	176.5	68,700*	28.2	189.6	79,400*	40.0	200.7	78,600	49.2	207.6	75,600	62.0	213.7	70,600b							80
85				17.1	177.0	71,800*	32.9	193.7	72,800	43.4	202.7	70,000	57.2	210.6	65,400b							85
90							24.0	184.0	67,700	36.9	196.5	65,100	52.1	206.9	60,800							90
95							8.1	165.3	63,000*	29.2	188.5	60,800	46.6	202.5	56,800							95
100										18.7	176.6	56,900	40.6	197.0	53,200	54.6	204.7	49,400				100
105													33.6	190.1	49,900	49.3	200.6	46,400				105
110													25.0	180.8	47,000	43.6	195.7	43,700				110
115													10.8	164.3	44,200	37.1	189.6	41,200	51.5	197.1	38,100	115
120																29.5	181.6	38,900	46.0	192.6	36,000	120
125																19.1	170.0	36,800	39.9	187.0	34,100	125
130																			32.8	179.9	32,300	130
135																			23.8	170.2	30,600	135
140																			7.5	151.0	29,000	140

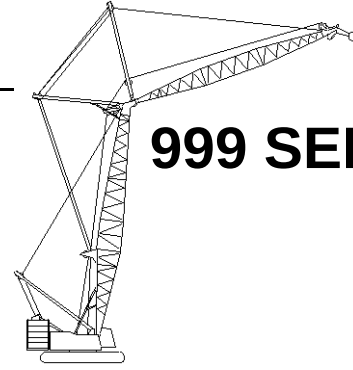


Liftcrane Luffing Jib Capacities

999 SERIES 3

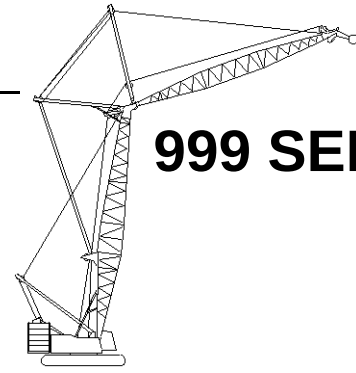
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
45	66.9	231.1	107,100*b	67.1	230.8	111,700*b																45
50	63.0	228.7	103,200*b	63.1	228.4	104,700*b	69.3	231.1	114,400*b													50
55	58.8	225.8	98,400*	59.0	225.5	98,500*	65.4	229.0	107,600*b													55
60	54.5	222.4	92,600*	54.7	222.2	92,800*	61.4	226.3	101,200*b	67.6	228.9	97,600b										60
65	49.9	218.3	84,600*																			65
70	45.0	213.6	77,100*	50.1	218.2	87,700*	57.1	223.3	92,500	63.6	226.6	88,900b										70
75	39.5	207.9	70,900*	45.2	213.5	83,100*	52.7	219.6	84,800	59.5	223.7	81,500										75
80	33.4	200.9	65,700*	39.8	207.8	78,400*	48.0	215.4	78,200	55.2	220.4	75,100										80
85	25.9	191.8	61,700*	33.7	200.9	72,400*	42.9	210.3	72,500	50.6	216.5	69,600	61.7	222.3	64,800b							85
90	15.3	177.8	59,500*	26.3	191.9	67,600*	37.2	204.1	67,400	45.8	211.9	64,700	57.6	219.3	60,200							90
95				15.9	178.3	62,300*	30.6	196.4	62,900	40.4	206.4	60,400	53.2	215.7	56,200							95
100							22.3	186.0	58,900	34.4	199.6	56,600	48.5	211.5	52,700							100
105							7.5	165.9	55,200	27.2	190.9	53,100	43.4	206.5	49,500	55.3	213.4	45,800				105
110										17.4	178.1	50,000	37.8	200.5	46,600	50.8	209.5	43,100				110
115													31.3	193.0	43,900	45.9	204.9	40,700				115
120													23.3	182.9	41,500	40.6	199.4	38,400	52.6	206.0	35,400	120
125													10.0	165.1	39,200	34.6	192.7	36,400	47.9	201.7	33,500	125
130																27.5	184.1	34,500	42.8	196.6	31,700	130
135																17.8	171.5	32,700	37.1	190.4	30,100	135
140																			30.5	182.7	28,600	140
145																			22.2	172.2	27,200	145
150																			7.0	151.5	25,700	150



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	104,600*b													60
65	55.1	231.1	81,800*	59.1	234.2	90,600*	64.8	237.6	98,700*b													65
70	51.1	227.2	75,000*	55.3	230.9	85,700*	61.2	235.0	92,300	66.7	237.7	88,500*b										70
75	46.8	222.7	68,700*	51.3	227.1	81,200*	57.5	231.9	84,600	63.2	235.2	81,100										75
80	42.2	217.5	63,300*	47.0	222.6	76,800*	53.6	228.4	78,000	59.5	232.4	74,800										80
85	37.1	211.3	58,600*	42.4	217.4	70,700*	49.5	224.3	72,200	55.7	229.1	69,300										85
90	31.4	203.7	54,800*	37.4	211.3	65,100*	45.1	219.6	67,200	51.7	225.4	64,400	61.6	231.0	59,900							90
95	24.4	193.9	51,800*	31.7	203.8	60,500*	40.3	214.0	62,700	47.5	221.0	60,200	57.8	228.0	55,900							95
100	14.3	179.0	50,200*	24.7	194.1	56,800*	35.0	207.3	58,800	43.0	215.9	56,400	54.0	224.5	52,300							100
105				14.9	179.6	53,800*	28.8	199.0	55,200	38.0	209.8	52,900	49.9	220.4	49,100							105
110							21.0	187.8	52,000	32.3	202.5	49,900	45.5	215.7	46,300	55.9	222.1	42,700				110
115							7.0	166.4	48,900	25.6	193.2	47,000	40.8	210.3	43,700	51.9	218.3	40,300				115
120										16.3	179.5	44,400	35.5	203.7	41,300	47.7	214.0	38,100				120
125													29.5	195.6	39,100	43.1	208.9	36,100				125
130													21.9	184.8	37,100	38.1	202.9	34,200	49.4	210.6	31,300	130
135													9.4	165.9	35,100	32.5	195.6	32,500	45.0	205.9	29,800	135
140																25.8	186.4	30,900	40.2	200.3	28,300	140
145																16.7	172.9	29,300	34.9	193.6	26,900	145
150																			28.7	185.2	25,600	150
155																			20.8	174.0	24,400	155
160																			6.5	152.0	23,100	160

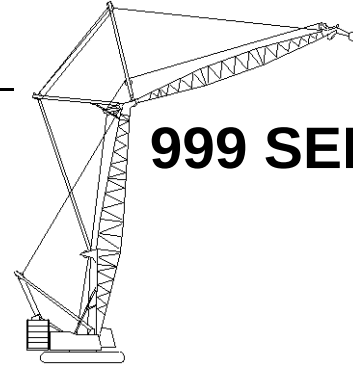


Liftcrane Luffing Jib Capacities

999 SERIES 3

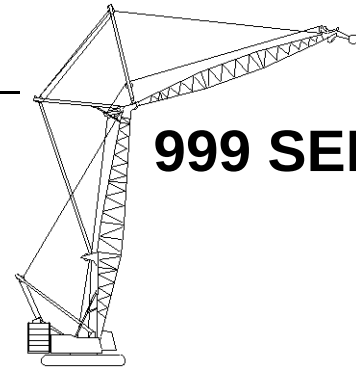
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	101,100*b													60
65	59.1	243.1	78,900*	62.5	245.8	88,000*	67.5	248.6	95,700*													65
70	55.6	239.8	72,600*	59.2	242.9	83,300*	64.3	246.3	90,600*													70
75	52.0	236.0	67,000*	55.8	239.6	79,000*	61.1	243.7	84,100	66.1	246.4	80,600										75
80	48.3	231.8	61,700*	52.2	235.9	74,800*	57.7	240.6	77,500	62.9	243.9	74,200										80
85	44.3	226.9	56,900*	48.5	231.6	69,000*	54.2	237.2	71,800	59.6	241.1	68,700										85
90	39.9	221.2	52,800*	44.4	226.7	63,900*	50.6	233.2	66,800	56.2	237.8	63,900										90
95	35.1	214.5	49,200*	40.1	221.1	58,900*	46.7	228.7	62,300	52.6	234.2	59,700	61.4	239.6	55,300							95
100	29.7	206.4	46,300*	35.4	214.5	54,800*	42.6	223.5	58,400	48.9	230.0	55,900	58.1	236.6	51,700							100
105	23.1	196.0	44,000*	29.9	206.4	51,200*	38.1	217.5	54,800	44.9	225.2	52,500	54.6	233.2	48,600							105
110	13.6	180.2	42,900*	23.4	196.2	48,400*	33.1	210.3	51,600	40.6	219.6	49,400	50.9	229.3	45,700							110
115				14.1	180.8	46,600*	27.3	201.4	48,700	35.9	213.1	46,600	47.1	224.8	43,100	56.3	230.8	39,700				115
120							19.9	189.5	46,100	30.6	205.3	44,100	43.0	219.7	40,800	52.7	227.1	37,500				120
125							6.6	167.0	43,100*	24.2	195.3	41,800	38.6	213.8	38,600	49.0	223.0	35,500				125
130										15.4	180.9	39,600	33.6	206.7	36,600	45.0	218.2	33,600				130
135													27.9	198.1	34,800	40.8	212.7	31,900	50.5	219.5	29,100	135
140													20.7	186.6	33,000	36.1	206.2	30,300	46.7	215.0	27,700	140
145													8.9	166.6	31,400	30.8	198.4	28,900	42.5	209.8	26,300	145
150																24.4	188.5	27,500	38.0	203.7	25,000	150
155																15.8	174.3	26,200	33.0	196.5	23,800	155
160																			27.2	187.6	22,700	160
165																			19.7	175.7	21,700	165
170																			6.1	152.5	20,600	170



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	90,400*																60
65	62.2	254.6	75,200*	65.2	257.0	85,600*	69.6	259.4	90,600													65
70	59.1	251.8	70,400*	62.3	254.4	81,200*	66.8	257.4	82,100													70
75	56.0	248.5	65,000*	59.3	251.5	77,100*	63.9	255.0	75,000													75
80	52.8	244.8	60,200*	56.2	248.3	73,000*	61.0	252.3	68,800	65.5	255.1	64,600										80
85	49.4	240.7	55,800*	53.0	244.7	67,500	57.9	249.3	63,500	62.6	252.6	59,500										85
90	45.9	236.0	51,600*	49.6	240.5	62,600*	54.8	245.9	58,800	59.6	249.7	55,100										90
95	42.1	230.7	47,900*	46.0	235.9	58,100*	51.5	242.0	54,700	56.5	246.5	51,200										95
100	38.0	224.6	44,700*	42.3	230.6	54,000*	48.1	237.7	51,000	53.3	242.9	47,700	61.3	248.3	42,200							100
105	33.4	217.5	42,000*	38.2	224.6	50,100*	44.4	232.8	47,700	50.0	238.9	44,600	58.2	245.3	39,400							105
110	28.2	208.9	39,700*	33.6	217.5	46,800*	40.5	227.2	44,800	46.4	234.3	41,800	55.1	241.9	36,900							110
115	21.9	197.9	38,000*	28.5	209.0	44,000*	36.2	220.7	42,100	42.7	229.1	39,200	51.8	238.1	34,600							115
120	12.9	181.3	37,100*	22.3	198.1	41,800*	31.5	213.1	39,600	38.6	223.1	36,900	48.4	233.9	32,500	56.6	239.5	28,100				120
125				13.4	181.9	39,800	25.9	203.7	37,300	34.2	216.2	34,800	44.8	229.0	30,600	53.4	235.9	26,400				125
130							18.9	191.2	35,200	29.1	207.9	32,800	40.9	223.5	28,800	50.1	231.9	24,800				130
135							6.3	167.5	33,100	23.0	197.3	31,000	36.7	217.1	27,100	46.6	227.3	23,300				135
140										14.7	182.1	29,200	32.0	209.6	25,600	42.8	222.1	22,000	51.4	228.4	18,400	140
145													26.5	200.4	24,200	38.8	216.2	20,700	48.0	224.0	17,300	145
150													19.7	188.3	22,800	34.3	209.3	19,500	44.3	219.1	16,200	150
155													8.4	167.3	21,500	29.3	201.0	18,400	40.4	213.5	15,300	155
160																23.2	190.6	17,300	36.2	207.0	14,300	160
165																15.0	175.6	16,300	31.4	199.3	13,500	165
170																			25.8	189.9	12,600	170
175																			18.8	177.3	11,800	175
180																			5.8	153.0	10,900	180

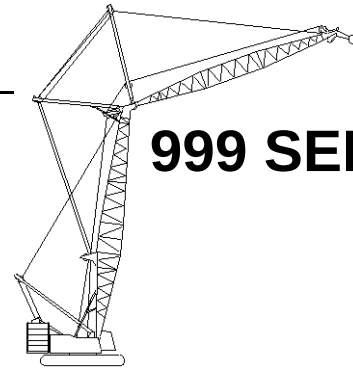


Liftcrane Luffing Jib Capacities

999 SERIES 3

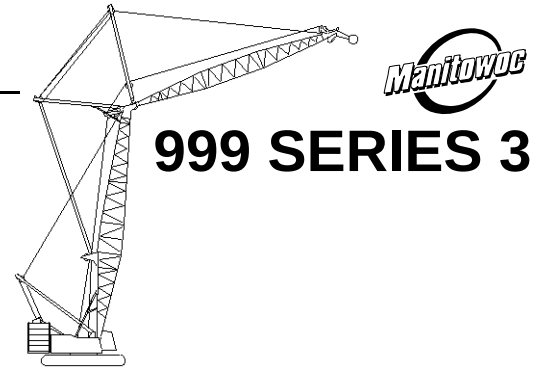
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	83,000*																65
70	62.0	263.3	68,000*	64.8	265.6	78,800*	68.9	268.2	81,400													70
75	59.2	260.4	63,100*	62.1	263.1	75,000*	66.3	266.1	74,300													75
80	56.4	257.2	58,500*	59.3	260.2	70,900*	63.6	263.7	68,200	67.7	266.0	63,800										80
85	53.4	253.6	54,300*	56.5	257.0	66,000*	60.9	261.0	62,800	65.1	263.8	58,800										85
90	50.4	249.6	50,600*	53.6	253.4	61,400*	58.1	258.0	58,200	62.4	261.2	54,400										90
95	47.2	245.1	47,100*	50.5	249.4	57,000*	55.2	254.6	54,100	59.7	258.4	50,500										95
100	43.8	240.1	43,700*	47.3	245.0	53,000*	52.3	250.9	50,400	56.8	255.2	47,000										100
105	40.2	234.4	40,900*	43.9	240.0	49,500*	49.1	246.7	47,100	53.9	251.7	43,900	61.2	257.0	38,600							105
110	36.3	227.9	38,400*	40.3	234.3	46,200*	45.9	242.0	44,200	50.9	247.7	41,100	58.4	254.0	36,100							110
115	31.9	220.4	36,200*	36.5	227.9	43,000*	42.4	236.7	41,500	47.7	243.4	38,600	55.5	250.6	33,800							115
120	27.0	211.3	34,400*	32.1	220.4	40,400*	38.7	230.7	39,000	44.3	238.4	36,300	52.5	246.9	31,700							120
125	21.0	199.7	33,100*	27.2	211.4	38,200*	34.6	223.9	36,800	40.8	232.9	34,200	49.4	242.8	29,800	56.9	248.2	25,500				125
130	12.3	182.3	32,500*	21.3	200.0	36,500*	30.1	215.8	34,700	36.9	226.5	32,200	46.2	238.2	28,100	54.0	244.7	24,000				130
135				12.8	183.0	35,100	24.8	205.9	32,800	32.6	219.1	30,400	42.7	233.0	26,400	51.0	240.7	22,500				135
140							18.1	192.7	31,000	27.8	210.3	28,700	39.1	227.1	24,900	47.8	236.3	21,200				140
145							6.0	167.9	29,200	22.0	199.3	27,200	35.0	220.3	23,600	44.4	231.4	19,900	52.2	237.2	16,400	145
150										14.0	183.3	25,700	30.5	212.3	22,200	40.9	225.9	18,800	49.1	233.0	15,400	150
155													25.3	202.7	21,000	37.0	219.6	17,700	45.8	228.3	14,400	155
160													18.8	189.9	19,800	32.8	212.2	16,700	42.3	223.0	13,500	160
165													8.0	167.9	18,700	28.0	203.5	15,700	38.6	217.0	12,700	165
170																22.2	192.5	14,800	34.6	210.1	11,900	170
175																14.3	176.8	13,900	30.0	202.0	11,100	175
180																			24.7	192.1	10,400	180
185																			17.9	178.9	9,700	185
190																			5.5	153.4	8,900	190



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	80,500*																65
70	64.3	274.6	63,800*	66.9	276.7	76,700*	70.6	278.9	80,900													70
75	61.8	272.0	61,500*	64.4	274.3	73,100*	68.2	277.0	73,800													75
80	59.3	269.1	57,300*	61.9	271.7	69,000*	65.8	274.8	67,700													80
85	56.7	265.9	53,400*	59.4	268.9	64,600*	63.3	272.4	62,400	67.1	274.8	58,200										85
90	54.0	262.4	49,700*	56.8	265.7	60,400*	60.8	269.6	57,700	64.7	272.5	53,800										90
95	51.2	258.4	46,500*	54.1	262.2	56,400*	58.3	266.6	53,600	62.2	269.9	50,000										95
100	48.3	254.1	43,400*	51.3	258.3	52,600*	55.6	263.3	50,000	59.7	267.1	46,500										100
105	45.2	249.3	40,500*	48.4	254.0	49,000*	52.9	259.6	46,700	57.1	263.9	43,400										105
110	42.0	244.0	37,900*	45.3	249.2	45,900*	50.0	255.6	43,700	54.4	260.4	40,600	61.1	265.6	35,500							110
115	38.5	237.9	35,600*	42.1	243.9	42,900*	47.1	251.1	41,100	51.6	256.6	38,100	58.5	262.6	33,300							115
120	34.8	231.1	33,600*	38.7	237.9	40,200*	44.0	246.1	38,600	48.7	252.3	35,800	55.9	259.3	31,200							120
125	30.6	223.1	31,800*	35.0	231.0	37,700*	40.6	240.5	36,400	45.7	247.6	33,700	53.1	255.7	29,300							125
130	25.9	213.6	30,400*	30.8	223.1	35,600*	37.1	234.1	34,300	42.5	242.3	31,800	50.3	251.7	27,600	57.2	256.9	23,400				130
135	20.1	201.5	29,300*	26.1	213.7	33,800*	33.2	226.9	32,400	39.1	236.4	30,000	47.4	247.2	25,900	54.5	253.4	22,000				135
140	11.8	183.3	28,900*	20.4	201.7	32,400*	28.9	218.4	30,700	35.4	229.7	28,300	44.3	242.3	24,500	51.7	249.6	20,600				140
145				12.3	184.1	31,200	23.8	208.0	29,000	31.3	221.9	26,800	41.0	236.7	23,100	48.8	245.3	19,400				145
150							17.3	194.2	27,500	26.7	212.7	25,400	37.4	230.5	21,800	45.8	240.6	18,300	52.8	246.0	14,800	150
155							5.7	168.4	25,900	21.1	201.1	24,000	33.6	223.3	20,600	42.6	235.4	17,200	50.0	241.9	13,900	155
160										13.4	184.5	22,700	29.3	214.9	19,500	39.2	229.5	16,200	47.0	237.4	13,000	160
165													24.3	204.8	18,400	35.5	222.8	15,200	43.9	232.4	12,200	165
170													18.0	191.5	17,300	31.4	215.1	14,300	40.6	226.7	11,400	170
175													7.7	168.6	16,300	26.8	205.9	13,500	37.0	220.4	10,600	175
180																21.3	194.4	12,700	33.1	213.1	9,900	180
185																13.7	178.0	11,900	28.8	204.6	9,200	185
190																			23.7	194.2	8,600	190
195																			17.2	180.4	7,900	195
200																			5.3	153.8	7,300	200



Liftcrane Luffing Jib Capacities

999 SERIES 3

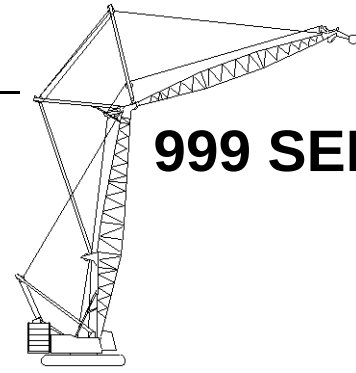
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	73,800*																70
75	64.0	283.3	58,800*	66.4	285.4	70,100*	69.8	287.7	73,100													75
80	61.7	280.6	55,500*	64.1	283.0	66,300*	67.6	285.7	67,000													80
85	59.3	277.7	51,900*	61.8	280.4	62,500*	65.4	283.5	61,700													85
90	56.9	274.6	48,500*	59.4	277.5	58,700*	63.1	281.0	57,000	66.6	283.5	53,100										90
95	54.4	271.1	45,400*	57.0	274.4	55,000*	60.8	278.3	52,900	64.4	281.1	49,200										95
100	51.8	267.3	42,500*	54.5	270.9	51,600*	58.4	275.3	49,300	62.1	278.6	45,800										100
105	49.2	263.1	39,800*	52.0	267.1	48,300*	55.9	272.0	46,000	59.7	275.7	42,700										105
110	46.4	258.4	37,300*	49.3	262.9	45,200*	53.4	268.4	43,100	57.3	272.6	39,900										110
115	43.5	253.3	35,000*	46.5	258.3	42,300*	50.8	264.4	40,400	54.8	269.2	37,400	61.0	274.3	32,500							115
120	40.4	247.7	32,900*	43.6	253.2	39,800*	48.1	260.1	38,000	52.2	265.4	35,100	58.6	271.3	30,400							120
125	37.0	241.3	31,000*	40.5	247.6	37,300*	45.2	255.3	35,800	49.6	261.2	33,000	56.2	268.0	28,500							125
130	33.5	234.1	29,400*	37.2	241.2	35,100*	42.3	249.9	33,800	46.8	256.7	31,100	53.7	264.5	26,800							130
135	29.5	225.7	28,000*	33.6	234.1	33,100*	39.1	244.0	31,900	43.9	251.7	29,400	51.1	260.5	25,200	57.4	265.5	21,100				135
140	24.9	215.8	26,900*	29.7	225.8	31,400*	35.7	237.3	30,100	40.9	246.1	27,700	48.4	256.2	23,700	54.9	262.1	19,800				140
145	19.4	203.2	26,000*	25.1	215.9	29,900*	31.9	229.7	28,500	37.6	239.8	26,200	45.5	251.5	22,400	52.3	258.4	18,600				145
150	11.3	184.3	25,700*	19.6	203.5	28,800*	27.8	220.8	27,000	34.0	232.8	24,800	42.6	246.2	21,100	49.7	254.2	17,500				150
155				11.8	185.1	27,600	22.9	210.0	25,600	30.1	224.6	23,400	39.4	240.3	19,900	46.9	249.7	16,400				155
160							16.7	195.7	24,200	25.7	215.0	22,200	36.0	233.7	18,800	44.0	244.7	15,400	50.8	250.8	12,100	160
165							5.5	168.8	22,900	20.3	202.9	21,000	32.3	226.2	17,700	41.0	239.1	14,500	48.0	246.4	11,300	165
170										12.9	185.6	19,800	28.2	217.5	16,700	37.7	232.9	13,600	45.2	241.6	10,600	170
175													23.4	206.9	15,800	34.2	225.9	12,800	42.2	236.2	9,800	175
180													17.4	193.0	14,900	30.3	217.8	12,000	39.0	230.3	9,100	180
185													7.4	169.2	14,000	25.8	208.2	11,200	35.6	223.6	8,500	185
190																20.5	196.2	10,500	31.9	216.0	7,900	190
195																13.2	179.1	9,800	27.7	207.1	7,300	195
200																			22.8	196.2	6,700	200
205																			16.5	181.8	6,100	205
210																			5.1	154.2	5,500	210



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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			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	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	66,700*																75
80	63.7	291.9	53,200*	66.0	294.1	63,500*	69.2	296.5	66,700													80
85	61.6	289.3	50,400*	63.8	291.7	60,200*	67.1	294.5	61,400													85
90	59.4	286.4	47,300*	61.7	289.1	56,900*	65.0	292.2	56,800													90
95	57.1	283.3	44,300*	59.5	286.2	53,600*	62.9	289.7	52,700	66.2	292.2	49,000										95
100	54.8	279.8	41,600*	57.2	283.0	50,400*	60.7	287.0	49,100	64.1	289.8	45,500										100
105	52.4	276.1	39,000*	54.9	279.6	47,400*	58.5	284.0	45,800	61.9	287.2	42,500										105
110	49.9	272.0	36,700*	52.5	275.9	44,500*	56.2	280.7	42,900	59.7	284.4	39,700										110
115	47.4	267.5	34,500*	50.1	271.8	41,800*	53.9	277.2	40,200	57.5	281.3	37,200										115
120	44.7	262.6	32,500*	47.5	267.3	39,200*	51.5	273.3	37,800	55.2	277.9	34,900	60.9	282.9	30,200							120
125	41.9	257.2	30,600*	44.8	262.5	36,900*	48.9	269.0	35,600	52.8	274.2	32,800	58.7	280.0	28,300							125
130	38.9	251.2	28,900*	42.0	257.1	34,800*	46.3	264.4	33,600	50.3	270.1	30,900	56.4	276.7	26,600							130
135	35.7	244.5	27,400*	39.1	251.1	32,800*	43.6	259.3	31,700	47.8	265.7	29,100	54.1	273.2	25,000							135
140	32.3	237.0	26,000*	35.9	244.5	30,900*	40.7	253.7	29,900	45.1	260.9	27,500	51.7	269.4	23,500	57.5	274.2	19,600				140
145	28.4	228.3	24,900*	32.4	237.0	29,300*	37.7	247.5	28,300	42.3	255.6	26,000	49.2	265.2	22,100	55.2	270.8	18,400				145
150	24.0	217.9	24,000*	28.6	228.3	27,900*	34.4	240.5	26,800	39.4	249.7	24,600	46.6	260.6	20,900	52.9	267.1	17,200				150
155	18.7	204.8	23,300*	24.3	218.1	26,700*	30.8	232.5	25,400	36.2	243.1	23,300	43.9	255.5	19,700	50.4	263.1	16,200				155
160	10.9	185.2	23,100*	18.9	205.1	25,800*	26.8	223.2	24,100	32.8	235.7	22,000	41.0	250.0	18,600	47.9	258.7	15,200				160
165				11.4	186.0	24,800	22.1	211.9	22,900	29.1	227.2	20,900	38.0	243.8	17,500	45.2	253.9	14,300	51.4	259.6	11,100	165
170							16.1	197.1	21,700	24.8	217.2	19,800	34.7	236.9	16,600	42.4	248.6	13,400	48.9	255.3	10,300	170
175							5.3	169.2	20,500	19.6	204.6	18,700	31.2	229.0	15,600	39.5	242.7	12,600	46.3	250.7	9,600	175
180										12.5	186.6	17,700	27.2	219.9	14,800	36.3	236.2	11,800	43.6	245.6	8,900	180
185													22.6	208.8	13,900	32.9	228.8	11,100	40.7	240.0	8,300	185
190													16.8	194.5	13,100	29.2	220.4	10,400	37.6	233.7	7,700	190
195													7.1	169.8	12,300	24.9	210.4	9,700	34.4	226.7	7,100	195
200																19.8	197.9	9,000	30.8	218.7	6,500	200
205																12.8	180.2	8,400	26.7	209.4	6,000	205
210																			22.0	198.1	5,400	210
215																			16.0	183.2	4,900	215
220																			4.9	154.6	4,400	220



Liftcrane Luffing Jib Capacities

999 SERIES 3

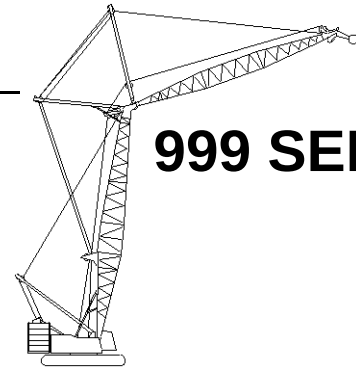
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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			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	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	60,400*	70.6	307.2	62,100*													80
85	63.5	300.6	48,600*	65.6	302.8	57,600*	68.6	305.3	60,800													85
90	61.5	298.0	45,800*	63.6	300.4	54,700*	66.7	303.2	56,100													90
95	59.4	295.1	43,200*	61.6	297.7	51,900*	64.7	300.9	52,100	67.8	303.1	48,200										95
100	57.3	291.9	40,600*	59.5	294.9	49,100*	62.7	298.4	48,400	65.8	300.9	44,800										100
105	55.1	288.5	38,200*	57.4	291.7	46,300*	60.7	295.6	45,200	63.8	298.5	41,800										105
110	52.9	284.8	36,000*	55.2	288.3	43,600*	58.6	292.6	42,200	61.8	295.9	39,000										110
115	50.6	280.8	33,900*	53.0	284.7	41,100*	56.5	289.4	39,600	59.7	293.0	36,500										115
120	48.2	276.5	32,000*	50.7	280.7	38,700*	54.3	285.9	37,200	57.6	289.9	34,200	62.9	294.3	29,400							120
125	45.8	271.7	30,200*	48.4	276.3	36,500*	52.0	282.1	35,000	55.5	286.6	32,200	60.9	291.6	27,500							125
130	43.2	266.6	28,500*	45.9	271.6	34,400*	49.7	277.9	32,900	53.3	282.9	30,200	58.8	288.6	25,800							130
135	40.5	260.9	26,900*	43.3	266.5	32,500*	47.3	273.4	31,100	51.0	279.0	28,500	56.7	285.4	24,200							135
140	37.6	254.6	25,500*	40.6	260.8	30,700*	44.8	268.5	29,400	48.6	274.7	26,900	54.5	281.9	22,800							140
145	34.5	247.7	24,300*	37.8	254.6	29,100*	42.2	263.2	27,800	46.2	270.0	25,400	52.2	278.2	21,400	57.7	282.9	17,500				145
150	31.2	239.8	23,200*	34.7	247.6	27,500*	39.4	257.3	26,300	43.6	264.9	24,000	49.9	274.1	20,200	55.5	279.5	16,400				150
155	27.5	230.7	22,200*	31.4	239.8	26,200*	36.4	250.8	24,900	40.9	259.3	22,700	47.5	269.6	19,000	53.3	275.9	15,400				155
160	23.3	220.0	21,500*	27.7	230.8	25,000*	33.3	243.4	23,600	38.1	253.2	21,400	45.0	264.7	17,900	51.1	272.0	14,400				160
165	18.1	206.4	20,900*	23.5	220.1	24,000*	29.8	235.2	22,300	35.0	246.3	20,300	42.4	259.4	16,900	48.7	267.7	13,500				165
170	10.6	186.1	20,800*	18.3	206.7	23,200*	25.9	225.5	21,200	31.7	238.6	19,200	39.7	253.6	15,900	46.2	263.0	12,600	52.0	268.4	9,500	170
175				11.0	187.0	21,900	21.4	213.8	20,100	28.1	229.7	18,200	36.7	247.1	15,000	43.7	257.9	11,800	49.7	264.3	8,800	175
180							15.6	198.4	19,000	24.0	219.3	17,200	33.6	239.9	14,100	41.0	252.4	11,100	47.2	259.8	8,100	180
185							5.1	169.6	17,900	19.0	206.3	16,300	30.1	231.7	13,300	38.2	246.2	10,400	44.7	254.8	7,500	185
190										12.1	187.7	15,300	26.3	222.2	12,500	35.1	239.4	9,700	42.1	249.5	6,900	190
195													21.8	210.8	11,800	31.9	231.7	9,000	39.3	243.6	6,300	195
200													16.2	195.9	11,000	28.2	222.9	8,400	36.4	237.0	5,800	200
205													6.9	170.3	10,300	24.1	212.5	7,800	33.2	229.7	5,200	205
210																19.1	199.6	7,200	29.7	221.4	4,700	210
215																12.3	181.3	6,600	25.8	211.7	4,300	215



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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			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	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	55,200*	70.0	316.0	56,300*													85
90	63.3	309.3	44,500*	65.3	311.5	52,800*	68.1	314.1	55,600													90
95	61.4	306.6	42,200*	63.4	309.0	50,300*	66.3	311.9	51,500													95
100	59.5	303.7	39,900*	61.5	306.4	47,900*	64.4	309.6	47,900	67.3	311.8	44,300										100
105	57.5	300.6	37,700*	59.5	303.5	45,400*	62.6	307.0	44,700	65.5	309.6	41,200										105
110	55.4	297.2	35,600*	57.6	300.4	43,000*	60.6	304.3	41,700	63.6	307.2	38,500										110
115	53.3	293.6	33,600*	55.5	297.0	40,700*	58.7	301.3	39,100	61.7	304.5	36,000										115
120	51.2	289.7	31,700*	53.4	293.4	38,400*	56.7	298.1	36,700	59.8	301.7	33,700										120
125	49.0	285.4	30,000*	51.3	289.5	36,300*	54.6	294.6	34,500	57.8	298.6	31,600	62.7	303.0	26,900							125
130	46.7	280.8	28,400*	49.1	285.3	34,300*	52.5	290.9	32,500	55.8	295.3	29,700	60.8	300.3	25,200							130
135	44.3	275.8	26,800*	46.8	280.7	32,400*	50.3	286.8	30,600	53.7	291.7	28,000	58.9	297.3	23,700							135
140	41.8	270.4	25,500*	44.4	275.7	30,700*	48.1	282.4	28,900	51.5	287.8	26,400	56.9	294.1	22,200							140
145	39.2	264.5	24,100*	42.0	270.3	29,100*	45.8	277.7	27,300	49.3	283.6	24,900	54.8	290.7	20,900							145
150	36.4	257.9	22,900*	39.3	264.4	27,600*	43.4	272.5	25,800	47.1	279.1	23,500	52.7	286.9	19,600	57.8	291.6	15,900				150
155	33.5	250.7	21,900*	36.6	257.9	26,200*	40.8	266.9	24,400	44.7	274.1	22,200	50.6	282.9	18,500	55.8	288.2	14,800				155
160	30.2	242.5	21,000*	33.6	250.7	24,800*	38.1	260.8	23,100	42.2	268.8	21,000	48.3	278.6	17,400	53.7	284.7	13,900				160
165	26.7	233.1	20,200*	30.4	242.5	23,700*	35.3	253.9	21,900	39.6	262.9	19,800	46.0	273.9	16,300	51.6	280.8	12,900				165
170	22.5	221.9	19,600*	26.8	233.2	22,700*	32.2	246.3	20,800	36.9	256.5	18,700	43.6	268.8	15,400	49.4	276.6	12,100				170
175	17.5	207.9	19,100*	22.7	222.1	21,600	28.9	237.7	19,700	34.0	249.4	17,700	41.1	263.2	14,500	47.1	272.1	11,300	52.5	277.2	8,200	175
180	10.3	187.0	19,000*	17.8	208.3	20,500	25.1	227.7	18,700	30.8	241.3	16,800	38.4	257.1	13,600	44.8	267.2	10,500	50.3	273.1	7,500	180
185				10.7	187.9	19,500	20.7	215.6	17,700	27.2	232.1	15,900	35.6	250.3	12,800	42.3	261.8	9,800	48.1	268.7	6,900	185
190							15.1	199.7	16,700	23.2	221.3	15,000	32.5	242.8	12,000	39.7	256.0	9,100	45.7	264.0	6,300	190
195							4.9	170.0	15,800	18.4	207.9	14,200	29.2	234.3	11,300	37.0	249.6	8,500	43.3	258.8	5,800	195
200										11.7	188.7	13,300	25.5	224.5	10,600	34.0	242.4	7,900	40.8	253.2	5,200	200
205													21.2	212.6	9,900	30.9	234.4	7,300	38.1	247.0	4,700	205
210													15.7	197.2	9,300	27.4	225.3	6,700	35.3	240.2	4,200	210
215													6.7	170.9	8,600	23.4	214.5	6,200				215
220																18.5	201.2	5,700				220
225																12.0	182.3	5,100				225

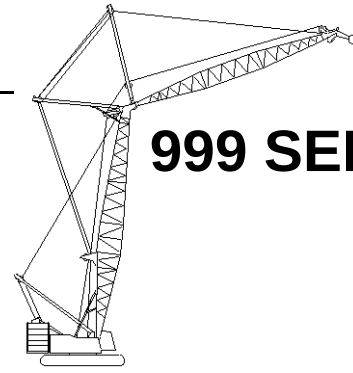


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



150 Ft. Boom, 180 Ft. Jib

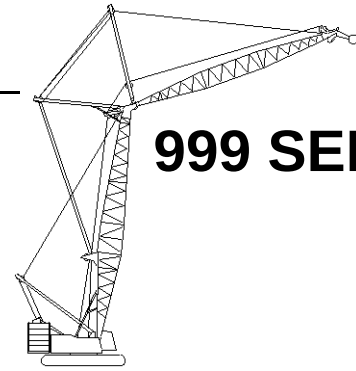
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	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	50,300*	69.4	324.8	51,100*													90
95	63.1	318.0	40,700*	65.0	320.2	48,200*	67.7	322.8	50,900													95
100	61.3	315.3	38,700*	63.2	317.7	46,000*	66.0	320.6	47,300													100
105	59.5	312.4	36,600*	61.4	315.1	43,900*	64.2	318.3	44,000	66.9	320.6	40,500										105
110	57.6	309.3	34,700*	59.6	312.2	41,800*	62.4	315.7	41,100	65.2	318.3	37,800										110
115	55.7	305.9	32,800*	57.7	309.1	39,700*	60.6	312.9	38,500	63.4	315.9	35,300										115
120	53.7	302.3	31,100*	55.8	305.7	37,600*	58.7	310.0	36,000	61.6	313.2	33,000										120
125	51.7	298.5	29,400*	53.8	302.2	35,600*	56.9	306.8	33,900	59.8	310.4	30,900										125
130	49.7	294.3	27,800*	51.8	298.3	33,800*	54.9	303.3	31,800	57.9	307.3	29,100	62.6	311.7	24,500							130
135	47.5	289.9	26,400*	49.7	294.2	32,000*	52.9	299.6	30,000	56.0	304.0	27,300	60.8	308.9	22,900							135
140	45.3	285.0	25,100*	47.6	289.7	30,300*	50.9	295.7	28,300	54.0	300.4	25,700	58.9	306.0	21,500							140
145	43.0	279.8	23,800*	45.4	284.9	28,700*	48.8	291.4	26,700	52.0	296.6	24,200	57.0	302.8	20,100							145
150	40.6	274.1	22,700*	43.1	279.7	27,300*	46.7	286.8	25,200	50.0	292.5	22,800	55.1	299.4	18,900							150
155	38.1	267.9	21,500*	40.7	274.0	25,900*	44.4	281.8	23,800	47.9	288.1	21,500	53.1	295.7	17,700	58.0	300.2	14,000				155
160	35.4	261.1	20,500*	38.2	267.9	24,700*	42.1	276.4	22,500	45.7	283.3	20,300	51.1	291.8	16,700	56.1	296.9	13,100				160
165	32.5	253.6	19,700*	35.5	261.1	23,500*	39.6	270.5	21,300	43.4	278.1	19,200	49.0	287.5	15,600	54.1	293.4	12,200				165
170	29.4	245.1	18,900*	32.6	253.6	22,300	37.0	264.1	20,200	41.0	272.5	18,100	46.9	282.9	14,700	52.1	289.6	11,300				170
175	25.9	235.4	18,200*	29.5	245.2	21,100	34.3	257.0	19,100	38.5	266.4	17,100	44.6	278.0	13,800	50.0	285.5	10,500				175
180	21.9	223.9	17,700*	26.0	235.5	20,000	31.3	249.1	18,100	35.8	259.7	16,200	42.3	272.6	12,900	47.9	281.1	9,800	52.9	286.0	6,700	180
185	17.0	209.4	17,400*	22.1	224.1	19,000	28.0	240.2	17,100	33.0	252.3	15,300	39.9	266.8	12,100	45.7	276.3	9,100	50.9	282.0	6,100	185
190	9.9	187.8	16,600*	17.2	209.8	18,000	24.4	229.9	16,200	29.9	244.0	14,400	37.3	260.5	11,400	43.4	271.2	8,400	48.8	277.7	5,500	190
195				10.4	188.8	17,100	20.1	217.4	15,400	26.4	234.5	13,600	34.5	253.5	10,700	41.1	265.6	7,800	46.6	273.1	5,000	195
200							14.6	201.0	14,500	22.5	223.3	12,800	31.6	245.6	10,000	38.5	259.5	7,200	44.4	268.1	4,400	200
205							4.8	170.4	13,600	17.8	209.4	12,100	28.4	236.8	9,300	35.9	252.8	6,600				205
210										11.3	189.6	11,300	24.8	226.7	8,700	33.0	245.4	6,000				210
215													20.5	214.4	8,100	30.0	237.1	5,500				215
220													15.2	198.5	7,500	26.6	227.7	5,000				220
225													6.5	171.4	6,900	22.7	216.5	4,500				225
230																18.0	202.8	4,000				230



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

150 Ft. Boom, 190 Ft. Jib

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	75.9	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	46,400*										90
95	64.6	329.1	38,100*	66.4	331.2	45,900*	68.9	333.6	46,400*										95
100	63.0	326.6	37,400*	64.7	328.9	44,100*	67.3	331.6	46,300*										100
105	61.3	323.9	35,500*	63.0	326.4	42,200*	65.7	329.3	43,700										105
110	59.5	321.1	33,700*	61.3	323.7	40,400*	64.0	326.9	40,800	66.6	329.3	37,400							110
115	57.7	318.0	32,000*	59.6	320.8	38,500*	62.3	324.4	38,200	64.9	327.0	35,000							115
120	55.9	314.6	30,400*	57.8	317.7	36,700*	60.6	321.6	35,800	63.2	324.5	32,700							120
125	54.1	311.1	28,800*	56.0	314.4	34,900*	58.8	318.6	33,600	61.5	321.9	30,600							125
130	52.2	307.3	27,400*	54.2	310.9	33,200*	57.0	315.5	31,500	59.8	319.0	28,800							130
135	50.2	303.2	26,000*	52.3	307.1	31,500*	55.2	312.0	29,700	58.0	316.0	27,000	62.5	320.3	22,600				135
140	48.2	298.8	24,600*	50.3	303.0	29,900*	53.3	308.4	28,000	56.2	312.7	25,400	60.7	317.6	21,200				140
145	46.2	294.1	23,500*	48.3	298.7	28,400*	51.4	304.5	26,400	54.4	309.2	23,900	59.0	314.6	19,800				145
150	44.0	289.1	22,300*	46.3	294.0	27,000*	49.5	300.3	24,900	52.5	305.4	22,500	57.2	311.5	18,600				150
155	41.8	283.6	21,300*	44.1	289.0	25,600*	47.4	295.8	23,500	50.5	301.4	21,200	55.4	308.1	17,400				155
160	39.5	277.7	20,200*	41.9	283.5	24,400*	45.3	291.0	22,300	48.6	297.0	20,000	53.5	304.5	16,400				160
165	37.0	271.3	19,300*	39.6	277.7	23,200	43.2	285.8	21,100	46.5	292.4	18,900	51.6	300.6	15,300	56.3	305.6	11,900	165
170	34.4	264.2	18,500*	37.1	271.2	22,000	40.9	280.2	19,900	44.4	287.4	17,800	49.6	296.4	14,400	54.4	302.1	11,000	170
175	31.6	256.4	17,800*	34.5	264.2	20,900	38.5	274.0	18,900	42.1	282.0	16,800	47.6	292.0	13,500	52.5	298.4	10,200	175
180	28.5	247.6	17,100*	31.7	256.4	19,800	36.0	267.4	17,900	39.8	276.2	15,900	45.5	287.2	12,700	50.6	294.3	9,500	180
185	25.2	237.6	16,600*	28.7	247.7	18,800	33.3	260.0	16,900	37.4	269.8	15,000	43.4	282.0	11,900	48.6	290.0	8,800	185
190	21.3	225.7	16,200*	25.3	237.7	17,800	30.4	251.9	16,000	34.8	262.9	14,200	41.1	276.4	11,100	46.6	285.4	8,100	190
195	16.5	210.8	15,900*	21.5	226.0	16,900	27.3	242.6	15,100	32.0	255.2	13,400	38.7	270.4	10,400	44.4	280.4	7,500	195
200	9.7	188.6	14,700*	16.8	211.2	16,000	23.7	232.0	14,300	29.0	246.6	12,600	36.2	263.7	9,700	42.2	275.0	6,900	200
205				10.1	189.6	15,200	19.5	219.1	13,500	25.7	236.8	11,900	33.6	256.5	9,100	39.9	269.2	6,300	205
210							14.2	202.2	12,800	21.9	225.2	11,100	30.7	248.4	8,400	37.5	262.9	5,800	210
215							4.6	170.8	12,000	17.4	210.9	10,500	27.6	239.3	7,900	34.9	256.0	5,300	215
220										11.0	190.6	9,800	24.1	228.8	7,300	32.1	248.3	4,800	220
225													20.0	216.2	6,700	29.1	239.7	4,300	225
230													14.8	199.8	6,200				230
235													6.3	171.9	5,600				235

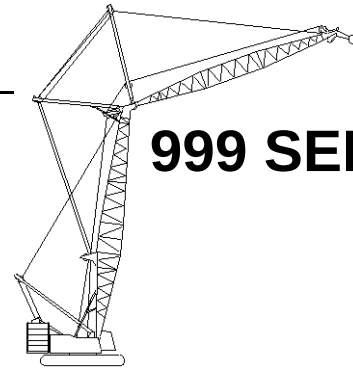


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



150 Ft. Boom, 200 Ft. Jib

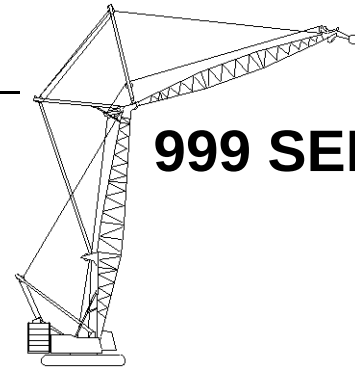
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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	75.1	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	42,000*										95
100	64.4	337.8	34,900*	66.1	339.9	42,000*	68.5	342.4	42,000*										100
105	62.8	335.3	34,300*	64.5	337.6	40,400*	67.0	340.3	41,900*										105
110	61.2	332.6	32,700*	62.9	335.1	38,800*	65.4	338.0	40,200	67.8	340.2	36,700							110
115	59.5	329.7	31,100*	61.3	332.4	37,100*	63.8	335.6	37,500	66.2	338.0	34,300							115
120	57.9	326.6	29,600*	59.6	329.5	35,500*	62.2	333.0	35,100	64.7	335.7	32,000							120
125	56.1	323.3	28,100*	57.9	326.4	33,900*	60.5	330.3	32,900	63.1	333.2	30,000							125
130	54.4	319.8	26,800*	56.2	323.1	32,400*	58.9	327.3	30,900	61.4	330.5	28,100							130
135	52.6	316.1	25,500*	54.5	319.6	30,800*	57.2	324.1	29,100	59.8	327.7	26,300							135
140	50.8	312.1	24,200*	52.7	315.9	29,400*	55.5	320.8	27,400	58.1	324.6	24,700	62.3	329.0	20,400				140
145	48.9	307.8	23,000*	50.8	311.9	28,000*	53.7	317.1	25,800	56.4	321.4	23,300	60.7	326.2	19,100				145
150	46.9	303.2	21,900*	49.0	307.6	26,600*	51.9	313.3	24,300	54.7	317.9	21,900	59.0	323.3	17,900				150
155	44.9	298.3	20,900*	47.0	303.1	25,300*	50.0	309.2	22,900	52.9	314.2	20,600	57.3	320.1	16,700				155
160	42.8	293.0	20,000*	45.0	298.2	24,000	48.1	304.8	21,700	51.0	310.2	19,400	55.6	316.8	15,600				160
165	40.7	287.4	19,100*	42.9	292.9	22,700	46.1	300.1	20,500	49.2	306.0	18,300	53.9	313.2	14,600				165
170	38.4	281.2	18,200*	40.8	287.3	21,500	44.1	295.1	19,300	47.2	301.4	17,200	52.1	309.4	13,700	56.5	314.3	10,300	170
175	36.0	274.6	17,400*	38.5	281.2	20,300	42.0	289.6	18,300	45.2	296.6	16,200	50.2	305.3	12,800	54.7	310.8	9,500	175
180	33.5	267.3	16,800*	36.1	274.5	19,300	39.8	283.8	17,300	43.2	291.4	15,300	48.3	300.9	12,000	52.9	307.1	8,700	180
185	30.8	259.2	16,100*	33.6	267.2	18,300	37.5	277.4	16,300	41.0	285.8	14,400	46.3	296.3	11,200	51.1	303.2	8,000	185
190	27.8	250.1	15,600*	30.9	259.2	17,300	35.0	270.5	15,400	38.8	279.7	13,500	44.3	291.3	10,400	49.2	299.0	7,400	190
195	24.5	239.8	15,100*	27.9	250.2	16,400	32.4	262.9	14,600	36.4	273.1	12,800	42.2	285.9	9,700	47.3	294.4	6,800	195
200	20.7	227.5	14,800*	24.7	239.9	15,600	29.6	254.5	13,800	33.9	265.9	12,000	40.0	280.1	9,100	45.3	289.6	6,200	200
205	16.1	212.2	14,500*	20.9	227.8	14,700	26.5	245.0	13,000	31.2	258.0	11,300	37.7	273.8	8,400	43.2	284.4	5,600	205
210	9.4	189.4	12,600*	16.3	212.6	13,900	23.1	234.0	12,300	28.3	249.1	10,600	35.3	266.9	7,800	41.1	278.8	5,100	210
215				9.8	190.5	13,100	19.0	220.8	11,500	25.0	239.0	9,900	32.7	259.4	7,200	38.8	272.8	4,600	215
220							13.9	203.4	10,800	21.4	227.1	9,300	29.9	251.1	6,700	36.5	266.2	4,100	220
225							4.5	171.1	10,100	16.9	212.4	8,700	26.9	241.7	6,100				225
230										10.7	191.5	8,000	23.4	230.8	5,600				230
235													19.5	217.9	5,100				235
240													14.4	201.1	4,600				240
245													6.1	172.4	4,100				245



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

150 Ft. Boom, 210 Ft. Jib

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	75.9	361.3	35,600*																65
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	38,100*										100
105	64.2	346.5	32,200*	65.8	348.6	38,500*	68.1	351.1	38,100*										105
110	62.7	344.0	31,500*	64.3	346.3	37,100*	66.6	349.0	37,900*										110
115	61.1	341.3	30,100*	62.8	343.7	35,700*	65.1	346.7	37,000	67.4	348.9	33,700							115
120	59.6	338.4	28,800*	61.2	341.0	34,300*	63.6	344.3	34,600	66.0	346.7	31,500							120
125	58.0	335.3	27,400*	59.6	338.2	32,900*	62.1	341.7	32,400	64.5	344.4	29,400							125
130	56.3	332.0	26,200*	58.0	335.1	31,500*	60.5	338.9	30,400	62.9	341.9	27,500							130
135	54.7	328.5	24,900*	56.4	331.8	30,100*	58.9	336.0	28,600	61.4	339.2	25,800							135
140	53.0	324.8	23,800*	54.7	328.4	28,700*	57.3	332.8	26,900	59.8	336.3	24,200							140
145	51.2	320.9	22,700*	53.0	324.7	27,500*	55.7	329.5	25,300	58.2	333.3	22,700	62.2	337.7	18,500				145
150	49.4	316.7	21,600*	51.3	320.7	26,200*	54.0	325.9	23,800	56.6	330.1	21,400	60.7	334.9	17,300				150
155	47.6	312.2	20,600*	49.5	316.5	24,800	52.3	322.1	22,500	54.9	326.6	20,100	59.1	332.0	16,200				155
160	45.7	307.5	19,700*	47.7	312.1	23,500	50.5	318.1	21,200	53.2	322.9	18,900	57.5	328.8	15,100				160
165	43.8	302.3	18,800*	45.8	307.3	22,200	48.7	313.7	20,000	51.5	319.0	17,800	55.8	325.5	14,100				165
170	41.8	296.9	18,000*	43.9	302.2	21,000	46.9	309.2	18,900	49.7	314.9	16,700	54.2	321.9	13,200				170
175	39.6	291.0	17,200*	41.8	296.8	19,900	45.0	304.3	17,800	47.9	310.4	15,700	52.5	318.2	12,300	56.6	323.0	8,900	175
180	37.4	284.6	16,500*	39.7	290.9	18,800	43.0	299.0	16,800	46.0	305.7	14,800	50.7	314.2	11,400	55.0	319.6	8,200	180
185	35.1	277.7	15,800*	37.5	284.6	17,800	40.9	293.4	15,900	44.1	300.7	13,900	48.9	309.9	10,700	53.3	315.9	7,500	185
190	32.6	270.2	15,200*	35.2	277.7	16,900	38.8	287.3	15,000	42.1	295.3	13,100	47.1	305.3	9,900	51.6	312.0	6,800	190
195	30.0	261.9	14,700*	32.8	270.2	16,000	36.5	280.8	14,100	40.0	289.4	12,300	45.2	300.4	9,200	49.8	307.9	6,200	195
200	27.1	252.5	14,300*	30.1	261.9	15,100	34.2	273.6	13,300	37.8	283.2	11,500	43.2	295.2	8,500	48.0	303.4	5,600	200
205	23.9	241.9	13,900*	27.2	252.6	14,300	31.6	265.8	12,500	35.5	276.3	10,800	41.1	289.6	7,900	46.1	298.7	5,100	205
210	20.2	229.3	13,500*	24.1	242.0	13,500	28.9	257.1	11,800	33.0	268.9	10,100	39.0	283.6	7,300	44.1	293.7	4,500	210
215	15.7	213.6	13,000*	20.4	229.6	12,800	25.9	247.3	11,100	30.4	260.7	9,500	36.8	277.1	6,700	42.1	288.3	4,000	215
220	9.2	190.2	10,800*	15.9	214.0	12,000	22.5	236.0	10,400	27.6	251.6	8,800	34.4	270.0	6,200				220
225				9.6	191.3	11,300*	18.6	222.4	9,800	24.4	241.1	8,200	31.9	262.3	5,600				225
230							13.5	204.6	9,200	20.8	228.9	7,700	29.2	253.7	5,100				230
235							4.4	171.5	8,500	16.5	213.8	7,100	26.2	244.0	4,600				235
240										10.5	192.4	6,500	22.9	232.9	4,200				240



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



150 Ft. Boom, 220 Ft. Jib

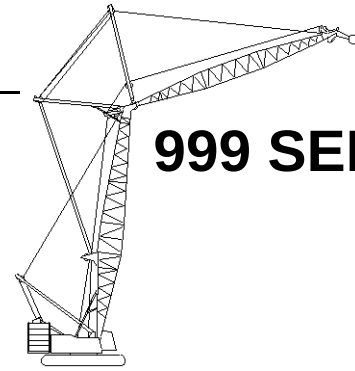
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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	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	34,500*										105
110	64.0	355.2	29,300*	65.5	357.3	35,000*	67.8	359.9	34,300*										110
115	62.6	352.6	29,000*	64.1	355.0	34,100*	66.3	357.7	34,200*										115
120	61.1	349.9	27,800*	62.6	352.4	32,900*	64.9	355.4	34,000	67.1	357.7	30,800							120
125	59.6	347.0	26,600*	61.1	349.7	31,600*	63.5	353.0	31,800	65.7	355.4	28,700							125
130	58.0	344.0	25,400*	59.6	346.8	30,400*	62.0	350.4	29,800	64.3	353.1	26,900							130
135	56.5	340.7	24,300*	58.1	343.8	29,200*	60.5	347.6	27,900	62.8	350.6	25,100							135
140	54.9	337.3	23,200*	56.6	340.5	28,000*	59.0	344.6	26,200	61.3	347.9	23,500							140
145	53.3	333.6	22,200*	55.0	337.1	26,800*	57.4	341.5	24,700	59.8	345.0	22,100							145
150	51.6	329.7	21,200*	53.4	333.4	25,600*	55.9	338.2	23,200	58.3	342.0	20,700	62.1	346.3	16,600				150
155	50.0	325.6	20,200*	51.7	329.5	24,300	54.3	334.6	21,800	56.7	338.7	19,400	60.6	343.6	15,400				155
160	48.2	321.2	19,300*	50.0	325.4	22,900	52.7	330.9	20,600	55.2	335.3	18,200	59.1	340.6	14,400				160
165	46.4	316.5	18,500*	48.3	321.1	21,700	51.0	326.9	19,400	53.6	331.7	17,100	57.6	337.5	13,400				165
170	44.6	311.6	17,700*	46.5	316.4	20,500	49.3	322.7	18,300	51.9	327.8	16,100	56.0	334.2	12,400				170
175	42.7	306.3	17,000*	44.7	311.5	19,300	47.5	318.2	17,200	50.2	323.7	15,100	54.4	330.7	11,600				175
180	40.7	300.6	16,300*	42.8	306.2	18,300	45.7	313.4	16,200	48.5	319.4	14,100	52.8	326.9	10,700	56.8	331.7	7,400	180
185	38.7	294.5	15,600*	40.8	300.5	17,300	43.9	308.3	15,300	46.7	314.8	13,300	51.2	323.0	10,000	55.2	328.3	6,700	185
190	36.5	287.9	15,000*	38.8	294.4	16,300	41.9	302.9	14,400	44.9	309.9	12,400	49.5	318.8	9,200	53.6	324.7	6,100	190
195	34.3	280.8	14,400*	36.6	287.9	15,400	39.9	297.0	13,500	43.0	304.6	11,600	47.7	314.3	8,500	52.0	320.8	5,500	195
200	31.9	273.0	13,900*	34.4	280.8	14,600	37.9	290.8	12,700	41.1	299.0	10,900	45.9	309.6	7,900	50.3	316.7	4,900	200
205	29.3	264.5	13,400*	32.0	273.1	13,800	35.7	284.0	12,000	39.0	293.0	10,200	44.1	304.5	7,200	48.6	312.4	4,300	205
210	26.5	254.9	13,000*	29.4	264.5	13,000	33.3	276.6	11,300	36.9	286.5	9,500	42.1	299.1	6,600				210
215	23.3	243.9	12,700*	26.6	255.0	12,300	30.9	268.5	10,600	34.6	279.5	8,900	40.1	293.3	6,100				215
220	19.7	231.0	12,300*	23.5	244.1	11,600	28.2	259.6	9,900	32.3	271.8	8,200	38.1	287.1	5,500				220
225	15.3	214.9	11,000*	19.9	231.3	10,900	25.3	249.5	9,300	29.7	263.4	7,700	35.9	280.4	5,000				225
230	9.0	191.0	9,000*	15.6	215.4	10,200	22.0	237.9	8,600	26.9	254.0	7,100	33.6	273.1	4,500				230
235				9.3	192.1	9,500*	18.1	224.0	8,100	23.8	243.3	6,500	31.1	265.1	4,000				235
240							13.2	205.7	7,500	20.3	230.7	6,000							240
245							4.3	171.8	6,900	16.1	215.2	5,500							245
250										10.2	193.3	5,000							250



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

150 Ft. Boom, 230 Ft. Jib

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	75.8	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	33,000*							105
110	65.2	366.3	27,200*	66.7	368.3	32,200*	68.8	370.7	32,900*							110
115	63.9	363.9	26,600*	65.3	366.0	31,100*	67.4	368.6	32,800*							115
120	62.5	361.3	25,500*	63.9	363.6	30,000*	66.1	366.5	32,700*							120
125	61.0	358.6	24,400*	62.5	361.1	28,900*	64.7	364.1	31,400	66.8	366.4	28,300				125
130	59.6	355.7	23,300*	61.1	358.4	27,800*	63.3	361.7	29,400	65.4	364.2	26,400				130
135	58.1	352.6	22,300*	59.7	355.5	26,700*	61.9	359.0	27,500	64.1	361.8	24,700				135
140	56.7	349.4	21,400*	58.2	352.4	25,600*	60.5	356.2	25,800	62.7	359.2	23,100				140
145	55.1	346.0	20,400*	56.7	349.2	24,600*	59.0	353.3	24,300	61.3	356.5	21,600				145
150	53.6	342.3	19,500*	55.2	345.8	23,600*	57.6	350.2	22,800	59.8	353.7	20,300				150
155	52.0	338.5	18,700*	53.7	342.2	22,600*	56.1	346.9	21,400	58.4	350.6	19,000	62.0	355.0	15,000	155
160	50.4	334.4	17,900*	52.1	338.3	21,600*	54.5	343.3	20,200	56.9	347.4	17,800	60.6	352.2	13,900	160
165	48.8	330.1	17,100*	50.5	334.3	20,700*	53.0	339.6	19,000	55.4	344.0	16,700	59.2	349.3	12,900	165
170	47.1	325.6	16,400*	48.9	330.0	19,800*	51.4	335.7	17,800	53.8	340.4	15,600	57.7	346.2	12,000	170
175	45.4	320.7	15,700*	47.2	325.4	18,900	49.8	331.6	16,800	52.3	336.6	14,700	56.2	342.9	11,100	175
180	43.6	315.6	15,000*	45.4	320.6	17,900	48.1	327.2	15,800	50.7	332.6	13,700	54.7	339.4	10,300	180
185	41.7	310.1	14,400*	43.7	315.5	16,900	46.4	322.5	14,900	49.0	328.3	12,900	53.1	335.7	9,500	185
190	39.8	304.2	13,900*	41.8	310.0	16,000	44.7	317.5	14,000	47.4	323.8	12,000	51.6	331.8	8,800	190
195	37.8	297.9	13,300*	39.9	304.2	15,100	42.9	312.2	13,100	45.6	319.0	11,200	49.9	327.7	8,100	195
200	35.7	291.2	12,900*	37.9	297.9	14,200	41.0	306.6	12,400	43.9	313.9	10,500	48.3	323.3	7,500	200
205	33.5	283.8	12,400*	35.8	291.1	13,400	39.0	300.6	11,600	42.0	308.5	9,800	46.6	318.7	6,800	205
210	31.1	275.8	12,000*	33.6	283.8	12,600	37.0	294.1	10,900	40.1	302.7	9,100	44.8	313.7	6,200	210
215	28.6	267.0	11,700*	31.3	275.9	11,900	34.9	287.1	10,200	38.1	296.5	8,500	43.0	308.5	5,700	215
220	25.9	257.2	11,400*	28.7	267.1	11,200	32.6	279.5	9,500	36.0	289.8	7,900	41.2	302.9	5,100	220
225	22.8	246.0	11,100*	26.0	257.3	10,500	30.2	271.2	8,900	33.8	282.5	7,300	39.2	296.9	4,600	225
230	19.3	232.7	10,800*	23.0	246.1	9,900	27.6	262.1	8,300	31.5	274.6	6,700	37.2	290.5	4,100	230
235	15.0	216.2	9,300*	19.5	233.0	9,300	24.7	251.7	7,700	29.0	266.0	6,200				235
240	8.8	191.7	7,400*	15.2	216.7	8,700	21.5	239.8	7,200	26.3	256.3	5,700				240
245				9.1	192.8	7,900*	17.7	225.5	6,600	23.3	245.3	5,200				245
250							12.9	206.8	6,100	19.9	232.5	4,700				250
255							4.2	172.2	5,500	15.7	216.6	4,200				255



Liftcrane Luffing Jib Capacities

999 SERIES 3

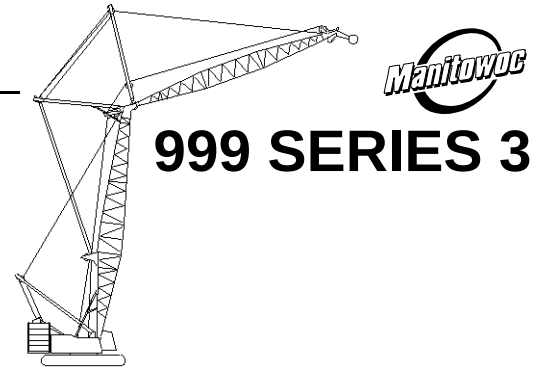
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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			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	75.2	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	29,900*							110
115	65.0	375.0	24,900*	66.4	377.0	29,500*	68.4	379.5	29,800*							115
120	63.7	372.6	24,400*	65.1	374.7	28,500*	67.1	377.4	29,600*							120
125	62.4	370.0	23,400*	63.8	372.3	27,600*	65.8	375.2	29,500*	67.8	377.3	27,600				125
130	61.0	367.2	22,500*	62.4	369.7	26,600*	64.5	372.8	28,700	66.5	375.1	25,800				130
135	59.6	364.4	21,500*	61.1	367.0	25,600*	63.2	370.3	26,900	65.2	372.9	24,000				135
140	58.2	361.3	20,700*	59.7	364.1	24,700*	61.8	367.7	25,200	63.9	370.4	22,500				140
145	56.8	358.1	19,800*	58.3	361.1	23,700*	60.5	364.9	23,600	62.6	367.9	21,000				145
150	55.4	354.7	19,000*	56.9	357.9	22,800*	59.1	362.0	22,200	61.2	365.2	19,600				150
155	53.9	351.1	18,200*	55.4	354.5	21,900*	57.7	358.8	20,800	59.8	362.3	18,400				155
160	52.4	347.3	17,400*	53.9	350.9	21,000*	56.2	355.5	19,600	58.4	359.3	17,200	61.9	363.7	13,200	160
165	50.9	343.3	16,700*	52.5	347.1	20,200*	54.8	352.1	18,400	57.0	356.1	16,100	60.6	360.9	12,200	165
170	49.3	339.1	16,000*	50.9	343.1	19,400*	53.3	348.4	17,300	55.6	352.7	15,000	59.2	357.9	11,300	170
175	47.7	334.6	15,300*	49.4	338.9	18,400	51.8	344.5	16,200	54.1	349.2	14,000	57.8	354.8	10,500	175
180	46.0	329.9	14,700*	47.8	334.4	17,300	50.2	340.4	15,200	52.6	345.4	13,100	56.4	351.6	9,600	180
185	44.4	324.8	14,100*	46.1	329.7	16,300	48.7	336.1	14,300	51.1	341.4	12,200	54.9	348.1	8,900	185
190	42.6	319.5	13,500*	44.4	324.7	15,400	47.0	331.5	13,400	49.5	337.2	11,400	53.4	344.5	8,100	190
195	40.8	313.8	13,000*	42.7	319.4	14,500	45.4	326.7	12,600	47.9	332.8	10,600	51.9	340.6	7,400	195
200	38.9	307.8	12,500*	40.9	313.7	13,700	43.7	321.6	11,800	46.3	328.1	9,900	50.4	336.5	6,800	200
205	37.0	301.3	12,100*	39.0	307.7	12,900	41.9	316.1	11,000	44.6	323.1	9,200	48.8	332.2	6,200	205
210	34.9	294.3	11,700*	37.1	301.2	12,100	40.1	310.3	10,300	42.9	317.9	8,500	47.2	327.7	5,600	210
215	32.8	286.8	11,300*	35.0	294.3	11,400	38.2	304.1	9,600	41.1	312.2	7,900	45.5	322.9	5,000	215
220	30.5	278.6	11,000*	32.9	286.8	10,700	36.2	297.4	9,000	39.2	306.3	7,300	43.8	317.8	4,500	220
225	28.0	269.5	10,600*	30.6	278.6	10,000	34.1	290.2	8,300	37.3	299.8	6,700	42.1	312.3	4,000	225
230	25.3	259.4	10,300*	28.1	269.6	9,400	31.9	282.4	7,700	35.3	292.9	6,100				230
235	22.3	247.9	9,600*	25.4	259.5	8,800	29.5	273.9	7,200	33.1	285.5	5,600				235
240	18.9	234.4	9,000*	22.5	248.1	8,200	27.0	264.5	6,600	30.8	277.4	5,100				240
245	14.7	217.5	7,600*	19.0	234.7	7,600	24.2	253.9	6,100	28.4	268.5	4,600				245
250	8.6	192.4	5,900*	14.9	218.0	7,000	21.0	241.7	5,600	25.7	258.6	4,100				250
255				8.9	193.6	6,300*	17.3	227.0	5,100							255
260							12.6	207.9	4,600							260
265							4.1	172.5	4,100							265



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

160 Ft. Boom, 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	101,200*b	62.7	228.3	110,700*b													60
65	42.9	214.7	84,300*	49.3	219.9	95,700*	57.9	225.3	101,500b	65.7	228.6	97,300b										65
70	36.3	208.4	77,800*	43.6	214.9	90,600*	52.9	221.7	92,400	61.1	226.0	88,600b										70
75	28.4	200.2	72,700*	37.1	208.8	84,200*	47.5	217.4	84,800	56.2	222.8	81,200b										75
80	17.4	187.7	69,600*	29.4	200.9	77,900*	41.5	212.1	78,100	51.1	219.0	74,900										80
85				19.0	189.2	72,400*	34.7	205.5	72,400	45.5	214.3	69,400	59.7	221.9	64,300b							85
90							26.4	196.7	67,300	39.3	208.7	64,500	54.8	218.6	59,800b							90
95							13.9	182.2	62,700	32.1	201.4	60,200	49.5	214.5	55,900							95
100										22.9	191.3	56,400	43.8	209.6	52,300	58.0	216.4	48,200b				100
105										2.1	166.6	52,700	37.4	203.6	49,100	53.0	212.9	45,300				105
110													29.7	195.7	46,300	47.6	208.5	42,600				110
115													19.5	184.3	43,600	41.7	203.3	40,200				115
120																34.9	196.7	38,000	50.7	205.6	34,800	120
125																26.6	187.9	36,000	45.1	200.9	32,900	125
130																14.3	173.7	34,000	38.8	195.1	31,200	130
135																			31.5	187.7	29,600	135
140																			22.1	177.4	28,100	140

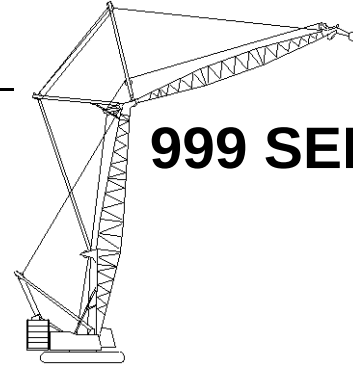


Liftcrane Luffing Jib Capacities

999 SERIES 3

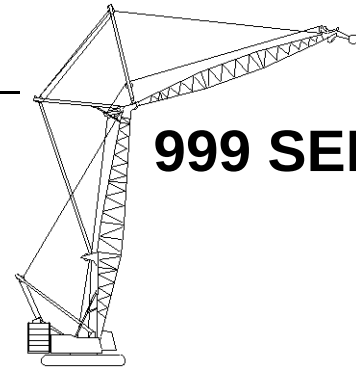
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



160 Ft. Boom, 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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
45	67.2	241.2	100,500*b	67.7	241.1	110,400*b																45
50	63.2	238.8	95,700*b	63.7	238.8	104,000*b																50
55	59.1	236.0	92,500*																			55
60	54.8	232.6	88,400*	59.6	236.0	98,100*	66.4	239.5	107,200*b													60
65	50.2	228.6	81,200*	55.3	232.6	92,700*	62.4	237.0	101,000b													65
70	45.3	224.0	74,300*	50.8	228.8	87,900*	58.2	234.0	92,000	65.0	237.3	88,000b										70
75	39.9	218.3	68,600*	45.9	224.2	82,500*	53.8	230.5	84,300	60.9	234.6	80,700b										75
80	33.8	211.5	63,700*	40.6	218.7	76,000*	49.2	226.4	77,700	56.7	231.5	74,400										80
85	26.5	202.5	60,000*	34.6	212.0	70,300*	44.2	221.5	72,000	52.2	227.8	68,900										85
90	16.2	189.1	57,800*	27.4	203.3	65,800*	38.7	215.7	67,000	47.5	223.4	64,100	59.8	230.6	59,200							90
95				17.7	190.7	62,600*	32.4	208.4	62,600	42.3	218.3	59,800	55.5	227.3	55,300							95
100							24.6	198.8	58,600	36.6	212.0	56,000	50.9	223.4	51,800							100
105							12.9	183.3	54,900	29.9	204.1	52,600	46.1	218.9	48,600							105
110										21.3	193.2	49,500	40.8	213.4	45,800	53.9	221.6	42,000				110
115										1.8	166.6	46,500	34.8	206.7	43,200	49.3	217.5	39,600				115
120													27.7	198.2	40,800	44.3	212.7	37,500				120
125													18.2	185.8	38,600	38.8	206.8	35,500	51.9	214.4	32,300	125
130																32.5	199.6	33,600	47.2	210.0	30,600	130
135																24.8	190.1	31,900	42.0	204.8	29,000	135
140																13.3	174.8	30,200	36.2	198.4	27,600	140
145																			29.4	190.3	26,200	145
150																			20.6	179.1	24,900	150



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

160 Ft. Boom, 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	70.3	251.9	106,800*b																45
50	66.4	250.0	88,900*b	66.8	249.8	100,900*b																50
55	62.9	247.5	85,900*	63.3	247.4	95,400*	69.1	250.3	103,800*b													55
60	59.2	244.6	84,200*	59.6	244.6	90,300*	65.7	248.2	98,400*b													60
65	55.4	241.3	78,300*																			65
70	51.4	237.5	72,200*	55.8	241.4	85,700*	62.1	245.6	91,700	67.9	248.3	87,600b										70
75	47.1	233.1	66,500*	51.9	237.6	80,300*	58.4	242.7	84,000	64.4	246.0	80,300b										75
80	42.6	227.9	61,300*	47.6	233.2	74,000*	54.5	239.2	77,500	60.8	243.3	74,000										80
85	37.5	221.8	56,900*	43.1	228.2	68,600*	50.5	235.3	71,800	57.1	240.2	68,600										85
90	31.8	214.3	53,300*	38.1	222.2	63,300*	46.2	230.7	66,800	53.2	236.6	63,800										90
95	24.9	204.7	50,500*	32.5	214.9	59,000*	41.5	225.3	62,400	49.0	232.4	59,600	59.8	239.2	54,900							95
100	15.3	190.4	48,900*	25.8	205.6	55,500*	36.3	219.0	58,400	44.6	227.6	55,800	56.0	236.0	51,400							100
105				16.7	192.2	53,100*	30.4	211.1	54,900	39.8	221.9	52,400	52.0	232.3	48,300							105
110							23.1	200.9	51,700	34.4	215.1	49,400	47.8	227.9	45,500							110
115							12.1	184.3	48,700	28.1	206.6	46,600	43.3	222.9	42,900	54.6	230.4	39,200				115
120										20.0	194.9	44,000	38.3	216.9	40,600	50.6	226.4	37,100				120
125										1.6	166.6	41,500	32.7	209.7	38,400	46.3	221.9	35,100				125
130													26.1	200.5	36,400	41.6	216.5	33,300	52.9	223.2	30,200	130
135													17.1	187.3	34,500	36.4	210.2	31,600	48.7	219.0	28,700	135
140																30.6	202.4	30,000	44.3	214.1	27,200	140
145																23.3	192.2	28,600	39.4	208.4	25,900	145
150																12.4	175.9	27,100	34.0	201.5	24,600	150
155																			27.6	192.8	23,500	155
160																			19.4	180.8	22,300	160

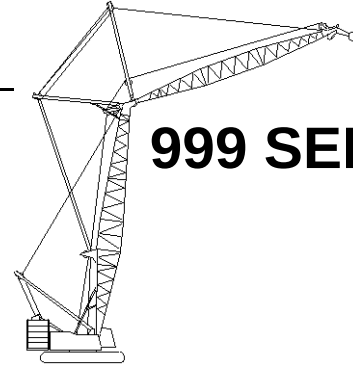


Liftcrane Luffing Jib Capacities

999 SERIES 3

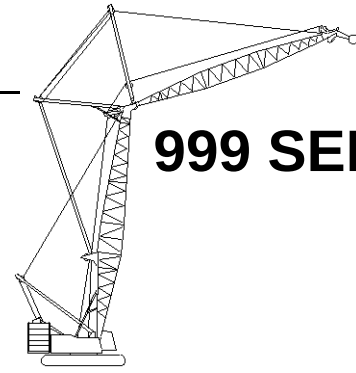
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



160 Ft. Boom, 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	72.3	262.5	102,700*b																45
50	68.9	260.8	82,500*b	69.3	260.7	97,400*b																50
55	65.8	258.7	80,800*	66.2	258.6	92,300*																55
60	62.6	256.2	77,400*	63.0	256.1	87,500*	68.2	259.1	89,900b													60
65	59.3	253.3	75,200*																			65
70	55.9	250.0	69,700*	59.7	253.3	83,100*	65.1	256.8	81,500													70
75	52.3	246.3	64,400*	56.3	250.1	77,900*	61.9	254.3	74,400	67.2	257.0	69,500										75
80	48.5	242.1	59,600*	52.7	246.4	72,100*	58.6	251.3	68,300	64.0	254.6	63,700										80
85	44.6	237.2	55,200*	49.0	242.2	66,700*	55.1	248.0	63,000	60.7	251.9	58,700										85
90	40.2	231.6	51,200*	45.0	237.4	61,800*	51.5	244.1	58,400	57.4	248.9	54,400										90
95	35.5	225.0	47,900*	40.8	231.9	57,500*	47.7	239.8	54,300	53.9	245.3	50,500										95
100	30.1	217.0	45,100*	36.1	225.4	53,400*	43.6	234.8	50,600	50.2	241.3	47,100	59.8	247.9	41,200							100
105	23.6	206.8	43,000*	30.8	217.6	50,000*	39.2	228.9	47,300	46.3	236.8	44,000	56.4	244.7	38,400							105
110	14.4	191.6	41,800*	24.4	207.8	47,300*	34.4	222.1	44,400	42.2	231.5	41,200	52.9	241.0	36,000							110
115				15.8	193.5	44,600	28.8	213.7	41,700	37.6	225.3	38,700	49.1	236.9	33,700							115
120							21.9	202.8	39,200	32.5	218.0	36,400	45.2	232.1	31,600	55.2	239.1	27,000				120
125							11.4	185.3	36,800	26.6	208.9	34,200	40.9	226.6	29,700	51.6	235.3	25,300				125
130										18.9	196.6	32,200	36.2	220.2	28,000	47.8	230.9	23,700				130
135													31.0	212.5	26,400	43.7	225.9	22,300				135
140													24.7	202.7	24,800	39.3	220.1	21,000	49.9	227.9	17,200	140
145													16.1	188.7	23,400	34.5	213.3	19,800	46.0	223.3	16,100	145
150																28.9	204.9	18,600	41.9	218.0	15,100	150
155																22.1	194.1	17,500	37.3	211.8	14,100	155
160																11.8	176.9	16,400	32.2	204.3	13,200	160
165																			26.1	195.1	12,400	165
170																			18.3	182.4	11,600	170



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

160 Ft. Boom, 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	89,400*																60
65	62.4	264.8	70,100*	65.6	267.3	85,000*	70.3	269.8	89,700													65
70	59.4	262.0	67,400*	62.7	264.8	80,800*	67.5	267.8	81,300													70
75	56.3	258.7	62,500*	59.7	261.9	75,400*	64.6	265.5	74,200													75
80	53.0	255.1	57,900*	56.6	258.8	70,200*	61.7	262.9	68,100	66.5	265.7	63,500										80
85	49.7	251.0	53,900*	53.4	255.2	65,200*	58.7	260.0	62,900	63.6	263.3	58,500										85
90	46.1	246.4	50,100*	50.1	251.1	60,500*	55.6	256.7	58,200	60.7	260.6	54,200										90
95	42.3	241.1	46,600*	46.5	246.6	56,300*	52.3	252.9	54,100	57.6	257.5	50,300										95
100	38.3	235.1	43,500*	42.8	241.4	52,500*	48.9	248.7	50,500	54.5	254.1	46,900	62.8	259.4	41,000							100
105	33.8	228.0	40,900*	38.8	235.5	48,800*	45.3	244.0	47,200	51.2	250.2	43,800	59.8	256.6	38,200							105
110	28.6	219.6	38,700*	34.3	228.5	45,700*	41.5	238.6	44,300	47.7	245.8	41,100	56.7	253.4	35,700							110
115	22.4	208.8	37,100*	29.3	220.2	43,000*	37.3	232.3	41,600	44.0	240.8	38,600	53.5	249.8	33,500							115
120	13.7	192.8	36,300*	23.2	209.8	40,900*	32.7	225.0	39,200	40.1	235.2	36,300	50.2	245.8	31,500							120
125				15.0	194.8	39,500*	27.4	216.1	36,900	35.8	228.6	34,200	46.7	241.3	29,600	55.6	247.8	25,100				125
130							20.8	204.6	34,800	31.0	220.8	32,200	42.9	236.1	27,800	52.4	244.1	23,500				130
135							10.9	186.2	32,800	25.3	211.2	30,400	38.9	230.2	26,300	49.0	239.9	22,100				135
140										18.0	198.1	28,700	34.5	223.3	24,800	45.4	235.1	20,800				140
145													29.5	215.1	23,400	41.6	229.7	19,600	50.9	236.8	15,900	145
150													23.5	204.7	22,100	37.4	223.5	18,500	47.4	232.4	14,900	150
155													15.4	190.0	20,800	32.8	216.2	17,400	43.8	227.4	14,000	155
160																27.5	207.4	16,400	39.8	221.6	13,100	160
165																21.0	195.9	15,400	35.5	215.0	12,300	165
170																11.2	177.8	14,400	30.6	207.1	11,500	170
175																			24.9	197.3	10,700	175
180																			17.4	183.9	10,000	180



Liftcrane Luffing Jib Capacities

999 SERIES 3

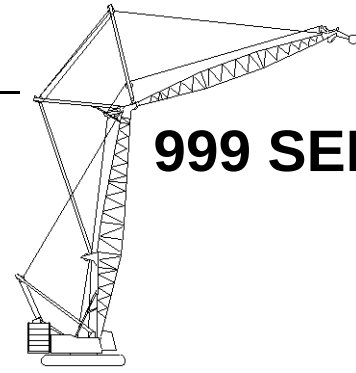
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



160 Ft. Boom, 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	82,000*																65
70	62.2	273.5	63,800*	65.2	276.0	77,600*	69.5	278.6	80,600													70
75	59.4	270.6	60,800*	62.5	273.4	72,900*	66.9	276.6	73,500													75
80	56.6	267.4	56,600*	59.7	270.6	68,300*	64.3	274.2	67,500													80
85	53.6	263.9	52,700*	56.9	267.4	63,800*	61.6	271.6	62,200	66.0	274.4	57,800										85
90	50.6	259.9	49,000*	54.0	263.9	59,500*	58.8	268.7	57,600	63.3	272.0	53,400										90
95	47.4	255.4	45,800*	51.0	260.0	55,400*	55.9	265.4	53,500	60.6	269.3	49,600										95
100	44.0	250.5	42,800*	47.8	255.6	51,700*	53.0	261.7	49,900	57.8	266.2	46,200										100
105	40.4	244.8	40,000*	44.4	250.7	48,200*	49.9	257.7	46,600	54.9	262.8	43,100	62.6	268.0	37,400							105
110	36.6	238.4	37,600*	40.9	245.1	45,200*	46.7	253.1	43,700	51.9	259.0	40,400	59.8	265.2	34,900							110
115	32.3	230.9	35,500*	37.0	238.8	42,300*	43.3	248.0	41,000	48.8	254.8	37,900	57.0	262.1	32,700							115
120	27.4	222.0	33,800*	32.8	231.5	39,800*	39.6	242.2	38,600	45.5	250.0	35,600	54.1	258.6	30,700							120
125	21.4	210.6	32,500*	28.0	222.7	37,600*	35.6	235.6	36,400	42.0	244.7	33,500	51.1	254.7	28,800							125
130	13.1	193.9	31,900*	22.2	211.7	35,900*	31.2	227.8	34,300	38.3	238.7	31,600	47.9	250.3	27,100	56.0	256.5	22,700				130
135				14.3	196.0	34,800*	26.2	218.5	32,400	34.2	231.7	29,800	44.6	245.4	25,500	53.1	252.9	21,300				135
140							19.9	206.3	30,600	29.6	223.4	28,200	41.0	239.9	24,100	50.0	248.8	20,000				140
145							10.4	187.0	28,900	24.2	213.3	26,600	37.2	233.6	22,700	46.8	244.3	18,800				145
150										17.2	199.6	25,200	32.9	226.3	21,400	43.3	239.2	17,700	51.7	245.6	14,000	150
155													28.1	217.6	20,200	39.7	233.4	16,600	48.6	241.4	13,100	155
160													22.4	206.7	19,100	35.7	226.8	15,700	45.3	236.6	12,300	160
165													14.7	191.3	18,000	31.3	219.0	14,700	41.8	231.2	11,500	165
170																26.3	209.7	13,800	38.0	225.1	10,700	170
175																20.1	197.7	13,000	33.9	218.0	10,000	175
180																10.7	178.7	12,100	29.2	209.7	9,300	180
185																			23.8	199.4	8,600	185
190																			16.6	185.3	8,000	190



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

160 Ft. Boom, 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	74,100*																70
75	62.0	282.2	58,300*	64.8	284.6	70,100*	68.8	287.4	73,000													75
80	59.5	279.3	55,000*	62.3	282.1	66,000*	66.4	285.3	67,000													80
85	56.9	276.1	51,400*	59.8	279.3	62,000*	63.9	282.9	61,700	68.0	285.3	57,200										85
90	54.2	272.6	47,900*	57.2	276.1	58,000*	61.4	280.3	57,100	65.5	283.1	52,900										90
95	51.4	268.7	44,800*	54.5	272.7	54,300*	58.9	277.3	53,000	63.1	280.7	49,100										95
100	48.5	264.4	42,000*	51.7	268.8	50,800*	56.3	274.1	49,400	60.6	277.9	45,700										100
105	45.4	259.7	39,300*	48.8	264.6	47,500*	53.6	270.5	46,200	58.0	274.9	42,600										105
110	42.2	254.3	36,800*	45.8	259.9	44,500*	50.7	266.5	43,200	55.3	271.5	39,900	62.4	276.7	34,400							110
115	38.8	248.4	34,600*	42.6	254.6	41,800*	47.8	262.1	40,600	52.6	267.8	37,400	59.8	273.9	32,100							115
120	35.0	241.6	32,700*	39.2	248.7	39,200*	44.7	257.3	38,200	49.7	263.7	35,100	57.2	270.8	30,100							120
125	30.9	233.7	31,000*	35.5	242.0	36,800*	41.5	251.8	36,000	46.8	259.1	33,100	54.6	267.3	28,300							125
130	26.2	224.3	29,700*	31.4	234.3	34,800*	38.0	245.7	33,900	43.6	254.1	31,200	51.8	263.5	26,600							130
135	20.6	212.4	28,700*	26.8	225.1	33,100*	34.2	238.7	32,100	40.3	248.4	29,400	48.9	259.2	25,000	56.3	265.2	20,700				135
140	12.6	195.0	28,200*	21.3	213.6	31,700*	30.0	230.5	30,300	36.7	242.0	27,800	45.9	254.6	23,600	53.6	261.6	19,400				140
145				13.7	197.2	30,900*	25.1	220.7	28,700	32.8	234.6	26,300	42.7	249.3	22,200	50.8	257.7	18,300				145
150							19.1	208.0	27,100	28.4	226.0	24,800	39.3	243.5	21,000	47.9	253.3	17,100				150
155							10.0	187.9	25,700	23.2	215.3	23,500	35.6	236.8	19,800	44.8	248.4	16,100	52.4	254.4	12,500	155
160										16.5	201.1	22,200	31.6	229.1	18,700	41.5	243.0	15,100	49.5	250.3	11,700	160
165													27.0	220.0	17,600	38.1	236.8	14,200	46.5	245.7	10,900	165
170													21.5	208.6	16,700	34.3	229.9	13,400	43.4	240.6	10,200	170
175													14.1	192.5	15,700	30.1	221.7	12,600	40.1	234.9	9,400	175
180																25.2	211.9	11,800	36.4	228.4	8,800	180
185																19.2	199.4	11,000	32.5	221.0	8,100	185
190																10.2	179.6	10,300	28.0	212.2	7,500	190
195																			22.8	201.4	6,900	195
200																			16.0	186.7	6,400	200



Liftcrane Luffing Jib Capacities

999 SERIES 3

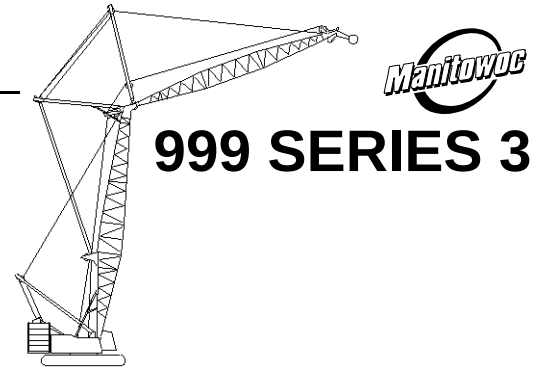
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



160 Ft. Boom, 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	75.1	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	66,800*	70.4	298.1	70,400*													75
80	61.9	290.8	53,200*	64.4	293.3	63,300*	68.2	296.2	66,300													80
85	59.5	287.9	49,900*	62.1	290.8	59,800*	65.9	294.0	61,000													85
90	57.1	284.8	46,700*	59.8	287.9	56,400*	63.7	291.6	56,400	67.4	294.1	52,100										90
95	54.6	281.3	43,700*	57.4	284.8	53,000*	61.3	288.9	52,300	65.2	291.8	48,300										95
100	52.0	277.5	41,000*	54.9	281.4	49,700*	59.0	286.0	48,700	62.9	289.3	44,900										100
105	49.4	273.4	38,500*	52.3	277.6	46,600*	56.5	282.8	45,500	60.5	286.6	41,900										105
110	46.6	268.8	36,200*	49.7	273.5	43,700*	54.0	279.2	42,600	58.1	283.6	39,200										110
115	43.7	263.7	34,000*	46.9	269.0	41,000*	51.4	275.4	40,000	55.7	280.2	36,700	62.2	285.4	31,300							115
120	40.6	258.1	32,000*	44.0	263.9	38,500*	48.8	271.1	37,500	53.1	276.6	34,400	59.9	282.5	29,300							120
125	37.3	251.8	30,200*	40.9	258.4	36,400*	46.0	266.4	35,400	50.5	272.6	32,400	57.4	279.4	27,500							125
130	33.7	244.6	28,700*	37.7	252.2	34,300*	43.0	261.2	33,300	47.8	268.2	30,500	55.0	276.0	25,800							130
135	29.8	236.4	27,300*	34.1	245.1	32,300*	39.9	255.5	31,500	44.9	263.3	28,800	52.4	272.3	24,300							135
140	25.3	226.5	26,200*	30.2	237.0	30,700*	36.5	249.0	29,700	41.9	257.9	27,100	49.8	268.2	22,800	56.6	273.9	18,600				140
145	19.8	214.2	25,400*	25.8	227.4	29,300*	32.9	241.6	28,100	38.7	251.9	25,600	47.0	263.6	21,500	54.1	270.4	17,400				145
150	12.1	196.0	25,100*	20.5	215.4	28,200*	28.8	233.1	26,600	35.3	245.2	24,200	44.1	258.6	20,300	51.5	266.5	16,300				150
155				13.2	198.3	27,500*	24.2	222.8	25,200	31.5	237.5	22,900	41.1	253.1	19,100	48.8	262.2	15,300				155
160							18.4	209.6	23,900	27.3	228.4	21,700	37.8	246.9	18,000	46.0	257.6	14,400	53.0	263.2	10,800	160
165							9.6	188.7	22,600	22.3	217.3	20,500	34.3	239.9	17,000	43.1	252.4	13,500	43.1	252.4	10,000	165
170										15.9	202.4	19,400	30.4	231.8	16,000	39.9	246.6	12,600	47.6	254.7	9,300	170
175													26.0	222.3	15,100	36.6	240.2	11,800	44.7	249.8	8,600	175
180													20.7	210.4	14,200	33.0	232.8	11,100	41.7	244.4	8,000	180
185													13.5	193.6	13,400	28.9	224.3	10,400	38.5	238.4	7,400	185
190																24.3	214.1	9,700	35.1	231.6	6,800	190
195																18.5	201.0	9,000	31.3	223.8	6,200	195
200																9.8	180.4	8,300	27.0	214.6	5,700	200
205																			21.9	203.3	5,100	205
210																			15.4	188.0	4,600	210



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

160 Ft. Boom, 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	
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	60,600*	69.7	306.9	64,400*													80
85	61.7	299.5	48,300*	64.1	302.0	57,600*	67.6	304.9	60,800													85
90	59.5	296.6	45,400*	62.0	299.4	54,500*	65.5	302.7	56,200													90
95	57.3	293.5	42,700*	59.8	296.6	51,500*	63.4	300.3	52,100	66.9	302.8	48,100										95
100	55.0	290.1	40,100*	57.5	293.5	48,600*	61.3	297.6	48,500	64.8	300.5	44,700										100
105	52.6	286.3	37,700*	55.2	290.1	45,700*	59.0	294.7	45,300	62.7	298.0	41,700										105
110	50.1	282.3	35,400*	52.9	286.4	43,000*	56.8	291.5	42,400	60.5	295.2	38,900										110
115	47.6	277.8	33,400*	50.4	282.4	40,400*	54.4	288.0	39,700	58.3	292.2	36,500										115
120	44.9	272.9	31,500*	47.9	278.0	38,100*	52.0	284.2	37,300	56.0	288.9	34,200	62.1	294.0	29,100							120
125	42.1	267.6	29,800*	45.2	273.1	35,800*	49.6	280.0	35,100	53.6	285.3	32,200	59.9	291.2	27,200							125
130	39.1	261.6	28,100*	42.4	267.8	33,800*	47.0	275.5	33,100	51.2	281.4	30,300	57.6	288.1	25,600							130
135	36.0	255.0	26,600*	39.5	262.0	32,000*	44.3	270.5	31,300	48.7	277.1	28,500	55.3	284.7	24,000							135
140	32.5	247.5	25,400*	36.3	255.4	30,300*	41.5	265.0	29,600	46.1	272.5	26,900	52.9	281.1	22,600							140
145	28.7	238.9	24,300*	32.9	248.1	28,600*	38.5	259.0	28,000	43.3	267.3	25,400	50.5	277.0	21,300	56.8	282.6	17,200				145
150	24.4	228.7	23,400*	29.2	239.6	27,300*	35.2	252.2	26,500	40.4	261.6	24,000	48.0	272.6	20,000	54.5	279.1	16,100				150
155	19.1	215.8	22,800*	24.9	229.6	26,100*	31.7	244.5	25,100	37.4	255.3	22,700	45.3	267.8	18,900	52.1	275.3	15,100				155
160	11.7	197.0	22,500*	19.8	217.1	25,200*	27.8	235.5	23,800	34.1	248.3	21,500	42.5	262.6	17,800	49.6	271.2	14,100				160
165				12.7	199.4	24,700*	23.3	224.9	22,500	30.4	240.2	20,400	39.6	256.7	16,800	47.0	266.6	13,200				165
170							17.7	211.1	21,400	26.3	230.7	19,300	36.5	250.2	15,800	44.4	261.7	12,400	51.0	268.0	9,100	170
175							9.2	189.5	20,200	21.5	219.2	18,300	33.1	242.9	14,900	41.5	256.2	11,600	48.5	263.7	8,400	175
180										15.3	203.8	17,300	29.3	234.4	14,100	38.5	250.1	10,900	45.9	259.0	7,700	180
185													25.1	224.5	13,300	35.3	243.4	10,200	43.1	253.8	7,100	185
190													20.0	212.2	12,500	31.8	235.7	9,500	40.2	248.1	6,600	190
195													13.1	194.7	11,700	27.9	226.8	8,800	37.1	241.8	6,000	195
200																23.4	216.2	8,200	33.8	234.6	5,500	200
205																17.9	202.5	7,600	30.2	226.5	5,000	205
210																9.5	181.2	7,000	26.0	216.9	4,500	210
215																			21.2	205.2	4,000	215

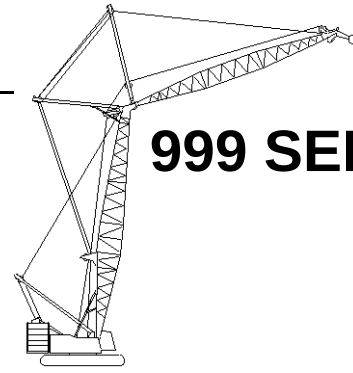


Liftcrane Luffing Jib Capacities

999 SERIES 3

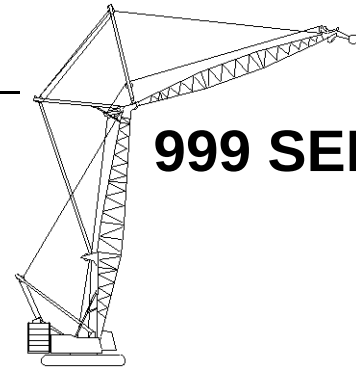
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



160 Ft. Boom, 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	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	58,500*													80
85	63.7	310.8	45,900*	65.9	313.1	55,100*	69.1	315.7	58,500*													85
90	61.6	308.1	44,000*	63.9	310.7	52,400*	67.2	313.7	55,500													90
95	59.6	305.3	41,500*	61.9	308.1	49,800*	65.2	311.4	51,400													95
100	57.5	302.2	39,100*	59.8	305.2	47,100*	63.2	308.9	47,800	66.5	311.5	43,900										100
105	55.3	298.8	36,800*	57.7	302.2	44,600*	61.2	306.2	44,600	64.5	309.2	40,900										105
110	53.1	295.1	34,700*	55.5	298.8	42,100*	59.1	303.3	41,700	62.5	306.7	38,200										110
115	50.8	291.1	32,700*	53.3	295.2	39,700*	57.0	300.1	39,100	60.5	303.9	35,800										115
120	48.4	286.8	30,900*	51.0	291.2	37,400*	54.8	296.7	36,700	58.4	300.9	33,500										120
125	46.0	282.1	29,200*	48.7	286.9	35,300*	52.6	293.0	34,500	56.2	297.6	31,500	61.9	302.7	26,400							125
130	43.4	276.9	27,600*	46.2	282.3	33,300*	50.3	288.9	32,500	54.0	294.1	29,600	59.9	299.9	24,800							130
135	40.7	271.3	26,200*	43.7	277.2	31,500*	47.9	284.5	30,700	51.8	290.2	27,900	57.8	296.8	23,200							135
140	37.8	265.1	24,800*	41.0	271.6	29,800*	45.4	279.7	29,000	49.4	286.1	26,300	55.6	293.4	21,800							140
145	34.8	258.2	23,600*	38.2	265.5	28,300*	42.8	274.5	27,400	47.0	281.5	24,800	53.4	289.8	20,500							145
150	31.5	250.4	22,600*	35.1	258.6	26,900*	40.1	268.7	25,900	44.5	276.6	23,400	51.1	285.9	19,300	57.0	291.3	15,300				150
155	27.8	241.4	21,700*	31.8	250.9	25,500*	37.2	262.3	24,500	41.9	271.2	22,100	48.8	281.6	18,200	54.9	287.8	14,300				155
160	23.6	230.8	21,000*	28.2	242.1	24,400*	34.1	255.2	23,200	39.1	265.2	20,900	46.3	277.0	17,100	52.6	284.1	13,300				160
165	18.5	217.4	20,400*	24.1	231.7	23,400*	30.7	247.2	22,000	36.1	258.6	19,800	43.8	271.9	16,100	50.3	280.0	12,500				165
170	11.3	198.0	20,300*	19.1	218.8	22,700*	26.9	237.9	20,900	32.9	251.2	18,700	41.1	266.3	15,100	47.9	275.6	11,600				170
175				12.3	200.5	21,800	22.5	226.8	19,800	29.4	242.8	17,700	38.3	260.2	14,300	45.5	270.9	10,900	51.6	276.8	7,600	175
180							17.1	212.6	18,700	25.5	233.0	16,700	35.2	253.4	13,400	42.9	265.6	10,100	49.3	272.6	6,900	180
185							8.9	190.2	17,700	20.8	221.0	15,800	32.0	245.7	12,600	40.1	259.9	9,400	46.9	268.1	6,300	185
190										14.8	205.0	14,900	28.4	237.0	11,900	37.2	253.5	8,800	44.3	263.1	5,800	190
195													24.2	226.6	11,100	34.1	246.4	8,100	41.7	257.7	5,200	195
200													19.3	213.8	10,400	30.8	238.4	7,500	38.9	251.7	4,700	200
205													12.6	195.8	9,700	27.0	229.2	7,000	35.9	245.0	4,200	205
210																22.6	218.1	6,400				210
215																17.3	204.0	5,900				215
220																9.2	181.9	5,300				220



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

160 Ft. Boom, 170 Ft. 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	74.3	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	52,700*	70.4	326.4	53,400*													85
90	63.4	319.5	42,400*	65.5	321.8	50,500*	68.6	324.5	53,400*													90
95	61.5	316.8	40,500*	63.7	319.4	48,200*	66.8	322.4	50,900													95
100	59.6	313.9	38,300*	61.8	316.8	45,900*	64.9	320.1	47,300	68.0	322.4	43,400										100
105	57.6	310.8	36,200*	59.8	313.9	43,600*	63.0	317.6	44,100	66.1	320.3	40,400										105
110	55.6	307.5	34,200*	57.8	310.8	41,400*	61.1	314.9	41,200	64.3	317.9	37,700										110
115	53.5	303.9	32,400*	55.8	307.5	39,200*	59.2	312.0	38,600	62.4	315.3	35,200										115
120	51.4	299.9	30,600*	53.7	303.9	37,100*	57.2	308.8	36,200	60.4	312.6	33,000										120
125	49.2	295.7	28,900*	51.6	300.0	35,100*	55.1	305.4	34,000	58.5	309.6	30,900										125
130	46.9	291.2	27,400*	49.4	295.9	33,200*	53.0	301.7	32,000	56.5	306.3	29,100	61.8	311.4	24,200							130
135	44.5	286.2	26,000*	47.1	291.3	31,400*	50.9	297.8	30,200	54.4	302.8	27,400	59.9	308.5	22,700							135
140	42.0	280.8	24,700*	44.8	286.4	29,700*	48.7	293.5	28,500	52.3	299.0	25,800	57.9	305.5	21,300							140
145	39.4	274.9	23,500*	42.3	281.1	28,200*	46.4	288.8	26,900	50.1	295.0	24,300	55.9	302.1	20,000							145
150	36.6	268.4	22,300*	39.7	275.2	26,800*	44.0	283.8	25,400	47.9	290.5	22,900	53.8	298.6	18,700							150
155	33.7	261.2	21,300*	37.0	268.8	25,500*	41.5	278.3	24,100	45.5	285.8	21,600	51.7	294.7	17,600	57.2	299.9	13,700				155
160	30.5	253.1	20,400*	34.0	261.7	24,300*	38.8	272.2	22,800	43.1	280.6	20,400	49.5	290.5	16,600	55.2	296.5	12,800				160
165	26.9	243.8	19,700*	30.9	253.7	23,100*	36.0	265.6	21,600	40.6	274.9	19,300	47.2	286.0	15,600	53.1	292.9	11,900				165
170	22.8	232.8	19,100*	27.3	244.6	22,200*	33.0	258.2	20,400	37.9	268.7	18,200	44.9	281.1	14,600	50.9	288.9	11,100				170
175	17.9	219.0	18,700*	23.3	233.8	21,400*	29.7	249.9	19,400	35.0	261.8	17,200	42.4	275.8	13,700	48.7	284.6	10,300				175
180	10.9	198.9	18,600*	18.5	220.4	20,400	26.1	240.2	18,400	31.9	254.1	16,300	39.8	270.0	12,900	46.4	280.0	9,600	52.1	285.6	6,300	180
185				11.9	201.5	19,300	21.9	228.8	17,400	28.5	245.3	15,400	37.1	263.6	12,100	44.0	274.9	8,900	50.0	281.5	5,700	185
190							16.6	214.1	16,500	24.7	235.2	14,600	34.1	256.5	11,400	41.5	269.4	8,200	47.7	277.1	5,200	190
195							8.6	190.9	15,500	20.2	222.8	13,700	31.0	248.5	10,700	38.9	263.4	7,600	45.4	272.3	4,700	195
200										14.4	206.3	12,900	27.5	239.4	10,000	36.1	256.8	7,000	42.9	267.1	4,100	200
205													23.5	228.7	9,300	33.1	249.4	6,500				205
210													18.7	215.5	8,700	29.8	241.1	5,900				210
215													12.2	196.9	8,100	26.2	231.5	5,400				215
220																21.9	220.1	4,900				220
225																16.7	205.5	4,400				225

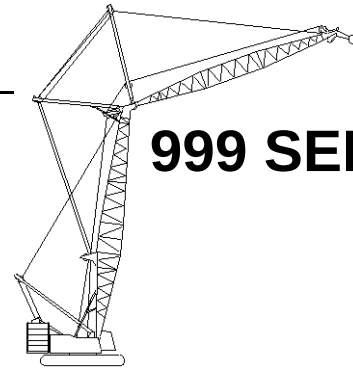


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



160 Ft. Boom, 180 Ft. Jib

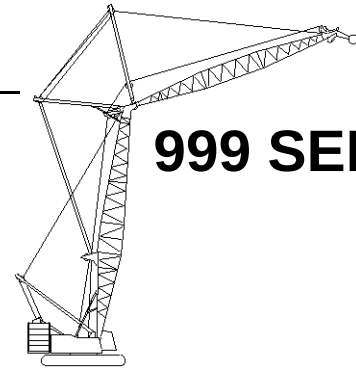
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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	75.2	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	48,000*	69.8	335.2	48,700*										90
95	63.3	328.1	38,900*	65.2	330.5	46,100*	68.1	333.2	48,700*										95
100	61.4	325.5	37,100*	63.5	328.1	44,100*	66.4	331.1	46,700										100
105	59.6	322.6	35,200*	61.7	325.4	42,100*	64.6	328.8	43,400	67.5	331.2	39,600							105
110	57.7	319.5	33,300*	59.8	322.6	40,100*	62.9	326.3	40,600	65.8	329.0	36,900							110
115	55.8	316.2	31,600*	58.0	319.5	38,100*	61.0	323.6	37,900	64.0	326.6	34,500							115
120	53.9	312.6	29,900*	56.1	316.2	36,200*	59.2	320.6	35,600	62.2	324.0	32,300							120
125	51.9	308.8	28,300*	54.1	312.7	34,400*	57.3	317.5	33,400	60.4	321.2	30,200							125
130	49.8	304.6	26,900*	52.1	308.8	32,600*	55.4	314.1	31,400	58.6	318.2	28,400							130
135	47.7	300.2	25,500*	50.0	304.7	30,900*	53.4	310.5	29,600	56.7	315.0	26,700	61.7	320.0	21,900				135
140	45.5	295.4	24,200*	47.9	300.3	29,300*	51.4	306.6	27,900	54.7	311.5	25,100	59.9	317.2	20,500				140
145	43.2	290.2	23,100*	45.7	295.6	27,800*	49.3	302.4	26,300	52.7	307.8	23,600	58.0	314.1	19,200				145
150	40.8	284.5	21,900*	43.4	290.4	26,400*	47.2	297.9	24,800	50.7	303.8	22,200	56.1	310.8	18,000				150
155	38.2	278.4	20,900*	41.0	284.8	25,100*	45.0	293.0	23,500	48.6	299.5	21,000	54.2	307.3	16,900				155
160	35.6	271.6	19,900*	38.5	278.7	23,900*	42.6	287.7	22,200	46.4	294.9	19,800	52.2	303.5	15,800	57.4	308.6	11,900	160
165	32.7	264.1	19,100*	35.9	272.1	22,900*	40.2	281.9	21,000	44.2	289.8	18,700	50.1	299.4	14,800	55.4	305.2	11,100	165
170	29.6	255.7	18,400*	33.0	264.7	21,900*	37.7	275.7	19,900	41.8	284.4	17,600	48.0	295.0	13,900	53.5	301.6	10,300	170
175	26.1	246.1	17,800*	30.0	256.4	20,900*	35.0	268.8	18,800	39.4	278.5	16,600	45.8	290.3	13,000	51.5	297.7	9,500	175
180	22.2	234.7	17,300*	26.6	246.9	19,900	32.0	261.1	17,800	36.7	272.0	15,700	43.5	285.1	12,200	49.4	293.5	8,800	180
185	17.4	220.5	16,900*	22.7	235.8	18,900	28.9	252.4	16,800	34.0	264.8	14,800	41.1	279.6	11,400	47.2	289.0	8,100	185
190	10.6	199.8	16,900*	18.0	222.0	17,900	25.3	242.5	15,900	31.0	256.9	14,000	38.6	273.5	10,700	45.0	284.1	7,500	190
195				11.6	202.5	16,900	21.2	230.6	15,100	27.7	247.8	13,200	36.0	266.8	10,000	42.7	278.9	6,900	195
200							16.1	215.5	14,200	24.0	237.3	12,400	33.1	259.5	9,300	40.3	273.1	6,300	200
205							8.4	191.6	13,400	19.6	224.5	11,700	30.1	251.2	8,700	37.7	266.8	5,700	205
210										14.0	207.5	10,900	26.7	241.8	8,100	35.0	260.0	5,200	210
215													22.8	230.7	7,500	32.1	252.3	4,700	215
220													18.2	217.1	6,900	28.9	243.7	4,200	220
225													11.9	197.9	6,300				225



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

160 Ft. Boom, 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	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	44,300*										90
95	64.8	339.3	36,100*	66.6	341.5	43,900*	69.3	344.0	44,300*										95
100	63.1	336.8	35,500*	65.0	339.2	42,200*	67.7	342.0	44,300*										100
105	61.4	334.1	34,100*	63.3	336.7	40,500*	66.1	339.8	43,100										105
110	59.6	331.3	32,400*	61.6	334.1	38,700*	64.4	337.5	40,300	67.1	339.9	36,600							110
115	57.9	328.2	30,800*	59.8	331.2	37,000*	62.7	334.9	37,600	65.5	337.7	34,200							115
120	56.1	324.9	29,200*	58.1	328.2	35,300*	61.0	332.2	35,300	63.8	335.3	32,000							120
125	54.2	321.3	27,800*	56.3	324.9	33,600*	59.2	329.3	33,100	62.1	332.7	29,900							125
130	52.3	317.6	26,400*	54.4	321.4	32,000*	57.5	326.2	31,100	60.4	329.9	28,100							130
135	50.4	313.5	25,000*	52.5	317.6	30,400*	55.7	322.8	29,300	58.6	326.9	26,400							135
140	48.4	309.2	23,800*	50.6	313.6	28,900*	53.8	319.2	27,600	56.8	323.7	24,800	61.6	328.7	20,200				140
145	46.3	304.5	22,600*	48.6	309.3	27,500*	51.9	315.4	26,000	55.0	320.3	23,300	59.9	325.8	18,900				145
150	44.2	299.5	21,600*	46.6	304.7	26,100*	49.9	311.3	24,500	53.1	316.6	22,000	58.1	322.8	17,700				150
155	42.0	294.0	20,600*	44.4	299.7	24,800*	47.9	306.9	23,200	51.2	312.6	20,700	56.3	319.5	16,600				155
160	39.6	288.2	19,700*	42.2	294.3	23,700*	45.9	302.1	21,900	49.3	308.4	19,500	54.5	316.0	15,500				160
165	37.2	281.8	18,800*	39.9	288.5	22,600*	43.7	297.0	20,700	47.2	303.9	18,400	52.6	312.3	14,500	57.5	317.3	10,800	165
170	34.6	274.7	18,000*	37.5	282.2	21,600*	41.4	291.5	19,600	45.1	299.0	17,300	50.7	308.3	13,600	55.7	313.9	10,000	170
175	31.8	267.0	17,300*	34.9	275.2	20,700*	39.1	285.5	18,500	42.9	293.8	16,300	48.7	304.0	12,700	53.8	310.4	9,200	175
180	28.8	258.3	16,700*	32.1	267.6	19,700	36.6	279.0	17,500	40.6	288.1	15,400	46.6	299.3	11,900	51.9	306.5	8,500	180
185	25.4	248.4	16,100*	29.1	259.0	18,600	34.0	271.8	16,600	38.3	282.0	14,500	44.5	294.4	11,200	50.0	302.4	7,800	185
190	21.6	236.6	15,700*	25.8	249.2	17,700	31.2	263.9	15,700	35.7	275.2	13,700	42.3	289.0	10,400	48.0	298.0	7,200	190
195	16.9	222.0	15,500*	22.0	237.7	16,800	28.1	254.9	14,800	33.0	267.8	12,900	40.0	283.2	9,700	45.9	293.3	6,600	195
200	10.3	200.7	15,000*	17.5	223.5	15,900	24.6	244.7	14,000	30.1	259.5	12,200	37.6	276.9	9,100	43.7	288.2	6,000	200
205				11.3	203.4	15,000	20.6	232.4	13,300	26.9	250.2	11,400	35.0	270.0	8,400	41.5	282.7	5,500	205
210							15.7	216.8	12,500	23.3	239.3	10,800	32.2	262.4	7,800	39.1	276.7	4,900	210
215							8.1	192.3	11,700	19.1	226.2	10,100	29.2	253.8	7,300	36.7	270.2	4,400	215
220										13.6	208.6	9,400	25.9	244.1	6,700	34.0	263.0	4,000	220
225													22.2	232.7	6,200				225
230													17.7	218.6	5,600				230
235													11.5	198.9	5,100				235



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



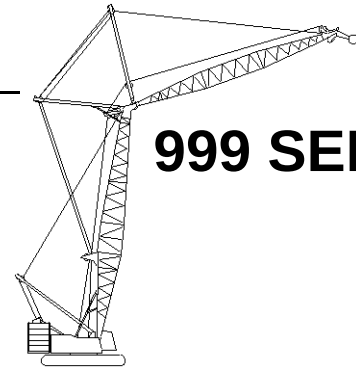
160 Ft. Boom, 200 Ft. Jib

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	75.3	361.1	37,000*																65
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	40,300*										95
100	64.5	348.0	33,400*	66.3	350.2	40,200*	68.9	352.8	40,300*										100
105	62.9	345.5	32,900*	64.7	347.9	38,700*	67.3	350.7	40,200*										105
110	61.3	342.8	31,300*	63.1	345.4	37,200*	65.8	348.5	39,600										110
115	59.7	339.9	29,900*	61.5	342.7	35,600*	64.2	346.2	37,000	66.8	348.6	33,500							115
120	58.0	336.8	28,400*	59.8	339.9	34,100*	62.6	343.6	34,600	65.2	346.4	31,300							120
125	56.3	333.6	27,000*	58.2	336.8	32,600*	60.9	340.9	32,500	63.6	343.9	29,200							125
130	54.5	330.1	25,800*	56.5	333.6	31,100*	59.3	338.0	30,500	62.0	341.3	27,400							130
135	52.7	326.3	24,500*	54.7	330.1	29,700*	57.6	334.9	28,600	60.4	338.5	25,700							135
140	50.9	322.3	23,300*	52.9	326.4	28,300*	55.9	331.5	26,900	58.7	335.6	24,100							140
145	49.0	318.1	22,200*	51.1	322.4	27,000*	54.1	328.0	25,400	57.0	332.4	22,600	61.5	337.3	18,100				145
150	47.1	313.5	21,100*	49.2	318.2	25,700*	52.3	324.2	23,900	55.3	329.0	21,300	59.9	334.5	17,000				150
155	45.1	308.7	20,200*	47.3	313.7	24,500*	50.5	320.1	22,600	53.5	325.3	20,000	58.2	331.5	15,800				155
160	43.0	303.4	19,300*	45.3	308.9	23,300*	48.6	315.8	21,300	51.7	321.5	18,800	56.5	328.2	14,800				160
165	40.8	297.8	18,500*	43.2	303.7	22,300*	46.6	311.2	20,100	49.8	317.3	17,700	54.8	324.7	13,800				165
170	38.6	291.7	17,700*	41.1	298.1	21,300*	44.6	306.2	19,000	47.9	312.9	16,700	53.0	321.1	12,900	57.6	326.0	9,200	170
175	36.2	285.0	17,000*	38.8	292.0	20,200	42.5	300.9	17,900	45.9	308.2	15,700	51.2	317.1	12,000	55.9	322.6	8,400	175
180	33.7	277.8	16,200*	36.5	285.5	19,100	40.3	295.2	17,000	43.9	303.1	14,800	49.3	312.9	11,200	54.2	319.1	7,700	180
185	31.0	269.8	15,600*	34.0	278.3	18,100	38.1	289.0	16,000	41.8	297.6	13,900	47.4	308.4	10,500	52.4	315.3	7,100	185
190	28.0	260.8	15,100*	31.3	270.4	17,200	35.7	282.2	15,100	39.6	291.7	13,100	45.4	303.6	9,700	50.5	311.3	6,400	190
195	24.8	250.5	14,700*	28.4	261.5	16,300	33.1	274.8	14,300	37.2	285.3	12,300	43.3	298.4	9,000	48.6	307.0	5,800	195
200	21.0	238.5	14,300*	25.1	251.4	15,400	30.3	266.6	13,500	34.8	278.4	11,600	41.2	292.8	8,400	46.7	302.3	5,300	200
205	16.5	223.4	14,100*	21.5	239.6	14,600	27.3	257.4	12,700	32.2	270.7	10,900	38.9	286.8	7,800	44.7	297.4	4,700	205
210	10.0	201.5	12,900*	17.0	225.0	13,800	24.0	246.8	12,000	29.3	262.2	10,200	36.6	280.2	7,200	42.6	292.1	4,200	210
215				11.0	204.4	13,000	20.1	234.2	11,300	26.2	252.5	9,500	34.1	273.1	6,600				215
220							15.3	218.2	10,600	22.7	241.3	8,900	31.4	265.2	6,100				220
225							7.9	193.0	9,900	18.6	227.8	8,300	28.5	256.3	5,500				225
230										13.2	209.8	7,700	25.3	246.3	5,000				230
235													21.6	234.6	4,500				235
240													17.2	220.1	4,100				240

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

160 Ft. Boom, 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	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	36,700*										100
105	64.3	356.7	30,700*	66.0	358.9	36,900*	68.5	361.6	36,600*										105
110	62.8	354.1	30,000*	64.5	356.6	35,600*	67.0	359.5	36,500*										110
115	61.2	351.5	28,900*	63.0	354.1	34,300*	65.5	357.2	36,500*	68.0	359.5	32,900							115
120	59.7	348.6	27,600*	61.4	351.4	32,900*	64.0	354.8	34,100	66.5	357.4	30,700							120
125	58.1	345.5	26,300*	59.8	348.5	31,600*	62.5	352.3	31,900	65.0	355.1	28,700							125
130	56.4	342.3	25,100*	58.3	345.5	30,300*	60.9	349.5	30,000	63.5	352.6	26,900							130
135	54.8	338.8	24,000*	56.6	342.3	29,000*	59.3	346.6	28,100	61.9	350.0	25,200							135
140	53.1	335.1	22,900*	55.0	338.8	27,700*	57.7	343.5	26,400	60.4	347.2	23,600							140
145	51.3	331.2	21,800*	53.3	335.2	26,400*	56.1	340.2	24,900	58.8	344.2	22,100	63.0	348.7	17,600				145
150	49.6	327.0	20,800*	51.6	331.3	25,300*	54.4	336.7	23,400	57.1	341.0	20,800	61.5	346.0	16,400				150
155	47.7	322.5	19,900*	49.8	327.1	24,100*	52.7	333.0	22,100	55.5	337.7	19,500	59.9	343.2	15,300				155
160	45.9	317.8	18,900*	48.0	322.7	23,000*	51.0	329.0	20,800	53.8	334.1	18,300	58.3	340.1	14,200				160
165	43.9	312.7	18,100*	46.1	318.0	22,000*	49.2	324.7	19,600	52.1	330.3	17,200	56.7	336.9	13,300				165
170	41.9	307.3	17,400*	44.1	312.9	20,800	47.3	320.2	18,500	50.3	326.2	16,200	55.0	333.5	12,400				170
175	39.8	301.4	16,700*	42.1	307.5	19,700	45.4	315.4	17,500	48.5	321.9	15,200	53.3	329.8	11,500	57.7	334.6	7,900	175
180	37.6	295.1	16,000*	40.0	301.7	18,700	43.5	310.2	16,500	46.7	317.2	14,300	51.6	325.9	10,700	56.1	331.3	7,200	180
185	35.3	288.2	15,400*	37.9	295.5	17,700	41.4	304.7	15,500	44.8	312.3	13,400	49.8	321.8	9,900	54.4	327.8	6,500	185
190	32.8	280.7	14,800*	35.6	288.7	16,700	39.3	298.8	14,700	42.8	307.0	12,600	48.0	317.4	9,200	52.7	324.1	5,900	190
195	30.2	272.5	14,300*	33.1	281.3	15,800	37.1	292.3	13,800	40.7	301.4	11,800	46.1	312.7	8,500	51.0	320.1	5,300	195
200	27.3	263.2	13,800*	30.5	273.1	15,000	34.8	285.3	13,000	38.6	295.2	11,100	44.2	307.6	7,900	49.2	315.9	4,700	200
205	24.1	252.7	13,400*	27.7	264.0	14,200	32.3	277.7	12,300	36.3	288.6	10,400	42.2	302.2	7,200	47.4	311.4	4,200	205
210	20.5	240.3	13,200*	24.5	253.6	13,400	29.6	269.2	11,500	33.9	281.4	9,700	40.1	296.5	6,700				210
215	16.1	224.8	13,000*	20.9	241.4	12,600	26.7	259.7	10,900	31.4	273.5	9,100	37.9	290.2	6,100				215
220	9.8	202.4	11,000*	16.6	226.4	11,900	23.4	248.8	10,200	28.6	264.7	8,400	35.6	283.4	5,600				220
225				10.7	205.3	11,200	19.6	235.9	9,500	25.6	254.8	7,900	33.2	276.0	5,000				225
230							14.9	219.4	8,900	22.1	243.3	7,300	30.6	267.9	4,500				230
235							7.7	193.6	8,300	18.1	229.4	6,700	27.8	258.8	4,100				235
240										12.9	210.9	6,200							240



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



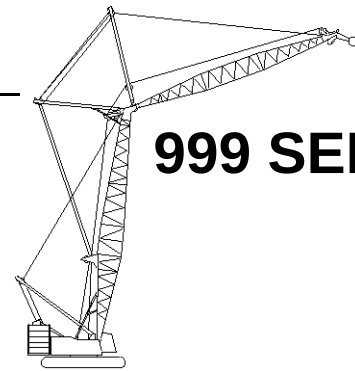
160 Ft. Boom, 220 Ft. Jib

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	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	33,300*										105
110	64.1	365.4	28,100*	65.7	367.6	33,800*	68.1	370.3	33,200*										110
115	62.7	362.8	27,700*	64.3	365.3	32,700*	66.7	368.2	33,100*										115
120	61.2	360.1	26,600*	62.8	362.7	31,500*	65.3	365.9	32,900*	67.6	368.3	30,000							120
125	59.7	357.2	25,500*	61.4	360.1	30,400*	63.8	363.5	31,300	66.2	366.1	28,000							125
130	58.2	354.2	24,400*	59.9	357.2	29,200*	62.3	360.9	29,300	64.8	363.8	26,200							130
135	56.6	350.9	23,300*	58.3	354.2	28,000*	60.9	358.2	27,500	63.3	361.3	24,500							135
140	55.0	347.5	22,300*	56.8	351.0	26,900*	59.3	355.3	25,800	61.8	358.7	22,900							140
145	53.4	343.9	21,300*	55.2	347.5	25,800*	57.8	352.2	24,300	60.3	355.9	21,400							145
150	51.8	340.0	20,300*	53.6	343.9	24,700*	56.3	348.9	22,800	58.8	352.9	20,100	62.9	357.4	15,600				150
155	50.1	335.9	19,400*	52.0	340.1	23,600*	54.7	345.4	21,500	57.3	349.7	18,800	61.4	354.7	14,500				155
160	48.4	331.5	18,600*	50.3	336.0	22,600*	53.1	341.7	20,200	55.7	346.4	17,700	59.9	351.8	13,500				160
165	46.6	326.9	17,800*	48.6	331.7	21,500	51.4	337.8	19,000	54.1	342.8	16,600	58.4	348.8	12,500				165
170	44.7	321.9	17,000*	46.8	327.0	20,300	49.7	333.6	17,900	52.5	339.0	15,500	56.8	345.6	11,600				170
175	42.9	316.6	16,300*	45.0	322.1	19,200	48.0	329.2	16,900	50.8	335.0	14,600	55.3	342.2	10,800				175
180	40.9	311.0	15,600*	43.1	316.9	18,100	46.2	324.5	15,900	49.1	330.8	13,600	53.7	338.6	10,000	57.9	343.3	6,400	180
185	38.8	304.9	15,100*	41.1	311.3	17,100	44.3	319.5	14,900	47.4	326.3	12,800	52.0	334.7	9,200	56.3	340.0	5,700	185
190	36.7	298.4	14,500*	39.1	305.3	16,200	42.4	314.1	14,100	45.5	321.5	12,000	50.3	330.7	8,500	54.7	336.6	5,100	190
195	34.4	291.3	14,000*	36.9	298.8	15,300	40.4	308.4	13,200	43.7	316.3	11,200	48.6	326.3	7,800	53.1	332.9	4,500	195
200	32.0	283.6	13,400*	34.7	291.8	14,400	38.4	302.3	12,400	41.7	310.9	10,500	46.8	321.7	7,200	51.4	328.9	4,000	200
205	29.5	275.1	13,000*	32.3	284.2	13,600	36.2	295.6	11,700	39.7	305.0	9,800	45.0	316.8	6,600				205
210	26.7	265.6	12,600*	29.8	275.7	12,900	33.9	288.4	11,000	37.6	298.7	9,100	43.1	311.6	6,000				210
215	23.6	254.8	12,300*	27.0	266.4	12,100	31.5	280.5	10,300	35.4	291.8	8,500	41.2	306.0	5,400				215
220	20.0	242.0	12,000*	23.9	255.7	11,400	28.9	271.8	9,600	33.1	284.4	7,800	39.2	300.0	4,900				220
225	15.7	226.2	11,200*	20.4	243.2	10,700	26.0	262.0	9,000	30.6	276.2	7,300	37.0	293.6	4,400				225
230	9.5	203.2	9,200*	16.2	227.9	10,100	22.8	250.9	8,400	27.9	267.2	6,700							230
235				10.4	206.2	9,400	19.1	237.6	7,800	25.0	257.0	6,200							235
240							14.6	220.7	7,200	21.6	245.2	5,600							240
245							7.5	194.3	6,600	17.7	230.9	5,100							245
250										12.6	212.0	4,600							250

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

160 Ft. Boom, 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	75.9	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	31,900*							105
110	65.3	376.4	26,100*	66.9	378.6	30,900*	69.1	381.1	31,800*							110
115	63.9	374.0	25,400*	65.5	376.3	29,800*	67.8	379.1	31,700*							115
120	62.6	371.5	24,400*	64.1	374.0	28,800*	66.4	376.9	31,500*							120
125	61.1	368.8	23,400*	62.7	371.4	27,700*	65.0	374.6	30,900	67.3	377.0	27,600				125
130	59.7	365.9	22,400*	61.3	368.7	26,700*	63.6	372.2	28,900	65.9	374.8	25,700				130
135	58.2	362.9	21,400*	59.9	365.9	25,600*	62.2	369.6	27,100	64.6	372.5	24,000				135
140	56.8	359.6	20,500*	58.4	362.8	24,600*	60.8	366.9	25,400	63.2	370.0	22,500				140
145	55.2	356.2	19,600*	56.9	359.6	23,600*	59.4	364.0	23,800	61.8	367.3	21,000				145
150	53.7	352.6	18,800*	55.4	356.2	22,700*	57.9	360.9	22,400	60.3	364.5	19,700				150
155	52.1	348.8	17,900*	53.9	352.7	21,700*	56.4	357.6	21,000	58.9	361.5	18,400	62.8	366.0	14,100	155
160	50.5	344.7	17,200*	52.3	348.9	20,800*	54.9	354.1	19,800	57.4	358.4	17,200	61.3	363.3	13,100	160
165	48.9	340.4	16,400*	50.7	344.8	19,900*	53.4	350.5	18,600	55.9	355.1	16,100	59.9	360.5	12,100	165
170	47.2	335.9	15,700*	49.1	340.6	19,100*	51.8	346.6	17,500	54.4	351.5	15,100	58.5	357.5	11,200	170
175	45.5	331.1	15,100*	47.4	336.1	18,300*	50.2	342.5	16,500	52.8	347.8	14,100	57.0	354.3	10,400	175
180	43.7	326.0	14,500*	45.7	331.3	17,500*	48.5	338.2	15,500	51.2	343.9	13,200	55.5	350.9	9,600	180
185	41.9	320.5	13,900*	43.9	326.2	16,700	46.8	333.6	14,500	49.6	339.7	12,400	53.9	347.3	8,800	185
190	39.9	314.7	13,300*	42.1	320.8	15,800	45.1	328.7	13,700	48.0	335.3	11,600	52.4	343.5	8,100	190
195	37.9	308.4	12,800*	40.2	315.0	14,900	43.3	323.5	12,800	46.2	330.6	10,800	50.8	339.5	7,400	195
200	35.9	301.7	12,400*	38.2	308.8	14,100	41.4	317.9	12,100	44.5	325.6	10,100	49.2	335.3	6,800	200
205	33.7	294.4	12,000*	36.1	302.1	13,300	39.5	312.0	11,300	42.7	320.3	9,400	47.5	330.7	6,200	205
210	31.3	286.4	11,600*	33.9	294.9	12,500	37.5	305.7	10,600	40.8	314.6	8,700	45.8	326.0	5,600	210
215	28.8	277.7	11,200*	31.6	287.0	11,800	35.4	298.8	9,900	38.8	308.5	8,100	44.0	320.9	5,000	215
220	26.1	267.9	11,000*	29.1	278.3	11,100	33.2	291.4	9,300	36.8	302.0	7,500	42.1	315.5	4,500	220
225	23.0	256.8	10,700*	26.4	268.7	10,400	30.8	283.3	8,600	34.6	295.0	6,900	40.2	309.7	4,000	225
230	19.6	243.7	10,300*	23.4	257.8	9,800	28.2	274.3	8,000	32.3	287.3	6,300				230
235	15.3	227.5	9,500*	20.0	245.0	9,100	25.4	264.3	7,500	29.9	278.9	5,800				235
240	9.3	204.0	7,700*	15.9	229.2	8,500	22.3	252.8	6,900	27.3	269.6	5,300				240
245				10.2	207.1	7,900	18.7	239.2	6,400	24.4	259.1	4,800				245
250							14.2	221.9	5,900	21.1	247.0	4,300				250
255							7.4	194.9	5,300							255

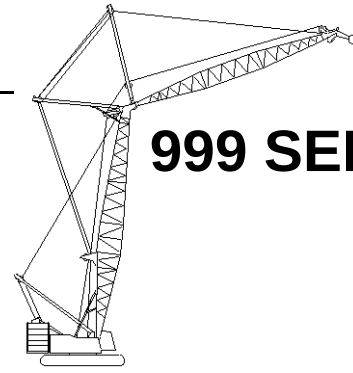


Liftcrane Luffing Jib Capacities

999 SERIES 3

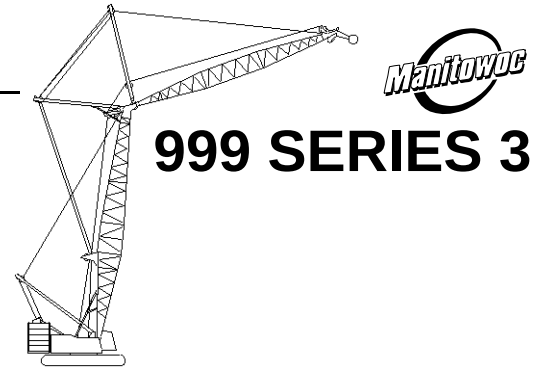
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



160 Ft. Boom, 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	75.3	399.8	26,400*													75
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	28,800*							110
115	65.1	385.1	23,900*	66.6	387.3	28,300*	68.7	389.9	28,800*							115
120	63.8	382.7	23,400*	65.3	385.0	27,400*	67.4	387.8	28,700*							120
125	62.4	380.2	22,400*	63.9	382.6	26,500*	66.1	385.6	28,500*							125
130	61.1	377.4	21,500*	62.6	380.1	25,500*	64.8	383.3	28,300	67.0	385.7	25,000				130
135	59.7	374.6	20,600*	61.2	377.4	24,600*	63.5	380.9	26,500	65.7	383.5	23,400				135
140	58.3	371.5	19,800*	59.9	374.5	23,700*	62.1	378.3	24,800	64.4	381.1	21,800				140
145	56.9	368.3	19,000*	58.5	371.5	22,800*	60.8	375.5	23,200	63.0	378.6	20,300				145
150	55.5	364.9	18,200*	57.1	368.3	21,900*	59.4	372.6	21,800	61.7	376.0	19,000				150
155	54.0	361.3	17,400*	55.6	364.9	21,000*	58.0	369.5	20,400	60.3	373.2	17,800				155
160	52.5	357.6	16,700*	54.2	361.4	20,200*	56.6	366.3	19,200	58.9	370.2	16,600	62.6	374.7	12,300	160
165	51.0	353.6	16,000*	52.7	357.6	19,400*	55.1	362.9	18,000	57.5	367.1	15,500	61.3	372.0	11,400	165
170	49.4	349.4	15,300*	51.1	353.7	18,600*	53.7	359.2	16,900	56.1	363.8	14,500	59.9	369.1	10,500	170
175	47.8	344.9	14,700*	49.6	349.5	17,900*	52.2	355.4	15,900	54.6	360.3	13,500	58.5	366.1	9,600	175
180	46.2	340.2	14,100*	48.0	345.1	17,100*	50.6	351.4	14,900	53.1	356.6	12,600	57.1	362.9	8,900	180
185	44.5	335.2	13,500*	46.4	340.4	16,200	49.1	347.1	14,000	51.6	352.7	11,700	55.7	359.6	8,100	185
190	42.7	329.9	13,000*	44.7	335.4	15,200	47.4	342.6	13,100	50.1	348.6	10,900	54.2	356.0	7,400	190
195	40.9	324.2	12,500*	42.9	330.1	14,400	45.8	337.8	12,300	48.5	344.2	10,200	52.7	352.3	6,700	195
200	39.1	318.2	12,000*	41.1	324.5	13,500	44.1	332.8	11,500	46.9	339.6	9,400	51.2	348.3	6,100	200
205	37.1	311.8	11,600*	39.3	318.6	12,700	42.3	327.4	10,700	45.2	334.7	8,700	49.6	344.2	5,500	205
210	35.1	304.8	11,200*	37.3	312.2	12,000	40.5	321.7	10,000	43.5	329.6	8,100	48.0	339.7	4,900	210
215	32.9	297.3	10,900*	35.3	305.3	11,200	38.6	315.5	9,300	41.7	324.1	7,500	46.4	335.1	4,400	215
220	30.6	289.2	10,500*	33.2	297.8	10,500	36.7	309.0	8,700	39.9	318.2	6,900				220
225	28.2	280.2	10,200*	30.9	289.8	9,900	34.6	301.9	8,100	38.0	312.0	6,300				225
230	25.5	270.2	9,800*	28.5	280.9	9,200	32.4	294.3	7,500	36.0	305.2	5,700				230
235	22.5	258.8	9,200*	25.8	271.0	8,600	30.1	286.0	6,900	33.9	298.0	5,200				235
240	19.1	245.4	8,600*	22.9	259.8	8,000	27.6	276.8	6,400	31.6	290.1	4,700				240
245	15.0	228.8	7,800*	19.6	246.7	7,500	24.9	266.5	5,900	29.3	281.5	4,200				245
250	9.1	204.8	6,100*	15.5	230.6	6,900	21.8	254.7	5,300							250
255				10.0	207.9	6,400	18.3	240.8	4,800							255
260							13.9	223.1	4,400							260



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	99,300*b	63.8	238.9	106,500*b													60
65	43.3	225.1	79,000*	50.1	230.5	94,000*	59.1	236.0	100,900b													65
70	36.8	218.9	73,000*	44.4	225.7	87,400*	54.1	232.6	91,900b	62.7	236.8	87,700b										70
75	29.1	210.8	68,400*	38.1	219.7	80,300*	48.8	228.5	84,200	57.9	233.8	80,400b										75
80	18.4	198.9	65,400*	30.6	212.1	74,600*	43.0	223.4	77,700	52.9	230.2	74,100										80
85				20.8	201.2	70,600*	36.5	217.2	71,900	47.5	225.9	68,700	62.2	233.1	63,200b							85
90							28.6	209.0	66,900	41.5	220.6	63,900	57.4	230.0	58,800b							90
95							17.8	196.8	62,400	34.7	214.0	59,700	52.3	226.4	54,900							95
100										26.4	205.2	55,800	46.8	222.0	51,400							100
105										13.9	190.7	52,400	40.8	216.5	48,300	56.5	224.8	44,100b				105
110													33.9	209.7	45,500	51.3	221.0	41,500				110
115													25.3	200.5	42,900	45.8	216.4	39,200				115
120													11.6	184.6	40,400	39.6	210.8	37,000				120
125																32.5	203.6	35,000	49.9	214.0	31,700	125
130																23.4	193.8	33,200	44.2	209.1	30,100	130
135																6.1	173.3	31,300	37.8	203.1	28,500	135
140																			30.3	195.4	27,100	140
145																			20.3	184.3	25,700	145

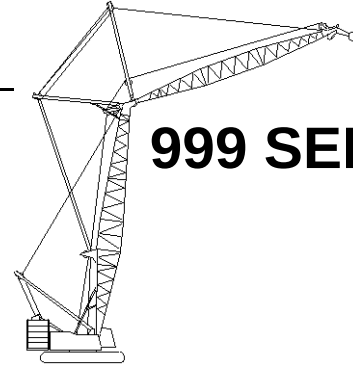


Liftcrane Luffing Jib Capacities

999 SERIES 3

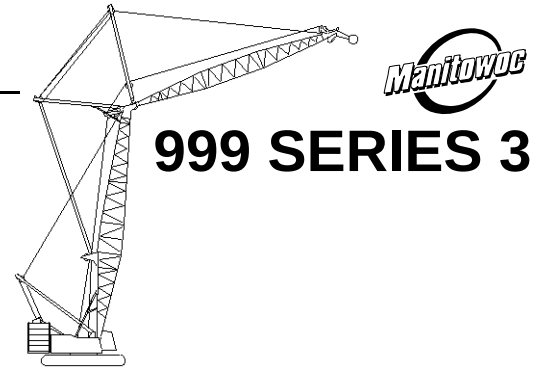
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	68.2	251.4	107,700*b																45
50	63.5	249.0	87,200*b	64.3	249.1	101,700*b																50
55	59.4	246.2	85,300*	60.2	246.3	96,200*b	67.3	249.9	103,000*b													55
60	55.1	242.9	82,000*	55.9	243.1	91,100*	63.3	247.5	97,900*b													60
65	50.6	238.9	75,900*																			65
70	45.7	234.3	69,800*	51.4	239.3	84,000*	59.2	244.7	91,400	66.4	247.9	87,100b										70
75	40.3	228.8	64,500*	46.6	234.8	77,700*	54.9	241.3	83,800	62.4	245.4	79,900b										75
80	34.3	222.0	60,100*	41.4	229.5	71,500*	50.3	237.4	77,200	58.2	242.5	73,600										80
85	27.1	213.2	56,600*	35.5	223.0	66,400*	45.4	232.7	71,600	53.8	239.0	68,200										85
90	17.2	200.3	54,500*	28.5	214.7	62,100*	40.1	227.1	66,600	49.2	234.9	63,400	61.9	241.7	58,200b							90
95				19.4	202.9	59,100*	34.0	220.3	62,200	44.2	230.0	59,200	57.7	238.7	54,300							95
100							26.7	211.4	58,200	38.7	224.2	55,500	53.3	235.2	50,900							100
105							16.6	198.2	54,600	32.4	216.9	52,100	48.6	231.0	47,800							105
110										24.6	207.3	49,000	43.6	226.0	45,000	56.9	233.5	40,900				110
115										12.9	191.8	46,200	38.0	220.0	42,400	52.5	229.8	38,600				115
120													31.6	212.6	40,100	47.8	225.5	36,400				120
125													23.6	202.6	37,900	42.6	220.4	34,500				125
130													10.8	185.5	35,900	36.9	214.1	32,700	51.2	222.8	29,400	130
135																30.3	206.3	31,000	46.4	218.3	27,900	135
140																21.8	195.7	29,400	41.1	212.9	26,500	140
145																5.6	173.7	27,900	35.2	206.3	25,200	145
150																			28.2	197.9	24,000	150
155																			18.9	185.9	22,800	155



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	93,500*b	70.0	260.7	99,700*b													60
65	55.7	251.6	73,200*	60.2	255.0	87,800*	66.5	258.6	89,800b													65
70	51.7	247.8	67,600*	56.4	251.8	81,300*	63.0	256.2	81,400													70
75	47.4	243.4	62,300*	52.4	248.1	75,200*	59.3	253.3	74,400	65.7	256.7	69,100b										75
80	42.9	238.3	57,700*	48.2	243.9	69,600*	55.5	250.0	68,300	62.1	254.1	63,500										80
85	37.9	232.2	53,700*	43.8	238.9	64,600*	51.5	246.2	63,000	58.4	251.2	58,500										85
90	32.2	224.9	50,300*	38.9	233.0	59,800*	47.2	241.8	58,400	54.5	247.7	54,200										90
95	25.5	215.5	47,700*	33.3	226.0	55,800*	42.7	236.7	54,300	50.5	243.8	50,400	61.7	250.4	43,800							95
100	16.1	201.7	46,200*	26.8	217.0	52,600*	37.6	230.6	50,700	46.2	239.2	46,900	58.0	247.4	40,800							100
105				18.2	204.5	50,300*	32.0	223.1	47,400	41.5	233.8	43,900	54.1	243.9	38,100							105
110							25.1	213.6	44,400	36.3	227.5	41,100	50.0	239.9	35,600							110
115							15.6	199.5	41,600	30.4	219.6	38,600	45.7	235.2	33,400	57.3	242.1	28,200				115
120										23.1	209.4	36,200	40.9	229.8	31,300	53.4	238.6	26,400				120
125										12.1	192.8	34,000	35.7	223.3	29,500	49.2	234.5	24,800				125
130													29.7	215.2	27,700	44.8	229.7	23,300				130
135													22.2	204.6	26,100	40.0	224.0	21,900	52.3	231.6	17,700	135
140													10.1	186.3	24,500	34.7	217.3	20,600	48.1	227.4	16,600	140
145																28.5	208.9	19,300	43.6	222.4	15,500	145
150																20.5	197.5	18,200	38.6	216.4	14,600	150
155																5.2	174.1	16,900	33.1	209.3	13,600	155
160																			26.5	200.3	12,700	160
165																			17.7	187.5	11,900	165



Liftcrane Luffing Jib Capacities

999 SERIES 3

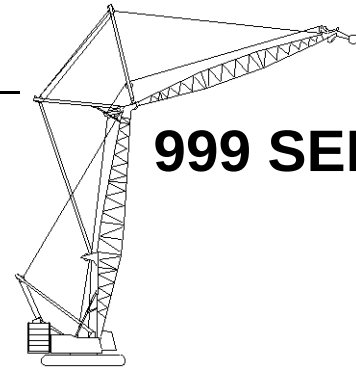
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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	72.7	272.7	93,700*b																45
50	69.1	271.0	76,700*b	69.7	270.9	91,600*b																50
55	66.0	268.8	74,100*	66.6	268.8	88,900*																55
60	62.8	266.3	70,900*	63.4	266.4	84,100*	69.0	269.5	89,000b													60
65	59.5	263.5	68,800*	60.1	263.7	78,400*	62.7	264.9	73,700													65
70	56.1	260.3	65,200*	56.8	260.5	72,900*	59.4	262.0	67,600	65.1	265.3	62,700										70
75	52.6	256.6	60,400*	53.2	256.9	67,600*	56.0	258.8	62,400	61.9	262.8	57,700										75
80	48.8	252.4	56,000*	49.5	252.8	62,700*	52.4	255.0	57,800	58.6	259.8	53,400										80
85	44.8	247.6	51,900*	45.6	248.1	58,300*	48.6	250.8	53,700	55.1	256.5	49,600										85
90	40.6	242.0	48,400*	41.4	242.7	54,400*	44.7	246.0	50,100	51.5	252.6	46,200	61.5	259.1	39,900							90
95	35.8	235.5	45,300*	36.8	236.4	50,600*	40.3	240.4	46,800	47.7	248.3	43,200	58.2	256.1	37,200							95
100	30.5	227.6	42,700*	31.5	228.8	47,400*	35.6	233.8	43,900	43.6	243.3	40,500	54.7	252.7	34,800							100
105	24.1	217.6	40,700*	25.4	219.3	44,900*	30.2	225.8	41,200	39.2	237.4	38,000	51.1	248.8	32,600							105
110	15.3	203.0	39,600*	17.2	206.0	43,200*	23.8	215.7	38,700	34.4	230.6	35,700	47.3	244.3	30,600	57.6	250.8	25,500				110
115							14.7	200.8	36,400	28.8	222.2	33,600	43.2	239.2	28,700	54.1	247.3	23,900				115
120										21.9	211.3	31,600	38.7	233.3	27,000	50.4	243.4	22,400				120
125										11.5	193.8	29,800	33.8	226.3	25,500	46.5	238.8	21,100				125
130													28.1	217.7	24,000	42.4	233.6	19,800				130
135													21.0	206.4	22,600	37.9	227.5	18,600	49.4	236.3	14,600	135
140													9.6	187.1	21,200	32.8	220.2	17,500	45.4	231.6	13,700	140
145																26.9	211.3	16,400	41.2	226.1	12,800	145
150																19.4	199.2	15,400	36.5	219.8	12,000	150
155																4.9	174.4	14,300	31.3	212.1	11,200	155
160																						160
165																						165
170																			25.1	202.5	10,400	170
175																			16.8	188.9	9,600	175



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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	80,600*	71.0	280.2	84,800*													65
70	59.6	272.2	62,700*	63.1	275.1	75,700*	68.2	278.3	80,500													70
75	56.5	269.0	58,800*	60.1	272.3	70,800*	65.4	276.0	73,500													75
80	53.3	265.4	54,700*	57.1	269.2	66,100*	62.4	273.5	67,400	67.5	276.3	62,400										80
85	49.9	261.3	50,900*	53.9	265.7	61,600*	59.4	270.7	62,200	64.6	274.0	57,500										85
90	46.4	256.7	47,500*	50.5	261.7	57,300*	56.3	267.4	57,600	61.7	271.4	53,200										90
95	42.6	251.5	44,200*	47.0	257.2	53,400*	53.1	263.8	53,600	58.7	268.5	49,400										95
100	38.6	245.5	41,400*	43.3	252.1	49,900*	49.8	259.7	49,900	55.6	265.2	46,100										100
105	34.1	238.6	39,000*	39.3	246.3	46,700*	46.2	255.1	46,700	52.3	261.4	43,000	61.4	267.7	37,000							105
110	29.0	230.2	36,900*	35.0	239.5	43,600*	42.4	249.9	43,800	48.9	257.2	40,300	58.3	264.7	34,600							110
115	22.9	219.6	35,400*	30.0	231.5	41,100*	38.4	243.9	41,100	45.3	252.5	37,800	55.2	261.4	32,400							115
120	14.5	204.3	34,600*	24.2	221.4	39,100*	33.9	236.8	38,700	41.5	247.1	35,600	51.9	257.6	30,400							120
125				16.4	207.4	37,700*	28.8	228.4	36,500	37.3	240.8	33,500	48.5	253.3	28,600	57.8	259.5	23,700				125
130							22.6	217.7	34,400	32.7	233.5	31,600	44.9	248.5	26,900	54.6	256.1	22,200				130
135							14.0	202.0	32,500	27.4	224.6	29,800	41.0	243.0	25,300	51.3	252.2	20,900				135
140										20.8	213.1	28,200	36.8	236.7	23,900	47.9	247.8	19,600				140
145										10.9	194.7	26,600	32.1	229.2	22,500	44.2	242.9	18,400				145
150													26.7	220.1	21,300	40.3	237.3	17,300	50.4	245.2	13,500	150
155													20.0	208.1	20,100	36.0	230.8	16,300	46.9	240.7	12,600	155
160													9.1	187.8	18,800	31.2	223.0	15,300	43.2	235.6	11,800	160
165																25.6	213.5	14,400	39.2	229.7	11,000	165
170																18.5	200.8	13,500	34.8	222.9	10,300	170
175																4.7	174.8	12,600	29.8	214.8	9,600	175
180																			23.9	204.6	8,900	180
185																			16.0	190.3	8,200	185



Liftcrane Luffing Jib Capacities

999 SERIES 3

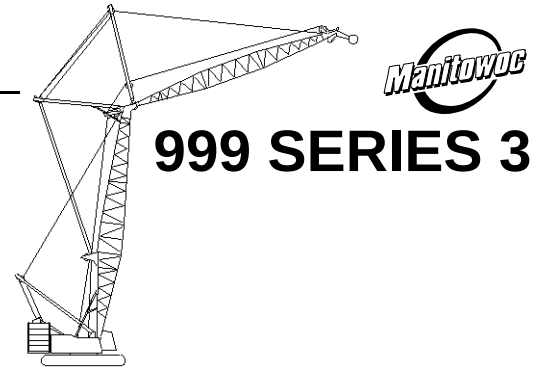
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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			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	75.2	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	72,400*	70.1	289.0	77,500*													70
75	59.6	280.8	56,900*	62.9	283.8	68,100*	67.5	287.0	72,800													75
80	56.8	277.7	53,000*	60.1	281.0	63,900*	64.9	284.7	66,700													80
85	53.9	274.1	49,400*	57.3	277.9	59,800*	62.2	282.2	61,500	66.9	285.1	56,700										85
90	50.8	270.2	46,200*	54.4	274.4	55,900*	59.5	279.3	56,900	64.3	282.7	52,500										90
95	47.6	265.8	43,100*	51.4	270.5	52,200*	56.7	276.1	52,900	61.6	280.1	48,700										95
100	44.3	260.8	40,400*	48.2	266.2	48,700*	53.7	272.6	49,300	58.8	277.2	45,300										100
105	40.7	255.2	37,800*	44.9	261.4	45,600*	50.7	268.6	46,100	55.9	273.9	42,300										105
110	36.8	248.9	35,600*	41.4	255.9	42,800*	47.5	264.2	43,200	53.0	270.2	39,600	61.3	276.4	33,700							110
115	32.6	241.5	33,600*	37.6	249.7	40,000*	44.1	259.2	40,500	49.9	266.2	37,200	58.5	273.4	31,600							115
120	27.7	232.7	32,100*	33.4	242.6	37,700*	40.5	253.6	38,100	46.7	261.6	34,900	55.6	270.1	29,600							120
125	21.9	221.5	30,800*	28.7	234.0	35,700*	36.6	247.2	35,900	43.3	256.5	32,900	52.7	266.4	27,800							125
130	13.9	205.4	30,200*	23.1	223.4	34,100*	32.4	239.8	33,900	39.6	250.7	31,000	49.6	262.3	26,100	58.0	268.2	21,300				130
135				15.7	208.7	33,100*	27.5	230.9	32,000	35.6	244.1	29,200	46.3	257.7	24,600	55.1	264.8	20,000				135
140							21.6	219.6	30,300	31.2	236.3	27,600	42.9	252.5	23,200	52.1	261.0	18,800				140
145							13.4	203.1	28,600	26.2	227.0	26,100	39.2	246.6	21,800	49.0	256.8	17,600				145
150										19.9	214.8	24,700	35.2	239.9	20,600	45.7	252.1	16,500				150
155										10.4	195.6	23,300	30.7	232.0	19,400	42.2	246.8	15,500	51.3	254.1	11,700	155
160													25.5	222.4	18,300	38.5	240.8	14,600	48.1	249.7	10,900	160
165													19.1	209.8	17,300	34.4	233.9	13,700	44.8	244.9	10,200	165
170													8.7	188.6	16,200	29.8	225.7	12,900	41.2	239.4	9,400	170
175																24.5	215.7	12,100	37.4	233.1	8,800	175
180																17.7	202.3	11,300	33.2	225.9	8,100	180
185																4.4	175.1	10,400	28.5	217.3	7,500	185
190																			22.8	206.6	6,900	190
195																			15.2	191.6	6,300	195



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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			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	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	65,400*	69.4	297.8	71,100*													75
80	59.6	289.5	51,500*	62.6	292.4	61,700*	67.0	295.7	66,200													80
85	57.0	286.3	48,100*	60.1	289.6	58,100*	64.5	293.4	61,000													85
90	54.3	282.9	45,000*	57.5	286.6	54,500*	62.1	290.9	56,400	66.4	293.8	51,900										90
95	51.6	279.0	42,100*	54.9	283.1	51,100*	59.5	288.0	52,400	63.9	291.4	48,200										95
100	48.7	274.7	39,500*	52.1	279.4	47,800*	56.9	284.8	48,800	61.5	288.8	44,800										100
105	45.6	270.0	37,100*	49.2	275.2	44,800*	54.2	281.3	45,600	58.9	285.8	41,800										105
110	42.4	264.7	34,700*	46.2	270.5	42,000*	51.4	277.5	42,700	56.3	282.6	39,100										110
115	39.0	258.8	32,700*	43.0	265.4	39,500*	48.5	273.2	40,100	53.6	279.0	36,700	61.2	285.0	31,000							115
120	35.3	252.1	31,000*	39.7	259.6	37,100*	45.5	268.4	37,700	50.7	275.0	34,400	58.6	282.1	29,000							120
125	31.2	244.3	29,400*	36.0	253.0	34,900*	42.3	263.1	35,500	47.8	270.6	32,400	56.0	278.8	27,200							125
130	26.6	235.0	28,200*	32.0	245.4	33,000*	38.9	257.2	33,500	44.7	265.8	30,500	53.2	275.2	25,600							130
135	21.0	223.4	27,200*	27.5	236.5	31,400*	35.1	250.4	31,600	41.5	260.3	28,800	50.4	271.1	24,100							135
140	13.3	206.6	26,800*	22.1	225.4	30,200*	31.0	242.5	29,900	38.0	254.2	27,200	47.5	266.7	22,600	55.5	273.5	18,200				140
145				15.0	210.0	29,300*	26.4	233.2	28,300	34.2	247.2	25,700	44.4	261.8	21,300	52.7	269.8	17,000				145
150							20.7	221.4	26,800	30.0	239.0	24,300	41.1	256.2	20,100	49.9	265.7	16,000				150
155							12.8	204.2	25,300	25.1	229.2	23,000	37.6	250.0	19,000	46.9	261.2	15,000				155
160										19.1	216.5	21,700	33.7	242.9	17,900	43.8	256.2	14,100	52.0	262.9	10,300	160
165										10.0	196.4	20,500	29.5	234.6	16,900	40.5	250.5	13,200	49.1	258.7	9,600	165
170													24.5	224.5	15,900	36.9	244.1	12,400	46.1	254.0	8,900	170
175													18.3	211.4	15,000	33.0	236.8	11,600	42.9	248.8	8,200	175
180													8.3	189.2	14,100	28.6	228.3	10,800	39.5	243.0	7,600	180
185																23.5	217.8	10,100	35.9	236.4	7,000	185
190																16.9	203.8	9,400	31.8	228.8	6,400	190
195																4.2	175.4	8,700	27.3	219.7	5,900	195
200																			21.9	208.5	5,300	200
205																			14.6	192.8	4,800	205

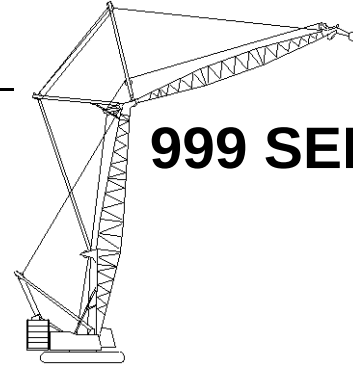


Liftcrane Luffing Jib Capacities

999 SERIES 3

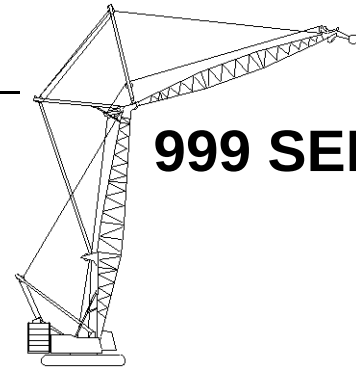
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



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			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	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	65,200*													75
80	62.0	301.0	49,200*	64.7	303.6	59,200*	68.7	306.6	65,200*													80
85	59.7	298.2	46,700*	62.5	301.1	56,000*	66.5	304.5	60,300													85
90	57.3	295.0	43,800*	60.1	298.3	52,800*	64.2	302.1	55,800													90
95	54.8	291.6	41,000*	57.7	295.2	49,700*	61.9	299.5	51,700	65.9	302.5	47,400										95
100	52.2	287.8	38,500*	55.2	291.9	46,700*	59.6	296.7	48,200	63.7	300.1	44,100										100
105	49.5	283.7	36,100*	52.7	288.1	43,900*	57.1	293.5	45,000	61.3	297.4	41,100										105
110	46.8	279.1	34,100*	50.0	284.1	41,200*	54.7	290.1	42,100	59.0	294.5	38,400										110
115	43.9	274.1	32,100*	47.3	279.6	38,700*	52.1	286.3	39,500	56.5	291.3	35,900										115
120	40.8	268.5	30,200*	44.4	274.6	36,400*	49.4	282.1	37,100	54.0	287.7	33,700	61.1	293.7	28,200							120
125	37.5	262.2	28,600*	41.4	269.2	34,400*	46.6	277.5	34,900	51.4	283.9	31,700	58.7	290.7	26,400							125
130	34.0	255.1	27,100*	38.1	263.0	32,500*	43.7	272.5	32,900	48.8	279.6	29,800	56.3	287.5	24,800							130
135	30.1	247.0	25,900*	34.7	256.1	30,600*	40.7	266.8	31,100	46.0	274.9	28,100	53.7	283.9	23,300							135
140	25.6	237.3	24,900*	30.8	248.2	29,100*	37.4	260.6	29,300	43.0	269.7	26,500	51.1	280.0	21,900							140
145	20.2	225.1	24,100*	26.5	238.8	27,800*	33.8	253.4	27,800	39.9	264.0	25,100	48.4	275.7	20,600	55.8	282.2	16,200				145
150	12.8	207.7	23,800*	21.3	227.3	26,700*	29.9	245.2	26,300	36.5	257.5	23,700	45.6	270.9	19,400	53.3	278.6	15,100				150
155				14.4	211.3	26,100*	25.4	235.4	24,900	32.9	250.1	22,400	42.7	265.7	18,200	50.7	274.6	14,200				155
160							19.9	223.1	23,600	28.8	241.6	21,200	39.5	259.9	17,200	47.9	270.2	13,300				160
165							12.3	205.2	22,300	24.2	231.3	20,000	36.1	253.3	16,200	45.1	265.4	12,400	52.6	271.7	8,700	165
170										18.4	218.1	18,900	32.5	245.8	15,300	42.1	260.0	11,600	49.9	267.6	8,000	170
175										9.6	197.2	17,900	28.3	237.1	14,400	38.9	254.1	10,800	47.2	263.1	7,400	175
180													23.6	226.6	13,500	35.5	247.4	10,100	44.3	258.1	6,800	180
185													17.6	212.9	12,700	31.7	239.7	9,400	41.2	252.6	6,200	185
190													8.0	189.9	11,900	27.5	230.7	8,800	38.0	246.5	5,600	190
195																22.6	219.7	8,100	34.5	239.5	5,100	195
200																16.3	205.2	7,500	30.6	231.5	4,600	200
205																4.0	175.7	6,800	26.3	222.1	4,100	205



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

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			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	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	59,800*													80
85	61.9	309.7	45,200*	64.4	312.3	53,900*	68.1	315.3	59,800*													85
90	59.7	306.8	42,500*	62.3	309.8	51,000*	66.1	313.2	55,500													90
95	57.4	303.7	40,000*	60.1	307.0	48,300*	63.9	310.8	51,500	67.6	313.4	47,100										95
100	55.1	300.3	37,600*	57.9	303.9	45,600*	61.8	308.2	47,900	65.5	311.2	43,800										100
105	52.8	296.6	35,400*	55.6	300.6	43,000*	59.6	305.3	44,700	63.4	308.8	40,800										105
110	50.3	292.5	33,300*	53.2	296.9	40,500*	57.3	302.2	41,800	61.3	306.1	38,100										110
115	47.7	288.1	31,400*	50.8	292.9	38,100*	55.0	298.8	39,200	59.0	303.1	35,700										115
120	45.1	283.3	29,700*	48.2	288.6	35,900*	52.6	295.1	36,900	56.8	300.0	33,500										120
125	42.3	278.0	28,100*	45.6	283.8	33,800*	50.2	291.0	34,700	54.4	296.5	31,500	61.0	302.4	26,200							125
130	39.3	272.1	26,500*	42.8	278.6	31,900*	47.6	286.6	32,700	52.1	292.7	29,600	58.8	299.4	24,500							130
135	36.2	265.5	25,200*	39.9	272.8	30,300*	45.0	281.7	30,900	49.6	288.5	27,900	56.5	296.2	23,000							135
140	32.8	258.1	24,000*	36.8	266.4	28,700*	42.2	276.3	29,200	47.0	284.0	26,300	54.2	292.7	21,600							140
145	29.0	249.6	23,000*	33.4	259.1	27,100*	39.2	270.4	27,600	44.3	279.0	24,800	51.8	288.8	20,300							145
150	24.7	239.5	22,200*	29.7	250.8	25,900*	36.0	263.8	26,100	41.5	273.5	23,500	49.3	284.6	19,100	56.1	290.9	14,900				150
155	19.5	226.8	21,600*	25.5	241.1	24,800*	32.6	256.4	24,700	38.5	267.5	22,200	46.7	280.0	18,000	53.7	287.3	13,900				155
160	12.3	208.7	21,300*	20.6	229.1	23,900*	28.8	247.8	23,400	35.2	260.7	21,000	44.0	275.0	17,000	51.3	283.4	13,000				160
165				13.9	212.4	23,400*	24.5	237.6	22,200	31.7	253.0	19,900	41.1	269.5	16,000	48.8	279.2	12,200				165
170							19.2	224.8	21,100	27.8	244.0	18,800	38.1	263.3	15,100	46.2	274.5	11,400				170
175							11.9	206.2	19,900	23.3	233.4	17,800	34.9	256.4	14,200	43.5	269.4	10,600	50.6	276.4	7,100	175
180										17.7	219.6	16,800	31.3	248.6	13,400	40.6	263.8	9,900	48.1	272.1	6,500	180
185										9.2	198.0	15,900	27.3	239.5	12,600	37.5	257.5	9,200	45.5	267.3	5,900	185
190													22.8	228.6	11,800	34.2	250.4	8,600	42.7	262.0	5,400	190
195													17.0	214.4	11,100	30.6	242.4	8,000	39.8	256.2	4,900	195
200													7.7	190.5	10,300	26.6	233.1	7,400	36.6	249.8	4,400	200
205																21.8	221.7	6,800				205
210																15.7	206.5	6,200				210
215																3.9	176.0	5,600				215

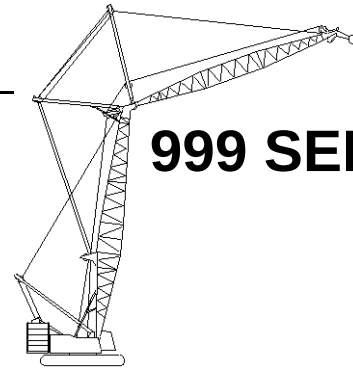


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



170 Ft. Boom, 160 Ft. Jib

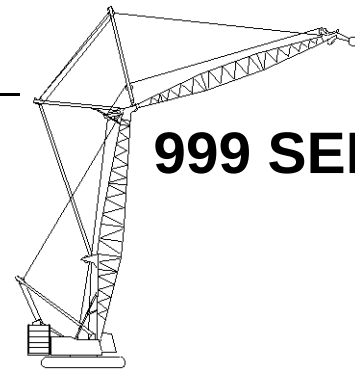
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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	54,600*										85
90	61.8	318.3	41,500*	64.2	321.0	49,300*	67.6	324.1	54,600*										90
95	59.7	315.5	39,100*	62.1	318.4	46,900*	65.7	321.9	50,800										95
100	57.6	312.4	36,900*	60.1	315.6	44,500*	63.7	319.5	47,200	67.2	322.1	43,000							100
105	55.4	309.0	34,800*	58.0	312.6	42,100*	61.7	316.8	44,100	65.2	319.9	40,100							105
110	53.2	305.4	32,800*	55.8	309.3	39,800*	59.6	314.0	41,200	63.2	317.4	37,400							110
115	50.9	301.4	31,000*	53.6	305.7	37,600*	57.5	310.9	38,600	61.2	314.7	35,000							115
120	48.6	297.1	29,200*	51.4	301.8	35,500*	55.3	307.5	36,200	59.1	311.8	32,800							120
125	46.1	292.4	27,700*	49.0	297.5	33,600*	53.1	303.8	34,000	57.0	308.6	30,800	63.0	313.7	25,400				125
130	43.6	287.3	26,200*	46.6	292.9	31,700*	50.8	299.8	32,100	54.8	305.2	28,900	60.9	311.0	23,700				130
135	40.9	281.7	24,900*	44.0	287.9	30,000*	48.5	295.5	30,200	52.6	301.5	27,200	58.9	308.1	22,200				135
140	38.0	275.5	23,600*	41.4	282.4	28,400*	46.0	290.8	28,500	50.3	297.4	25,600	56.7	304.9	20,900				140
145	35.0	268.7	22,500*	38.6	276.3	27,000*	43.4	285.7	27,000	47.9	293.0	24,200	54.6	301.4	19,600				145
150	31.7	260.9	21,500*	35.6	269.6	25,700*	40.8	280.1	25,500	45.4	288.2	22,800	52.3	297.6	18,400				150
155	28.0	252.1	20,600*	32.3	262.0	24,400*	37.9	273.9	24,100	42.8	283.0	21,600	50.0	293.5	17,300	56.3	299.6	13,100	155
160	23.9	241.6	20,000*	28.8	253.4	23,300*	34.8	267.0	22,900	40.1	277.2	20,400	47.6	289.1	16,200	54.2	296.1	12,200	160
165	18.9	228.5	19,500*	24.7	243.3	22,400*	31.5	259.2	21,700	37.2	270.8	19,300	45.1	284.2	15,300	51.9	292.2	11,400	165
170	11.9	209.7	19,300*	19.9	230.8	21,700*	27.9	250.3	20,500	34.1	263.7	18,200	42.5	278.9	14,400	49.6	288.1	10,600	170
175				13.5	213.6	21,300*	23.7	239.7	19,500	30.7	255.7	17,200	39.8	273.1	13,500	47.2	283.6	9,800	175
180							18.6	226.4	18,400	26.9	246.4	16,300	36.8	266.7	12,700	44.6	278.6	9,100	180
185							11.5	207.2	17,400	22.5	235.3	15,400	33.7	259.5	11,900	42.0	273.3	8,500	185
190										17.2	221.1	14,500	30.3	251.3	11,200	39.2	267.3	7,800	190
195										8.9	198.7	13,700	26.4	241.9	10,500	36.3	260.8	7,200	195
200													22.0	230.5	9,800	33.1	253.4	6,700	200
205													16.4	215.8	9,100	29.6	245.1	6,100	205
210													7.4	191.2	8,400	25.7	235.3	5,600	210
215																21.1	223.5	5,100	215
220																15.2	207.8	4,600	220
225																3.7	176.3	4,000	225



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

170 Ft. Boom, 170 Ft. Jib

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	74.4	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	50,000*										85
90	63.6	329.6	39,000*	65.8	332.1	47,300*	69.0	334.9	50,000*										90
95	61.7	327.0	37,900*	63.9	329.7	45,200*	67.2	332.8	50,000*										95
100	59.7	324.1	35,900*	62.0	327.1	43,000*	65.4	330.6	46,700										100
105	57.7	321.0	33,900*	60.1	324.3	40,900*	63.5	328.2	43,500	66.8	330.9	39,500							105
110	55.7	317.7	32,100*	58.1	321.2	38,800*	61.6	325.5	40,700	64.9	328.6	36,900							110
115	53.6	314.1	30,300*	56.1	318.0	36,800*	59.6	322.6	38,100	63.0	326.1	34,400							115
120	51.5	310.2	28,700*	54.0	314.4	34,900*	57.7	319.5	35,700	61.1	323.4	32,200							120
125	49.3	306.0	27,200*	51.9	310.6	33,000*	55.6	316.2	33,600	59.2	320.5	30,200							125
130	47.0	301.5	25,700*	49.7	306.4	31,300*	53.5	312.6	31,600	57.2	317.3	28,400	62.8	322.4	23,200				130
135	44.7	296.6	24,500*	47.5	302.0	29,600*	51.4	308.7	29,700	55.1	313.9	26,700	60.9	319.7	21,700				135
140	42.2	291.2	23,200*	45.1	297.1	28,100*	49.2	304.5	28,100	53.0	310.2	25,100	58.9	316.7	20,300				140
145	39.6	285.3	22,100*	42.7	291.8	26,600*	46.9	299.9	26,500	50.9	306.3	23,700	56.9	313.5	19,000				145
150	36.8	278.9	21,000*	40.1	286.1	25,300*	44.6	295.0	25,000	48.7	302.0	22,300	54.9	310.1	17,800				150
155	33.9	271.7	20,100*	37.4	279.7	24,100*	42.1	289.6	23,700	46.4	297.3	21,100	52.8	306.4	16,700				155
160	30.7	263.7	19,300*	34.5	272.7	23,000*	39.5	283.7	22,400	44.0	292.3	19,900	50.6	302.4	15,700	56.6	308.3	11,600	160
165	27.2	254.5	18,600*	31.3	264.8	21,900*	36.7	277.2	21,200	41.5	286.8	18,800	48.4	298.1	14,700	54.5	304.8	10,800	165
170	23.2	243.6	18,000*	27.9	255.9	21,000*	33.8	270.0	20,100	38.8	280.7	17,700	46.1	293.4	13,800	52.4	301.0	10,000	170
175	18.3	230.1	17,600*	23.9	245.4	20,300*	30.6	261.9	19,000	36.0	274.1	16,800	43.7	288.3	13,000	50.2	297.0	9,300	175
180	11.5	210.7	17,500*	19.3	232.5	19,700*	27.0	252.7	18,000	33.0	266.7	15,800	41.2	282.7	12,200	48.0	292.6	8,600	180
185				13.1	214.7	19,200	22.9	241.7	17,100	29.7	258.4	15,000	38.5	276.6	11,400	45.7	287.8	7,900	185
190							18.0	228.0	16,200	26.1	248.7	14,100	35.7	269.9	10,700	43.2	282.6	7,300	190
195							11.1	208.2	15,300	21.9	237.3	13,300	32.7	262.4	10,000	40.7	277.0	6,700	195
200										16.6	222.6	12,500	29.3	253.9	9,300	38.0	270.8	6,100	200
205										8.6	199.4	11,800	25.6	244.2	8,700	35.2	263.9	5,600	205
210													21.3	232.4	8,100	32.1	256.3	5,100	210
215													15.9	217.2	7,500	28.7	247.6	4,600	215
220													7.2	191.8	6,900	24.9	237.5	4,100	220



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



170 Ft. Boom, 180 Ft. Jib

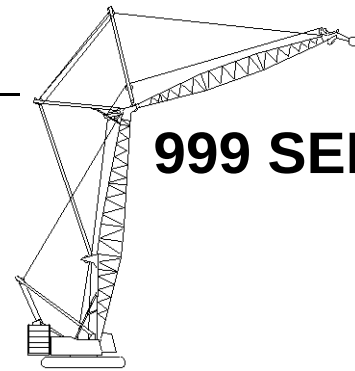
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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	75.3	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	45,800*										90
95	63.4	338.3	35,900*	65.5	340.8	43,200*	68.5	343.7	45,800*										95
100	61.6	335.7	34,700*	63.7	338.4	41,300*	66.8	341.6	45,800*										100
105	59.7	332.8	32,900*	61.9	335.8	39,500*	65.1	339.3	42,900										105
110	57.9	329.7	31,200*	60.1	333.0	37,600*	63.3	336.8	40,000	66.4	339.6	36,100							110
115	56.0	326.4	29,600*	58.2	329.9	35,800*	61.5	334.2	37,400	64.6	337.3	33,700							115
120	54.0	322.9	28,000*	56.3	326.7	34,000*	59.7	331.3	35,100	62.9	334.8	31,500							120
125	52.0	319.0	26,600*	54.4	323.1	32,300*	57.8	328.2	32,900	61.0	332.1	29,500							125
130	49.9	314.9	25,200*	52.4	319.4	30,600*	55.9	324.9	30,900	59.2	329.1	27,700							130
135	47.8	310.5	23,900*	50.3	315.3	29,100*	53.9	321.3	29,100	57.3	326.0	26,000	62.7	331.1	20,900				135
140	45.6	305.7	22,700*	48.2	310.9	27,600*	51.9	317.5	27,400	55.4	322.6	24,400	60.8	328.3	19,500				140
145	43.3	300.5	21,700*	46.0	306.2	26,200*	49.9	313.4	25,900	53.4	319.0	23,000	59.0	325.4	18,200				145
150	40.9	294.9	20,600*	43.8	301.1	24,900*	47.7	308.9	24,400	51.4	315.1	21,600	57.1	322.2	17,100				150
155	38.4	288.8	19,700*	41.4	295.6	23,700*	45.5	304.1	23,100	49.3	310.9	20,400	55.2	318.8	16,000				155
160	35.8	282.1	18,800*	38.9	289.6	22,600*	43.2	298.9	21,800	47.2	306.4	19,200	53.2	315.2	15,000				160
165	32.9	274.7	18,000*	36.3	283.0	21,600*	40.8	293.3	20,600	45.0	301.5	18,100	51.2	311.2	14,000	56.8	317.0	10,000	165
170	29.8	266.3	17,300*	33.5	275.7	20,700*	38.3	287.2	19,500	42.7	296.2	17,100	49.1	307.0	13,100	54.8	313.5	9,200	170
175	26.4	256.8	16,700*	30.4	267.6	19,700*	35.6	280.4	18,500	40.2	290.4	16,100	46.9	302.4	12,300	52.8	309.8	8,500	175
180	22.5	245.6	16,300*	27.1	258.3	19,000*	32.8	273.0	17,500	37.7	284.2	15,200	44.7	297.5	11,500	50.8	305.8	7,800	180
185	17.8	231.6	16,000*	23.2	247.4	18,300*	29.7	264.6	16,500	35.0	277.3	14,300	42.4	292.2	10,700	48.7	301.5	7,100	185
190	11.2	211.7	15,900*	18.7	234.1	17,700	26.2	255.0	15,600	32.0	269.6	13,500	39.9	286.4	10,000	46.5	296.9	6,500	190
195				12.7	215.8	16,800	22.3	243.7	14,800	28.9	260.9	12,700	37.4	280.0	9,300	44.3	291.9	5,900	195
200							17.5	229.5	14,000	25.3	251.0	12,000	34.6	273.0	8,700	41.9	286.5	5,400	200
205							10.8	209.1	13,100	21.2	239.1	11,300	31.7	265.3	8,000	39.5	280.6	4,900	205
210										16.1	224.0	10,500	28.5	256.5	7,400	36.9	274.1	4,400	210
215										8.4	200.2	9,800	24.9	246.4	6,900				215
220													20.7	234.2	6,300				220
225													15.5	218.5	5,800				225
230													7.0	192.3	5,200				230



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

170 Ft. Boom, 190 Ft. Jib

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	74.6	360.8	37,900*																65
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	41,900*										95
100	63.2	347.0	33,400*	65.2	349.5	39,600*	68.1	352.4	41,900*										100
105	61.5	344.3	31,900*	63.5	347.1	38,000*	66.5	350.3	41,900*										105
110	59.8	341.5	30,300*	61.8	344.4	36,300*	64.8	348.0	39,700	67.7	350.5	35,800							110
115	58.0	338.4	28,800*	60.1	341.6	34,700*	63.1	345.5	37,100	66.1	348.3	33,400							115
120	56.2	335.1	27,400*	58.3	338.6	33,100*	61.4	342.8	34,800	64.4	346.0	31,200							120
125	54.3	331.6	26,000*	56.5	335.3	31,500*	59.7	340.0	32,600	62.7	343.4	29,200							125
130	52.5	327.8	24,700*	54.7	331.9	30,000*	57.9	336.9	30,600	61.0	340.7	27,400							130
135	50.5	323.8	23,500*	52.8	328.1	28,500*	56.1	333.6	28,800	59.2	337.8	25,700							135
140	48.5	319.5	22,300*	50.9	324.2	27,100*	54.3	330.1	27,100	57.5	334.7	24,100	62.5	339.7	19,200				140
145	46.5	314.8	21,200*	48.9	319.9	25,800*	52.4	326.3	25,600	55.7	331.3	22,700	60.8	337.0	17,900				145
150	44.3	309.8	20,200*	46.8	315.3	24,600*	50.4	322.2	24,100	53.8	327.7	21,400	59.0	334.1	16,800				150
155	42.1	304.4	19,300*	44.7	310.4	23,400*	48.4	317.9	22,800	51.9	323.9	20,100	57.3	330.9	15,700				155
160	39.8	298.6	18,500*	42.5	305.1	22,300*	46.4	313.2	21,500	49.9	319.8	18,900	55.4	327.5	14,700				160
165	37.4	292.2	17,700*	40.2	299.3	21,200*	44.2	308.2	20,400	47.9	315.4	17,800	53.6	323.9	13,700				165
170	34.8	285.3	16,900*	37.8	293.0	20,300*	42.0	302.8	19,200	45.9	310.6	16,800	51.7	320.0	12,800	56.9	325.7	8,900	170
175	32.0	277.6	16,200*	35.3	286.2	19,500*	39.7	296.9	18,200	43.7	305.5	15,800	49.7	315.9	12,000	55.1	322.2	8,200	175
180	29.0	268.9	15,700*	32.5	278.6	18,700*	37.2	290.6	17,200	41.5	300.0	14,900	47.7	311.4	11,200	53.2	318.6	7,500	180
185	25.7	259.1	15,200*	29.6	270.2	17,900*	34.6	283.6	16,300	39.1	294.0	14,100	45.6	306.7	10,400	51.3	314.7	6,800	185
190	21.9	247.5	14,800*	26.3	260.6	17,200*	31.9	275.8	15,400	36.6	287.5	13,200	43.4	301.5	9,700	49.4	310.5	6,200	190
195	17.3	233.1	14,600*	22.6	249.4	16,600	28.8	267.1	14,600	34.0	280.3	12,500	41.2	295.9	9,000	47.3	305.9	5,600	195
200	10.9	212.6	14,500*	18.2	235.7	15,800	25.5	257.2	13,800	31.2	272.4	11,700	38.8	289.9	8,400	45.2	301.1	5,100	200
205				12.3	216.9	14,900	21.7	245.6	13,000	28.1	263.4	11,000	36.3	283.3	7,800	43.0	295.9	4,600	205
210							17.0	231.0	12,200	24.6	253.2	10,300	33.7	276.1	7,200	40.8	290.2	4,100	210
215							10.5	210.0	11,500	20.6	240.9	9,700	30.8	268.0	6,600				215
220										15.7	225.3	9,100	27.7	258.9	6,100				220
225										8.2	200.8	8,400	24.2	248.5	5,600				225
230													20.1	236.0	5,100				230
235													15.0	219.8	4,600				235
240													6.8	192.9	4,000				240



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



170 Ft. Boom, 200 Ft. Jib

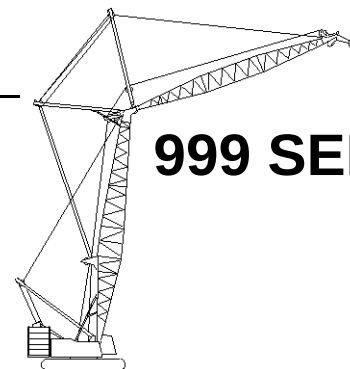
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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	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	38,200*										100
105	63.0	355.7	30,700*	64.9	358.2	36,300*	67.7	361.2	38,200*										105
110	61.4	353.0	29,300*	63.3	355.7	34,900*	66.2	359.0	38,100*										110
115	59.8	350.1	27,900*	61.7	353.1	33,400*	64.6	356.7	36,500	67.3	359.2	32,700							115
120	58.1	347.1	26,600*	60.1	350.3	32,000*	63.0	354.2	34,100	65.8	357.0	30,500							120
125	56.4	343.8	25,300*	58.4	347.3	30,600*	61.3	351.5	32,000	64.2	354.7	28,500							125
130	54.6	340.3	24,100*	56.7	344.0	29,200*	59.7	348.6	30,000	62.6	352.1	26,700							130
135	52.8	336.6	22,900*	55.0	340.6	27,900*	58.0	345.6	28,200	60.9	349.4	25,000							135
140	51.0	332.6	21,800*	53.2	336.9	26,600*	56.3	342.3	26,500	59.3	346.5	23,500							140
145	49.1	328.4	20,800*	51.4	333.0	25,300*	54.6	338.8	25,000	57.6	343.3	22,000	62.4	348.4	17,200				145
150	47.2	323.9	19,800*	49.5	328.8	24,100*	52.8	335.1	23,500	55.9	340.0	20,700	60.8	345.7	16,000				150
155	45.2	319.0	18,900*	47.6	324.3	23,000*	50.9	331.1	22,200	54.1	336.5	19,400	59.1	342.7	14,900				155
160	43.1	313.8	18,000*	45.6	319.5	21,900*	49.1	326.8	20,900	52.3	332.7	18,300	57.4	339.6	13,900				160
165	41.0	308.2	17,300*	43.5	314.4	20,900*	47.1	322.3	19,700	50.5	328.6	17,200	55.7	336.2	13,000				165
170	38.7	302.1	16,500*	41.4	308.9	20,000*	45.1	317.4	18,600	48.6	324.3	16,200	53.9	332.7	12,100				170
175	36.4	295.5	15,900*	39.2	302.9	19,100*	43.0	312.2	17,600	46.6	319.7	15,200	52.1	328.8	11,200	57.1	334.3	7,400	175
180	33.9	288.3	15,200*	36.8	296.4	18,300*	40.9	306.5	16,600	44.6	314.7	14,300	50.3	324.8	10,500	55.4	330.9	6,700	180
185	31.2	280.3	14,700*	34.3	289.3	17,600*	38.6	300.5	15,700	42.5	309.4	13,400	48.4	320.4	9,700	53.6	327.3	6,100	185
190	28.2	271.4	14,200*	31.7	281.5	16,900*	36.3	293.8	14,800	40.3	303.7	12,600	46.4	315.8	9,000	51.8	323.5	5,500	190
195	25.0	261.3	13,800*	28.8	272.8	16,100	33.7	286.6	14,000	38.1	297.5	11,900	44.4	310.8	8,300	49.9	319.3	4,900	195
200	21.3	249.4	13,500*	25.6	262.9	15,300	31.0	278.6	13,200	35.7	290.7	11,100	42.3	305.4	7,700	48.0	314.9	4,300	200
205	16.8	234.6	13,300*	22.0	251.4	14,400	28.1	269.6	12,400	33.1	283.3	10,400	40.1	299.6	7,100				205
210	10.6	213.5	13,100*	17.7	237.2	13,700	24.8	259.4	11,700	30.3	275.1	9,800	37.8	293.3	6,500				210
215				12.0	217.9	12,900	21.1	247.4	11,000	27.3	265.9	9,100	35.4	286.5	6,000				215
220							16.6	232.5	10,300	24.0	255.3	8,500	32.8	279.0	5,400				220
225							10.2	210.9	9,700	20.1	242.7	7,900	30.0	270.7	4,900				225
230										15.3	226.7	7,300	27.0	261.3	4,400				230
235										7.9	201.5	6,700	23.6	250.6	4,000				235



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

170 Ft. Boom, 210 Ft. Jib

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	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	34,900*							100
105	64.4	366.8	28,800*	66.2	369.2	34,700*	68.8	372.0	34,900*							105
110	62.9	364.3	28,100*	64.7	366.9	33,400*	67.4	369.9	34,800*							110
115	61.4	361.6	27,000*	63.2	364.4	32,200*	65.9	367.7	34,700*							115
120	59.8	358.8	25,800*	61.6	361.8	30,900*	64.4	365.4	33,600	67.0	368.0	29,900				120
125	58.2	355.7	24,600*	60.1	358.9	29,600*	62.8	362.8	31,400	65.5	365.7	28,000				125
130	56.6	352.5	23,500*	58.5	355.9	28,400*	61.3	360.2	29,500	64.0	363.3	26,100				130
135	54.9	349.0	22,400*	56.9	352.7	27,200*	59.7	357.3	27,700	62.5	360.8	24,500				135
140	53.2	345.4	21,400*	55.2	349.3	26,000*	58.1	354.2	26,000	60.9	358.0	22,900				140
145	51.5	341.4	20,400*	53.5	345.7	24,800*	56.5	351.0	24,500	59.3	355.1	21,500				145
150	49.7	337.3	19,400*	51.8	341.8	23,700*	54.8	347.5	23,000	57.7	352.0	20,200	62.3	357.1	15,400	150
155	47.9	332.9	18,600*	50.0	337.7	22,600*	53.1	343.8	21,700	56.1	348.7	18,900	60.7	354.3	14,400	155
160	46.0	328.1	17,700*	48.2	333.3	21,600*	51.4	339.9	20,400	54.4	345.2	17,700	59.1	351.4	13,300	160
165	44.1	323.1	16,900*	46.3	328.6	20,600*	49.6	335.7	19,300	52.7	341.5	16,700	57.5	348.3	12,400	165
170	42.0	317.6	16,200*	44.4	323.6	19,700*	47.8	331.3	18,200	51.0	337.5	15,600	55.9	344.9	11,500	170
175	39.9	311.8	15,600*	42.4	318.3	18,900*	45.9	326.5	17,100	49.2	333.2	14,700	54.2	341.4	10,700	175
180	37.8	305.5	15,000*	40.3	312.5	18,100*	44.0	321.5	16,100	47.3	328.7	13,800	52.5	337.6	9,900	180
185	35.5	298.7	14,400*	38.2	306.3	17,300*	41.9	316.0	15,200	45.4	323.9	12,900	50.8	333.6	9,200	185
190	33.0	291.3	13,800*	35.9	299.6	16,600*	39.9	310.2	14,300	43.5	318.7	12,100	49.0	329.3	8,500	190
195	30.4	283.1	13,300*	33.5	292.3	15,700	37.7	303.9	13,500	41.4	313.2	11,400	47.1	324.8	7,800	195
200	27.5	273.9	12,900*	30.9	284.2	14,800	35.3	297.0	12,700	39.3	307.3	10,600	45.2	319.9	7,200	200
205	24.4	263.5	12,600*	28.1	275.3	14,000	32.9	289.6	12,000	37.1	300.8	9,900	43.3	314.7	6,600	205
210	20.8	251.2	12,300*	25.0	265.1	13,300	30.3	281.3	11,300	34.8	293.8	9,300	41.2	309.2	6,000	210
215	16.4	236.0	12,200*	21.5	253.3	12,500	27.4	272.1	10,600	32.3	286.2	8,600	39.1	303.2	5,400	215
220	10.3	214.4	11,300*	17.3	238.8	11,800	24.2	261.6	9,900	29.6	277.7	8,000	36.8	296.7	4,900	220
225				11.7	218.9	11,100	20.6	249.2	9,300	26.7	268.2	7,500	34.5	289.6	4,400	225
230							16.2	233.9	8,700	23.4	257.3	6,900				230
235							10.0	211.7	8,100	19.6	244.4	6,400				235
240										14.9	228.0	5,800				240
245										7.7	202.2	5,300				245

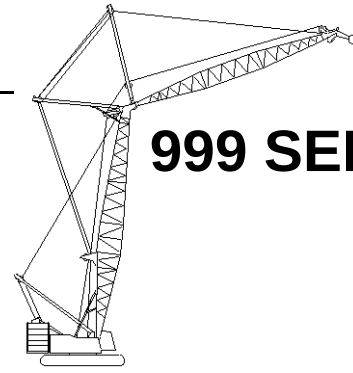


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



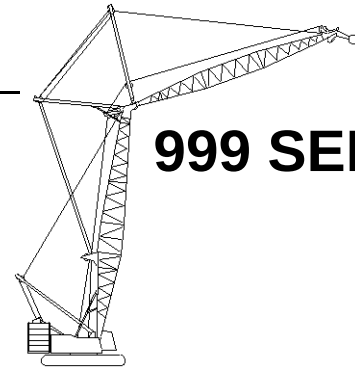
170 Ft. Boom, 220 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			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	75.4	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	31,800*							105
110	64.2	375.5	26,500*	65.9	377.9	31,800*	68.4	380.7	31,700*							110
115	62.8	373.0	26,000*	64.5	375.6	30,700*	67.0	378.7	31,600*							115
120	61.3	370.3	24,900*	63.0	373.1	29,600*	65.6	376.4	31,500*							120
125	59.8	367.4	23,800*	61.6	370.4	28,500*	64.2	374.1	30,800	66.7	376.7	27,200				125
130	58.3	364.4	22,800*	60.1	367.6	27,400*	62.7	371.5	28,800	65.3	374.4	25,400				130
135	56.7	361.2	21,800*	58.5	364.6	26,300*	61.2	368.8	27,000	63.8	372.0	23,800				135
140	55.1	357.7	20,800*	57.0	361.4	25,200*	59.7	365.9	25,400	62.3	369.4	22,200				140
145	53.5	354.1	19,900*	55.4	358.0	24,100*	58.2	362.9	23,800	60.9	366.7	20,800				145
150	51.9	350.3	19,000*	53.8	354.4	23,100*	56.6	359.7	22,400	59.4	363.8	19,500				150
155	50.2	346.2	18,100*	52.2	350.6	22,100*	55.1	356.2	21,100	57.8	360.7	18,200	62.2	365.7	13,600	155
160	48.5	341.8	17,300*	50.5	346.5	21,200*	53.5	352.6	19,800	56.3	357.4	17,100	60.7	363.0	12,600	160
165	46.7	337.2	16,600*	48.8	342.3	20,200*	51.8	348.7	18,600	54.7	353.9	16,000	59.2	360.0	11,700	165
170	44.9	332.3	15,900*	47.0	337.7	19,400*	50.1	344.6	17,500	53.1	350.2	15,000	57.6	356.9	10,800	170
175	43.0	327.0	15,200*	45.2	332.8	18,500*	48.4	340.3	16,500	51.4	346.3	14,000	56.1	353.6	10,000	175
180	41.0	321.4	14,600*	43.3	327.6	17,800*	46.6	335.6	15,500	49.7	342.1	13,100	54.5	350.1	9,200	180
185	39.0	315.4	14,000*	41.4	322.1	17,000*	44.8	330.7	14,600	48.0	337.7	12,300	52.9	346.4	8,400	185
190	36.9	308.9	13,500*	39.4	316.1	16,000	42.9	325.4	13,700	46.2	333.0	11,500	51.2	342.4	7,700	190
195	34.6	301.8	13,000*	37.3	309.7	15,100	40.9	319.8	12,900	44.3	328.0	10,700	49.5	338.3	7,100	195
200	32.2	294.2	12,500*	35.0	302.8	14,300	38.9	313.7	12,100	42.4	322.6	10,000	47.8	333.8	6,500	200
205	29.7	285.7	12,100*	32.7	295.2	13,500	36.7	307.2	11,400	40.4	316.9	9,300	46.0	329.1	5,900	205
210	26.9	276.3	11,800*	30.1	286.9	12,700	34.5	300.1	10,700	38.4	310.8	8,700	44.1	324.0	5,300	210
215	23.8	265.6	11,500*	27.4	277.7	12,000	32.1	292.4	10,000	36.2	304.1	8,000	42.2	318.6	4,800	215
220	20.3	253.0	11,300*	24.4	267.3	11,300	29.5	283.9	9,400	33.9	296.9	7,400	40.2	312.8	4,300	220
225	16.0	237.4	10,900*	21.0	255.1	10,600	26.7	274.5	8,700	31.5	289.0	6,900				225
230	10.1	215.3	9,500*	16.9	240.2	10,000	23.6	263.7	8,100	28.9	280.3	6,300				230
235				11.4	219.9	9,300	20.1	251.0	7,600	26.0	270.5	5,800				235
240							15.8	235.2	7,000	22.8	259.4	5,300				240
245							9.7	212.5	6,400	19.1	246.1	4,800				245
250										14.6	229.2	4,300				250

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

170 Ft. Boom, 230 Ft. Jib

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	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	30,300*							110
115	64.0	384.2	23,800*	65.7	386.6	28,100*	68.1	389.5	30,200*							115
120	62.6	381.7	22,800*	64.3	384.3	27,000*	66.7	387.4	30,100*							120
125	61.2	379.0	21,800*	62.9	381.8	26,000*	65.4	385.1	30,000*	67.8	387.6	26,800				125
130	59.8	376.1	20,900*	61.5	379.1	25,000*	64.0	382.7	28,400	66.4	385.4	25,000				130
135	58.3	373.1	20,000*	60.1	376.3	24,100*	62.6	380.2	26,600	65.0	383.1	23,300				135
140	56.9	369.9	19,100*	58.6	373.2	23,100*	61.2	377.5	24,900	63.6	380.7	21,800				140
145	55.4	366.5	18,300*	57.1	370.1	22,100*	59.7	374.6	23,400	62.2	378.1	20,400				145
150	53.8	362.9	17,500*	55.6	366.7	21,200*	58.3	371.6	22,000	60.8	375.4	19,000				150
155	52.3	359.0	16,700*	54.1	363.1	20,300*	56.8	368.3	20,600	59.4	372.4	17,800				155
160	50.7	355.0	16,000*	52.5	359.4	19,500*	55.3	364.9	19,400	57.9	369.4	16,700	62.1	374.4	12,200	160
165	49.0	350.8	15,300*	51.0	355.4	18,700*	53.7	361.3	18,200	56.4	366.1	15,600	60.7	371.6	11,200	165
170	47.3	346.2	14,600*	49.3	351.2	17,900*	52.2	357.5	17,100	54.9	362.6	14,600	59.2	368.7	10,400	170
175	45.6	341.4	14,000*	47.6	346.7	17,100*	50.6	353.5	16,100	53.4	359.0	13,600	57.7	365.6	9,500	175
180	43.8	336.3	13,500*	45.9	341.9	16,400*	48.9	349.2	15,100	51.8	355.1	12,700	56.3	362.3	8,800	180
185	42.0	330.9	12,900*	44.2	336.9	15,800*	47.3	344.7	14,200	50.2	351.0	11,900	54.7	358.8	8,000	185
190	40.1	325.1	12,400*	42.3	331.5	15,100*	45.5	339.8	13,300	48.5	346.7	11,100	53.2	355.2	7,300	190
195	38.1	318.8	11,900*	40.4	325.8	14,500*	43.7	334.7	12,500	46.8	342.1	10,300	51.6	351.3	6,700	195
200	36.0	312.1	11,500*	38.5	319.6	13,900*	41.9	329.3	11,800	45.1	337.2	9,600	50.0	347.1	6,100	200
205	33.8	304.9	11,100*	36.4	313.0	13,100	40.0	323.4	11,000	43.3	332.0	8,900	48.3	342.8	5,500	205
210	31.5	297.0	10,800*	34.2	305.9	12,400	38.0	317.2	10,300	41.4	326.4	8,300	46.6	338.1	4,900	210
215	29.0	288.3	10,500*	31.9	298.1	11,600	35.9	310.5	9,600	39.5	320.5	7,600	44.9	333.2	4,400	215
220	26.3	278.6	10,200*	29.5	289.6	10,900	33.7	303.2	9,000	37.5	314.2	7,100				220
225	23.3	267.6	10,000*	26.8	280.1	10,300	31.4	295.2	8,400	35.4	307.3	6,500				225
230	19.8	254.7	9,900*	23.8	269.4	9,600	28.9	286.5	7,800	33.2	299.9	5,900				230
235	15.7	238.8	9,300*	20.5	256.9	9,000	26.1	276.8	7,200	30.8	291.8	5,400				235
240	9.9	216.1	7,900*	16.5	241.7	8,400	23.1	265.7	6,700	28.2	282.8	4,900				240
245				11.2	220.9	7,800	19.6	252.7	6,100	25.4	272.8	4,400				245
250							15.4	236.6	5,600	22.3	261.3	4,000				250
255							9.5	213.4	5,100							255

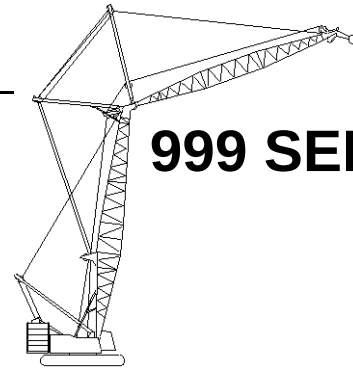


Liftcrane Luffing Jib Capacities

999 SERIES 3

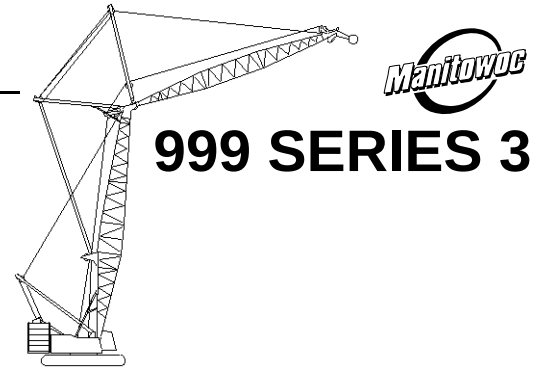
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



170 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	75.4	409.9	24,800*										75
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	27,000*				115
120	63.9	392.9	21,900*	65.4	395.3	25,700*	67.8	398.3	26,900*				120
125	62.5	390.3	21,100*	64.1	393.0	24,900*	66.5	396.1	26,800*				125
130	61.2	387.6	20,200*	62.8	390.4	24,000*	65.1	393.8	26,700*	67.4	396.3	24,300	130
135	59.8	384.8	19,400*	61.4	387.7	23,100*	63.8	391.4	26,000	66.1	394.1	22,600	135
140	58.4	381.7	18,600*	60.1	384.9	22,300*	62.5	388.9	24,300	64.8	391.8	21,100	140
145	57.0	378.5	17,800*	58.7	381.9	21,400*	61.1	386.1	22,800	63.5	389.4	19,700	145
150	55.6	375.2	17,100*	57.3	378.7	20,600*	59.7	383.3	21,400	62.1	386.8	18,400	150
155	54.1	371.6	16,300*	55.8	375.4	19,800*	58.3	380.2	20,000	60.8	384.0	17,100	155
160	52.6	367.8	15,600*	54.4	371.9	19,000*	56.9	377.0	18,800	59.4	381.1	16,000	160
165	51.1	363.9	15,000*	52.9	368.1	18,300*	55.5	373.6	17,600	58.0	378.0	14,900	165
170	49.5	359.7	14,400*	51.4	364.2	17,500*	54.0	370.1	16,500	56.6	374.8	13,900	170
175	47.9	355.2	13,800*	49.8	360.1	16,800*	52.5	366.3	15,500	55.1	371.4	13,000	175
180	46.3	350.5	13,200*	48.2	355.7	16,100*	51.0	362.3	14,500	53.7	367.7	12,100	180
185	44.6	345.5	12,700*	46.6	351.0	15,500*	49.4	358.1	13,600	52.2	363.9	11,200	185
190	42.9	340.3	12,200*	44.9	346.1	14,900*	47.8	353.6	12,800	50.6	359.9	10,400	190
195	41.1	334.6	11,700*	43.2	340.9	14,200	46.2	348.9	11,900	49.1	355.6	9,700	195
200	39.2	328.6	11,300*	41.4	335.3	13,400	44.5	343.9	11,200	47.4	351.1	9,000	200
205	37.3	322.2	10,900*	39.5	329.4	12,600	42.8	338.6	10,400	45.8	346.3	8,300	205
210	35.2	315.3	10,500*	37.6	323.0	11,800	41.0	333.0	9,700	44.1	341.3	7,600	210
215	33.1	307.9	10,100*	35.6	316.2	11,100	39.1	327.0	9,100	42.3	335.9	7,000	215
220	30.8	299.7	9,800*	33.5	308.9	10,400	37.2	320.6	8,400	40.5	330.2	6,400	220
225	28.4	290.8	9,600*	31.2	300.9	9,700	35.1	313.6	7,800	38.6	324.0	5,900	225
230	25.7	280.9	9,400*	28.8	292.1	9,100	33.0	306.1	7,200	36.7	317.5	5,300	230
235	22.8	269.6	8,800*	26.2	282.4	8,500	30.7	298.0	6,700	34.6	310.4	4,800	235
240	19.4	256.4	8,200*	23.3	271.4	7,900	28.2	289.0	6,100	32.4	302.8	4,300	240
245	15.3	240.1	7,700*	20.1	258.7	7,400	25.6	279.0	5,600				245
250	9.7	216.9	6,300*	16.1	243.1	6,800	22.6	267.7	5,100				250
255				10.9	221.8	6,300	19.2	254.4	4,600				255
260							15.1	237.9	4,100				260



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

180 Ft. Boom, 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	102,500*b													60
65	43.7	235.4	75,800*	50.8	241.0	90,400*	60.3	246.7	97,300*b													65
70	37.3	229.4	70,300*	45.2	236.4	83,800*	55.4	243.4	91,300b	64.3	247.5	86,800b										70
75	29.7	221.5	66,000*	39.0	230.6	77,300*	50.2	239.5	83,700	59.6	244.8	79,600b										75
80	19.4	210.0	63,100*	31.8	223.3	72,000*	44.5	234.7	77,200	54.7	241.4	73,400b										80
85							38.2	228.8	71,500	49.4	237.3	68,000										85
90							30.7	221.2	66,500	43.7	232.4	63,200	59.9	241.3	57,800b							90
95							21.0	210.4	62,000	37.2	226.3	59,000	55.0	238.0	53,900b							95
100										29.6	218.4	55,300	49.7	234.0	50,500							100
105										19.2	206.8	51,900	44.0	229.1	47,400							105
110													37.6	223.1	44,600	54.9	233.0	40,400b				110
115													30.0	215.4	42,100	49.6	229.0	38,100				115
120													20.0	204.1	39,700	43.9	224.1	36,000				120
125																37.5	218.1	34,100				125
130																29.9	210.3	32,300	49.0	222.3	28,900	130
135																19.7	199.0	30,600	43.2	217.3	27,400	135
140																			36.7	211.1	26,000	140
145																			28.9	203.1	24,700	145
150																			18.2	191.0	23,500	150

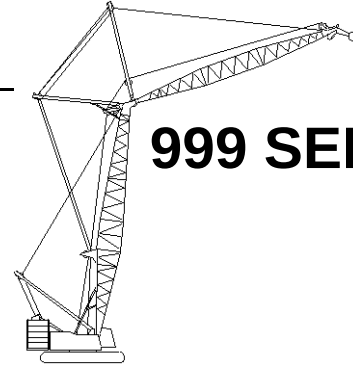


Liftcrane Luffing Jib Capacities

999 SERIES 3

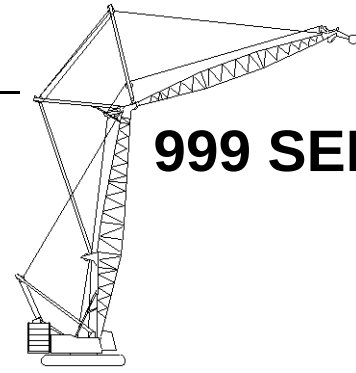
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



180 Ft. Boom, 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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	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	93,600*b	68.3	260.4	99,000*b													60
65	50.9	249.2	72,700*	56.5	253.6	86,800*	64.3	258.1	89,300b													65
70	46.0	244.6	67,000*	52.1	249.9	80,400*	60.2	255.3	81,000b	67.7	258.6	75,100b										70
75	40.7	239.2	62,200*	47.3	245.5	74,500*	56.0	252.1	74,000	63.8	256.2	68,500b										75
80	34.7	232.5	58,100*	42.1	240.3	69,200*	51.5	248.3	68,000	59.7	253.4	62,900										80
85	27.6	223.9	54,800*	36.3	233.9	64,200*	46.7	243.8	62,700	55.4	250.1	58,000										85
90	18.0	211.5	52,800*	29.6	225.9	60,100*	41.4	238.5	58,100	50.8	246.2	53,700										90
95				20.9	214.9	57,200*	35.6	232.0	54,000	46.0	241.7	49,900	59.9	250.0	43,000							95
100							28.6	223.7	50,400	40.7	236.2	46,500	55.6	246.7	40,000							100
105							19.5	212.1	47,000	34.7	229.5	43,400	51.1	242.9	37,300							105
110										27.5	220.9	40,700	46.3	238.3	34,900							110
115										17.9	208.4	38,100	41.0	232.9	32,700	55.5	241.8	27,300				115
120													35.0	226.3	30,700	51.0	237.9	25,500				120
125													28.0	217.9	28,800	46.2	233.4	23,900				125
130													18.6	205.7	27,100	40.9	227.9	22,500				130
135																34.9	221.3	21,100	50.5	231.2	16,700	135
140																27.9	212.8	19,800	45.6	226.6	15,600	140
145																18.4	200.5	18,500	40.3	221.0	14,600	145
150																			34.2	214.2	13,700	150
155																			27.0	205.5	12,700	155
160																			17.0	192.5	11,800	160



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

180 Ft. Boom, 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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	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	93,200*b													60
65	55.9	261.8	69,900*	60.7	265.4	83,500*	67.4	269.1	88,900b													65
70	52.0	258.1	64,900*	56.9	262.3	77,700*	63.8	266.8	80,600b													70
75	47.7	253.7	60,200*	53.0	258.7	72,200*	60.2	264.0	73,600	66.9	267.3	68,000b										75
80	43.2	248.7	55,700*	48.8	254.5	67,000*	56.4	260.8	67,600	63.3	264.9	62,400										80
85	38.3	242.7	52,000*	44.4	249.6	62,400*	52.5	257.1	62,400	59.7	262.1	57,500										85
90	32.7	235.4	48,800*	39.6	243.9	57,900*	48.3	252.9	57,800	55.9	258.8	53,200										90
95	26.0	226.2	46,400*	34.2	237.0	54,100*	43.8	247.9	53,700	51.9	255.1	49,500										95
100	16.9	213.0	44,900*	27.8	228.4	51,000*	38.9	242.1	50,100	47.7	250.7	46,100	59.9	258.7	39,500							100
105				19.6	216.6	48,800*	33.4	235.0	46,900	43.2	245.7	43,100	56.1	255.4	36,800							105
110							26.9	226.1	43,900	38.2	239.7	40,400	52.2	251.7	34,400							110
115							18.3	213.6	41,200	32.6	232.4	37,900	48.0	247.4	32,300							115
120										25.9	223.2	35,600	43.4	242.4	30,300	56.1	250.5	25,000				120
125										16.8	209.8	33,400	38.5	236.5	28,500	52.1	246.7	23,400				125
130													32.9	229.3	26,800	47.9	242.4	22,000				130
135													26.3	220.2	25,200	43.4	237.4	20,600				135
140													17.5	207.2	23,700	38.4	231.4	19,400	51.6	240.1	15,100	140
145																32.8	224.2	18,200	47.4	235.7	14,100	145
150																26.2	215.1	17,100	42.8	230.6	13,200	150
155																17.3	202.0	16,000	37.8	224.5	12,300	155
160																			32.1	217.1	11,500	160
165																			25.3	207.7	10,700	165
170																			16.0	193.8	9,900	170



Liftcrane Luffing Jib Capacities

999 SERIES 3

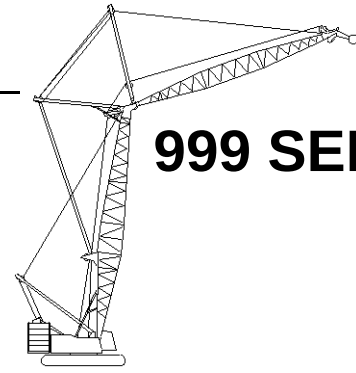
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



180 Ft. Boom, 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	80,200*	69.7	279.9	85,000*b													65
70	56.4	270.5	62,800*	60.6	274.1	75,000*	66.6	277.8	79,900													70
75	52.8	266.9	58,300*	57.2	271.0	70,000*	63.5	275.4	72,900													75
80	49.1	262.7	54,300*	53.7	267.4	65,300*	60.2	272.7	66,900	66.2	276.0	61,600										80
85	45.1	257.9	50,600*	50.1	263.4	60,800*	56.8	269.5	61,700	63.0	273.6	56,700										85
90	40.9	252.4	47,100*	46.2	258.8	56,600*	53.3	265.9	57,100	59.7	270.7	52,500										90
95	36.2	246.0	44,200*	42.0	253.5	53,000*	49.6	261.8	53,100	56.3	267.5	48,700										95
100	30.9	238.2	41,800*	37.4	247.3	49,400*	45.6	257.1	49,500	52.8	263.9	45,400										100
105	24.6	228.4	39,900*	32.3	239.9	46,400*	41.4	251.7	46,300	49.0	259.7	42,400	59.9	267.3	36,000							105
110	16.0	214.3	38,800*	26.3	230.8	44,000*	36.8	245.4	43,400	45.1	254.9	39,700	56.5	264.1	33,600							110
115				18.6	218.2	42,300*	31.6	237.9	40,700	40.8	249.4	37,200	53.0	260.5	31,500							115
120							25.5	228.4	38,300	36.1	242.9	35,000	49.3	256.4	29,500							120
125							17.4	215.1	36,000	30.8	235.2	32,900	45.3	251.6	27,700	56.5	259.2	22,500				125
130										24.5	225.3	31,000	41.1	246.2	26,000	52.9	255.5	21,100				130
135										15.9	211.2	29,200	36.4	239.8	24,500	49.2	251.4	19,800				135
140													31.2	232.1	23,100	45.2	246.6	18,600				140
145													24.9	222.4	21,700	41.0	241.2	17,400	52.5	248.9	13,200	145
150													16.5	208.6	20,500	36.3	234.7	16,400	48.8	244.7	12,300	150
155																31.1	227.0	15,400	44.8	239.9	11,400	155
160																24.8	217.3	14,400	40.5	234.3	10,600	160
165																16.3	203.4	13,500	35.8	227.7	9,900	165
170																			30.4	219.9	9,200	170
175																			24.0	209.8	8,500	175
180																			15.1	195.1	7,800	180



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

180 Ft. Boom, 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	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	72,000*	68.9	288.7	77,900*													70
75	56.7	279.2	56,400*	60.6	282.7	67,500*	66.1	286.5	72,700													75
80	53.5	275.6	52,500*	57.5	279.6	63,200*	63.2	284.1	66,700													80
85	50.2	271.6	48,900*	54.3	276.2	59,100*	60.2	281.3	61,500	65.7	284.7	56,500										85
90	46.6	267.0	45,800*	51.0	272.3	55,200*	57.1	278.2	57,000	62.7	282.2	52,300										90
95	42.9	261.9	42,700*	47.5	267.8	51,500*	53.9	274.7	52,900	59.8	279.4	48,500										95
100	38.9	256.0	40,100*	43.9	262.9	48,200*	50.6	270.7	49,400	56.7	276.2	45,200										100
105	34.4	249.1	37,800*	39.9	257.1	45,300*	47.1	266.2	46,200	53.5	272.6	42,200	62.9	278.8	35,700							105
110	29.4	240.8	35,900*	35.6	250.5	42,400*	43.4	261.2	43,300	50.1	268.6	39,500	59.9	276.0	33,400							110
115	23.4	230.5	34,400*	30.7	242.7	40,000*	39.4	255.3	40,700	46.6	264.1	37,100	56.8	272.8	31,200							115
120	15.2	215.6	33,600*	25.1	233.0	38,000*	35.0	248.6	38,300	42.8	258.9	34,900	53.6	269.3	29,300							120
125				17.7	219.7	36,700*	30.1	240.6	36,000	38.8	253.0	32,800	50.3	265.3	27,500							125
130							24.2	230.5	34,000	34.4	246.1	31,000	46.8	260.7	25,900	56.8	267.9	20,900				130
135							16.5	216.6	32,100	29.3	237.8	29,200	43.1	255.6	24,400	53.6	264.3	19,600				135
140										23.3	227.4	27,600	39.1	249.7	23,000	50.3	260.3	18,400				140
145										15.1	212.5	26,000	34.6	242.9	21,700	46.7	255.8	17,200				145
150													29.6	234.7	20,400	43.0	250.6	16,200				150
155													23.7	224.5	19,300	39.0	244.7	15,200	49.9	253.6	11,200	155
160													15.7	210.0	18,100	34.6	237.9	14,300	46.3	249.0	10,400	160
165																29.6	229.7	13,400	42.6	243.8	9,700	165
170																23.6	219.4	12,600	38.5	237.8	9,000	170
175																15.5	204.8	11,700	34.0	230.8	8,400	175
180																			28.9	222.4	7,700	180
185																			22.8	211.8	7,100	185
190																			14.3	196.3	6,500	190

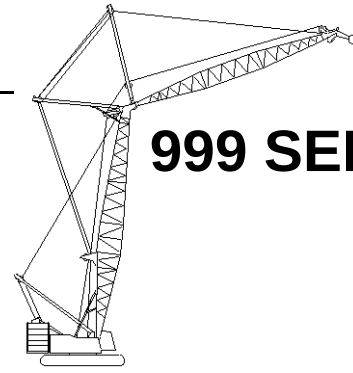


Liftcrane Luffing Jib Capacities

999 SERIES 3

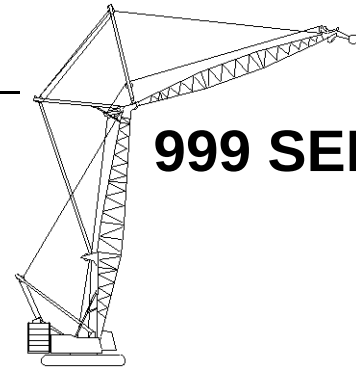
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



180 Ft. Boom, 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	75.4	303.8	63,500*																			45
50	72.9	302.3	61,700*																			50
55	70.4	300.6	59,900*	73.6	302.3	73,300*																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	71,800*													70
75	59.8	291.0	53,500*	63.2	294.1	64,900*	68.2	297.4	71,500*													75
80	57.0	287.9	50,900*	60.5	291.4	61,000*	65.6	295.2	66,000													80
85	54.1	284.4	47,500*	57.7	288.3	57,300*	62.9	292.8	60,800	67.8	295.6	55,700										85
90	51.0	280.5	44,400*	54.8	284.9	53,700*	60.2	290.0	56,300	65.2	293.4	51,500										90
95	47.9	276.1	41,700*	51.8	281.1	50,300*	57.3	286.9	52,300	62.5	290.9	47,800										95
100	44.5	271.2	39,100*	48.7	276.8	47,100*	54.4	283.4	48,700	59.8	288.1	44,500										100
105	41.0	265.6	36,600*	45.4	272.1	44,100*	51.4	279.5	45,500	56.9	284.9	41,500										105
110	37.1	259.3	34,500*	41.9	266.7	41,400*	48.3	275.2	42,700	54.0	281.4	38,800	62.7	287.5	32,500							110
115	32.9	252.0	32,700*	38.1	260.6	39,000*	45.0	270.4	40,000	51.0	277.5	36,400	59.9	284.6	30,400							115
120	28.1	243.3	31,200*	34.0	253.6	36,700*	41.4	265.0	37,700	47.8	273.1	34,200	57.1	281.5	28,500							120
125	22.4	232.4	30,100*	29.4	245.3	34,800*	37.6	258.8	35,500	44.5	268.2	32,200	54.2	278.0	26,700							125
130	14.6	216.9	29,500*	23.9	235.1	33,300*	33.5	251.6	33,500	40.9	262.6	30,300	51.2	274.1	25,100							130
135				16.9	221.2	32,200*	28.7	243.1	31,600	37.1	256.3	28,600	48.0	269.8	23,600	57.1	276.5	18,700				135
140							23.2	232.6	29,900	32.8	249.0	27,000	44.7	264.9	22,200	54.2	273.0	17,500				140
145							15.8	217.9	28,200	28.0	240.3	25,500	41.1	259.4	20,900	51.1	269.1	16,400				145
150										22.3	229.3	24,100	37.3	253.1	19,700	48.0	264.8	15,400				150
155										14.4	213.7	22,800	33.1	245.9	18,600	44.6	259.9	14,400				155
160													28.3	237.2	17,500	41.1	254.4	13,500	50.8	262.5	9,500	160
165													22.7	226.5	16,500	37.2	248.1	12,700	47.6	258.1	8,800	165
170													15.0	211.3	15,500	33.0	240.8	11,900	44.2	253.1	8,200	170
175																28.2	232.2	11,100	40.6	247.5	7,500	175
180																22.5	221.4	10,300	36.8	241.1	6,900	180
185																14.9	206.0	9,600	32.5	233.7	6,400	185
190																			27.7	224.9	5,800	190
195																			21.8	213.7	5,300	195
200																			13.7	197.5	4,700	200



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

180 Ft. Boom, 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	74.3	312.8	57,700*																			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	66,100*													75
80	59.8	299.7	49,300*	63.0	302.8	58,900*	67.6	306.2	65,500													80
85	57.2	296.6	46,200*	60.5	300.0	55,500*	65.1	303.9	60,300													85
90	54.5	293.1	43,300*	57.9	297.0	52,200*	62.7	301.4	55,800	67.2	304.4	50,900										90
95	51.8	289.3	40,600*	55.2	293.6	49,100*	60.1	298.6	51,800	64.8	302.1	47,200										95
100	48.9	285.0	38,000*	52.5	289.9	46,100*	57.6	295.6	48,200	62.3	299.6	43,900										100
105	45.9	280.3	35,900*	49.6	285.8	43,300*	54.9	292.1	45,100	59.8	296.7	41,000										105
110	42.7	275.1	33,800*	46.6	281.2	40,700*	52.1	288.4	42,200	57.2	293.6	38,300										110
115	39.3	269.2	31,800*	43.5	276.1	38,200*	49.3	284.2	39,600	54.5	290.1	35,900	62.5	296.1	29,800							115
120	35.6	262.6	30,100*	40.2	270.4	36,100*	46.2	279.6	37,200	51.7	286.3	33,700	59.9	293.3	27,900							120
125	31.5	254.9	28,600*	36.6	263.9	34,100*	43.1	274.4	35,100	48.8	282.1	31,700	57.3	290.2	26,100							125
130	26.9	245.7	27,400*	32.6	256.5	32,200*	39.7	268.6	33,100	45.8	277.4	29,900	54.7	286.7	24,500							130
135	21.4	234.3	26,500*	28.2	247.8	30,700*	36.1	262.0	31,200	42.6	272.1	28,200	51.9	282.9	23,100							135
140	14.0	218.1	26,100*	23.0	237.1	29,400*	32.1	254.5	29,500	39.2	266.2	26,600	49.0	278.7	21,700	57.3	285.2	16,900				140
145				16.2	222.6	28,600*	27.6	245.6	27,900	35.5	259.5	25,100	46.0	274.0	20,400	54.6	281.8	15,800				145
150							22.2	234.5	26,400	31.5	251.8	23,700	42.8	268.8	19,200	51.8	278.0	14,800				150
155							15.1	219.2	25,000	26.9	242.7	22,500	39.4	263.0	18,100	49.0	273.7	13,800				155
160										21.4	231.2	21,200	35.8	256.4	17,100	45.9	269.1	13,000				160
165										13.9	214.9	20,100	31.7	248.7	16,100	42.8	263.8	12,100	51.5	271.3	8,200	165
170													27.2	239.7	15,200	39.4	258.0	11,300	48.6	267.0	7,600	170
175													21.7	228.4	14,300	35.7	251.3	10,600	45.6	262.3	7,000	175
180													14.4	212.5	13,400	31.7	243.7	9,900	42.4	257.0	6,400	180
185																27.1	234.6	9,200	39.0	251.1	5,800	185
190																21.6	223.2	8,600	35.3	244.3	5,300	190
195																14.2	207.3	7,900	31.2	236.5	4,800	195
200																			26.5	227.2	4,300	200

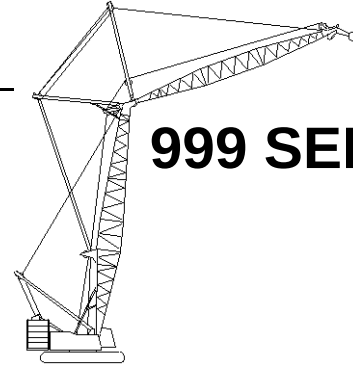


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



180 Ft. Boom, 140 Ft. Jib

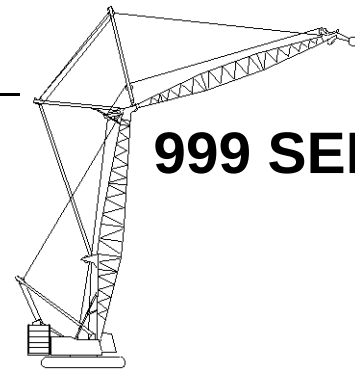
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			65 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing 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	75.4	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	60,700*													80
85	59.8	308.4	44,700*	62.8	311.5	53,500*	67.0	314.9	59,600													85
90	57.4	305.2	42,000*	60.4	308.7	50,500*	64.8	312.6	55,100													90
95	54.9	301.8	39,500*	58.0	305.7	47,700*	62.5	310.1	51,100	66.7	313.1	46,400										95
100	52.4	298.1	37,100*	55.6	302.3	44,900*	60.1	307.3	47,500	64.5	310.8	43,100										100
105	49.7	294.0	34,900*	53.0	298.7	42,300*	57.7	304.2	44,400	62.2	308.2	40,200										105
110	47.0	289.4	32,900*	50.4	294.6	39,800*	55.3	300.9	41,500	59.8	305.4	37,600										110
115	44.1	284.4	31,100*	47.7	290.2	37,500*	52.7	297.1	38,900	57.4	302.3	35,200										115
120	41.0	278.9	29,400*	44.8	285.3	35,300*	50.1	293.1	36,600	54.9	298.8	33,000	62.3	304.8	27,100							120
125	37.8	272.7	27,700*	41.8	279.9	33,300*	47.3	288.6	34,400	52.4	295.1	31,000	59.9	302.0	25,300							125
130	34.2	265.7	26,400*	38.6	273.9	31,600*	44.5	283.7	32,400	49.7	291.0	29,200	57.5	298.9	23,700							130
135	30.3	257.6	25,200*	35.2	267.1	30,000*	41.4	278.2	30,600	46.9	286.4	27,500	55.1	295.5	22,300							135
140	25.9	248.0	24,200*	31.4	259.3	28,400*	38.2	272.1	28,900	44.0	281.4	25,900	52.5	291.7	20,900							140
145	20.6	236.1	23,500*	27.1	250.2	27,100*	34.7	265.2	27,400	41.0	275.9	24,500	49.9	287.6	19,600	57.5	293.9	14,900				145
150	13.4	219.2	23,200*	22.1	239.0	26,100*	30.9	257.3	25,900	37.7	269.7	23,100	47.1	283.1	18,500	55.0	290.5	13,900				150
155				15.6	223.9	25,400*	26.5	247.9	24,500	34.2	262.6	21,800	44.2	278.1	17,400	52.5	286.8	13,000				155
160							21.4	236.4	23,200	30.3	254.5	20,600	41.2	272.6	16,400	49.8	282.6	12,100				160
165							14.6	220.5	22,000	25.9	245.0	19,500	37.9	266.5	15,400	47.1	278.1	11,300				165
170										20.6	233.0	18,500	34.4	259.5	14,500	44.2	273.1	10,500	52.2	280.1	6,700	170
175										13.3	216.0	17,400	30.5	251.5	13,600	41.1	267.6	9,800	49.5	276.0	6,100	175
180													26.2	242.0	12,800	37.9	261.4	9,100	46.7	271.4	5,500	180
185													20.9	230.2	12,000	34.3	254.4	8,500	43.8	266.4	5,000	185
190													13.8	213.7	11,200	30.5	246.4	7,800	40.8	260.8	4,500	190
195																26.1	236.9	7,200	37.5	254.5	4,000	195
200																20.8	225.1	6,700				200
205																13.7	208.4	6,100				205



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

180 Ft. Boom, 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	55,700*										80
85	62.0	319.8	42,400*	64.7	322.7	51,600*	68.6	325.8	55,700*										85
90	59.8	317.0	41,100*	62.6	320.1	49,100*	66.6	323.7	54,800										90
95	57.6	313.9	38,700*	60.4	317.4	46,500*	64.5	321.3	50,800										95
100	55.3	310.5	36,500*	58.2	314.3	44,000*	62.3	318.8	47,300	66.3	321.8	42,900							100
105	52.9	306.9	34,400*	55.9	311.0	41,600*	60.1	316.0	44,100	64.2	319.5	40,000							105
110	50.5	302.8	32,400*	53.5	307.4	39,300*	57.9	312.9	41,300	62.0	316.9	37,300							110
115	47.9	298.4	30,600*	51.1	303.5	37,100*	55.6	309.6	38,700	59.8	314.0	34,900							115
120	45.3	293.6	29,000*	48.6	299.2	35,000*	53.2	305.9	36,400	57.6	310.9	32,700							120
125	42.5	288.3	27,400*	46.0	294.5	33,100*	50.8	301.9	34,200	55.3	307.6	30,800	62.1	313.4	25,100				125
130	39.6	282.5	26,000*	43.2	289.3	31,300*	48.3	297.6	32,200	52.9	303.9	28,900	59.9	310.6	23,500				130
135	36.4	276.0	24,700*	40.3	283.6	29,600*	45.6	292.8	30,400	50.4	299.8	27,200	57.7	307.5	22,000				135
140	33.0	268.6	23,500*	37.2	277.3	28,200*	42.9	287.6	28,700	47.9	295.5	25,700	55.4	304.2	20,700				140
145	29.3	260.2	22,500*	33.9	270.2	26,800*	39.9	281.9	27,200	45.2	290.6	24,200	53.0	300.5	19,400				145
150	25.0	250.2	21,700*	30.3	262.1	25,400*	36.8	275.4	25,700	42.5	285.3	22,900	50.6	296.5	18,200	57.7	302.6	13,700	150
155	19.9	237.8	21,200*	26.2	252.5	24,400*	33.5	268.2	24,400	39.5	279.5	21,600	48.0	292.1	17,200	55.4	299.2	12,700	155
160	13.0	220.3	20,900*	21.3	240.9	23,500*	29.8	259.9	23,100	36.4	273.0	20,500	45.4	287.3	16,100	53.0	295.5	11,900	160
165				15.0	225.2	23,000*	25.6	250.2	21,900	33.0	265.6	19,400	42.6	282.1	15,200	50.5	291.5	11,100	165
170							20.6	238.2	20,700	29.2	257.2	18,300	39.7	276.3	14,300	48.0	287.1	10,300	170
175							14.0	221.7	19,600	25.0	247.2	17,300	36.6	269.8	13,400	45.4	282.3	9,600	175
180										19.8	234.7	16,400	33.2	262.5	12,600	42.6	277.1	8,900	180
185										12.9	217.1	15,400	29.5	254.1	11,900	39.6	271.2	8,300	185
190													25.2	244.2	11,100	36.5	264.7	7,600	190
195													20.2	232.0	10,400	33.1	257.4	7,100	195
200													13.4	214.8	9,700	29.4	249.0	6,500	200
205																25.2	239.1	6,000	205
210																20.1	226.8	5,400	210
215																13.2	209.6	4,900	215



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



180 Ft. Boom, 160 Ft. Jib

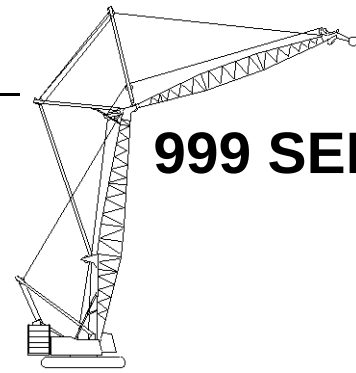
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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	75.4	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	51,100*										85
90	61.9	328.5	39,400*	64.4	331.3	47,000*	68.1	334.5	51,100*										90
95	59.9	325.7	37,500*	62.4	328.8	44,800*	66.2	332.4	50,200										95
100	57.8	322.6	35,400*	60.4	326.0	42,500*	64.2	330.0	46,600	67.8	332.7	42,100							100
105	55.6	319.2	33,400*	58.3	323.0	40,300*	62.2	327.4	43,500	65.9	330.5	39,200							105
110	53.4	315.6	31,600*	56.1	319.7	38,200*	60.1	324.6	40,600	63.9	328.2	36,600							110
115	51.1	311.7	29,800*	54.0	316.2	36,200*	58.0	321.6	38,000	61.9	325.5	34,200							115
120	48.7	307.4	28,200*	51.7	312.3	34,200*	55.9	318.3	35,700	59.8	322.7	32,000							120
125	46.3	302.8	26,700*	49.4	308.1	32,400*	53.7	314.7	33,600	57.7	319.6	30,000							125
130	43.8	297.7	25,300*	46.9	303.6	30,600*	51.4	310.8	31,600	55.6	316.3	28,200	62.0	322.1	22,700				130
135	41.1	292.1	24,100*	44.4	298.6	29,000*	49.1	306.5	29,800	53.4	312.6	26,500	59.9	319.3	21,200				135
140	38.2	286.0	22,900*	41.8	293.2	27,500*	46.6	301.9	28,100	51.1	308.7	25,000	57.8	316.2	19,900				140
145	35.2	279.2	21,800*	39.0	287.2	26,100*	44.1	296.9	26,600	48.7	304.4	23,600	55.7	312.9	18,600				145
150	31.9	271.5	20,900*	36.0	280.6	24,900*	41.4	291.4	25,100	46.3	299.8	22,200	53.5	309.3	17,500				150
155	28.3	262.7	20,000*	32.8	273.1	23,800*	38.6	285.4	23,800	43.7	294.7	21,000	51.2	305.3	16,400	57.8	311.3	11,900	155
160	24.2	252.4	19,400*	29.3	264.7	22,700*	35.6	278.7	22,500	41.0	289.1	19,800	48.9	301.1	15,400	55.7	307.9	11,000	160
165	19.3	239.5	18,900*	25.3	254.8	21,800*	32.4	271.1	21,300	38.2	283.0	18,700	46.4	296.4	14,400	53.4	304.3	10,200	165
170	12.5	221.4	18,800*	20.6	242.7	21,100*	28.8	262.5	20,200	35.2	276.1	17,700	43.9	291.4	13,600	51.2	300.4	9,500	170
175				14.5	226.5	20,700*	24.8	252.4	19,100	31.9	268.5	16,700	41.2	285.9	12,700	48.8	296.1	8,800	175
180							20.0	239.9	18,100	28.3	259.7	15,800	38.4	279.7	11,900	46.4	291.5	8,100	180
185							13.6	222.8	17,100	24.1	249.3	14,900	35.4	273.0	11,200	43.8	286.4	7,500	185
190										19.2	236.4	14,100	32.1	265.3	10,500	41.2	280.8	6,900	190
195										12.4	218.2	13,200	28.5	256.6	9,800	38.3	274.7	6,300	195
200													24.4	246.4	9,100	35.3	267.9	5,800	200
205													19.5	233.7	8,500	32.0	260.3	5,200	205
210													12.9	215.9	7,900	28.4	251.6	4,700	210
215																24.3	241.3	4,200	215



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

180 Ft. Boom, 170 Ft. Jib

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	74.6	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	47,100*										90
95	61.8	337.2	36,300*	64.2	340.0	43,100*	67.7	343.3	47,100*										95
100	59.9	334.3	34,400*	62.3	337.5	41,100*	65.8	341.1	46,100										100
105	57.9	331.3	32,600*	60.4	334.7	39,200*	63.9	338.7	42,900	67.4	341.5	38,600							105
110	55.9	327.9	30,800*	58.4	331.7	37,200*	62.0	336.1	40,100	65.6	339.3	36,000							110
115	53.8	324.4	29,200*	56.4	328.4	35,400*	60.1	333.3	37,500	63.7	336.8	33,600							115
120	51.7	320.5	27,700*	54.3	324.9	33,500*	58.1	330.2	35,200	61.8	334.2	31,500							120
125	49.5	316.3	26,200*	52.2	321.1	31,800*	56.1	327.0	33,100	59.8	331.4	29,500							125
130	47.2	311.8	24,800*	50.0	317.0	30,200*	54.1	323.4	31,100	57.9	328.3	27,700							130
135	44.8	306.9	23,600*	47.8	312.6	28,600*	51.9	319.6	29,300	55.8	325.0	26,000	61.9	330.8	20,600				135
140	42.4	301.6	22,500*	45.4	307.8	27,100*	49.7	315.4	27,600	53.8	321.4	24,500	60.0	327.9	19,300				140
145	39.8	295.7	21,400*	43.0	302.6	25,800*	47.5	311.0	26,100	51.6	317.5	23,100	58.0	324.9	18,100				145
150	37.0	289.3	20,400*	40.5	296.9	24,500*	45.1	306.1	24,600	49.4	313.3	21,700	56.0	321.6	16,900				150
155	34.1	282.2	19,500*	37.8	290.6	23,400*	42.7	300.9	23,300	47.2	308.8	20,500	53.9	318.0	15,800				155
160	30.9	274.3	18,700*	34.9	283.7	22,400*	40.1	295.1	22,000	44.8	303.9	19,300	51.8	314.2	14,800	57.9	319.9	10,400	160
165	27.4	265.2	18,000*	31.8	276.0	21,400*	37.4	288.8	20,900	42.3	298.6	18,200	49.6	310.0	13,900	55.9	316.6	9,700	165
170	23.5	254.4	17,500*	28.4	267.2	20,500*	34.5	281.8	19,800	39.8	292.7	17,200	47.3	305.5	13,000	53.9	313.0	8,900	170
175	18.7	241.2	17,200*	24.5	256.9	19,700*	31.4	273.9	18,700	37.0	286.3	16,300	44.9	300.6	12,200	51.7	309.2	8,200	175
180	12.1	222.5	17,100*	20.0	244.5	19,100*	27.9	265.0	17,700	34.1	279.2	15,300	42.5	295.3	11,400	49.5	305.0	7,500	180
185				14.1	227.7	18,800*	24.0	254.5	16,800	30.9	271.2	14,500	39.9	289.5	10,700	47.3	300.5	6,900	185
190							19.3	241.6	15,900	27.4	262.1	13,700	37.2	283.1	10,000	44.9	295.6	6,300	190
195							13.2	224.0	15,000	23.4	251.4	12,900	34.3	276.1	9,300	42.4	290.3	5,800	195
200										18.6	238.0	12,100	31.1	268.1	8,700	39.9	284.5	5,200	200
205										12.0	219.2	11,400	27.6	259.1	8,000	37.1	278.1	4,700	205
210													23.7	248.5	7,500	34.2	271.0	4,200	210
215													18.9	235.3	6,900				215
220													12.5	217.0	6,300				220



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



180 Ft. Boom, 180 Ft. Jib

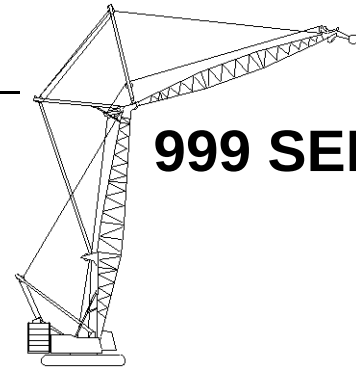
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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	75.5	361.9	39,100*																60
65	73.8	360.5	38,600*																65
70	72.1	358.9	37,800*																70
75	70.4	357.1	37,100*	72.6	358.9	44,500*													75
80	68.7	355.2	36,400*	70.9	357.2	44,200*													80
85	67.0	353.2	35,700*	69.2	355.3	43,800*													85
90	65.3	350.9	34,500*	67.5	353.3	42,900*	70.7	356.0	43,200*										90
95	63.5	348.5	34,300*	65.7	351.1	41,200*	69.0	354.1	43,200*										95
100	61.7	345.8	33,200*	64.0	348.7	39,500*	67.2	352.0	43,200*										100
105	59.9	343.0	31,600*	62.2	346.1	37,700*	65.5	349.8	42,300										105
110	58.0	339.9	29,900*	60.3	343.3	36,000*	63.7	347.4	39,400	67.0	350.2	35,300							110
115	56.1	336.6	28,400*	58.5	340.3	34,300*	61.9	344.8	36,900	65.3	348.0	32,900							115
120	54.1	333.1	27,000*	56.6	337.1	32,600*	60.1	341.9	34,500	63.5	345.5	30,700							120
125	52.1	329.3	25,600*	54.6	333.6	31,000*	58.2	338.9	32,400	61.7	342.9	28,800							125
130	50.1	325.2	24,300*	52.7	329.9	29,500*	56.3	335.7	30,500	59.8	340.0	27,000							130
135	48.0	320.8	23,100*	50.6	325.9	28,000*	54.4	332.1	28,700	58.0	337.0	25,300							135
140	45.8	316.1	21,900*	48.5	321.5	26,600*	52.4	328.4	27,000	56.1	333.7	23,800	61.8	339.4	18,500				140
145	43.5	310.9	20,900*	46.3	316.9	25,300*	50.4	324.3	25,400	54.1	330.1	22,400	60.0	336.6	17,300				145
150	41.1	305.3	20,000*	44.1	311.9	24,100*	48.2	320.0	24,000	52.1	326.3	21,000	58.1	333.6	16,100				150
155	38.6	299.3	19,100*	41.7	306.4	22,900*	46.1	315.3	22,700	50.1	322.2	19,800	56.2	330.3	15,100				155
160	36.0	292.6	18,300*	39.3	300.5	21,900*	43.8	310.2	21,400	47.9	317.8	18,700	54.2	326.7	14,100				160
165	33.1	285.2	17,400*	36.6	293.9	20,900*	41.4	304.7	20,300	45.7	313.1	17,600	52.2	323.0	13,100				165
170	30.0	277.0	16,800*	33.9	286.8	20,100*	38.9	298.6	19,200	43.5	307.9	16,600	50.2	318.9	12,300	56.2	325.3	8,100	170
175	26.6	267.5	16,200*	30.8	278.7	19,300*	36.3	292.1	18,100	41.1	302.3	15,600	48.1	314.5	11,500	54.2	321.8	7,400	175
180	22.8	256.4	15,800*	27.5	269.6	18,400*	33.5	284.8	17,100	38.6	296.3	14,700	45.9	309.8	10,700	52.2	318.0	6,700	180
185	18.1	242.7	15,500*	23.8	259.0	17,800*	30.4	276.6	16,200	35.9	289.6	13,800	43.6	304.6	9,900	50.2	313.9	6,100	185
190	11.8	223.5	15,500*	19.4	246.2	17,400*	27.1	267.4	15,300	33.1	282.2	13,000	41.2	299.1	9,300	48.0	309.5	5,500	190
195				13.7	228.9	16,700	23.3	256.6	14,500	30.0	273.9	12,300	38.7	293.0	8,600	45.8	304.8	5,000	195
200							18.8	243.3	13,700	26.6	264.5	11,500	36.1	286.4	8,000	43.6	299.6	4,500	200
205							12.8	225.1	12,900	22.7	253.4	10,800	33.3	279.1	7,400	41.2	294.1	4,000	205
210										18.1	239.6	10,100	30.2	270.8	6,800				210
215										11.7	220.2	9,500	26.8	261.5	6,200				215
220													23.0	250.5	5,700				220
225													18.4	236.9	5,200				225
230													12.2	218.1	4,700				230



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

180 Ft. Boom, 190 Ft. Jib

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	370.9	35,900*																65
70	73.1	369.4	35,400*																70
75	71.5	367.8	34,800*	73.5	369.4	41,200*													75
80	69.9	366.0	34,100*	71.9	367.8	40,900*													80
85	68.3	364.0	33,500*	70.3	366.0	40,600*													85
90	66.7	361.9	32,800*	68.7	364.1	40,300*													90
95	65.0	359.6	32,200*	67.1	362.0	39,300*	70.1	364.8	39,700*										95
100	63.3	357.2	31,600*	65.4	359.8	37,800*	68.5	362.8	39,700*										100
105	61.6	354.5	30,500*	63.7	357.4	36,300*	66.9	360.8	39,600*										105
110	59.9	351.7	29,100*	62.0	354.8	34,700*	65.2	358.5	39,100										110
115	58.1	348.6	27,600*	60.3	352.0	33,200*	63.5	356.1	36,600	66.6	358.9	32,600							115
120	56.3	345.3	26,300*	58.6	349.0	31,700*	61.8	353.4	34,200	65.0	356.7	30,400							120
125	54.5	341.8	25,000*	56.8	345.8	30,300*	60.1	350.6	32,100	63.3	354.2	28,500							125
130	52.6	338.1	23,700*	54.9	342.3	28,800*	58.3	347.6	30,200	61.6	351.5	26,700							130
135	50.6	334.1	22,600*	53.1	338.7	27,500*	56.5	344.3	28,400	59.9	348.7	25,000							135
140	48.7	329.8	21,500*	51.1	334.7	26,100*	54.7	340.9	26,700	58.1	345.6	23,500							140
145	46.6	325.1	20,500*	49.2	330.5	24,900*	52.8	337.2	25,200	56.3	342.4	22,100	61.7	348.1	17,000				145
150	44.5	320.2	19,500*	47.1	325.9	23,700*	50.9	333.2	23,700	54.4	338.9	20,700	60.0	345.3	15,800				150
155	42.3	314.8	18,600*	45.0	321.1	22,600*	48.9	328.9	22,400	52.6	335.1	19,500	58.2	342.2	14,800				155
160	40.0	309.0	17,800*	42.8	315.8	21,500*	46.9	324.3	21,200	50.6	331.1	18,400	56.4	339.0	13,800				160
165	37.5	302.7	17,100*	40.6	310.1	20,500*	44.8	319.4	20,000	48.6	326.8	17,300	54.6	335.5	12,900				165
170	35.0	295.8	16,400*	38.2	303.9	19,600*	42.6	314.1	18,900	46.6	322.1	16,300	52.7	331.7	12,000				170
175	32.2	288.1	15,700*	35.6	297.2	18,800*	40.3	308.3	17,900	44.5	317.2	15,300	50.7	327.7	11,200	56.4	334.0	7,100	175
180	29.2	279.6	15,200*	32.9	289.7	18,100*	37.8	302.1	16,900	42.2	311.8	14,400	48.8	323.4	10,400	54.5	330.5	6,400	180
185	25.9	269.8	14,700*	30.0	281.4	17,500*	35.3	295.2	16,000	39.9	306.0	13,600	46.7	318.8	9,700	52.6	326.8	5,800	185
190	22.1	258.4	14,300*	26.8	272.0	16,700*	32.6	287.7	15,100	37.5	299.7	12,800	44.6	313.9	9,000	50.7	322.8	5,200	190
195	17.6	244.3	14,100*	23.2	261.1	16,200*	29.6	279.3	14,200	34.9	292.7	12,000	42.4	308.5	8,300	48.7	318.5	4,700	195
200	11.5	224.4	14,100*	18.9	247.8	15,600	26.4	269.7	13,500	32.2	285.1	11,300	40.1	302.7	7,700	46.7	313.8	4,200	200
205				13.3	230.0	14,800	22.7	258.5	12,700	29.2	276.5	10,600	37.6	296.5	7,100				205
210							18.3	244.9	12,000	25.9	266.8	9,900	35.1	289.6	6,500				210
215							12.4	226.1	11,200	22.1	255.3	9,300	32.3	282.0	6,000				215
220										17.6	241.1	8,700	29.4	273.4	5,500				220
225										11.4	221.2	8,000	26.1	263.8	5,000				225
230													22.3	252.4	4,500				230
235													17.9	238.5	4,000				235

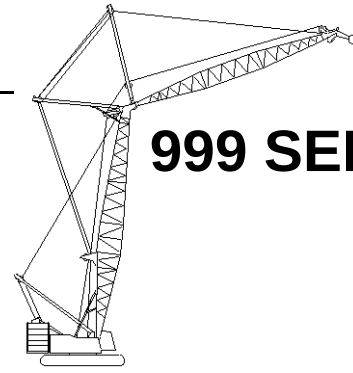


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



180 Ft. Boom, 200 Ft. Jib

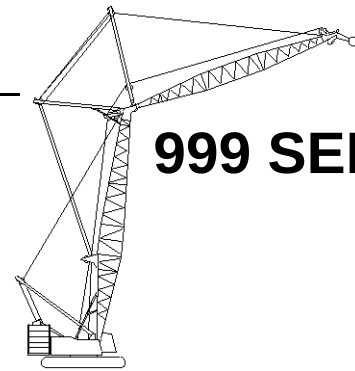
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point 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	75.5	381.2	33,200*													65
70	74.0	379.8	32,900*													70
75	72.5	378.3	32,400*													75
80	71.0	376.6	31,800*	72.9	378.3	37,700*										80
85	69.4	374.8	31,300*	71.3	376.6	37,500*										85
90	67.9	372.8	30,700*	69.8	374.8	37,200*										90
95	66.3	370.6	30,200*	68.3	372.9	36,900*										95
100	64.8	368.3	29,600*	66.7	370.8	36,000*	69.6	373.6	36,300*							100
105	63.2	365.8	29,100*	65.2	368.5	34,700*	68.1	371.6	36,300*							105
110	61.5	363.2	28,000*	63.6	366.1	33,300*	66.5	369.5	36,300*							110
115	59.9	360.3	26,700*	61.9	363.5	32,000*	65.0	367.2	35,900	67.9	369.8	31,800				115
120	58.2	357.3	25,500*	60.3	360.7	30,600*	63.4	364.7	33,600	66.3	367.7	29,700				120
125	56.5	354.0	24,300*	58.6	357.7	29,300*	61.7	362.1	31,500	64.7	365.3	27,800				125
130	54.8	350.6	23,100*	56.9	354.5	28,000*	60.1	359.3	29,500	63.1	362.9	26,000				130
135	53.0	346.9	22,000*	55.2	351.1	26,700*	58.4	356.2	27,700	61.5	360.2	24,300				135
140	51.1	342.9	21,000*	53.4	347.4	25,500*	56.7	353.0	26,100	59.9	357.3	22,800				140
145	49.3	338.7	20,000*	51.6	343.5	24,300*	55.0	349.6	24,500	58.2	354.3	21,400				145
150	47.3	334.2	19,100*	49.8	339.4	23,200*	53.2	345.9	23,100	56.5	351.0	20,100	61.6	356.8	15,000	150
155	45.4	329.3	18,200*	47.8	334.9	22,200*	51.4	342.0	21,800	54.7	347.6	18,800	60.0	353.9	14,000	155
160	43.3	324.2	17,400*	45.9	330.2	21,200*	49.5	337.8	20,500	53.0	343.9	17,700	58.3	350.9	13,000	160
165	41.1	318.6	16,600*	43.8	325.1	20,200*	47.6	333.3	19,400	51.1	339.9	16,600	56.6	347.7	12,100	165
170	38.9	312.5	16,000*	41.7	319.6	19,300*	45.6	328.6	18,300	49.3	335.7	15,600	54.8	344.2	11,200	170
175	36.5	306.0	15,300*	39.5	313.7	18,500*	43.6	323.4	17,200	47.3	331.2	14,700	53.1	340.5	10,400	175
180	34.0	298.8	14,800*	37.1	307.3	17,700*	41.4	317.9	16,300	45.3	326.3	13,800	51.2	336.6	9,700	180
185	31.4	290.9	14,200*	34.7	300.3	17,000*	39.2	311.9	15,400	43.3	321.2	12,900	49.4	332.4	8,900	185
190	28.4	282.1	13,700*	32.1	292.6	16,300*	36.8	305.4	14,500	41.1	315.6	12,100	47.4	327.9	8,300	190
195	25.2	272.1	13,300*	29.2	284.0	15,800*	34.4	298.3	13,700	38.9	309.5	11,400	45.4	323.0	7,600	195
200	21.6	260.3	13,000*	26.1	274.3	15,100	31.7	290.5	12,900	36.5	303.0	10,700	43.4	317.9	7,000	200
205	17.2	245.8	12,900*	22.6	263.1	14,300	28.8	281.9	12,100	34.0	295.8	10,000	41.2	312.3	6,400	205
210	11.2	225.4	12,900*	18.4	249.4	13,500	25.7	272.0	11,400	31.3	287.9	9,300	39.0	306.3	5,800	210
215				13.0	231.1	12,700	22.1	260.5	10,700	28.4	279.0	8,700	36.6	299.8	5,300	215
220							17.8	246.4	10,100	25.2	269.0	8,100	34.2	292.6	4,800	220
225							12.1	227.2	9,400	21.5	257.2	7,500	31.5	284.8	4,300	225
230										17.1	242.6	7,000				230
235										11.1	222.2	6,400				235



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

180 Ft. Boom, 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	
70	74.8	390.2	30,500*													70
75	73.3	388.8	30,200*													75
80	71.9	387.2	29,800*	73.7	388.7	34,800*										80
85	70.5	385.4	29,300*	72.3	387.2	34,600*										85
90	69.0	383.6	28,800*	70.8	385.5	34,400*										90
95	67.5	381.5	28,300*	69.4	383.6	34,100*										95
100	66.0	379.3	27,800*	67.9	381.6	33,900*	70.6	384.2	33,300*							100
105	64.5	377.0	27,300*	66.4	379.5	33,100*	69.2	382.4	33,300*							105
110	63.0	374.5	26,600*	64.9	377.2	31,900*	67.7	380.4	33,300*							110
115	61.5	371.8	25,900*	63.4	374.7	30,700*	66.2	378.2	33,200*							115
120	59.9	369.0	24,700*	61.9	372.1	29,500*	64.7	375.9	33,000*	67.5	378.6	29,100				120
125	58.3	365.9	23,600*	60.3	369.3	28,300*	63.2	373.4	30,900	66.0	376.4	27,200				125
130	56.7	362.7	22,500*	58.7	366.3	27,200*	61.7	370.8	29,000	64.5	374.0	25,400				130
135	55.0	359.3	21,500*	57.1	363.1	26,000*	60.1	367.9	27,200	63.0	371.5	23,800				135
140	53.3	355.6	20,500*	55.4	359.8	24,900*	58.5	364.9	25,600	61.4	368.9	22,200				140
145	51.6	351.7	19,600*	53.8	356.2	23,800*	56.9	361.7	24,000	59.9	366.0	20,800				145
150	49.8	347.6	18,700*	52.0	352.3	22,800*	55.2	358.3	22,600	58.3	363.0	19,500				150
155	48.0	343.2	17,800*	50.3	348.3	21,800*	53.5	354.7	21,300	56.6	359.7	18,300	61.5	365.4	13,400	155
160	46.1	338.5	17,100*	48.5	343.9	20,800*	51.8	350.8	20,000	55.0	356.3	17,200	60.0	362.6	12,400	160
165	44.2	333.4	16,300*	46.6	339.3	19,900*	50.1	346.7	18,900	53.3	352.6	16,100	58.4	359.6	11,500	165
170	42.2	328.0	15,600*	44.7	334.3	19,000*	48.2	342.3	17,800	51.6	348.7	15,100	56.7	356.3	10,700	170
175	40.1	322.2	15,000*	42.7	329.0	18,200*	46.4	337.6	16,800	49.8	344.6	14,200	55.1	352.9	9,900	175
180	37.9	316.0	14,400*	40.6	323.3	17,400*	44.4	332.7	15,800	48.0	340.2	13,300	53.4	349.3	9,100	180
185	35.6	309.2	13,900*	38.5	317.2	16,700*	42.4	327.3	14,900	46.1	335.5	12,400	51.7	345.4	8,400	185
190	33.2	301.8	13,400*	36.2	310.6	16,100*	40.4	321.6	14,000	44.2	330.4	11,600	49.9	341.3	7,700	190
195	30.6	293.7	12,900*	33.8	303.3	15,400*	38.2	315.4	13,200	42.2	325.0	10,900	48.1	336.8	7,100	195
200	27.7	284.6	12,500*	31.3	295.4	14,700	35.9	308.7	12,400	40.1	319.2	10,200	46.2	332.2	6,500	200
205	24.6	274.2	12,200*	28.5	286.6	13,900	33.5	301.4	11,700	37.9	313.0	9,500	44.3	327.1	5,900	205
210	21.0	262.1	11,900*	25.4	276.6	13,100	30.9	293.3	11,000	35.6	306.2	8,800	42.3	321.8	5,300	210
215	16.7	247.2	11,800*	22.0	265.0	12,400	28.1	284.4	10,300	33.1	298.8	8,200	40.2	316.0	4,800	215
220	10.9	226.3	11,500*	17.9	251.0	11,700	25.0	274.2	9,600	30.5	290.6	7,600	38.0	309.8	4,300	220
225				12.6	232.2	11,000	21.5	262.4	9,000	27.7	281.5	7,100				225
230							17.4	247.9	8,400	24.6	271.2	6,500				230
235							11.8	228.2	7,800	21.0	259.0	6,000				235
240										16.7	244.1	5,500				240
245										10.8	223.1	4,900				245

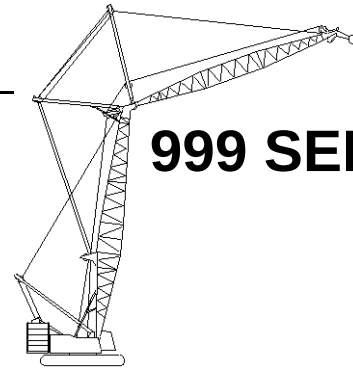


Liftcrane Luffing Jib Capacities

999 SERIES 3

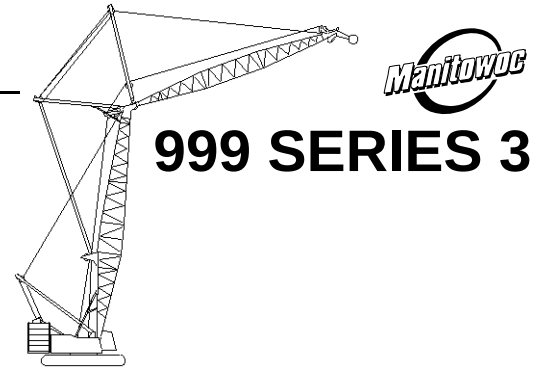
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



180 Ft. Boom, 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	75.5	400.6	28,200*													70
75	74.1	399.2	27,900*													75
80	72.8	397.7	27,700*													80
85	71.4	396.0	27,300*	73.1	397.7	31,800*										85
90	70.0	394.3	26,800*	71.7	396.1	31,600*										90
95	68.6	392.3	26,400*	70.3	394.3	31,400*										95
100	67.2	390.3	26,000*	69.0	392.4	31,200*										100
105	65.8	388.1	25,600*	67.6	390.4	31,000*	70.2	393.1	30,400*							105
110	64.3	385.7	25,100*	66.1	388.2	30,400*	68.8	391.2	30,400*							110
115	62.9	383.2	24,800*	64.7	385.9	29,300*	67.4	389.1	30,300*							115
120	61.4	380.5	23,800*	63.2	383.4	28,300*	66.0	386.9	30,200*							120
125	59.9	377.6	22,800*	61.8	380.8	27,200*	64.5	384.6	30,100*	67.2	387.3	26,500				125
130	58.4	374.6	21,800*	60.3	378.0	26,200*	63.1	382.1	28,300	65.8	385.1	24,700				130
135	56.8	371.4	20,800*	58.8	375.0	25,200*	61.6	379.4	26,600	64.3	382.7	23,000				135
140	55.2	368.0	19,900*	57.2	371.8	24,100*	60.1	376.6	24,900	62.9	380.2	21,500				140
145	53.6	364.4	19,000*	55.7	368.5	23,100*	58.6	373.6	23,400	61.4	377.5	20,100				145
150	52.0	360.5	18,200*	54.1	364.9	22,200*	57.0	370.4	22,000	59.9	374.7	18,800				150
155	50.3	356.5	17,400*	52.4	361.1	21,200*	55.5	367.0	20,600	58.4	371.6	17,600	62.9	376.8	12,600	155
160	48.6	352.1	16,600*	50.7	357.1	20,300*	53.8	363.4	19,400	56.8	368.4	16,500	61.5	374.1	11,700	160
165	46.8	347.5	15,900*	49.0	352.8	19,400*	52.2	359.6	18,200	55.2	365.0	15,400	60.0	371.2	10,800	165
170	45.0	342.6	15,300*	47.3	348.3	18,600*	50.5	355.6	17,200	53.6	361.4	14,400	58.4	368.2	9,900	170
175	43.1	337.4	14,600*	45.5	343.5	17,800*	48.8	351.3	16,100	52.0	357.5	13,500	56.9	365.0	9,100	175
180	41.2	331.8	14,000*	43.6	338.3	17,100*	47.1	346.7	15,200	50.3	353.5	12,600	55.3	361.6	8,400	180
185	39.1	325.8	13,500*	41.7	332.9	16,400*	45.2	341.8	14,300	48.6	349.1	11,800	53.7	358.0	7,700	185
190	37.0	319.3	13,000*	39.7	327.0	15,700*	43.4	336.7	13,400	46.8	344.5	11,000	52.1	354.2	7,000	190
195	34.8	312.3	12,600*	37.6	320.6	15,000	41.4	331.1	12,600	45.0	339.6	10,200	50.4	350.1	6,300	195
200	32.4	304.7	12,100*	35.3	313.8	14,100	39.4	325.2	11,800	43.1	334.4	9,500	48.7	345.8	5,700	200
205	29.8	296.3	11,700*	33.0	306.3	13,300	37.3	318.8	11,100	41.1	328.8	8,900	46.9	341.2	5,200	205
210	27.1	287.0	11,300*	30.5	298.1	12,600	35.1	311.8	10,400	39.1	322.8	8,200	45.1	336.3	4,600	210
215	24.0	276.3	11,100*	27.8	289.0	11,800	32.7	304.3	9,700	37.0	316.3	7,600	43.2	331.1	4,100	215
220	20.5	263.9	10,900*	24.8	278.8	11,100	30.2	296.0	9,100	34.7	309.3	7,000				220
225	16.3	248.6	10,500*	21.5	266.9	10,500	27.4	286.8	8,500	32.4	301.7	6,400				225
230	10.6	227.2	9,700*	17.5	252.5	9,800	24.4	276.4	7,900	29.8	293.3	5,900				230
235				12.3	233.3	9,200	21.0	264.2	7,300	27.0	283.9	5,400				235
240							16.9	249.4	6,700	24.0	273.3	4,900				240
245							11.5	229.2	6,200	20.5	260.8	4,400				245



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

180 Ft. Boom, 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	
75	74.8	409.6	26,000*										75
80	73.5	408.2	25,700*										80
85	72.2	406.6	25,300*	73.9	408.1	30,000*							85
90	70.9	404.9	24,900*	72.6	406.6	29,800*							90
95	69.6	403.1	24,500*	71.2	404.9	29,500*							95
100	68.2	401.1	24,100*	69.9	403.1	29,300*							100
105	66.9	399.0	23,700*	68.6	401.2	28,700*							105
110	65.5	396.8	23,300*	67.2	399.1	27,700*	69.7	401.9	29,000*				110
115	64.1	394.4	22,800*	65.9	396.9	26,800*	68.4	399.9	28,900*				115
120	62.7	391.8	21,800*	64.5	394.6	25,800*	67.1	397.8	28,800*				120
125	61.3	389.2	20,900*	63.1	392.1	24,900*	65.7	395.6	28,600*				125
130	59.9	386.3	20,000*	61.7	389.4	23,900*	64.3	393.3	27,900	66.9	396.0	24,300	130
135	58.4	383.3	19,100*	60.3	386.6	23,000*	62.9	390.7	26,100	65.5	393.8	22,600	135
140	57.0	380.1	18,300*	58.8	383.7	22,100*	61.5	388.1	24,500	64.1	391.4	21,100	140
145	55.5	376.7	17,500*	57.3	380.5	21,200*	60.1	385.2	23,000	62.7	388.9	19,700	145
150	53.9	373.1	16,700*	55.8	377.2	20,300*	58.6	382.2	21,500	61.3	386.2	18,400	150
155	52.4	369.3	16,000*	54.3	373.6	19,500*	57.2	379.1	20,200	59.9	383.3	17,200	155
160	50.8	365.3	15,300*	52.8	369.9	18,700*	55.7	375.7	19,000	58.4	380.3	16,100	160
165	49.1	361.1	14,700*	51.2	365.9	17,900*	54.1	372.1	17,800	56.9	377.1	15,000	165
170	47.5	356.5	14,100*	49.6	361.7	17,100*	52.6	368.4	16,800	55.4	373.7	14,000	170
175	45.7	351.8	13,500*	47.9	357.3	16,400*	51.0	364.4	15,700	53.9	370.1	13,100	175
180	44.0	346.7	12,900*	46.2	352.6	15,800*	49.3	360.2	14,800	52.3	366.3	12,200	180
185	42.1	341.3	12,400*	44.4	347.6	15,100*	47.7	355.7	13,900	50.7	362.3	11,400	185
190	40.2	335.5	11,900*	42.6	342.3	14,500*	46.0	351.0	13,000	49.1	358.1	10,600	190
195	38.2	329.3	11,500*	40.7	336.6	14,000*	44.2	345.9	12,200	47.4	353.6	9,800	195
200	36.2	322.6	11,100*	38.7	330.5	13,400*	42.4	340.5	11,400	45.7	348.8	9,100	200
205	34.0	315.4	10,700*	36.7	323.9	12,900*	40.5	334.8	10,700	43.9	343.7	8,500	205
210	31.7	307.6	10,300*	34.5	316.9	12,200	38.5	328.7	10,000	42.1	338.3	7,800	210
215	29.2	298.9	10,100*	32.3	309.2	11,500	36.4	322.1	9,300	40.2	332.5	7,200	215
220	26.5	289.3	9,800*	29.8	300.8	10,800	34.3	314.9	8,700	38.2	326.3	6,600	220
225	23.5	278.4	9,600*	27.2	291.5	10,100	32.0	307.2	8,100	36.1	319.6	6,100	225
230	20.1	265.7	9,500*	24.3	280.9	9,500	29.5	298.6	7,500	33.9	312.4	5,500	230
235	16.0	250.0	8,900*	21.0	268.7	8,900	26.8	289.2	7,000	31.6	304.5	5,000	235
240	10.4	228.1	8,100*	17.1	254.0	8,300	23.9	278.5	6,400	29.1	295.9	4,500	240
245				12.1	234.3	7,700	20.5	266.0	5,900	26.4	286.3	4,100	245
250							16.6	250.8	5,400				250
255							11.3	230.2	4,900				255



Liftcrane Luffing Jib Capacities

999 SERIES 3

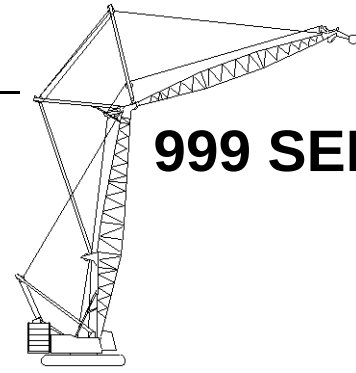
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



180 Ft. Boom, 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	75.5	420.0	23,700*										75
80	74.2	418.6	23,500*										80
85	73.0	417.1	23,200*										85
90	71.7	415.5	22,900*	73.3	417.1	27,000*							90
95	70.5	413.7	22,600*	72.0	415.5	26,800*							95
100	69.2	411.8	22,200*	70.8	413.8	26,600*							100
105	67.9	409.9	21,900*	69.5	411.9	26,300*							105
110	66.6	407.7	21,500*	68.2	410.0	26,100*	70.6	412.5	26,000*				110
115	65.3	405.5	21,200*	66.9	407.9	25,400*	69.4	410.7	26,000*				115
120	64.0	403.1	20,900*	65.6	405.6	24,600*	68.1	408.7	25,900*				120
125	62.6	400.5	20,100*	64.3	403.3	23,800*	66.8	406.6	25,800*				125
130	61.3	397.8	19,300*	63.0	400.8	22,900*	65.5	404.3	25,600*	67.9	406.9	23,500	130
135	59.9	395.0	18,500*	61.6	398.1	22,100*	64.1	401.9	25,500*	66.6	404.8	21,900	135
140	58.5	391.9	17,700*	60.3	395.3	21,300*	62.8	399.4	23,800	65.3	402.5	20,400	140
145	57.1	388.8	17,000*	58.9	392.3	20,500*	61.5	396.7	22,300	64.0	400.1	19,000	145
150	55.7	385.4	16,300*	57.5	389.2	19,700*	60.1	393.9	20,900	62.6	397.5	17,700	150
155	54.2	381.8	15,600*	56.0	385.9	18,900*	58.7	390.9	19,600	61.3	394.8	16,500	155
160	52.7	378.1	14,900*	54.6	382.4	18,200*	57.3	387.7	18,400	59.9	392.0	15,400	160
165	51.2	374.1	14,300*	53.1	378.7	17,400*	55.8	384.4	17,200	58.5	389.0	14,300	165
170	49.6	370.0	13,700*	51.6	374.8	16,700*	54.4	380.9	16,100	57.1	385.8	13,300	170
175	48.0	365.5	13,200*	50.0	370.6	16,100*	52.9	377.2	15,100	55.6	382.4	12,400	175
180	46.4	360.9	12,600*	48.4	366.3	15,500*	51.4	373.2	14,200	54.2	378.9	11,500	180
185	44.7	355.9	12,100*	46.8	361.7	14,800*	49.8	369.1	13,300	52.7	375.1	10,700	185
190	43.0	350.6	11,600*	45.1	356.8	14,200*	48.2	364.7	12,400	51.2	371.1	9,900	190
195	41.2	345.0	11,200*	43.4	351.6	13,700*	46.6	360.0	11,600	49.6	367.0	9,200	195
200	39.3	339.1	10,800*	41.6	346.1	13,200*	44.9	355.1	10,800	48.0	362.5	8,500	200
205	37.4	332.7	10,400*	39.8	340.2	12,400	43.2	349.9	10,100	46.4	357.9	7,800	205
210	35.4	325.8	10,000*	37.9	333.9	11,700	41.4	344.3	9,400	44.7	352.9	7,200	210
215	33.2	318.4	9,700*	35.9	327.2	10,900	39.6	338.4	8,800	43.0	347.6	6,600	215
220	31.0	310.3	9,400*	33.8	319.9	10,300	37.6	332.1	8,100	41.2	342.0	6,000	220
225	28.5	301.5	9,200*	31.6	312.0	9,600	35.6	325.3	7,500	39.3	336.1	5,500	225
230	25.9	291.6	9,000*	29.2	303.4	9,000	33.5	317.9	6,900	37.4	329.7	4,900	230
235	23.0	280.4	8,400*	26.6	293.8	8,400	31.3	310.0	6,400	35.3	322.8	4,400	235
240	19.6	267.4	7,900*	23.7	283.0	7,800	28.9	301.2	5,900				240
245	15.6	251.4	7,300*	20.5	270.5	7,200	26.2	291.5	5,300				245
250	10.2	229.0	6,500*	16.7	255.5	6,700	23.4	280.5	4,800				250
255				11.8	235.3	6,100	20.1	267.8	4,400				255



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

190 Ft. Boom, 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	
50	60.0	257.9	78,900*b																			50
55	55.1	254.6	76,400*b	61.5	258.5	93,500*b																55
60	49.9	250.6	74,200*	56.7	255.3	89,300*b																60
65	44.2	245.8	69,500*	51.6	251.6	82,700*b	61.4	257.3	89,100b													65
70	37.8	239.8	64,500*	46.1	247.0	76,800*	56.6	254.2	80,900b													70
75	30.2	232.1	60,600*	39.9	241.5	71,000*	51.5	250.4	73,900b	61.3	255.6	68,100b										75
80	20.2	221.0	57,900*	32.9	234.4	66,200*	45.9	245.9	67,900	56.4	252.5	62,500b										80
85				23.9	224.8	62,600*	39.8	240.3	62,600	51.3	248.7	57,600b										85
90				8.0	206.0	58,600*	32.7	233.2	58,000	45.7	244.1	53,400	62.3	252.5	45,600b							90
95							23.7	223.4	53,900	39.6	238.5	49,600	57.5	249.5	42,300b							95
100							7.2	203.9	50,000	32.4	231.3	46,200	52.5	245.8	39,400b							100
105										23.3	221.4	43,100	47.0	241.4	36,800							105
110										5.6	200.4	40,100	41.0	236.1	34,400							110
115													34.2	229.3	32,200	53.3	241.3	26,500b				115
120													25.7	220.3	30,200	47.9	237.0	24,800				120
125													12.4	204.8	28,200	42.0	231.8	23,300				125
130																35.3	225.3	21,800				130
135																27.1	216.7	20,400	48.2	230.7	15,900	135
140																15.2	203.0	19,100	42.3	225.5	14,800	140
145																			35.6	219.1	13,800	145
150																			27.5	210.6	12,900	150
155																			15.9	197.4	11,900	155

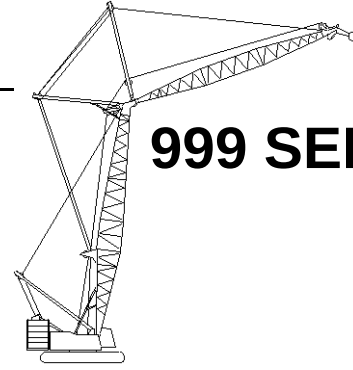


Liftcrane Luffing Jib Capacities

999 SERIES 3

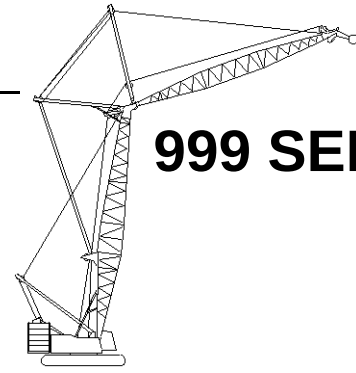
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



190 Ft. Boom, 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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
50	64.1	269.4	74,100*b																			50
55	60.0	266.6	71,700*b	65.4	269.7	87,800*b																55
60	55.7	263.3	69,500*	61.3	267.1	85,100*b																60
65	51.2	259.5	67,000*	57.1	264.0	79,600*	65.3	268.6	87,700*b													65
70	46.4	255.0	62,000*	52.7	260.4	74,000*	61.2	266.0	80,200b													70
75	41.1	249.6	57,600*	48.0	256.1	68,700*	57.0	262.9	73,200	65.2	266.9	67,300b										75
80	35.2	243.0	53,900*	42.9	251.0	64,000*	52.6	259.2	67,200	61.1	264.3	61,700b										80
85	28.2	234.6	50,900*	37.2	244.9	59,500*	47.9	254.9	62,100	56.9	261.2	56,900										85
90	18.9	222.6	48,900*	30.6	237.2	55,800*	42.8	249.8	57,500	52.4	257.5	52,700										90
95				22.3	226.7	53,000*	37.1	243.7	53,400	47.7	253.2	48,900	62.0	261.2	41,500b							95
100				7.4	206.5	50,800*	30.5	235.9	49,800	42.6	248.0	45,600	57.9	258.2	38,600							100
105							22.1	225.4	46,500	36.9	241.8	42,600	53.5	254.6	36,000							105
110							6.6	204.4	43,400	30.2	234.0	39,900	48.8	250.5	33,600							110
115										21.7	223.3	37,400	43.8	245.5	31,500							115
120										5.2	200.8	34,900	38.2	239.6	29,500	54.1	250.0	23,900				120
125													31.8	232.2	27,700	49.5	246.0	22,400				125
130													23.9	222.4	26,000	44.6	241.1	21,000				130
135													11.5	205.8	24,400	39.1	235.4	19,700				135
140																32.9	228.2	18,500	49.8	239.6	13,900	140
145																25.3	218.9	17,300	44.8	234.9	13,000	145
150																14.1	204.2	16,200	39.4	229.1	12,100	150
155																			33.2	222.1	11,300	155
160																			25.7	212.9	10,500	160
165																			14.8	198.6	9,600	165



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

190 Ft. Boom, 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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
50	67.2	280.4	69,700*b	68.3	280.7	82,600*b																50
55	63.6	278.0	67,300*b	64.8	278.4	80,300*b																55
60	60.0	275.3	65,200*	61.2	275.8	76,500*	68.2	279.6	83,100*b													60
65	56.2	272.0	63,400*	61.2	275.8	76,500*	68.2	279.6	83,100*b													65
70	52.3	268.3	59,900*	57.5	272.7	71,400*	64.7	277.3	79,700b													70
75	48.1	264.0	55,600*	53.6	269.2	66,400*	61.1	274.6	72,800													75
80	43.5	259.0	51,600*	49.4	265.1	61,800*	57.4	271.6	66,800	64.6	275.6	61,200b										80
85	38.6	253.1	48,300*	45.0	260.3	57,700*	53.5	268.0	61,700	61.0	272.9	56,400										85
90	33.1	246.0	45,400*	40.3	254.7	53,700*	49.3	263.9	57,100	57.2	269.9	52,200										90
95	26.5	237.0	43,100*	35.0	248.0	50,300*	44.9	259.1	53,100	53.3	266.3	48,500										95
100	17.7	224.1	41,700*	28.8	239.7	47,400*	40.2	253.5	49,500	49.2	262.2	45,200	61.8	269.8	38,000							100
105				21.0	228.5	45,300*	34.8	246.8	46,300	44.8	257.4	42,200	58.1	266.8	35,400							105
110				6.9	207.1	44,300*	28.6	238.5	43,400	40.0	251.7	39,600	54.2	263.4	33,100							110
115							20.8	227.2	40,700	34.6	245.0	37,100	50.2	259.4	31,000							115
120							6.2	204.9	38,100	28.4	236.5	34,900	45.8	254.7	29,100							120
125										20.4	225.1	32,800	41.1	249.3	27,300	54.8	258.7	21,900				125
130										4.8	201.1	30,700	35.9	242.8	25,700	50.8	254.8	20,500				130
135													29.9	234.9	24,200	46.5	250.3	19,200				135
140													22.5	224.3	22,700	41.9	245.0	18,000				140
145													10.8	206.7	21,300	36.7	238.7	16,900	51.0	248.5	12,400	145
150																30.9	231.0	15,900	46.7	244.0	11,600	150
155																23.7	221.0	14,900	42.1	238.8	10,800	155
160																13.2	205.3	13,900	37.0	232.5	10,000	160
165																			31.2	224.9	9,300	165
170																			24.1	215.0	8,600	170
175																			13.9	199.8	7,800	175

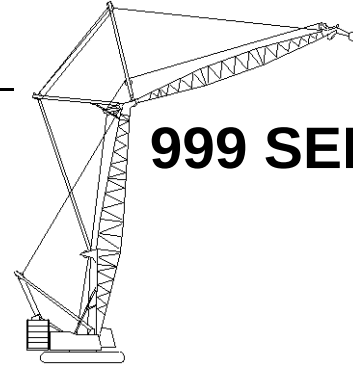


Liftcrane Luffing Jib Capacities

999 SERIES 3

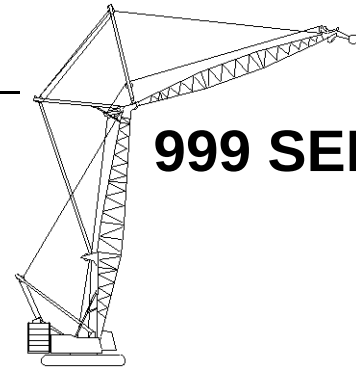
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



190 Ft. Boom, 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.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Point Elev. Feet	Luffing Jib Capacity Pounds	
50	69.6	291.2	65,100*b																			50
55	66.5	289.1	62,900*b	70.6	291.4	77,300*b																55
60	63.3	286.7	60,900*	67.5	289.4	75,400*b																60
65	60.0	283.9	59,100*	64.3	287.1	73,100*	70.5	290.3	77,300*b													65
70	56.6	280.7	57,500*	61.1	284.4	68,500*	67.4	288.3	76,200*b													70
75	53.1	277.1	53,500*	57.7	281.4	64,100*	64.2	286.0	72,100													75
80	49.4	273.0	49,900*	54.2	277.9	59,800*	61.0	283.3	66,100	67.3	286.6	60,400b										80
85	45.4	268.3	46,600*	50.6	274.0	55,800*	57.6	280.2	61,000	64.1	284.3	55,600										85
90	41.2	262.8	43,400*	46.7	269.4	52,100*	54.2	276.8	56,500	60.9	281.6	51,400										90
95	36.5	256.4	40,800*	42.6	264.2	48,800*	50.5	272.8	52,500	57.5	278.5	47,700										95
100	31.3	248.8	38,600*	38.1	258.2	45,600*	46.6	268.3	48,900	54.0	275.0	44,500										100
105	25.1	239.2	36,800*	33.1	251.0	42,900*	42.5	263.1	45,700	50.4	271.1	41,500	61.6	278.5	34,600							105
110	16.8	225.6	35,700*	27.2	242.2	40,600*	38.0	257.0	42,800	46.5	266.5	38,900	58.3	275.5	32,300							110
115				19.8	230.3	38,900*	33.0	249.8	40,200	42.3	261.3	36,500	54.8	272.1	30,200							115
120				6.5	207.6	38,200*	27.1	240.9	37,800	37.8	255.2	34,300	51.2	268.2	28,300							120
125							19.6	228.9	35,600	32.8	247.9	32,200	47.4	263.8	26,500							125
130							5.8	205.4	33,400	26.9	238.9	30,300	43.3	258.8	24,900	55.4	267.5	19,600				130
135										19.3	226.8	28,600	38.9	252.9	23,500	51.8	263.7	18,300				135
140										4.5	201.5	26,800	34.0	245.9	22,100	48.0	259.3	17,200				140
145													28.3	237.4	20,800	43.9	254.4	16,100				145
150													21.3	226.2	19,600	39.6	248.6	15,100	51.9	257.3	10,600	150
155													10.2	207.5	18,300	34.7	241.9	14,100	48.2	253.0	9,900	155
160																29.2	233.6	13,200	44.1	248.1	9,100	160
165																22.5	223.0	12,400	39.8	242.4	8,400	165
170																12.5	206.3	11,500	35.0	235.7	7,800	170
175																			29.5	227.5	7,200	175
180																			22.8	217.0	6,500	180
185																			13.2	200.9	5,900	185



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

190 Ft. Boom, 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	
50	71.5	301.9	61,000*b																			50
55	68.7	300.0	59,100*	72.4	302.0	72,300*b																55
60	65.9	297.8	58,200*	69.6	300.2	70,800*b																60
65	63.0	295.4	56,400*	66.8	298.1	69,200*																65
70	60.0	292.6	54,800*	63.9	295.8	65,800*	69.6	299.1	71,100*b													70
75	56.9	289.4	51,700*	61.0	293.1	61,800*	66.7	297.0	70,100*													75
80	53.7	285.9	48,300*	57.9	290.1	57,900*	63.9	294.6	65,900													80
85	50.4	281.9	45,100*	54.8	286.6	54,200*	60.9	292.0	60,800	66.6	295.4	55,400										85
90	46.9	277.4	42,200*	51.5	282.8	50,700*	57.9	288.9	56,300	63.8	293.0	51,200										90
95	43.2	272.3	39,400*	48.0	278.5	47,400*	54.7	285.5	52,300	60.8	290.3	47,500										95
100	39.1	266.4	37,100*	44.4	273.6	44,400*	51.4	281.6	48,800	57.7	287.2	44,300										100
105	34.7	259.6	35,000*	40.5	268.0	41,800*	48.0	277.3	45,600	54.6	283.8	41,300										105
110	29.8	251.5	33,200*	36.2	261.5	39,200*	44.3	272.4	42,700	51.3	279.9	38,700	61.5	287.1	32,000							110
115	23.9	241.3	31,900*	31.5	253.8	37,000*	40.4	266.8	40,100	47.8	275.5	36,300	58.5	284.2	30,000							115
120	15.9	226.9	31,000*	25.9	244.4	35,200*	36.1	260.3	37,800	44.2	270.6	34,100	55.3	280.8	28,100							120
125				18.9	231.9	33,900*	31.4	252.6	35,600	40.2	265.0	32,100	52.1	277.1	26,300							125
130				6.2	208.1	33,400*	25.8	243.1	33,600	36.0	258.4	30,300	48.6	272.8	24,800							130
135							18.7	230.5	31,700	31.2	250.7	28,600	45.0	268.0	23,300	55.8	276.2	18,100				135
140							5.5	205.8	29,800	25.6	241.2	27,000	41.2	262.5	21,900	52.6	272.5	16,900				140
145										18.4	228.3	25,500	37.0	256.2	20,700	49.2	268.3	15,900				145
150										4.3	201.8	23,900	32.3	248.8	19,500	45.6	263.6	14,900				150
155													26.9	239.8	18,400	41.8	258.2	14,000	52.7	266.1	9,600	155
160													20.2	227.9	17,300	37.6	252.1	13,100	49.3	262.0	8,900	160
165													9.7	208.3	16,200	33.1	244.8	12,300	45.8	257.3	8,200	165
170																27.8	236.1	11,500	42.0	252.0	7,600	170
175																21.4	224.8	10,700	37.8	245.9	7,000	175
180																11.9	207.3	9,900	33.3	238.7	6,400	180
185																			28.1	230.0	5,800	185
190																			21.7	218.9	5,300	190
195																			12.5	202.0	4,700	195

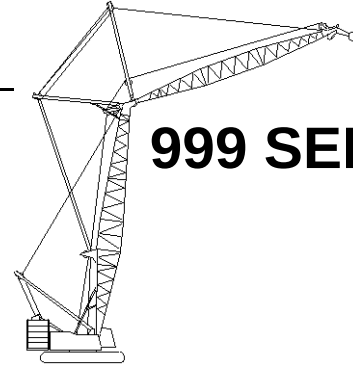


Liftcrane Luffing Jib Capacities

999 SERIES 3

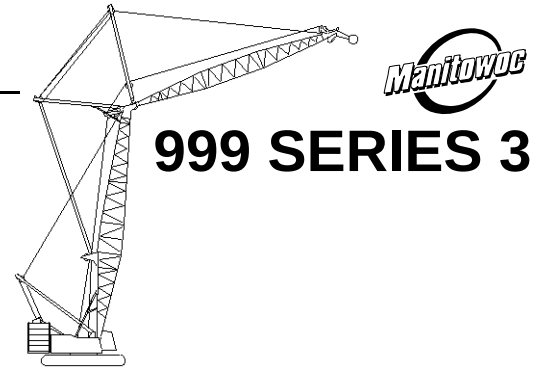
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



190 Ft. Boom, 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	
50	73.1	312.4	57,100*b	73.9	312.5	67,400*b																50
55	70.6	310.7	55,400*	71.4	310.9	66,200*																55
60	68.0	308.7	53,700*	68.9	309.0	64,900*																60
65	65.4	306.5	52,800*	66.3	306.9	62,800*																65
70	62.7	304.0	50,600*																			70
75	60.0	301.2	49,300*	63.6	304.4	59,300*	68.8	307.9	65,300*													75
80	57.2	298.1	46,700*	60.9	301.7	55,800*	66.2	305.7	64,500*													80
85	54.3	294.6	43,600*	58.1	298.7	52,500*	63.5	303.3	60,100													85
90	51.2	290.7	40,800*	55.2	295.4	49,300*	60.8	300.6	55,600	66.1	304.1	50,400										90
95	48.1	286.4	38,300*	52.2	291.6	46,200*	58.0	297.6	51,600	63.5	301.6	46,800										95
100	44.8	281.5	36,000*	49.1	287.4	43,300*	55.2	294.2	48,100	60.7	298.9	43,500										100
105	41.2	276.1	33,800*	45.9	282.7	40,600*	52.2	290.5	44,900	57.9	295.9	40,600										105
110	37.4	269.8	31,900*	42.4	277.5	38,200*	49.1	286.3	42,100	55.1	292.5	38,000										110
115	33.2	262.6	30,200*	38.7	271.5	36,000*	45.8	281.6	39,500	52.1	288.7	35,600	61.4	295.8	29,100							115
120	28.5	254.0	28,800*	34.6	264.6	33,900*	42.3	276.3	37,200	48.9	284.5	33,400	58.6	292.8	27,200							120
125	22.8	243.3	27,800*	30.1	256.5	32,200*	38.6	270.3	35,000	45.7	279.8	31,400	55.7	289.5	25,500							125
130	15.2	228.3	27,100*	24.8	246.6	30,700*	34.5	263.4	33,000	42.2	274.5	29,600	52.8	285.8	24,000							130
135				18.0	233.5	29,700*	30.0	255.3	31,200	38.4	268.5	27,900	49.7	281.7	22,500							135
140				5.9	208.5	29,300*	24.6	245.3	29,500	34.4	261.5	26,400	46.4	277.1	21,200	56.2	284.9	16,100				140
145							17.9	232.0	27,900	29.8	253.4	24,900	43.0	272.0	19,900	53.2	281.3	15,000				145
150							5.3	206.2	26,200	24.4	243.3	23,500	39.3	266.1	18,800	50.1	277.2	14,000				150
155										17.6	229.9	22,200	35.3	259.4	17,700	46.9	272.7	13,100				155
160										4.1	202.1	20,900	30.9	251.6	16,700	43.5	267.6	12,300				160
165													25.7	242.1	15,700	39.9	261.9	11,500	50.3	270.9	7,300	165
170													19.3	229.6	14,700	35.9	255.3	10,700	47.1	266.4	6,700	170
175													9.2	209.1	13,800	31.6	247.7	10,000	43.7	261.4	6,100	175
180																26.6	238.4	9,300	40.1	255.7	5,600	180
185																20.4	226.6	8,600	36.1	249.1	5,000	185
190																11.4	208.3	7,900	31.8	241.5	4,500	190
195																			26.8	232.4	4,000	195



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

190 Ft. Boom, 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	74.4	322.8	53,500*																			50
55	72.1	321.3	52,000*																			55
60	69.8	319.5	51,200*	72.9	321.4	61,900*																60
65	67.4	317.5	49,800*	70.6	319.7	60,900*																65
70	65.0	315.2	47,800*	68.2	317.7	59,800*																70
75	62.5	312.7	46,500*	65.8	315.6	56,900*	70.5	318.6	60,700*													75
80	60.0	309.9	45,200*	63.3	313.1	53,900*	68.1	316.6	60,300*													80
85	57.4	306.8	42,400*	60.8	310.4	50,800*	65.7	314.4	59,600													85
90	54.7	303.3	39,800*	58.3	307.4	47,900*	63.3	312.0	55,100													90
95	52.0	299.6	37,300*	55.6	304.1	45,100*	60.8	309.3	51,100	65.6	312.8	46,200										95
100	49.1	295.3	35,000*	52.9	300.4	42,400*	58.2	306.3	47,600	63.2	310.3	43,000										100
105	46.1	290.7	33,000*	50.0	296.3	39,800*	55.5	302.9	44,500	60.7	307.6	40,100										105
110	42.9	285.5	31,100*	47.1	291.8	37,400*	52.8	299.2	41,600	58.1	304.6	37,400										110
115	39.5	279.7	29,300*	43.9	286.8	35,200*	50.0	295.2	39,100	55.4	301.2	35,100										115
120	35.9	273.1	27,800*	40.6	281.2	33,300*	47.0	290.7	36,700	52.7	297.5	32,900	61.3	304.5	26,600							120
125	31.8	265.4	26,400*	37.1	274.9	31,500*	43.9	285.6	34,600	49.9	293.4	30,900	58.7	301.5	24,900							125
130	27.3	256.4	25,300*	33.2	267.6	29,700*	40.6	280.0	32,600	46.9	288.9	29,100	56.1	298.2	23,400							130
135	21.9	245.2	24,500*	28.8	259.1	28,300*	37.0	273.7	30,800	43.8	283.8	27,500	53.3	294.6	22,000							135
140	14.6	229.5	24,000*	23.8	248.7	27,100*	33.1	266.4	29,100	40.4	278.2	25,900	50.5	290.6	20,600							140
145				17.3	235.0	26,300*	28.7	257.8	27,500	36.9	271.8	24,500	47.6	286.2	19,400	56.5	293.6	14,400				145
150				5.6	209.0	26,100*	23.6	247.4	26,000	33.0	264.5	23,100	44.5	281.3	18,300	53.8	290.0	13,500				150
155							17.1	233.5	24,600	28.6	255.9	21,900	41.2	275.8	17,200	51.0	286.1	12,600				155
160							5.0	206.6	23,200	23.4	245.4	20,700	37.7	269.6	16,200	48.0	281.7	11,700				160
165										16.9	231.3	19,500	33.9	262.5	15,200	45.0	276.9	10,900				165
170										3.9	202.4	18,300	29.6	254.2	14,300	41.7	271.5	10,200	51.1	279.7	6,100	170
175													24.7	244.2	13,500	38.2	265.4	9,500	48.2	275.4	5,500	175
180													18.6	231.2	12,600	34.5	258.4	8,800	45.1	270.6	5,000	180
185													8.8	209.8	11,800	30.3	250.4	8,200	41.9	265.2	4,500	185
190																25.5	240.7	7,500	38.4	259.2	4,000	190
195																19.6	228.3	6,900				195
200																10.9	209.2	6,300				200



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



190 Ft. Boom, 140 Ft. Jib

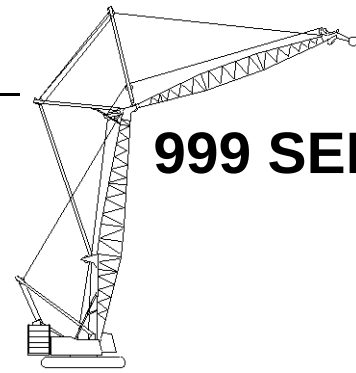
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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	75.6	333.2	49,900*																50
55	73.4	331.8	48,600*																55
60	71.3	330.1	48,000*																60
65	69.1	328.3	46,100*	72.0	330.3	56,700*													65
70	66.9	326.2	45,500*	69.8	328.5	55,900*													70
75	64.6	323.9	44,300*	67.6	326.5	54,500*													75
80	62.3	321.4	42,700*	65.4	324.3	51,800*	69.8	327.4	55,700*										80
85	60.0	318.6	41,300*	63.1	321.8	49,200*	67.6	325.4	55,400*										85
90	57.6	315.5	38,900*	60.8	319.1	46,500*	65.3	323.1	54,400										90
95	55.1	312.1	36,500*	58.4	316.1	44,000*	63.0	320.7	50,400	67.5	323.7	45,400							95
100	52.6	308.3	34,400*	55.9	312.8	41,500*	60.7	317.9	46,900	65.2	321.5	42,200							100
105	49.9	304.3	32,400*	53.4	309.2	39,100*	58.3	314.9	43,800	63.0	319.0	39,300							105
110	47.2	299.8	30,500*	50.8	305.2	36,900*	55.9	311.6	41,000	60.6	316.2	36,700							110
115	44.3	294.8	28,800*	48.1	300.8	34,700*	53.3	308.0	38,400	58.2	313.2	34,300							115
120	41.2	289.3	27,300*	45.2	296.0	32,800*	50.7	304.0	36,100	55.8	309.9	32,200							120
125	38.0	283.1	25,800*	42.2	290.7	30,900*	48.0	299.7	33,900	53.3	306.3	30,200	61.2	313.1	24,100				125
130	34.5	276.2	24,500*	39.1	284.8	29,400*	45.2	294.8	32,000	50.6	302.3	28,400	58.8	310.2	22,600				130
135	30.6	268.2	23,400*	35.7	278.1	27,900*	42.2	289.5	30,200	47.9	297.9	26,800	56.4	306.9	21,100				135
140	26.3	258.7	22,500*	31.9	270.5	26,400*	39.0	283.6	28,500	45.1	293.1	25,200	53.8	303.4	19,800				140
145	21.1	247.0	21,800*	27.7	261.6	25,200*	35.6	276.9	26,900	42.1	287.7	23,800	51.2	299.5	18,600				145
150	14.1	230.7	21,500*	22.9	250.7	24,200*	31.8	269.2	25,500	38.9	281.8	22,500	48.5	295.2	17,500	56.7	302.3	12,600	150
155				16.6	236.4	23,600*	27.6	260.3	24,100	35.5	275.0	21,200	45.7	290.4	16,400	54.2	298.7	11,700	155
160				5.4	209.4	23,400*	22.7	249.4	22,800	31.7	267.3	20,100	42.8	285.2	15,400	51.6	294.9	10,900	160
165							16.5	235.0	21,600	27.5	258.3	19,000	39.6	279.4	14,500	49.0	290.7	10,100	165
170							4.8	207.0	20,400	22.6	247.4	17,900	36.3	272.9	13,600	46.2	286.0	9,400	170
175										16.2	232.7	16,900	32.6	265.4	12,800	43.2	280.9	8,700	175
180										3.7	202.6	15,900	28.5	256.8	12,000	40.1	275.1	8,000	180
185													23.8	246.3	11,200	36.8	268.7	7,400	185
190													17.9	232.8	10,500	33.2	261.4	6,800	190
195													8.5	210.5	9,700	29.1	253.0	6,200	195
200																24.5	242.9	5,700	200
205																18.9	230.0	5,100	205
210																10.5	210.1	4,600	210



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

190 Ft. Boom, 150 Ft. Jib

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	74.6	342.2	45,500*																55
60	72.6	340.7	45,000*																60
65	70.6	339.0	43,300*	73.2	340.8	52,800*													65
70	68.5	337.1	42,300*	71.2	339.1	52,200*													70
75	66.4	334.9	41,200*	69.2	337.3	51,500*													75
80	64.3	332.6	40,200*	67.1	335.2	49,500*													80
85	62.2	330.0	39,900*	65.0	333.0	47,200*	69.1	336.2	51,400*										85
90	60.0	327.2	37,700*	62.9	330.5	44,900*	67.1	334.1	51,200*										90
95	57.8	324.1	35,500*	60.7	327.7	42,600*	65.0	331.8	50,200										95
100	55.5	320.8	33,500*	58.5	324.7	40,300*	62.8	329.3	46,700	67.0	332.4	41,900							100
105	53.1	317.1	31,600*	56.2	321.5	38,100*	60.7	326.6	43,500	64.9	330.2	39,000							105
110	50.6	313.1	29,800*	53.9	317.9	36,000*	58.4	323.6	40,700	62.8	327.7	36,400							110
115	48.1	308.8	28,100*	51.4	314.0	34,000*	56.2	320.3	38,200	60.6	324.9	34,100							115
120	45.5	304.0	26,600*	48.9	309.8	32,100*	53.8	316.8	35,800	58.4	321.9	31,900							120
125	42.7	298.7	25,200*	46.3	305.1	30,400*	51.4	312.9	33,700	56.1	318.6	30,000							125
130	39.8	292.9	23,900*	43.6	300.1	28,700*	48.9	308.6	31,800	53.7	315.0	28,200	61.1	321.8	22,300				130
135	36.6	286.5	22,700*	40.7	294.4	27,200*	46.3	304.0	30,000	51.3	311.1	26,500	58.9	318.8	20,900				135
140	33.3	279.2	21,600*	37.7	288.2	25,900*	43.5	298.9	28,300	48.8	306.9	25,000	56.6	315.6	19,600				140
145	29.6	270.8	20,700*	34.4	281.2	24,600*	40.7	293.2	26,800	46.2	302.2	23,600	54.3	312.1	18,400				145
150	25.3	261.0	20,000*	30.8	273.2	23,400*	37.6	287.0	25,300	43.4	297.1	22,300	51.9	308.3	17,200				150
155	20.3	248.8	19,500*	26.8	263.9	22,500*	34.3	280.0	24,000	40.6	291.4	21,000	49.4	304.1	16,200	56.9	310.9	11,400	155
160	13.6	231.9	19,200*	22.1	252.7	21,700*	30.7	272.0	22,700	37.5	285.2	19,900	46.8	299.5	15,200	54.6	307.5	10,600	160
165				16.1	237.8	21,100*	26.7	262.7	21,500	34.2	278.1	18,800	44.1	294.5	14,300	52.2	303.7	9,800	165
170				5.2	209.8	21,000*	21.9	251.3	20,400	30.6	270.1	17,800	41.2	289.0	13,400	49.8	299.6	9,100	170
175							15.9	236.3	19,300	26.5	260.7	16,800	38.2	282.9	12,600	47.2	295.1	8,400	175
180							4.6	207.3	18,200	21.8	249.3	15,900	35.0	276.0	11,800	44.5	290.1	7,800	180
185										15.6	234.1	15,000	31.4	268.2	11,100	41.7	284.7	7,200	185
190										3.6	202.9	14,000	27.5	259.2	10,400	38.7	278.7	6,600	190
195													22.9	248.3	9,700	35.5	271.9	6,000	195
200													17.2	234.3	9,000	32.0	264.3	5,500	200
205													8.2	211.2	8,300	28.1	255.5	5,000	205
210																23.7	245.0	4,500	210
215																18.2	231.5	4,000	215



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



190 Ft. Boom, 160 Ft. Jib

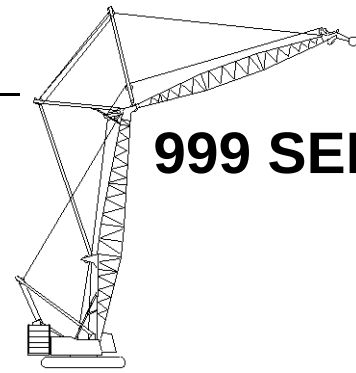
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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	75.6	352.6	42,500*																55
60	73.7	351.2	42,100*																60
65	71.8	349.6	40,600*																65
70	69.9	347.8	39,700*	72.4	349.7	48,600*													70
75	68.0	345.8	38,800*	70.5	348.0	48,100*													75
80	66.1	343.7	37,900*	68.6	346.1	47,100*													80
85	64.1	341.3	37,000*	66.7	344.0	45,100*	70.5	346.9	47,400*										85
90	62.1	338.7	36,300*	64.7	341.7	43,000*	68.6	344.9	47,300*										90
95	60.0	335.9	34,300*	62.7	339.1	41,000*	66.6	342.8	47,200*										95
100	57.9	332.8	32,400*	60.7	336.4	39,000*	64.7	340.5	46,000										100
105	55.7	329.5	30,600*	58.6	333.4	37,000*	62.7	338.0	42,900	66.6	341.2	38,200							105
110	53.5	325.9	29,000*	56.5	330.2	35,000*	60.6	335.3	40,000	64.6	338.9	35,700							110
115	51.3	322.0	27,400*	54.3	326.6	33,200*	58.5	332.3	37,500	62.6	336.3	33,300							115
120	48.9	317.7	25,900*	52.0	322.8	31,400*	56.4	329.0	35,200	60.5	333.6	31,200							120
125	46.5	313.1	24,500*	49.7	318.7	29,700*	54.2	325.5	33,100	58.5	330.6	29,300							125
130	43.9	308.0	23,300*	47.3	314.2	28,100*	52.0	321.7	31,100	56.3	327.3	27,500							130
135	41.3	302.5	22,100*	44.8	309.3	26,600*	49.6	317.5	29,300	54.1	323.8	25,800	61.0	330.4	20,100				135
140	38.4	296.4	21,100*	42.1	303.9	25,300*	47.2	313.0	27,700	51.9	319.9	24,300	58.9	327.5	18,800				140
145	35.4	289.7	20,100*	39.4	298.0	24,000*	44.7	308.1	26,100	49.5	315.8	22,900	56.8	324.3	17,600				145
150	32.2	282.1	19,200*	36.4	291.5	22,900*	42.1	302.7	24,700	47.1	311.3	21,600	54.6	320.8	16,500				150
155	28.6	273.4	18,400*	33.3	284.2	21,900*	39.3	296.8	23,400	44.6	306.3	20,400	52.4	317.1	15,400				155
160	24.5	263.2	17,800*	29.8	275.9	20,900*	36.4	290.3	22,100	42.0	300.9	19,200	50.1	313.0	14,400	57.1	319.6	9,700	160
165	19.6	250.5	17,400*	25.9	266.2	20,100*	33.2	283.0	20,900	39.2	295.0	18,100	47.7	308.6	13,500	55.0	316.2	9,000	165
170	13.1	233.0	17,200*	21.3	254.5	19,400*	29.7	274.6	19,800	36.3	288.4	17,100	45.2	303.7	12,700	52.7	312.5	8,300	170
175				15.5	239.1	19,000*	25.8	264.9	18,800	33.1	281.1	16,200	42.6	298.4	11,900	50.4	308.5	7,600	175
180				5.0	210.2	19,000*	21.2	253.2	17,800	29.6	272.7	15,300	39.9	292.6	11,100	48.1	304.1	7,000	180
185							15.4	237.7	16,800	25.7	263.0	14,400	36.9	286.2	10,400	45.6	299.3	6,400	185
190							4.5	207.7	15,800	21.0	251.1	13,600	33.8	279.1	9,700	43.0	294.1	5,800	190
195										15.1	235.4	12,800	30.4	271.0	9,000	40.3	288.4	5,300	195
200										3.4	203.2	11,900	26.6	261.6	8,400	37.4	282.1	4,700	200
205													22.2	250.3	7,800	34.3	275.0	4,300	205
210													16.7	235.7	7,200				210
215													7.9	211.9	6,600				215



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

190 Ft. Boom, 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	74.7	361.6	39,300*																60
65	72.9	360.1	38,600*																65
70	71.2	358.4	37,800*	73.5	360.2	45,200*													70
75	69.4	356.6	36,500*	71.7	358.6	44,800*													75
80	67.5	354.6	35,700*	69.9	356.8	44,300*													80
85	65.7	352.4	35,400*	68.1	354.8	43,000*													85
90	63.8	350.0	34,600*	66.3	352.7	41,300*	69.9	355.7	43,800*										90
95	61.9	347.4	33,200*	64.4	350.3	39,500*	68.1	353.7	43,700*										95
100	60.0	344.5	31,500*	62.6	347.8	37,600*	66.3	351.6	43,600*										100
105	58.0	341.5	29,800*	60.6	345.0	35,900*	64.4	349.2	42,300	68.0	352.0	37,700							105
110	56.0	338.2	28,200*	58.7	342.1	34,100*	62.5	346.7	39,500	66.2	349.9	35,100							110
115	53.9	334.6	26,800*	56.7	338.9	32,400*	60.6	343.9	37,000	64.3	347.5	32,800							115
120	51.8	330.8	25,300*	54.6	335.4	30,700*	58.6	340.9	34,700	62.4	345.0	30,600							120
125	49.6	326.6	24,000*	52.5	331.6	29,100*	56.6	337.7	32,600	60.5	342.2	28,700							125
130	47.4	322.1	22,800*	50.3	327.6	27,600*	54.6	334.2	30,600	58.6	339.2	26,900							130
135	45.0	317.3	21,600*	48.1	323.2	26,200*	52.5	330.5	28,800	56.5	336.0	25,300	62.9	341.8	19,500				135
140	42.5	312.0	20,600*	45.8	318.5	24,900*	50.3	326.4	27,200	54.5	332.5	23,800	61.0	339.1	18,200				140
145	40.0	306.2	19,600*	43.4	313.3	23,600*	48.0	322.0	25,600	52.4	328.7	22,400	59.0	336.2	17,000				145
150	37.2	299.8	18,800*	40.8	307.7	22,500*	45.7	317.3	24,200	50.2	324.7	21,100	57.0	333.0	15,900				150
155	34.3	292.8	17,900*	38.1	301.5	21,400*	43.3	312.1	22,900	48.0	320.3	19,900	55.0	329.6	14,800				155
160	31.2	284.9	17,200*	35.3	294.7	20,500*	40.8	306.5	21,700	45.6	315.5	18,700	52.9	325.8	13,900				160
165	27.7	275.8	16,600*	32.2	287.1	19,600*	38.1	300.3	20,500	43.2	310.3	17,700	50.7	321.9	13,000	57.3	328.3	8,400	165
170	23.8	265.2	16,100*	28.9	278.5	18,800*	35.2	293.5	19,400	40.7	304.7	16,600	48.5	317.5	12,100	55.3	324.9	7,700	170
175	19.0	252.2	15,700*	25.1	268.5	18,100*	32.2	285.8	18,400	38.0	298.5	15,700	46.2	312.8	11,300	53.2	321.2	7,000	175
180	12.7	234.1	15,600*	20.7	256.4	17,600*	28.8	277.2	17,400	35.1	291.6	14,800	43.8	307.8	10,600	51.0	317.3	6,400	180
185				15.1	240.4	17,200*	25.0	267.2	16,400	32.0	284.0	14,000	41.3	302.2	9,800	48.8	313.0	5,800	185
190				4.8	210.6	17,100*	20.6	255.0	15,600	28.7	275.3	13,200	38.6	296.2	9,200	46.5	308.4	5,200	190
195							14.9	238.9	14,700	24.9	265.2	12,400	35.8	289.5	8,500	44.1	303.4	4,700	195
200							4.3	208.0	13,800	20.4	252.9	11,600	32.8	282.0	7,900	41.6	297.9	4,200	200
205										14.7	236.7	10,900	29.5	273.6	7,300				205
210										3.3	203.4	10,100	25.8	263.8	6,700				210
215													21.5	252.2	6,200				215
220													16.1	237.1	5,700				220
225													7.7	212.5	5,100				225

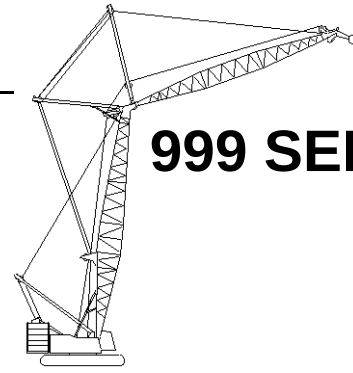


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



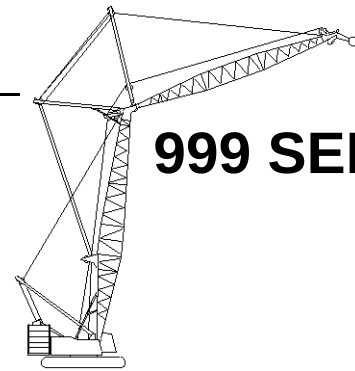
190 Ft. Boom, 180 Ft. Jib

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	75.6	372.0	36,500*																60
65	73.9	370.6	36,100*																65
70	72.2	369.0	35,400*																70
75	70.6	367.3	34,700*	72.8	369.1	41,600*													75
80	68.9	365.4	33,500*	71.1	367.4	41,200*													80
85	67.1	363.3	33,200*	69.4	365.6	40,800*													85
90	65.4	361.1	32,600*	67.7	363.6	39,300*													90
95	63.6	358.6	31,500*	66.0	361.4	37,700*	69.4	364.5	40,300*										95
100	61.8	356.0	30,400*	64.2	359.0	36,100*	67.7	362.5	40,200*										100
105	60.0	353.2	28,900*	62.4	356.5	34,500*	65.9	360.3	40,100*										105
110	58.1	350.2	27,400*	60.6	353.7	32,900*	64.2	357.9	38,800	67.6	360.8	34,300							110
115	56.2	346.9	26,000*	58.7	350.7	31,400*	62.4	355.3	36,300	65.9	358.6	32,000							115
120	54.3	343.4	24,700*	56.9	347.5	29,900*	60.6	352.6	34,000	64.1	356.2	29,900							120
125	52.3	339.6	23,400*	54.9	344.1	28,400*	58.7	349.6	31,900	62.3	353.7	28,000							125
130	50.2	335.5	22,200*	52.9	340.4	27,000*	56.8	346.4	30,000	60.5	350.9	26,200							130
135	48.1	331.1	21,100*	50.9	336.4	25,700*	54.9	342.9	28,200	58.6	347.9	24,600							135
140	45.9	326.4	20,100*	48.8	332.1	24,400*	52.9	339.2	26,500	56.7	344.7	23,100	62.7	350.5	17,400				140
145	43.7	321.3	19,100*	46.6	327.5	23,200*	50.9	335.3	25,000	54.8	341.2	21,700	60.9	347.8	16,200				145
150	41.3	315.7	18,300*	44.4	322.6	22,000*	48.8	331.0	23,600	52.8	337.5	20,400	59.1	344.8	15,100				150
155	38.8	309.7	17,400*	42.1	317.2	21,000*	46.6	326.4	22,300	50.8	333.5	19,200	57.2	341.7	14,100				155
160	36.1	303.1	16,700*	39.6	311.3	20,000*	44.4	321.4	21,000	48.7	329.2	18,000	55.3	338.3	13,100				160
165	33.3	295.8	16,000*	37.0	304.9	19,100*	42.0	316.0	19,900	46.5	324.6	17,000	53.3	334.6	12,200				165
170	30.3	287.6	15,400*	34.3	297.8	18,400*	39.6	310.1	18,800	44.3	319.6	16,000	51.3	330.7	11,400	57.5	337.0	6,800	170
175	26.9	278.2	14,900*	31.3	289.9	17,600*	37.0	303.6	17,800	41.9	314.2	15,000	49.2	326.5	10,600	55.5	333.6	6,200	175
180	23.1	267.3	14,400*	28.0	281.0	16,900*	34.2	296.6	16,800	39.5	308.3	14,200	47.0	321.9	9,800	53.6	330.0	5,600	180
185	18.5	253.8	14,200*	24.4	270.6	16,300*	31.2	288.6	15,900	36.9	301.8	13,300	44.8	317.0	9,100	51.6	326.1	5,000	185
190	12.3	235.2	14,100*	20.1	258.1	15,900*	27.9	279.7	15,000	34.1	294.7	12,500	42.5	311.7	8,400	49.5	321.9	4,400	190
195				14.6	241.7	15,600*	24.3	269.3	14,200	31.1	286.8	11,800	40.0	305.9	7,800				195
200				4.7	211.0	14,800*	20.0	256.7	13,400	27.8	277.8	11,100	37.5	299.6	7,200				200
205							14.5	240.2	12,600	24.1	267.3	10,400	34.7	292.6	6,600				205
210							4.2	208.4	11,800	19.8	254.6	9,700	31.8	284.9	6,100				210
215										14.2	237.9	9,000	28.6	276.1	5,500				215
220										3.2	203.6	8,300	25.0	266.1	5,000				220
225													20.9	254.0	4,500				225
230													15.7	238.5	4,000				230

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

190 Ft. Boom, 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	74.8	381.0	33,600*													65
70	73.2	379.5	33,200*													70
75	71.6	377.9	32,500*	73.7	379.6	38,600*										75
80	70.0	376.1	31,900*	72.1	378.0	38,300*										80
85	68.4	374.2	31,300*	70.5	376.3	38,000*										85
90	66.8	372.0	30,700*	68.9	374.4	37,300*										90
95	65.1	369.8	30,100*	67.3	372.3	36,000*	70.5	375.1	37,100*							95
100	63.4	367.3	29,100*	65.7	370.1	34,600*	68.9	373.3	37,100*							100
105	61.7	364.7	27,900*	64.0	367.7	33,200*	67.3	371.2	37,100*							105
110	60.0	361.9	26,600*	62.3	365.1	31,800*	65.6	369.0	37,000*							110
115	58.2	358.8	25,300*	60.6	362.4	30,400*	63.9	366.6	36,000	67.2	369.5	31,700				115
120	56.4	355.6	24,000*	58.8	359.4	29,000*	62.2	364.0	33,700	65.6	367.3	29,600				120
125	54.6	352.1	22,800*	57.0	356.2	27,700*	60.5	361.2	31,600	63.9	364.9	27,700				125
130	52.7	348.4	21,700*	55.2	352.8	26,300*	58.8	358.3	29,700	62.2	362.3	25,900				130
135	50.8	344.4	20,600*	53.3	349.2	25,100*	57.0	355.1	27,900	60.5	359.5	24,300				135
140	48.8	340.1	19,600*	51.4	345.3	23,900*	55.2	351.7	26,200	58.7	356.6	22,800				140
145	46.8	335.5	18,700*	49.5	341.1	22,700*	53.3	348.0	24,700	56.9	353.4	21,400	62.6	359.2	15,900	145
150	44.6	330.5	17,800*	47.4	336.6	21,700*	51.4	344.1	23,300	55.1	349.9	20,100	60.9	356.4	14,800	150
155	42.4	325.2	17,000*	45.3	331.7	20,600*	49.4	339.9	22,000	53.2	346.3	18,900	59.1	353.5	13,800	155
160	40.1	319.4	16,200*	43.1	326.5	19,700*	47.4	335.4	20,800	51.3	342.4	17,700	57.3	350.3	12,800	160
165	37.7	313.1	15,600*	40.9	320.9	18,800*	45.3	330.6	19,600	49.3	338.2	16,700	55.5	347.0	11,900	165
170	35.1	306.3	15,000*	38.5	314.8	18,000*	43.1	325.3	18,500	47.3	333.6	15,700	53.7	343.4	11,100	170
175	32.4	298.7	14,300*	36.0	308.1	17,200*	40.8	319.7	17,500	45.2	328.8	14,800	51.7	339.5	10,300	175
180	29.4	290.2	13,900*	33.3	300.8	16,500*	38.4	313.6	16,500	43.0	323.6	13,900	49.8	335.4	9,500	180
185	26.2	280.5	13,400*	30.4	292.6	15,900*	35.9	306.9	15,600	40.7	317.9	13,100	47.8	330.9	8,800	185
190	22.4	269.3	13,100*	27.3	283.4	15,300*	33.2	299.5	14,800	38.4	311.8	12,300	45.7	326.1	8,200	190
195	18.0	255.4	12,900*	23.7	272.7	14,800*	30.4	291.4	13,900	35.8	305.1	11,500	43.5	321.0	7,500	195
200	12.0	236.2	12,800*	19.5	259.8	14,400*	27.2	282.1	13,100	33.1	297.7	10,800	41.3	315.5	6,900	200
205				14.2	242.9	13,900*	23.6	271.4	12,400	30.2	289.5	10,100	38.9	309.4	6,400	205
210				4.6	211.3	13,100*	19.4	258.4	11,700	27.1	280.2	9,500	36.4	302.9	5,800	210
215							14.1	241.4	11,000	23.5	269.4	8,800	33.8	295.6	5,300	215
220							4.1	208.7	10,200	19.3	256.3	8,200	30.9	287.6	4,800	220
225										13.8	239.1	7,600	27.8	278.6	4,300	225
230										3.1	203.9	7,000				230

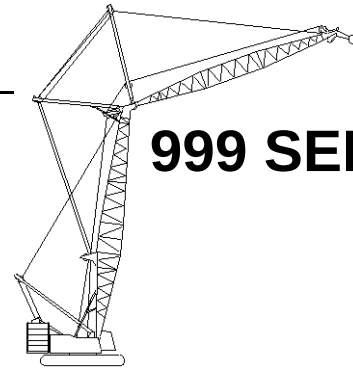


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



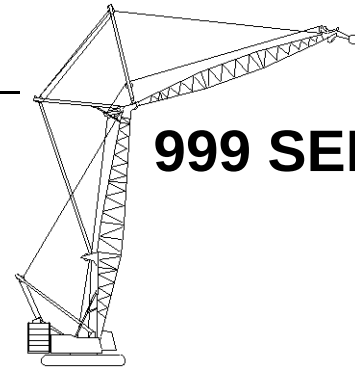
190 Ft. Boom, 200 Ft. Jib

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	75.6	391.3	31,100*													65
70	74.1	389.9	30,900*													70
75	72.6	388.4	30,400*													75
80	71.1	386.7	29,500*	73.1	388.5	35,500*										80
85	69.5	384.9	29,300*	71.6	386.9	35,200*										85
90	68.0	382.9	28,800*	70.0	385.1	34,900*										90
95	66.4	380.8	28,200*	68.5	383.1	34,100*										95
100	64.9	378.5	27,700*	66.9	381.1	32,900*	70.0	384.0	34,100*							100
105	63.3	376.0	26,800*	65.4	378.8	31,700*	68.5	382.0	34,100*							105
110	61.6	373.4	25,600*	63.8	376.4	30,500*	66.9	379.9	34,000*							110
115	60.0	370.5	24,400*	62.2	373.8	29,200*	65.3	377.7	33,900*							115
120	58.3	367.5	23,200*	60.5	371.0	28,000*	63.8	375.3	33,000	66.9	378.3	28,900				120
125	56.6	364.3	22,100*	58.9	368.1	26,800*	62.1	372.7	30,900	65.3	376.0	26,900				125
130	54.9	360.8	21,100*	57.2	364.9	25,600*	60.5	369.9	29,000	63.7	373.6	25,200				130
135	53.1	357.1	20,100*	55.4	361.5	24,400*	58.8	366.9	27,200	62.1	371.0	23,600				135
140	51.3	353.2	19,100*	53.7	357.9	23,300*	57.1	363.8	25,600	60.4	368.2	22,100				140
145	49.4	349.0	18,200*	51.9	354.1	22,200*	55.4	360.4	24,100	58.8	365.2	20,700				145
150	47.5	344.5	17,400*	50.0	349.9	21,200*	53.6	356.8	22,700	57.1	362.1	19,400	62.4	367.8	14,000	150
155	45.5	339.7	16,600*	48.1	345.6	20,200*	51.8	352.9	21,400	55.3	358.7	18,200	60.8	365.1	13,000	155
160	43.4	334.5	15,800*	46.1	340.9	19,300*	50.0	348.8	20,100	53.6	355.0	17,100	59.2	362.1	12,000	160
165	41.3	329.0	15,100*	44.1	335.8	18,400*	48.1	344.4	19,000	51.8	351.2	16,000	57.5	359.0	11,100	165
170	39.1	323.0	14,500*	42.0	330.4	17,600*	46.1	339.7	17,900	49.9	347.0	15,000	55.7	355.7	10,300	170
175	36.7	316.5	14,000*	39.8	324.5	16,800*	44.1	334.6	16,900	48.0	342.6	14,100	54.0	352.1	9,500	175
180	34.2	309.3	13,400*	37.5	318.2	16,100*	41.9	329.2	15,900	46.0	337.9	13,200	52.2	348.3	8,800	180
185	31.5	301.5	12,900*	35.0	311.3	15,500*	39.7	323.3	15,000	44.0	332.9	12,400	50.3	344.2	8,100	185
190	28.7	292.7	12,500*	32.4	303.7	14,900*	37.4	317.0	14,200	41.9	327.4	11,600	48.4	339.9	7,400	190
195	25.5	282.8	12,100*	29.6	295.3	14,400*	35.0	310.1	13,300	39.7	321.5	10,900	46.5	335.2	6,800	195
200	21.8	271.2	11,800*	26.5	285.7	14,000*	32.4	302.5	12,600	37.3	315.2	10,200	44.5	330.3	6,200	200
205	17.5	256.9	11,600*	23.1	274.7	13,300*	29.6	294.0	11,800	34.9	308.2	9,500	42.4	324.9	5,600	205
210	11.7	237.2	10,900*	19.0	261.5	12,600*	26.5	284.4	11,100	32.3	300.6	8,900	40.2	319.1	5,100	210
215				13.8	244.1	11,900*	23.0	273.4	10,400	29.5	292.1	8,200	37.9	312.9	4,600	215
220				4.4	211.7	11,200*	18.9	260.1	9,800	26.4	282.5	7,700	35.5	306.1	4,100	220
225							13.7	242.6	9,100	22.9	271.4	7,100				225
230							4.0	209.0	8,500	18.8	258.0	6,500				230
235										13.5	240.2	6,000				235
240										3.0	204.1	5,400				240

Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

190 Ft. Boom, 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	
70	74.9	400.3	28,700*													70
75	73.4	398.9	28,400*													75
80	72.0	397.3	28,000*	73.9	398.9	32,800*										80
85	70.6	395.6	27,500*	72.5	397.4	32,600*										85
90	69.1	393.7	27,000*	71.0	395.7	32,400*										90
95	67.6	391.7	26,500*	69.6	393.9	32,100*										95
100	66.1	389.5	26,100*	68.1	391.9	31,400*	71.0	394.6	31,400*							100
105	64.6	387.2	25,600*	66.6	389.8	30,300*	69.5	392.8	31,400*							105
110	63.1	384.7	24,700*	65.1	387.5	29,200*	68.1	390.8	31,300*							110
115	61.6	382.0	23,600*	63.6	385.1	28,100*	66.6	388.7	31,300*							115
120	60.0	379.2	22,500*	62.1	382.5	27,000*	65.1	386.4	31,200*	68.0	389.1	28,300				120
125	58.4	376.2	21,500*	60.5	379.7	25,900*	63.6	383.9	30,400	66.5	387.0	26,400				125
130	56.8	372.9	20,500*	58.9	376.7	24,800*	62.0	381.3	28,500	65.0	384.7	24,600				130
135	55.1	369.5	19,600*	57.3	373.6	23,700*	60.5	378.6	26,700	63.5	382.3	23,000				135
140	53.4	365.9	18,700*	55.7	370.2	22,700*	58.9	375.6	25,100	62.0	379.7	21,500				140
145	51.7	362.0	17,800*	54.0	366.7	21,700*	57.3	372.4	23,600	60.4	376.9	20,100				145
150	49.9	357.9	17,000*	52.3	362.9	20,700*	55.6	369.1	22,200	58.8	373.9	18,800				150
155	48.1	353.5	16,200*	50.5	358.8	19,800*	54.0	365.5	20,800	57.2	370.7	17,600	62.3	376.5	12,400	155
160	46.3	348.8	15,500*	48.7	354.5	18,900*	52.2	361.7	19,600	55.6	367.4	16,500	60.8	373.7	11,400	160
165	44.3	343.8	14,800*	46.9	349.9	18,100*	50.5	357.6	18,500	53.9	363.8	15,500	59.2	370.8	10,600	165
170	42.3	338.4	14,200*	45.0	345.0	17,300*	48.7	353.3	17,400	52.2	360.0	14,500	57.6	367.7	9,700	170
175	40.2	332.6	13,600*	43.0	339.8	16,600*	46.8	348.7	16,400	50.4	355.9	13,600	56.0	364.4	9,000	175
180	38.1	326.4	13,100*	40.9	334.1	15,900*	44.9	343.8	15,400	48.6	351.6	12,700	54.3	360.8	8,200	180
185	35.8	319.7	12,600*	38.8	328.1	15,200*	42.9	338.6	14,500	46.8	347.0	11,900	52.6	357.1	7,500	185
190	33.4	312.3	12,200*	36.5	321.5	14,600*	40.9	332.9	13,700	44.9	342.1	11,100	50.8	353.1	6,900	190
195	30.8	304.2	11,800*	34.2	314.4	14,000*	38.7	326.9	12,900	42.9	336.8	10,400	49.0	348.8	6,300	195
200	27.9	295.2	11,300*	31.6	306.5	13,500*	36.5	320.3	12,100	40.8	331.1	9,700	47.2	344.3	5,700	200
205	24.8	285.0	11,000*	28.9	297.8	12,900*	34.1	313.1	11,400	38.7	325.1	9,000	45.3	339.4	5,100	205
210	21.3	273.0	10,400*	25.9	288.0	12,100*	31.6	305.3	10,700	36.4	318.5	8,400	43.3	334.2	4,600	210
215	17.1	258.4	9,800*	22.5	276.7	11,500*	28.8	296.6	10,000	34.0	311.3	7,800	41.3	328.7	4,100	215
220	11.4	238.2	9,200*	18.5	263.1	10,800*	25.8	286.7	9,400	31.5	303.4	7,200				220
225				13.5	245.3	10,200*	22.4	275.4	8,700	28.7	294.6	6,600				225
230				4.3	212.0	9,500*	18.5	261.7	8,100	25.7	284.8	6,100				230
235							13.4	243.7	7,600	22.3	273.3	5,600				235
240							3.9	209.3	6,900	18.3	259.6	5,100				240
245										13.1	241.4	4,600				245
250										2.9	204.3	4,000				250

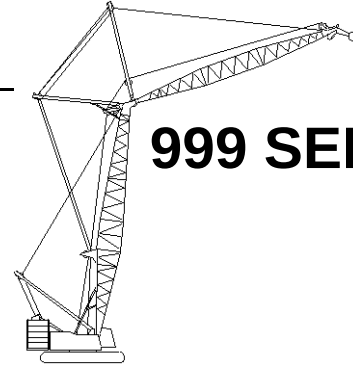


Liftcrane Luffing Jib Capacities

999 SERIES 3

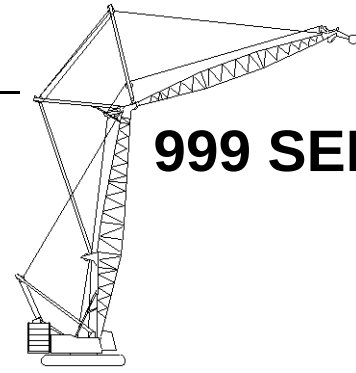
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



200 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	
50	60.3	268.1	72,900*b																			50
55	55.4	264.9	70,500*b	62.2	268.8	86,100*b																55
60	50.2	260.9	68,400*b	57.4	265.8	83,300*b																60
65	44.6	256.2	66,900*	52.3	262.1	79,100*b	62.6	267.9	86,600*b													65
70	38.3	250.3	62,400*	46.9	257.7	73,700*	57.8	264.9	80,000b													70
75	30.8	242.7	58,700*	40.8	252.3	68,500*	52.8	261.3	73,100b	62.9	266.4	66,900b										75
80	21.1	231.9	56,100*	33.9	245.5	64,000*	47.3	257.0	67,100	58.1	263.5	61,400b										80
85				25.4	236.3	60,600*	41.4	251.7	61,900	53.1	259.9	56,600b										85
90				11.7	220.5	57,600*	34.5	245.0	57,400	47.7	255.6	52,400										90
95							26.2	236.1	53,300	41.8	250.4	48,700	60.1	260.8	40,900b							95
100							13.4	221.4	49,500	35.0	243.9	45,400	55.1	257.5	38,100b							100
105										26.8	235.2	42,300	49.9	253.5	35,500							105
110										14.6	221.2	39,500	44.2	248.7	33,200							110
115													37.9	242.7	31,100	56.7	253.1	25,000b				115
120													30.3	235.0	29,100	51.6	249.4	23,300				120
125													20.4	223.9	27,300	46.1	244.9	21,800				125
130																40.0	239.3	20,500				130
135																32.9	232.2	19,200	52.7	243.4	14,200	135
140																24.0	222.6	17,900	47.3	239.0	13,300	140
145																8.1	203.9	16,600	41.3	233.7	12,400	145
150																			34.5	227.0	11,500	150
155																			26.1	218.1	10,600	155
160																			13.2	203.2	9,800	160



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

200 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	
50	64.4	279.5	68,400*b																			50
55	60.3	276.8	66,200*b	65.9	280.0	80,900*b																55
60	56.0	273.6	64,100*	61.9	277.5	78,400*b																60
65	51.5	269.8	62,400*	57.7	274.5	75,700*b	66.3	279.1	81,400*b													65
70	46.7	265.3	59,400*	53.3	270.9	70,500*	62.2	276.6	79,300*b													70
75	41.5	260.0	55,300*	48.7	266.7	65,700*	58.1	273.6	72,400b	66.5	277.6	66,000b										75
80	35.6	253.5	51,900*	43.6	261.8	61,400*	53.7	270.1	66,500	62.5	275.1	60,600b										80
85	28.7	245.3	49,100*	38.0	255.8	57,300*	49.1	266.0	61,300	58.4	272.2	55,800b										85
90	19.7	233.6	47,200*	31.6	248.3	53,800*	44.1	261.1	56,800	54.0	268.7	51,700										90
95				23.6	238.4	51,100*	38.5	255.2	52,800	49.4	264.6	48,000										95
100				10.9	221.3	49,600*	32.2	247.9	49,200	44.4	259.8	44,700	60.0	269.4	37,200b							100
105							24.4	238.2	46,000	38.9	254.0	41,800	55.8	266.2	34,700							105
110							12.5	222.4	43,000	32.7	246.8	39,100	51.3	262.4	32,400							110
115										25.0	237.4	36,600	46.4	257.8	30,300							115
120										13.6	222.3	34,300	41.2	252.5	28,400	57.1	261.8	22,400				120
125													35.3	245.9	26,700	52.7	258.2	21,000				125
130													28.3	237.5	25,000	48.0	253.9	19,600				130
135													19.0	225.6	23,500	42.9	248.8	18,400				135
140																37.2	242.7	17,200				140
145																30.7	235.0	16,100	49.0	248.0	11,500	145
150																22.3	224.5	15,100	44.0	243.1	10,600	150
155																7.5	204.5	14,000	38.5	237.2	9,900	155
160																			32.1	229.9	9,100	160
165																			24.3	220.2	8,400	165
170																			12.3	204.3	7,600	170



Liftcrane Luffing Jib Capacities

999 SERIES 3

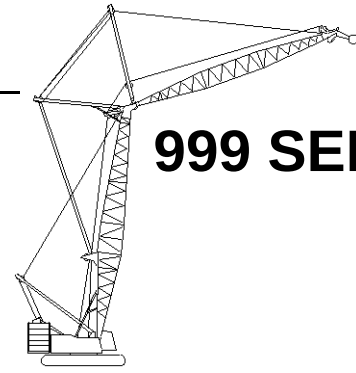
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



200 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	
50	67.4	290.5	64,500*b																			50
55	63.9	288.2	62,400*b	68.8	290.9	76,300*b																55
60	60.3	285.5	60,500*	65.3	288.7	74,100*b																60
65	56.5	282.3	58,800*	61.7	286.1	71,900*b	69.0	290.0	76,400*b													65
70	52.5	278.6	57,200*	58.0	283.1	67,900*	65.6	287.8	74,800*b													70
75	48.4	274.3	53,400*	54.1	279.7	63,500*	62.0	285.2	71,900b													75
80	43.9	269.4	49,600*	50.0	275.7	59,300*	58.3	282.3	66,000	65.8	286.3	60,000b										80
85	39.0	263.6	46,500*	45.7	271.0	55,400*	54.4	278.9	60,900	62.2	283.8	55,300b										85
90	33.5	256.5	43,800*	41.0	265.5	51,900*	50.4	274.9	56,400	58.6	280.8	51,200										90
95	27.0	247.7	41,700*	35.7	259.0	48,600*	46.0	270.3	52,500	54.7	277.4	47,500										95
100	18.5	235.2	40,300*	29.7	251.0	45,800*	41.4	264.9	48,900	50.7	273.5	44,300										100
105				22.2	240.3	43,800*	36.2	258.5	45,800	46.4	269.0	41,400	60.0	278.1	34,100							105
110				10.2	222.2	42,700*	30.3	250.6	42,900	41.7	263.6	38,700	56.3	274.9	31,900							110
115							22.9	240.3	40,200	36.6	257.3	36,300	52.3	271.2	29,800							115
120							11.7	223.4	37,700	30.7	249.5	34,100	48.1	266.9	27,900							120
125										23.5	239.4	32,100	43.6	261.9	26,200	57.5	270.5	20,400				125
130										12.8	223.4	30,100	38.7	256.0	24,700	53.6	267.0	19,100				130
135													33.1	248.9	23,200	49.5	262.9	17,900				135
140													26.6	239.9	21,800	45.1	258.1	16,700				140
145													17.9	227.1	20,500	40.3	252.5	15,700				145
150																35.0	245.9	14,700	50.3	256.9	10,100	150
155																28.8	237.6	13,700	46.0	252.3	9,300	155
160																21.0	226.4	12,800	41.3	246.9	8,600	160
165																7.0	205.1	11,900	36.1	240.5	7,900	165
170																			30.2	232.6	7,300	170
175																			22.9	222.2	6,700	175
180																			11.5	205.2	6,000	180



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

200 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	
50	69.8	301.3	60,600*b																			50
55	66.7	299.3	58,800*b	71.0	301.6	71,500*b																55
60	63.5	296.9	56,900*	67.9	299.7	69,700*b																60
65	60.2	294.1	55,200*	64.8	297.4	67,800*																65
70	56.8	291.0	53,800*	61.5	294.8	65,100*	68.2	298.7	70,100*b													70
75	53.3	287.4	51,200*	58.2	291.8	61,100*	65.0	296.5	68,800*													75
80	49.6	283.3	47,900*	54.7	288.4	57,200*	61.8	293.9	65,300													80
85	45.7	278.6	44,800*	51.1	284.5	53,500*	58.5	291.0	60,200	65.2	295.0	54,500										85
90	41.5	273.2	41,900*	47.3	280.1	50,100*	55.0	287.6	55,800	62.0	292.4	50,400										90
95	36.9	266.9	39,400*	43.2	275.0	46,900*	51.4	283.7	51,800	58.7	289.5	46,800										95
100	31.7	259.4	37,300*	38.7	269.1	44,200*	47.6	279.4	48,300	55.3	286.2	43,500										100
105	25.6	249.9	35,700*	33.8	262.1	41,500*	43.5	274.3	45,100	51.7	282.3	40,600										105
110	17.5	236.8	34,600*	28.1	253.5	39,300*	39.1	268.5	42,300	47.9	278.0	38,000	60.0	286.7	31,000							110
115				21.0	242.2	37,700*	34.2	261.6	39,700	43.8	273.0	35,700	56.6	283.6	29,000							115
120				9.6	223.0	36,900*	28.6	253.2	37,300	39.4	267.2	33,500	53.1	280.0	27,100							120
125							21.7	242.2	35,100	34.6	260.4	31,500	49.4	275.8	25,400							125
130							11.1	224.3	33,000	29.0	252.1	29,700	45.5	271.1	23,900	57.7	279.2	18,100				130
135										22.2	241.4	27,900	41.2	265.7	22,400	54.2	275.7	16,900				135
140										12.1	224.4	26,300	36.6	259.3	21,100	50.6	271.8	15,800				140
145													31.4	251.7	19,900	46.7	267.3	14,800				145
150													25.2	242.1	18,700	42.6	262.1	13,900				150
155													16.9	228.6	17,500	38.1	256.0	13,000	51.4	265.8	8,400	155
160																33.1	248.8	12,100	47.6	261.4	7,700	160
165																27.3	240.0	11,300	43.5	256.4	7,100	165
170																19.9	228.1	10,500	39.1	250.5	6,500	170
175																6.6	205.6	9,600	34.2	243.6	5,900	175
180																			28.6	235.2	5,300	180
185																			21.6	224.1	4,800	185
190																			10.9	206.1	4,200	190

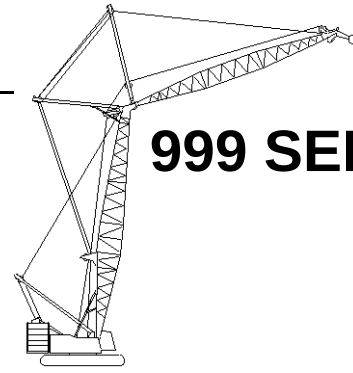


Liftcrane Luffing Jib Capacities

999 SERIES 3

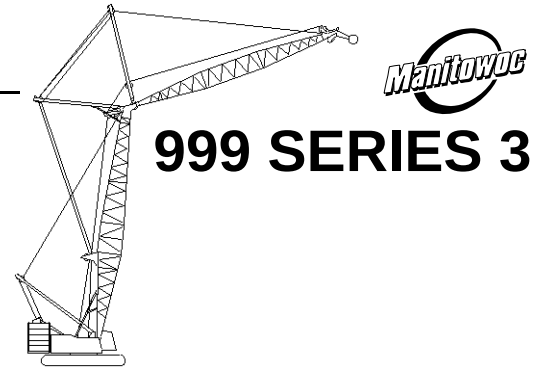
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



200 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	
50	71.7	312.0	57,000*b	72.8	312.2	67,100*b																50
55	68.9	310.1	55,300*b	70.0	310.4	65,600*b																55
60	66.1	308.0	53,500*	67.2	308.4	64,000*																60
65	63.2	305.5	51,900*	64.3	306.1	62,400*	70.2	309.5	65,600*b													65
70	60.2	302.8	51,000*																			70
75	57.1	299.6	49,500*	61.4	303.5	58,800*	67.4	307.5	64,700*													75
80	54.0	296.1	46,300*	58.4	300.5	55,300*	64.6	305.2	63,500*													80
85	50.6	292.2	43,300*	55.2	297.1	51,900*	61.6	302.6	60,000	67.6	306.0	54,200										85
90	47.1	287.7	40,700*	52.0	293.3	48,700*	58.6	299.6	55,600	64.8	303.7	50,200										90
95	43.4	282.6	38,200*	48.5	289.1	45,700*	55.5	296.3	51,700	61.8	301.1	46,500										95
100	39.4	276.8	35,800*	44.9	284.3	42,800*	52.2	292.6	48,200	58.8	298.2	43,300										100
105	35.1	270.1	33,900*	41.0	278.8	40,400*	48.8	288.3	45,000	55.7	294.9	40,500										105
110	30.1	262.1	32,200*	36.8	272.4	38,100*	45.2	283.6	42,200	52.5	291.2	37,900	63.0	298.2	30,700							110
115	24.3	252.1	30,900*	32.2	265.0	35,900*	41.4	278.1	39,600	49.1	287.0	35,500	60.0	295.4	28,700							115
120	16.6	238.2	30,100*	26.8	255.9	34,200*	37.2	271.9	37,300	45.5	282.2	33,400	57.0	292.3	26,900							120
125				20.0	243.9	32,900*	32.6	264.5	35,100	41.6	276.9	31,400	53.8	288.7	25,200							125
130				9.2	223.7	32,300*	27.2	255.6	33,100	37.5	270.7	29,600	50.4	284.7	23,700							130
135							20.6	244.0	31,300	32.9	263.4	27,900	46.9	280.2	22,300	57.9	287.9	16,700				135
140							10.5	225.2	29,500	27.6	254.6	26,300	43.2	275.1	20,900	54.8	284.4	15,600				140
145										21.2	243.2	24,900	39.2	269.3	19,700	51.5	280.6	14,600				145
150										11.5	225.4	23,400	34.8	262.5	18,600	48.1	276.3	13,600				150
155													29.8	254.4	17,500	44.4	271.4	12,800				155
160													23.9	244.2	16,500	40.5	265.8	11,900	52.2	274.6	7,500	160
165													16.1	230.0	15,500	36.2	259.3	11,100	48.8	270.4	6,800	165
170																31.5	251.7	10,400	45.2	265.6	6,200	170
175																25.9	242.3	9,700	41.3	260.2	5,700	175
180																18.9	229.7	9,000	37.2	253.9	5,100	180
185																6.3	206.1	8,200	32.5	246.5	4,600	185
190																			27.2	237.6	4,100	190



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

200 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	
50	73.3	322.5	53,400*																50
55	70.8	320.8	51,900*																55
60	68.2	318.9	50,300*	71.8	321.1	61,500*b													60
65	65.6	316.7	49,400*	69.2	319.2	60,200*													65
70	62.9	314.2	47,400*	66.6	317.1	58,800*													70
75	60.2	311.4	46,900*	64.0	314.8	56,300*	69.4	318.3	60,400*										75
80	57.4	308.3	44,600*	61.3	312.1	53,200*	66.8	316.2	59,600*										80
85	54.5	304.9	41,800*	58.5	309.1	50,100*	64.2	313.9	58,600*										85
90	51.5	301.0	39,300*	55.6	305.8	47,200*	61.5	311.2	54,900	67.0	314.7	49,300							90
95	48.3	296.7	36,800*	52.7	302.1	44,300*	58.7	308.3	51,000	64.4	312.4	45,700							95
100	45.0	291.9	34,700*	49.6	298.0	41,700*	55.9	305.0	47,500	61.7	309.8	42,500							100
105	41.5	286.5	32,800*	46.3	293.4	39,200*	52.9	301.3	44,300	58.9	306.8	39,700							105
110	37.7	280.3	30,900*	42.9	288.2	36,900*	49.8	297.3	41,500	56.1	303.6	37,100							110
115	33.5	273.1	29,300*	39.2	282.4	34,900*	46.6	292.7	39,000	53.1	299.9	34,800	62.8	306.9	27,800				115
120	28.8	264.6	28,000*	35.2	275.6	33,000*	43.2	287.6	36,600	50.0	295.9	32,600	60.0	304.1	26,000				120
125	23.2	254.1	27,000*	30.7	267.7	31,200*	39.5	281.7	34,500	46.8	291.3	30,700	57.2	300.9	24,400				125
130	15.9	239.6	26,400*	25.6	258.1	29,800*	35.5	275.1	32,600	43.4	286.3	28,900	54.3	297.5	22,900				130
135				19.1	245.6	28,800*	31.1	267.3	30,700	39.8	280.5	27,200	51.3	293.6	21,500				135
140				8.7	224.5	28,400*	26.0	257.9	29,000	35.8	273.9	25,700	48.1	289.2	20,200				140
145							19.7	245.7	27,500	31.4	266.2	24,300	44.8	284.4	19,000	55.2	293.2	13,700	145
150							10.0	226.0	25,900	26.4	256.9	22,900	41.3	278.9	17,800	52.3	289.4	12,800	150
155										20.2	245.0	21,700	37.4	272.7	16,800	49.1	285.2	11,900	155
160										11.0	226.3	20,400	33.2	265.5	15,800	45.9	280.6	11,100	160
165													28.5	256.9	14,800	42.4	275.3	10,300	165
170													22.9	246.2	13,900	38.7	269.3	9,600	170
175													15.3	231.3	13,100	34.6	262.4	8,900	175
180																30.1	254.4	8,300	180
185																24.8	244.5	7,600	185
190																18.1	231.3	7,000	190
195																6.0	206.5	6,300	195

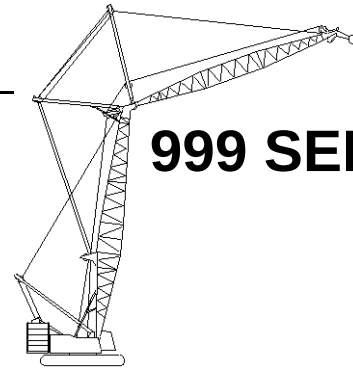


Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



200 Ft. Boom, 130 Ft. Jib

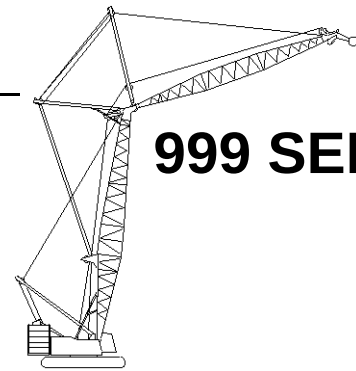
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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	74.6	332.9	50,000*																50
55	72.3	331.4	48,800*																55
60	70.0	329.6	47,400*	73.2	331.6	57,500*b													60
65	67.6	327.6	46,700*	70.9	329.9	56,500*													65
70	65.2	325.4	45,400*	68.5	328.0	55,400*													70
75	62.7	322.9	43,600*	66.1	325.9	54,200*													75
80	60.2	320.1	42,500*	63.7	323.5	51,500*	68.7	327.1	55,700*										80
85	57.6	317.0	40,900*	61.2	320.8	48,700*	66.3	324.9	55,000*										85
90	54.9	313.6	38,500*	58.6	317.8	46,000*	63.9	322.5	54,200*										90
95	52.2	309.8	36,200*	56.0	314.5	43,500*	61.4	319.9	50,400	66.5	323.4	45,200							95
100	49.3	305.7	34,000*	53.3	310.9	41,000*	58.8	317.0	47,000	64.0	321.0	42,000							100
105	46.3	301.0	32,000*	50.4	306.9	38,600*	56.2	313.7	43,900	61.6	318.4	39,100							105
110	43.1	295.9	30,400*	47.5	302.5	36,400*	53.5	310.1	41,100	59.0	315.5	36,600							110
115	39.8	290.1	28,700*	44.4	297.5	34,300*	50.7	306.1	38,500	56.4	312.3	34,200							115
120	36.1	283.5	27,200*	41.1	292.0	32,400*	47.7	301.7	36,200	53.7	308.7	32,100	62.6	315.5	25,400				120
125	32.1	276.0	25,900*	37.6	285.8	30,800*	44.6	296.8	34,100	50.9	304.7	30,200	60.0	312.7	23,800				125
130	27.6	267.1	24,800*	33.8	278.7	29,300*	41.4	291.4	32,100	47.9	300.4	28,400	57.4	309.6	22,300				130
135	22.3	256.1	24,000*	29.5	270.4	27,700*	37.9	285.2	30,300	44.9	295.5	26,800	54.8	306.2	20,900				135
140	15.2	240.9	23,600*	24.5	260.3	26,600*	34.1	278.2	28,700	41.6	290.1	25,300	52.0	302.4	19,600				140
145				18.3	247.2	25,800*	29.9	270.0	27,100	38.1	284.0	23,800	49.1	298.2	18,400				145
150				8.4	225.1	25,500*	25.0	260.1	25,600	34.4	277.0	22,500	46.1	293.5	17,300	55.6	301.9	12,200	150
155							18.9	247.3	24,300	30.2	268.9	21,300	42.9	288.4	16,300	52.9	298.2	11,300	155
160							9.6	226.8	22,900	25.3	259.2	20,100	39.5	282.5	15,300	50.0	294.1	10,500	160
165										19.4	246.7	19,000	35.9	275.9	14,400	47.1	289.6	9,800	165
170										10.5	227.2	17,900	31.9	268.3	13,500	44.0	284.6	9,100	170
175													27.3	259.3	12,700	40.6	279.0	8,400	175
180													21.9	248.1	11,900	37.1	272.7	7,800	180
185													14.7	232.5	11,100	33.2	265.4	7,100	185
190																28.9	256.9	6,600	190
195																23.8	246.6	6,000	195
200																17.3	232.8	5,400	200
205																5.7	207.0	4,800	205



Liftcrane Luffing Jib Capacities

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

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



999 SERIES 3

200 Ft. Boom, 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	75.7	343.3	46,700*																50
55	73.6	341.9	45,700*																55
60	71.4	340.3	44,500*																60
65	69.3	338.4	43,900*	72.3	340.5	52,800*													65
70	67.1	336.4	42,700*	70.1	338.7	52,000*													70
75	64.8	334.1	41,600*	67.9	336.8	51,100*													75
80	62.5	331.5	40,500*	65.7	334.6	49,200*	70.3	337.8	51,700*										80
85	60.2	328.8	39,500*	63.4	332.1	46,800*	68.1	335.8	51,400*										85
90	57.8	325.7	37,200*	61.1	329.4	44,400*	65.9	333.6	50,900*										90
95	55.3	322.3	35,000*	58.7	326.5	42,000*	63.6	331.2	49,700										95
100	52.7	318.6	33,000*	56.3	323.2	39,700*	61.3	328.6	46,300	66.0	332.1	41,200							100
105	50.1	314.5	31,100*	53.8	319.7	37,500*	58.9	325.6	43,200	63.8	329.7	38,400							105
110	47.4	310.1	29,400*	51.2	315.7	35,400*	56.5	322.4	40,400	61.4	327.1	35,800							110
115	44.5	305.1	27,800*	48.5	311.4	33,500*	54.0	318.8	37,800	59.1	324.2	33,500							115
120	41.5	299.7	26,400*	45.6	306.7	31,600*	51.4	315.0	35,500	56.6	321.0	31,400							120
125	38.2	293.6	25,100*	42.7	301.5	29,900*	48.7	310.7	33,400	54.1	317.4	29,500	62.4	324.2	22,900				125
130	34.7	286.7	23,800*	39.5	295.6	28,300*	45.9	306.0	31,500	51.6	313.6	27,700	60.0	321.4	21,400				130
135	30.9	278.8	22,700*	36.2	289.1	27,000*	42.9	300.8	29,700	48.9	309.3	26,100	57.6	318.3	20,100				135
140	26.6	269.5	21,800*	32.5	281.6	25,700*	39.8	295.0	28,000	46.1	304.7	24,600	55.1	314.9	18,800				140
145	21.5	258.0	21,200*	28.4	272.9	24,500*	36.4	288.5	26,500	43.1	299.5	23,200	52.6	311.2	17,600				145
150	14.7	242.1	20,900*	23.6	262.4	23,600*	32.8	281.1	25,100	40.0	293.8	21,900	50.0	307.1	16,500				150
155				17.6	248.7	22,900*	28.7	272.5	23,700	36.7	287.3	20,600	47.2	302.6	15,500	55.9	310.6	10,400	155
160				8.0	225.8	22,700*	24.0	262.2	22,500	33.0	280.0	19,500	44.3	297.6	14,500	53.4	307.0	9,600	160
165							18.2	248.9	21,300	29.0	271.5	18,400	41.3	292.1	13,600	50.8	303.0	8,900	165
170							9.2	227.6	20,100	24.4	261.3	17,400	38.0	286.0	12,800	48.1	298.6	8,200	170
175										18.7	248.3	16,400	34.5	279.1	12,000	45.2	293.8	7,600	175
180										10.1	228.0	15,400	30.7	271.1	11,200	42.3	288.5	6,900	180
185													26.3	261.7	10,500	39.1	282.6	6,400	185
190													21.1	250.0	9,800	35.7	275.9	5,800	190
195													14.2	233.7	9,100	31.9	268.3	5,300	195
200																27.8	259.4	4,700	200
205																22.9	248.6	4,200	205



Liftcrane Luffing Jib Capacities

999 SERIES 3

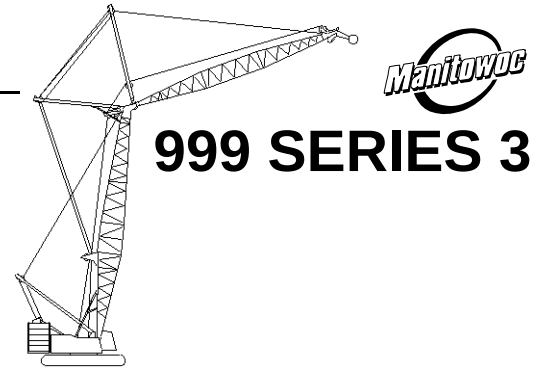
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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



200 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	74.7	352.3	42,900*																55
60	72.7	350.8	42,100*																60
65	70.7	349.1	40,800*	73.5	351.0	49,400*													65
70	68.7	347.2	40,300*	71.5	349.4	48,700*													70
75	66.6	345.1	39,200*	69.5	347.5	48,000*													75
80	64.5	342.8	38,300*	67.4	345.5	47,000*													80
85	62.3	340.2	36,900*	65.3	343.3	44,900*	69.6	346.6	47,800*										85
90	60.2	337.4	36,000*	63.2	340.8	42,700*	67.6	344.6	47,500*										90
95	57.9	334.4	34,000*	61.0	338.1	40,600*	65.5	342.3	47,100*										95
100	55.6	331.0	32,100*	58.8	335.1	38,500*	63.4	339.9	46,000	67.7	343.0	40,900							100
105	53.3	327.4	30,300*	56.5	331.9	36,500*	61.2	337.2	42,900	65.6	340.8	38,100							105
110	50.8	323.4	28,600*	54.2	328.4	34,600*	59.0	334.3	40,100	63.5	338.4	35,500							110
115	48.3	319.1	27,100*	51.8	324.6	32,700*	56.7	331.1	37,600	61.3	335.7	33,200							115
120	45.7	314.3	25,600*	49.3	320.4	30,900*	54.4	327.6	35,300	59.1	332.8	31,100							120
125	42.9	309.1	24,400*	46.7	315.8	29,300*	52.0	323.8	33,200	56.9	329.6	29,200							125
130	40.0	303.3	23,200*	44.0	310.8	27,700*	49.5	319.6	31,300	54.5	326.2	27,500	62.2	332.9	21,200				130
135	36.9	296.9	22,000*	41.1	305.2	26,300*	46.9	315.1	29,500	52.2	322.4	25,800	60.0	330.0	19,800				135
140	33.5	289.7	21,000*	38.1	299.1	25,000*	44.2	310.1	27,800	49.7	318.2	24,300	57.8	327.0	18,500				140
145	29.8	281.4	20,100*	34.9	292.2	23,900*	41.4	304.6	26,300	47.1	313.7	22,900	55.5	323.6	17,400				145
150	25.7	271.7	19,400*	31.3	284.4	22,900*	38.4	298.5	24,900	44.4	308.8	21,600	53.1	320.0	16,300				150
155	20.7	259.8	18,900*	27.4	275.3	21,800*	35.1	291.7	23,600	41.6	303.3	20,400	50.7	316.0	15,200				155
160	14.1	243.3	18,700*	22.8	264.4	21,000*	31.6	284.0	22,300	38.6	297.3	19,300	48.1	311.6	14,300	56.2	319.3	9,400	160
165				17.0	250.2	20,500*	27.7	275.0	21,100	35.4	290.5	18,200	45.5	306.8	13,400	53.9	315.7	8,700	165
170				7.7	226.5	20,400*	23.2	264.3	20,000	31.9	282.8	17,200	42.7	301.6	12,600	51.5	311.8	8,000	170
175							17.6	250.4	19,000	28.0	274.0	16,300	39.8	295.8	11,800	49.0	307.6	7,300	175
180							8.9	228.3	17,900	23.5	263.4	15,400	36.7	289.3	11,000	46.3	303.0	6,700	180
185										18.0	249.9	14,500	33.3	282.1	10,300	43.6	297.9	6,100	185
190										9.7	228.8	13,600	29.6	273.7	9,600	40.7	292.3	5,600	190
195													25.4	263.9	9,000	37.7	286.0	5,100	195
200													20.4	251.8	8,300	34.4	279.0	4,600	200
205													13.7	234.9	7,700	30.8	271.1	4,100	205



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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

200 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	75.7	362.7	40,100*																55
60	73.8	361.3	39,200*																60
65	72.0	359.7	38,800*																65
70	70.1	357.9	37,400*	72.7	359.9	45,500*													70
75	68.1	356.0	37,000*	70.8	358.2	44,900*													75
80	66.2	353.8	36,100*	68.9	356.3	44,300*													80
85	64.2	351.5	34,800*	67.0	354.2	42,800*	71.0	357.2	44,300*										85
90	62.2	348.9	34,500*	65.0	352.0	40,900*	69.1	355.4	44,100*										90
95	60.1	346.1	32,800*	63.0	349.5	39,000*	67.1	353.3	43,900*										95
100	58.0	343.0	31,100*	61.0	346.8	37,100*	65.2	351.0	43,500*										100
105	55.9	339.7	29,400*	58.9	343.8	35,300*	63.2	348.6	42,200	67.3	351.8	37,300							105
110	53.7	336.1	27,800*	56.8	340.6	33,500*	61.1	345.9	39,400	65.3	349.5	34,800							110
115	51.4	332.2	26,300*	54.6	337.1	31,800*	59.1	342.9	36,900	63.3	347.1	32,500							115
120	49.1	328.0	24,900*	52.3	333.4	30,200*	56.9	339.8	34,600	61.3	344.4	30,400							120
125	46.7	323.4	23,600*	50.0	329.3	28,600*	54.8	336.3	32,500	59.2	341.5	28,500							125
130	44.1	318.4	22,400*	47.6	324.8	27,100*	52.5	332.6	30,600	57.1	338.3	26,700							130
135	41.5	312.9	21,400*	45.1	320.0	25,700*	50.2	328.5	28,800	54.9	334.9	25,100	62.1	341.5	19,000				135
140	38.6	306.9	20,400*	42.5	314.7	24,400*	47.8	324.1	27,200	52.7	331.2	23,600	60.0	338.7	17,700				140
145	35.6	300.2	19,500*	39.8	308.9	23,200*	45.3	319.3	25,700	50.4	327.1	22,200	57.9	335.6	16,500				145
150	32.4	292.6	18,600*	36.9	302.4	22,100*	42.7	314.0	24,300	48.0	322.7	20,900	55.8	332.3	15,500				150
155	28.8	284.0	17,900*	33.7	295.2	21,200*	40.0	308.2	23,000	45.5	318.0	19,700	53.6	328.7	14,500				155
160	24.8	273.9	17,300*	30.3	287.1	20,400*	37.1	301.9	21,700	42.9	312.7	18,600	51.3	324.8	13,500				160
165	20.0	261.5	16,900*	26.5	277.7	19,500*	34.0	294.8	20,600	40.2	307.0	17,600	48.9	320.6	12,600	56.5	328.0	7,800	165
170	13.7	244.5	16,700*	22.0	266.3	18,800*	30.6	286.7	19,500	37.3	300.7	16,600	46.5	315.9	11,800	54.3	324.5	7,100	170
175				16.5	251.6	18,400*	26.8	277.4	18,400	34.2	293.6	15,600	44.0	310.9	11,000	52.0	320.6	6,500	175
180				7.5	227.1	18,300*	22.4	266.2	17,400	30.8	285.6	14,800	41.3	305.4	10,300	49.7	316.5	5,900	180
185							17.0	251.9	16,500	27.1	276.4	13,900	38.5	299.3	9,600	47.3	312.0	5,300	185
190							8.6	229.0	15,500	22.7	265.4	13,100	35.5	292.5	8,900	44.8	307.1	4,800	190
195										17.4	251.4	12,300	32.2	284.9	8,300	42.2	301.7	4,300	195
200										9.4	229.6	11,500	28.6	276.3	7,700				200
205													24.6	266.1	7,100				205
210													19.7	253.5	6,500				210
215													13.2	236.1	6,000				215



Liftcrane Luffing Jib Capacities

999 SERIES 3

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

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



200 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	74.8	371.7	36,800*																60
65	73.1	370.2	36,400*																65
70	71.3	368.5	35,700*	73.8	370.4	42,500*													70
75	69.5	366.7	34,400*	72.0	368.8	42,000*													75
80	67.7	364.7	34,100*	70.2	367.0	41,500*													80
85	65.8	362.5	33,300*	68.4	365.1	40,900*													85
90	64.0	360.1	32,600*	66.6	363.0	39,200*	70.3	366.0	41,000*										90
95	62.1	357.5	31,800*	64.7	360.7	37,600*	68.5	364.1	40,800*										95
100	60.1	354.7	30,100*	62.8	358.1	35,900*	66.7	362.0	40,700*										100
105	58.2	351.7	28,600*	60.9	355.4	34,200*	64.9	359.7	40,400*										105
110	56.1	348.4	27,100*	58.9	352.5	32,600*	63.0	357.2	38,900	66.8	360.5	34,200							110
115	54.1	344.9	25,700*	56.9	349.3	31,000*	61.1	354.5	36,400	65.0	358.2	31,900							115
120	52.0	341.0	24,300*	54.9	345.9	29,400*	59.1	351.6	34,100	63.1	355.8	29,800							120
125	49.8	336.9	23,100*	52.8	342.1	28,000*	57.1	348.4	32,000	61.2	353.1	27,900							125
130	47.5	332.4	21,900*	50.6	338.1	26,600*	55.1	345.0	30,100	59.2	350.1	26,200							130
135	45.2	327.6	20,800*	48.4	333.8	25,200*	53.0	341.3	28,300	57.2	347.0	24,600							135
140	42.7	322.3	19,800*	46.1	329.1	24,000*	50.8	337.4	26,700	55.2	343.6	23,100	62.0	350.2	17,100				140
145	40.2	316.6	19,000*	43.7	324.0	22,800*	48.6	333.1	25,200	53.1	339.9	21,700	60.0	347.4	16,000				145
150	37.4	310.3	18,100*	41.2	318.5	21,700*	46.3	328.4	23,800	51.0	336.0	20,400	58.0	344.3	14,900				150
155	34.5	303.3	17,300*	38.5	312.4	20,700*	43.9	323.3	22,500	48.8	331.7	19,200	56.0	341.0	13,900				155
160	31.4	295.4	16,600*	35.7	305.7	19,800*	41.4	317.8	21,300	46.5	327.1	18,100	54.0	337.5	12,900				160
165	28.0	286.5	16,000*	32.7	298.2	19,000*	38.7	311.8	20,100	44.1	322.0	17,100	51.8	333.6	12,100				165
170	24.0	276.0	15,600*	29.4	289.7	18,300*	35.9	305.1	19,000	41.6	316.5	16,100	49.6	329.5	11,200	56.7	336.7	6,500	170
175	19.4	263.2	15,200*	25.7	279.9	17,500*	32.9	297.7	18,000	38.9	310.5	15,200	47.4	325.0	10,500	54.6	333.2	5,900	175
180	13.2	245.7	15,100*	21.3	268.2	17,000*	29.6	289.3	17,000	36.1	303.9	14,300	45.0	320.1	9,700	52.5	329.4	5,300	180
185				16.0	253.0	16,700*	26.0	279.7	16,100	33.1	296.6	13,500	42.6	314.8	9,100	50.3	325.4	4,700	185
190				7.2	227.7	16,600*	21.7	268.1	15,200	29.9	288.3	12,700	40.0	309.0	8,400	48.1	321.0	4,200	190
195							16.5	253.3	14,400	26.2	278.7	11,900	37.3	302.7	7,800				195
200							8.3	229.7	13,500	22.0	267.3	11,200	34.4	295.6	7,200				200
205										16.9	252.8	10,500	31.2	287.7	6,600				205
210										9.1	230.4	9,800	27.7	278.7	6,100				210
215													23.8	268.2	5,500				215
220													19.1	255.2	5,000				220
225													12.8	237.2	4,500				225