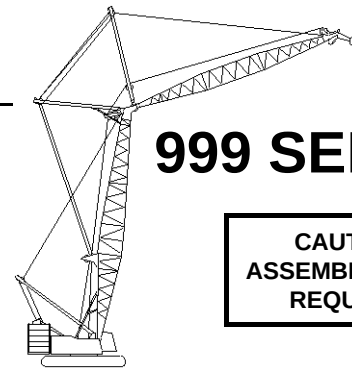




Liftcrane Luffing Jib Capacities



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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

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 New York City criteria of 1.4 factor applied to total machine moment. Capacities based on structural competence are denoted by an asterisk (*). Capacities indicated by (b) require 3,900 Lb. minimum block weight.

Lower boom point must be completely removed for use of this chart.

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 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. A01426**, Wire Rope Specification chart **No. 8357-C** and Luffing Jib Raising Procedure chart **No. 8411-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 (outrigger jacks raised) 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-D**.

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.

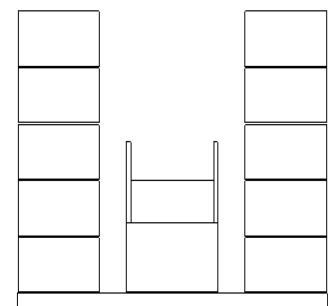
LUFFING JIB POINT ELEVATION: Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

MACHINE EQUIPMENT: Machine equipped with 28 Ft. 2 in. crawlers, 48 in. treads, 5 Ft. raising outrigger, 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.

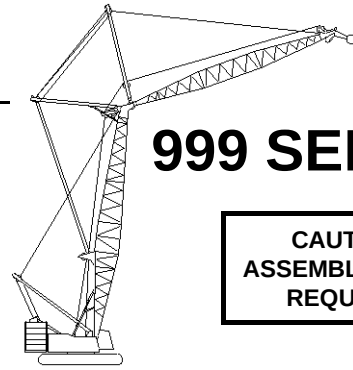
Consult chart **No. 8377-A** for intermediate fall capacities.
Consult chart **No. 8380-A** for fixed jib on luffing jib capacities.

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

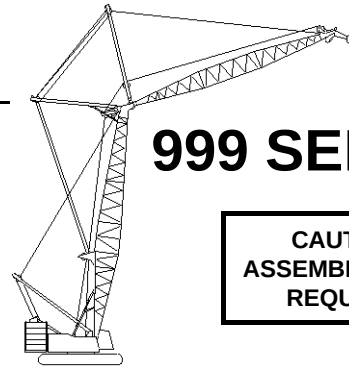
New York City Code
Luffing Jib No. 149 With
Jib Backstay Pendants On
Boom No. 82
219,600 Lb. Crane Counterweight
80,000 Lb. Carbody Counterweight
360 Degree Rating

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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

200 Ft. Boom, 150 Ft. Jib

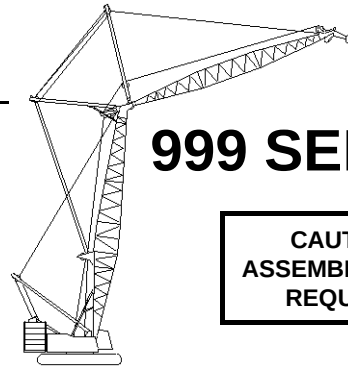
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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

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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

200 Ft. Boom, 160 Ft. Jib

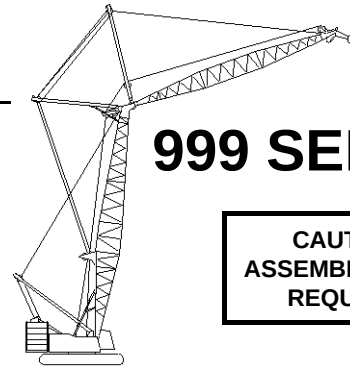
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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

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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

200 Ft. Boom, 170 Ft. Jib

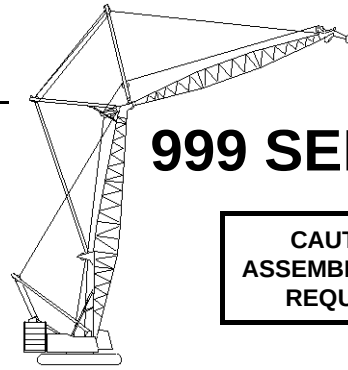
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			80 Degree Boom Angle			75 Degree Boom Angle			70 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Ang. Deg.	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	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



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



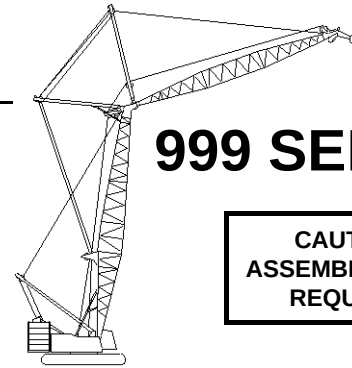
999 SERIES 3

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

210 Ft. Boom, 110 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	71.9	322.1	52,200* b							50
55	69.1	320.3	50,700* b	73.2	322.4	61,500* b				55
60	66.3	318.1	49,300*	70.4	320.7	60,000* b				60
65	63.4	315.7	47,900*	67.6	318.7	58,500*				65
70	60.4	313.0	46,500*	64.7	316.4	57,100*	70.9	319.8	59,900* b	70
75	57.4	309.9	45,300*	61.8	313.8	54,800*	68.1	317.9	59,000*	75
80	54.2	306.4	43,300*	58.8	310.9	51,600*	65.3	315.7	57,900*	80
85	50.9	302.5	40,600*	55.7	307.6	48,500*	62.4	313.2	56,700*	85
90	47.4	298.0	38,200*	52.4	303.9	45,600*	59.4	310.3	54,900	90
95	43.7	293.0	35,900*	49.0	299.7	42,900*	56.3	307.1	51,000	95
100	39.7	287.3	33,800*	45.4	295.0	40,300*	53.0	303.4	47,500	100
105	35.4	280.6	31,900*	41.6	289.6	37,900*	49.7	299.3	44,400	105
110	30.5	272.7	30,400*	37.5	283.4	35,800*	46.1	294.7	41,600	110
115	24.8	262.9	29,200*	32.9	276.1	33,900*	42.3	289.5	39,100	115
120	17.3	249.4	28,400*	27.6	267.3	32,300*	38.3	283.4	36,700	120
125				21.1	255.8	31,000*	33.8	276.4	34,600	125
130				11.3	237.8	30,300*	28.6	267.9	32,600	130
135							22.4	257.1	30,800	135
140							13.7	241.1	29,100	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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

210 Ft. Boom, 120 Ft. Jib

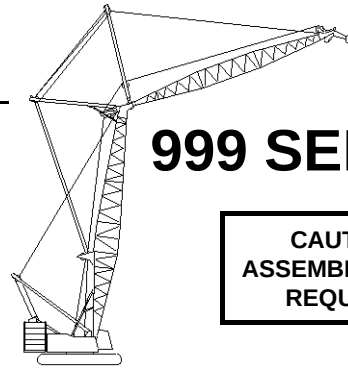
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	73.4	332.6	49,000* ^b							50
55	70.9	330.9	47,700*							55
60	68.4	329.0	46,500*	72.1	331.3	56,300* ^b				60
65	65.8	326.8	45,100*	69.6	329.5	55,000*				65
70	63.1	324.4	43,800*	67.0	327.4	53,800*				70
75	60.4	321.6	42,600*	64.4	325.1	52,500*	70.0	328.7	55,000*	75
80	57.6	318.6	41,900*	61.7	322.5	49,900*	67.5	326.7	54,200*	80
85	54.7	315.1	39,500*	58.9	319.6	47,100*	64.8	324.4	53,400*	85
90	51.7	311.3	37,100*	56.0	316.3	44,400*	62.2	321.8	52,300*	90
95	48.5	307.0	34,900*	53.1	312.7	41,800*	59.4	319.0	50,300	95
100	45.2	302.2	33,000*	50.0	308.6	39,400*	56.6	315.8	46,800	100
105	41.7	296.8	31,100*	46.8	304.1	37,100*	53.6	312.2	43,700	105
110	37.9	290.7	29,400*	43.4	299.0	35,000*	50.6	308.2	40,900	110
115	33.8	283.6	27,900*	39.7	293.2	33,200*	47.4	303.8	38,400	115
120	29.2	275.3	26,700*	35.8	286.6	31,300*	44.0	298.8	36,100	120
125	23.7	264.9	25,700*	31.4	278.9	29,800*	40.4	293.2	34,000	125
130	16.5	250.8	25,100*	26.3	269.6	28,500*	36.5	286.7	32,100	130
135				20.1	257.6	27,500*	32.3	279.3	30,300	135
140				10.8	238.8	27,000*	27.4	270.3	28,600	140
145							21.4	259.0	27,000	145
150							13.1	242.2	25,500	150



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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

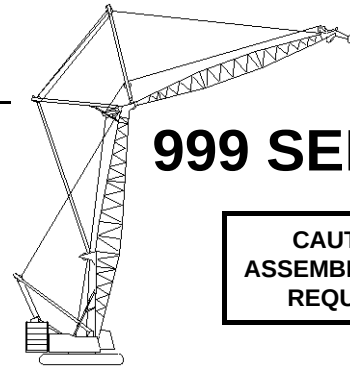
210 Ft. Boom, 130 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.8	343.0	46,100* ^b							50
55	72.5	341.5	45,000*							55
60	70.1	339.8	43,900*	73.5	341.8	52,900* ^b				60
65	67.7	337.8	42,600*	71.2	340.1	51,900*				65
70	65.3	335.5	41,400*	68.9	338.3	50,900*				70
75	62.9	333.1	40,300*	66.5	336.1	49,800*				75
80	60.4	330.3	39,700*	64.0	333.8	48,000*	69.3	337.5	51,000*	80
85	57.8	327.2	38,300*	61.5	331.1	45,500*	66.9	335.4	50,300*	85
90	55.1	323.8	36,000*	59.0	328.2	43,000*	64.5	333.1	49,600*	90
95	52.4	320.1	33,900*	56.4	325.0	40,700*	62.0	330.5	48,700*	95
100	49.5	315.9	31,900*	53.6	321.4	38,400*	59.5	327.6	46,300	100
105	46.5	311.4	30,200*	50.8	317.5	36,200*	56.8	324.4	43,200	105
110	43.3	306.2	28,600*	47.9	313.1	34,200*	54.2	320.9	40,500	110
115	40.0	300.5	27,100*	44.8	308.2	32,300*	51.4	317.1	37,900	115
120	36.4	294.0	25,600*	41.6	302.8	30,500*	48.5	312.8	35,700	120
125	32.4	286.6	24,400*	38.1	296.7	29,000*	45.4	308.0	33,600	125
130	28.0	277.8	23,500*	34.3	289.7	27,500*	42.2	302.7	31,600	130
135	22.7	266.9	22,700*	30.1	281.6	26,200*	38.8	296.7	29,900	135
140	15.8	252.2	22,200*	25.3	271.8	25,200*	35.0	289.9	28,200	140
145				19.3	259.3	24,400*	30.9	282.0	26,700	145
150				10.4	239.6	24,000*	26.2	272.6	25,200	150
155							20.6	260.8	23,900	155
160							12.6	243.3	22,600	160

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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

210 Ft. Boom, 140 Ft. Jib

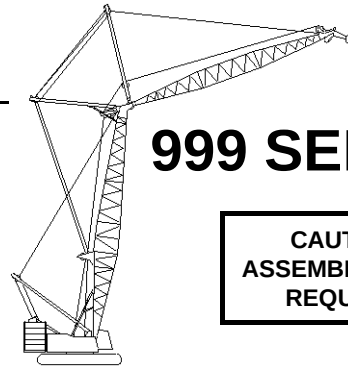
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	75.9	353.4	43,100*							50
55	73.7	352.0	42,300*							55
60	71.6	350.4	41,300*							60
65	69.4	348.6	40,100*	72.6	350.7	48,700*				65
70	67.2	346.5	39,100*	70.4	349.0	47,800*				70
75	65.0	344.2	38,700*	68.2	347.0	46,900*				75
80	62.7	341.7	37,500*	66.0	344.9	45,900*	70.8	348.1	47,500*	80
85	60.3	339.0	36,700*	63.7	342.5	43,600*	68.6	346.2	47,100*	85
90	57.9	335.9	34,800*	61.4	339.8	41,400*	66.4	344.1	46,600*	90
95	55.5	332.5	32,800*	59.1	336.9	39,300*	64.2	341.8	45,900*	95
100	52.9	328.9	30,900*	56.6	333.7	37,200*	61.9	339.2	45,200*	100
105	50.3	324.8	29,200*	54.1	330.2	35,200*	59.5	336.3	42,500	105
110	47.6	320.4	27,600*	51.5	326.3	33,200*	57.1	333.1	39,800	110
115	44.7	315.5	26,200*	48.8	322.0	31,400*	54.6	329.7	37,300	115
120	41.7	310.1	24,800*	46.0	317.4	29,700*	52.0	325.9	35,000	120
125	38.5	304.0	23,600*	43.1	312.2	28,200*	49.4	321.7	32,900	125
130	35.0	297.2	22,400*	40.0	306.4	26,700*	46.6	317.1	31,000	130
135	31.2	289.4	21,400*	36.6	300.0	25,500*	43.7	312.0	29,200	135
140	26.9	280.2	20,600*	33.0	292.7	24,200*	40.6	306.4	27,600	140
145	21.9	268.9	20,000*	29.0	284.2	23,100*	37.3	300.1	26,100	145
150	15.2	253.5	19,700*	24.3	274.0	22,300*	33.7	292.9	24,600	150
155				18.6	260.9	21,600*	29.8	284.7	23,300	155
160				10.0	240.5	21,300*	25.3	274.9	22,100	160
165							19.8	262.5	20,900	165
170							12.1	244.3	19,700	170



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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

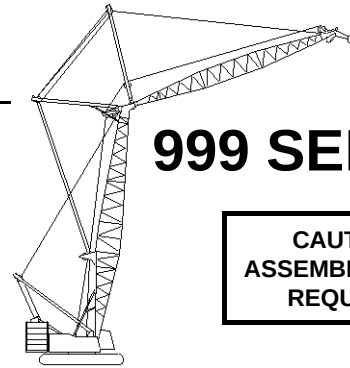
210 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	74.9	362.4	39,700*							55
60	72.9	360.9	38,900*							60
65	70.9	359.2	37,900*	73.8	361.2	45,600*				65
70	68.8	357.3	37,300*	71.8	359.6	45,000*				70
75	66.7	355.2	35,900*	69.8	357.8	44,200*				75
80	64.6	352.9	35,600*	67.7	355.8	43,400*				80
85	62.5	350.4	34,100*	65.6	353.6	41,800*	70.1	357.0	44,000*	85
90	60.3	347.6	33,600*	63.5	351.1	39,900*	68.1	355.0	43,700*	90
95	58.1	344.6	31,800*	61.3	348.5	37,900*	66.0	352.8	43,200*	95
100	55.8	341.3	30,000*	59.1	345.6	36,000*	63.9	350.4	42,700*	100
105	53.4	337.6	28,400*	56.8	342.4	34,200*	61.7	347.8	42,100*	105
110	51.0	333.7	26,800*	54.5	338.9	32,400*	59.5	344.9	39,500	110
115	48.5	329.4	25,400*	52.1	335.1	30,700*	57.3	341.8	37,000	115
120	45.8	324.7	24,100*	49.6	331.0	29,000*	55.0	338.4	34,700	120
125	43.1	319.5	22,900*	47.1	326.4	27,500*	52.6	334.7	32,700	125
130	40.2	313.8	21,800*	44.4	321.5	26,100*	50.1	330.6	30,800	130
135	37.1	307.4	20,700*	41.6	316.0	24,800*	47.6	326.1	29,000	135
140	33.8	300.2	19,800*	38.6	310.0	23,500*	44.9	321.3	27,400	140
145	30.1	292.1	19,000*	35.3	303.2	22,500*	42.1	315.9	25,900	145
150	26.0	282.5	18,300*	31.8	295.5	21,500*	39.1	310.0	24,500	150
155	21.1	270.7	17,800*	28.0	286.7	20,600*	36.0	303.3	23,100	155
160	14.7	254.7	17,600*	23.5	276.0	19,900*	32.5	295.9	21,900	160
165				17.9	262.5	19,100*	28.7	287.2	20,800	165
170				9.6	241.3	19,100*	24.4	277.0	19,700	170
175							19.1	264.1	18,600	175
180							11.6	245.3	17,600	180

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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

210 Ft. Boom, 160 Ft. Jib

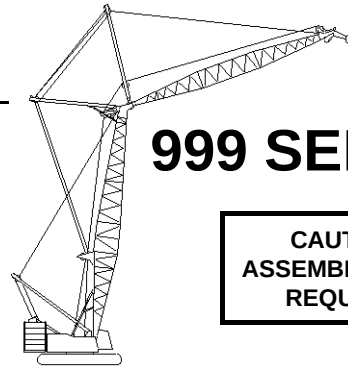
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.8	372.8	37,100*							55
60	74.0	371.4	36,500*							60
65	72.1	369.8	35,600*							65
70	70.2	368.0	35,100*	73.0	370.1	42,100*				70
75	68.3	366.1	34,300*	71.1	368.4	41,500*				75
80	66.3	364.0	33,000*	69.2	366.6	40,800*				80
85	64.4	361.6	32,800*	67.2	364.5	39,900*				85
90	62.3	359.1	31,900*	65.3	362.3	38,200*	69.5	365.8	40,700*	90
95	60.3	356.3	30,600*	63.3	359.8	36,400*	67.6	363.7	40,400*	95
100	58.2	353.2	29,000*	61.2	357.1	34,700*	65.6	361.5	40,000*	100
105	56.1	350.0	27,500*	59.2	354.2	33,000*	63.6	359.1	39,600*	105
110	53.9	346.4	26,000*	57.1	351.0	31,300*	61.6	356.5	38,800	110
115	51.6	342.5	24,600*	54.9	347.6	29,800*	59.6	353.6	36,300	115
120	49.2	338.3	23,300*	52.6	343.9	28,200*	57.5	350.5	34,100	120
125	46.8	333.7	22,200*	50.3	339.8	26,800*	55.3	347.1	32,000	125
130	44.3	328.8	21,000*	48.0	335.4	25,400*	53.1	343.4	30,100	130
135	41.6	323.3	20,100*	45.5	330.7	24,100*	50.8	339.4	28,300	135
140	38.8	317.3	19,100*	42.9	325.4	23,000*	48.4	335.1	26,700	140
145	35.9	310.6	18,300*	40.2	319.7	21,800*	45.9	330.4	25,200	145
150	32.6	303.2	17,500*	37.3	313.4	20,800*	43.4	325.3	23,800	150
155	29.1	294.6	16,800*	34.2	306.3	20,000*	40.7	319.6	22,500	155
160	25.1	284.7	16,300*	30.8	298.3	19,100*	37.8	313.4	21,300	160
165	20.4	272.5	15,900*	27.0	289.1	18,400*	34.8	306.5	20,200	165
170	14.2	256.0	15,700*	22.7	278.0	17,800*	31.4	298.7	19,100	170
175				17.3	264.0	17,100*	27.8	289.7	18,100	175
180				9.3	242.1	17,100*	23.6	279.1	17,100	180
185							18.5	265.8	16,200	185
190							11.3	246.3	15,200	190



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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

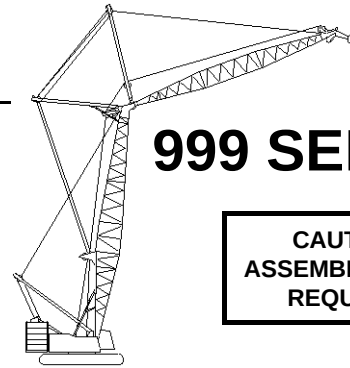
210 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.9	381.8	34,300*							60
65	73.2	380.3	33,600*							65
70	71.4	378.7	32,800*	74.0	380.5	39,400*				70
75	69.6	376.9	32,400*	72.2	379.0	38,900*				75
80	67.8	374.9	31,700*	70.4	377.3	38,400*				80
85	66.0	372.7	30,900*	68.6	375.3	37,900*				85
90	64.1	370.3	29,800*	66.8	373.3	36,600*	70.8	376.4	37,900*	90
95	62.2	367.7	29,500*	65.0	371.0	35,000*	69.0	374.5	37,700*	95
100	60.3	364.9	28,100*	63.1	368.5	33,500*	67.2	372.5	37,500*	100
105	58.3	361.9	26,700*	61.2	365.8	31,900*	65.3	370.2	37,200*	105
110	56.3	358.6	25,300*	59.2	362.9	30,400*	63.4	367.8	36,800*	110
115	54.2	355.1	24,000*	57.2	359.7	29,000*	61.5	365.1	35,800	115
120	52.1	351.3	22,800*	55.2	356.3	27,500*	59.6	362.3	33,500	120
125	49.9	347.2	21,600*	53.1	352.7	26,200*	57.6	359.2	31,500	125
130	47.7	342.8	20,500*	50.9	348.7	24,900*	55.6	355.8	29,600	130
135	45.3	337.9	19,500*	48.7	344.4	23,600*	53.5	352.2	27,800	135
140	42.9	332.7	18,600*	46.4	339.8	22,500*	51.4	348.3	26,200	140
145	40.3	327.0	17,800*	44.0	334.7	21,400*	49.1	344.1	24,700	145
150	37.6	320.7	17,000*	41.5	329.2	20,400*	46.9	339.5	23,300	150
155	34.7	313.8	16,200*	38.9	323.2	19,500*	44.5	334.5	22,000	155
160	31.6	306.0	15,600*	36.1	316.6	18,600*	42.0	329.1	20,800	160
165	28.2	297.2	15,100*	33.1	309.3	17,900*	39.4	323.2	19,700	165
170	24.3	286.8	14,600*	29.8	300.9	17,100*	36.6	316.7	18,600	170
175	19.8	274.2	14,300*	26.2	291.4	16,500*	33.7	309.5	17,600	175
180	13.8	257.2	14,200*	22.0	280.0	16,000*	30.5	301.4	16,700	180
185				16.8	265.4	15,500*	26.9	292.1	15,800	185
190				9.0	242.8	15,500*	22.8	281.1	14,900	190
195							17.9	267.3	14,000	195
200							10.9	247.2	13,200	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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

220 Ft. Boom, 110 Ft. Jib

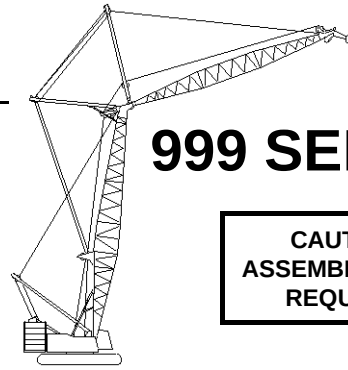
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	72.1	332.2	48,500* ^b							50
55	69.3	330.4	47,100* ^b							55
60	66.5	328.3	45,800*	70.8	330.9	55,500* ^b				60
65	63.6	325.9	44,500*	68.0	329.0	54,100* ^b				65
70	60.6	323.2	43,300*	65.1	326.7	52,700*				70
75	57.6	320.1	42,100*	62.2	324.2	51,400*	68.8	328.3	54,100* ^b	75
80	54.4	316.6	41,100*	59.2	321.3	49,400*	66.0	326.2	53,200*	80
85	51.1	312.7	39,200*	56.1	318.1	46,600*	63.1	323.7	52,100*	85
90	47.6	308.3	36,900*	52.9	314.4	43,900*	60.1	321.0	51,000*	90
95	44.0	303.4	34,800*	49.5	310.3	41,400*	57.0	317.8	49,800*	95
100	40.0	297.7	32,800*	46.0	305.6	39,000*	53.8	314.3	46,800	100
105	35.7	291.1	31,100*	42.2	300.3	36,800*	50.5	310.3	43,800	105
110	30.9	283.3	29,700*	38.1	294.3	34,800*	47.0	305.8	41,000	110
115	25.2	273.6	28,500*	33.5	287.1	33,000*	43.3	300.7	38,500	115
120	17.9	260.5	27,800*	28.4	278.6	31,500*	39.3	294.9	36,200	120
125				22.1	267.6	30,300*	34.9	288.1	34,100	125
130				13.2	251.2	29,500*	30.0	280.0	32,200	130
135							24.1	269.9	30,400	135
140							16.3	255.8	28,600	140



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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

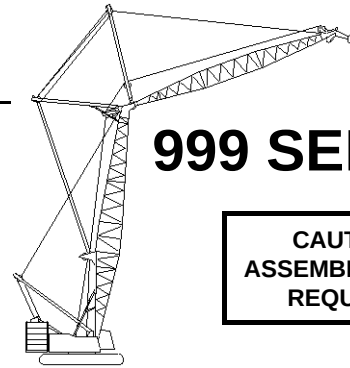
220 Ft. Boom, 120 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	73.6	342.7	45,600*b							50
55	71.1	341.1	44,400*b							55
60	68.6	339.2	43,200*	72.5	341.5	52,200*b				60
65	66.0	337.0	42,100*	69.9	339.7	51,100*				65
70	63.3	334.6	40,900*	67.3	337.7	49,800*				70
75	60.6	331.8	39,900*	64.7	335.4	48,600*	70.7	339.0	50,800*b	75
80	57.8	328.8	38,900*	62.0	332.8	47,300*	68.1	337.1	50,000*	80
85	54.9	325.4	37,700*	59.3	330.0	44,800*	65.5	334.9	49,200*	85
90	51.9	321.6	35,500*	56.4	326.7	42,300*	62.8	332.4	48,200*	90
95	48.8	317.3	33,500*	53.5	323.2	40,000*	60.1	329.6	47,200*	95
100	45.5	312.6	31,700*	50.4	319.2	37,700*	57.3	326.5	46,100	100
105	42.0	307.2	29,900*	47.2	314.7	35,600*	54.4	323.0	43,100	105
110	38.2	301.2	28,300*	43.9	309.7	33,700*	51.4	319.1	40,300	110
115	34.1	294.2	26,900*	40.3	304.0	31,800*	48.2	314.8	37,800	115
120	29.5	285.9	25,800*	36.4	297.6	30,200*	44.9	310.0	35,600	120
125	24.1	275.7	24,900*	32.0	290.0	28,800*	41.3	304.5	33,500	125
130	17.1	262.0	24,300*	27.1	281.0	27,500*	37.5	298.3	31,600	130
135				21.1	269.5	26,500*	33.3	291.1	29,800	135
140				12.6	252.3	26,000*	28.6	282.6	28,100	140
145							23.0	272.0	26,600	145
150							15.5	257.2	25,100	150

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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

220 Ft. Boom, 130 Ft. Jib

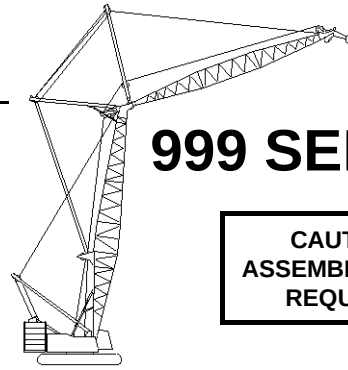
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	74.9	353.1	43,000* ^b							50
55	72.6	351.6	42,000* ^b							55
60	70.3	349.9	40,900*	73.8	352.0	49,200* ^b				60
65	67.9	347.9	39,900*	71.5	350.4	48,300*				65
70	65.5	345.7	38,800*	69.2	348.5	47,200*				70
75	63.0	343.2	38,400*	66.8	346.4	46,200*				75
80	60.5	340.5	36,800*	64.4	344.1	45,100*	69.9	347.9	47,100*	80
85	58.0	337.4	35,900*	61.9	341.5	43,200*	67.5	345.8	46,500*	85
90	55.3	334.1	34,400*	59.3	338.6	41,000*	65.1	343.6	45,800*	90
95	52.6	330.4	32,500*	56.7	335.4	38,800*	62.6	341.1	44,900*	95
100	49.7	326.2	30,600*	54.0	331.9	36,700*	60.1	338.3	44,100*	100
105	46.7	321.7	29,000*	51.2	328.0	34,700*	57.5	335.2	42,600	105
110	43.6	316.6	27,500*	48.3	323.7	32,800*	54.8	331.7	39,800	110
115	40.2	310.9	26,100*	45.3	318.9	31,000*	52.1	328.0	37,400	115
120	36.6	304.5	24,700*	42.0	313.6	29,400*	49.2	323.8	35,100	120
125	32.7	297.1	23,600*	38.6	307.5	27,900*	46.2	319.1	33,000	125
130	28.3	288.4	22,700*	34.9	300.7	26,600*	43.0	314.0	31,100	130
135	23.1	277.8	21,900*	30.7	292.8	25,400*	39.6	308.2	29,400	135
140	16.4	263.4	21,500*	26.0	283.3	24,300*	36.0	301.6	27,700	140
145				20.3	271.3	23,500*	32.0	294.0	26,200	145
150				12.0	253.3	23,100*	27.5	285.0	24,800	150
155							22.1	273.9	23,500	155
160							14.9	258.4	22,200	160



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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

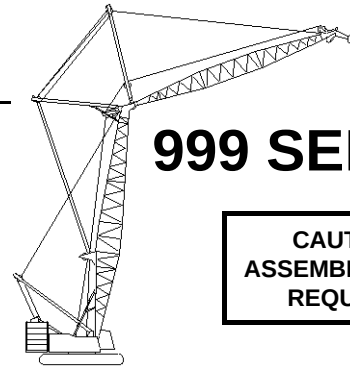
220 Ft. Boom, 140 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
50	76.0	363.5	40,300*							50
55	73.9	362.1	39,400*							55
60	71.7	360.5	38,600*							60
65	69.6	358.7	37,600*	72.9	360.9	45,300*				65
70	67.4	356.7	36,600*	70.7	359.2	44,500*				70
75	65.1	354.4	35,600*	68.5	357.3	43,600*				75
80	62.8	351.9	35,000*	66.3	355.2	42,600*				80
85	60.5	349.1	33,800*	64.1	352.8	41,400*	69.2	356.6	43,600*	85
90	58.1	346.1	33,200*	61.7	350.2	39,400*	67.0	354.6	43,000*	90
95	55.6	342.8	31,300*	59.4	347.3	37,400*	64.7	352.3	42,400*	95
100	53.1	339.1	29,600*	57.0	344.1	35,400*	62.4	349.7	41,700*	100
105	50.5	335.1	28,000*	54.5	340.6	33,600*	60.1	346.9	41,000*	105
110	47.8	330.7	26,500*	51.9	336.8	31,800*	57.7	343.8	39,100	110
115	44.9	325.9	25,100*	49.2	332.6	30,100*	55.2	340.5	36,700	115
120	41.9	320.5	23,900*	46.4	328.0	28,500*	52.7	336.8	34,400	120
125	38.7	314.5	22,700*	43.5	322.9	27,100*	50.0	332.7	32,400	125
130	35.3	307.7	21,600*	40.4	317.3	25,700*	47.3	328.2	30,500	130
135	31.5	299.9	20,700*	37.1	310.9	24,500*	44.4	323.2	28,700	135
140	27.2	290.9	20,000*	33.5	303.7	23,300*	41.3	317.8	27,100	140
145	22.2	279.7	19,400*	29.6	295.4	22,400*	38.1	311.6	25,600	145
150	15.8	264.8	19,000*	25.0	285.5	21,500*	34.6	304.7	24,200	150
155				19.5	273.0	20,900*	30.8	296.7	22,900	155
160				11.6	254.3	20,600*	26.4	287.4	21,700	160
165							21.2	275.8	20,500	165
170							14.3	259.7	19,400	170

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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

220 Ft. Boom, 150 Ft. Jib

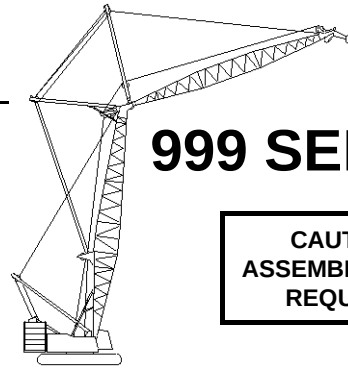
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.0	372.5	37,100*							55
60	73.0	371.0	36,400*							60
65	71.0	369.3	35,600*							65
70	69.0	367.5	34,600*	72.1	369.8	41,900*				70
75	66.9	365.4	33,700*	70.0	368.0	41,100*				75
80	64.8	363.1	32,900*	68.0	366.0	40,400*				80
85	62.6	360.6	32,000*	65.9	363.9	39,600*	70.6	367.3	40,800*	85
90	60.5	357.8	31,800*	63.8	361.5	37,800*	68.6	365.4	40,500*	90
95	58.2	354.8	30,300*	61.6	358.8	36,000*	66.5	363.3	40,000*	95
100	55.9	351.5	28,700*	59.4	355.9	34,300*	64.4	361.0	39,400*	100
105	53.6	347.9	27,200*	57.2	352.8	32,600*	62.3	358.4	38,800*	105
110	51.2	344.0	25,700*	54.9	349.4	30,900*	60.1	355.6	38,200*	110
115	48.6	339.7	24,400*	52.5	345.6	29,300*	57.8	352.5	36,400	115
120	46.0	335.0	23,100*	50.0	341.5	27,800*	55.5	349.2	34,200	120
125	43.3	329.8	22,000*	47.4	337.1	26,400*	53.2	345.5	32,100	125
130	40.4	324.2	21,000*	44.8	332.2	25,100*	50.7	341.5	30,200	130
135	37.3	317.9	20,000*	42.0	326.8	23,800*	48.2	337.2	28,500	135
140	34.0	310.8	19,100*	39.0	320.8	22,700*	45.6	332.4	26,900	140
145	30.4	302.7	18,300*	35.8	314.2	21,600*	42.8	327.2	25,400	145
150	26.3	293.2	17,700*	32.4	306.6	20,700*	39.9	321.4	24,000	150
155	21.5	281.6	17,200*	28.5	298.0	19,900*	36.8	315.0	22,700	155
160	15.2	266.1	17,000*	24.1	287.6	19,200*	33.4	307.7	21,500	160
165				18.8	274.6	18,700*	29.7	299.4	20,400	165
170				11.2	255.2	18,400*	25.5	289.6	19,300	170
175							20.5	277.6	18,200	175
180							13.8	260.9	17,200	180



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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

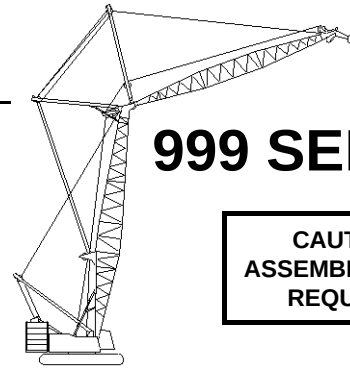
220 Ft. Boom, 160 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	76.0	382.8	34,800*							55
60	74.1	381.5	34,100*							60
65	72.2	379.9	33,500*							65
70	70.3	378.2	32,700*	73.2	380.3	39,200*				70
75	68.4	376.2	31,800*	71.3	378.6	38,700*				75
80	66.5	374.1	31,400*	69.4	376.8	38,000*				80
85	64.5	371.8	30,700*	67.5	374.8	37,300*				85
90	62.5	369.2	30,000*	65.5	372.6	36,200*	70.0	376.1	37,800*	90
95	60.4	366.5	29,200*	63.6	370.1	34,600*	68.1	374.2	37,500*	95
100	58.3	363.5	27,700*	61.5	367.5	33,000*	66.1	372.0	37,100*	100
105	56.2	360.2	26,200*	59.5	364.6	31,400*	64.1	369.7	36,600*	105
110	54.0	356.6	24,900*	57.3	361.5	29,900*	62.1	367.1	36,000*	110
115	51.7	352.8	23,600*	55.2	358.1	28,400*	60.1	364.3	35,500*	115
120	49.4	348.6	22,400*	53.0	354.4	27,000*	58.0	361.2	33,500	120
125	47.0	344.1	21,300*	50.7	350.4	25,600*	55.8	357.9	31,400	125
130	44.5	339.1	20,200*	48.3	346.1	24,400*	53.6	354.3	29,600	130
135	41.8	333.7	19,200*	45.8	341.3	23,200*	51.3	350.4	27,800	135
140	39.0	327.7	18,400*	43.3	336.2	22,000*	49.0	346.1	26,200	140
145	36.1	321.1	17,600*	40.6	330.5	21,000*	46.6	341.5	24,800	145
150	32.9	313.7	16,900*	37.7	324.3	20,100*	44.0	336.5	23,400	150
155	29.4	305.3	16,300*	34.6	317.3	19,200*	41.4	331.0	22,100	155
160	25.4	295.4	15,700*	31.3	309.4	18,400*	38.5	324.9	20,900	160
165	20.8	283.4	15,300*	27.6	300.4	17,700*	35.5	318.2	19,800	165
170	14.7	267.4	15,200*	23.3	289.7	17,100*	32.3	310.6	18,700	170
175				18.2	276.2	16,700*	28.7	302.0	17,700	175
180				10.8	256.2	16,500*	24.7	291.8	16,700	180
185							19.8	279.3	15,800	185
190							13.4	262.0	14,900	190

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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

220 Ft. Boom, 170 Ft. Jib

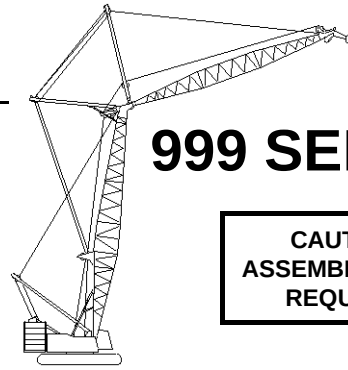
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.1	391.9	32,100*							60
65	73.3	390.4	31,500*							65
70	71.5	388.8	30,900*							70
75	69.7	387.0	30,300*	72.5	389.2	36,400*				75
80	67.9	385.0	29,700*	70.7	387.5	35,800*				80
85	66.1	382.8	29,200*	68.9	385.6	35,300*				85
90	64.2	380.5	28,500*	67.1	383.5	34,600*				90
95	62.3	377.9	27,800*	65.2	381.3	33,200*	69.4	384.9	35,100*	95
100	60.4	375.1	26,800*	63.3	378.8	31,800*	67.6	382.9	34,800*	100
105	58.4	372.1	25,400*	61.4	376.2	30,300*	65.8	380.7	34,500*	105
110	56.4	368.9	24,100*	59.5	373.3	28,900*	63.9	378.3	34,100*	110
115	54.4	365.4	22,900*	57.5	370.2	27,600*	62.0	375.7	33,600*	115
120	52.3	361.6	21,800*	55.5	366.8	26,300*	60.1	372.9	33,000	120
125	50.1	357.5	20,700*	53.4	363.2	25,000*	58.1	369.9	30,900	125
130	47.8	353.1	19,700*	51.3	359.2	23,800*	56.1	366.6	29,100	130
135	45.5	348.3	18,700*	49.0	355.0	22,600*	54.0	363.0	27,300	135
140	43.1	343.1	17,900*	46.8	350.4	21,600*	51.9	359.2	25,700	140
145	40.5	337.4	17,100*	44.4	345.4	20,500*	49.7	355.0	24,300	145
150	37.8	331.2	16,400*	41.9	340.0	19,600*	47.4	350.6	22,900	150
155	35.0	324.3	15,700*	39.3	334.1	18,700*	45.1	345.7	21,600	155
160	31.9	316.6	15,000*	36.5	327.6	17,900*	42.6	340.4	20,400	160
165	28.5	307.8	14,500*	33.5	320.3	17,200*	40.1	334.6	19,300	165
170	24.6	297.6	14,100*	30.3	312.1	16,500*	37.3	328.3	18,200	170
175	20.1	285.2	13,700*	26.7	302.8	15,900*	34.4	321.3	17,200	175
180	14.3	268.6	13,700*	22.6	291.7	15,500*	31.3	313.4	16,300	180
185				17.6	277.7	15,100*	27.8	304.4	15,400	185
190				10.5	257.1	15,000*	23.9	293.9	14,500	190
195							19.2	281.0	13,700	195
200							13.0	263.1	12,900	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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

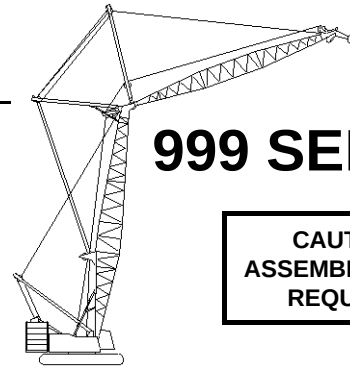
230 Ft. Boom, 150 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
55	75.1	382.6	34,300*							55
60	73.1	381.1	33,500*							60
65	71.1	379.5	32,800*							65
70	69.1	377.6	32,000*	72.3	380.0	38,600*				70
75	67.0	375.5	31,300*	70.3	378.2	37,900*				75
80	64.9	373.3	30,500*	68.3	376.3	37,100*				80
85	62.8	370.8	29,700*	66.2	374.2	36,300*				85
90	60.6	368.0	29,000*	64.1	371.8	35,300*	69.1	375.8	37,100*	90
95	58.4	365.0	28,300*	61.9	369.2	33,700*	67.0	373.8	36,600*	95
100	56.1	361.7	26,900*	59.7	366.3	32,100*	64.9	371.5	36,000*	100
105	53.8	358.1	25,500*	57.5	363.2	30,500*	62.8	369.0	35,500*	105
110	51.3	354.2	24,200*	55.2	359.8	29,000*	60.6	366.2	34,800*	110
115	48.8	350.0	23,000*	52.8	356.1	27,500*	58.4	363.2	34,200*	115
120	46.2	345.3	21,800*	50.3	352.1	26,200*	56.1	359.9	33,200*	120
125	43.5	340.2	20,800*	47.8	347.7	24,900*	53.8	356.4	31,500	125
130	40.6	334.6	19,800*	45.1	342.9	23,600*	51.3	352.5	29,700	130
135	37.5	328.3	19,000*	42.4	337.5	22,500*	48.8	348.2	28,000	135
140	34.2	321.3	18,100*	39.4	331.7	21,500*	46.2	343.6	26,400	140
145	30.6	313.3	17,400*	36.3	325.1	20,500*	43.5	338.4	24,900	145
150	26.6	303.9	16,800*	32.9	317.7	19,600*	40.6	332.8	23,500	150
155	21.8	292.5	16,200*	29.1	309.2	18,900*	37.5	326.5	22,300	155
160	15.7	277.4	16,100*	24.8	299.2	18,200*	34.2	319.5	21,100	160
165	4.0	247.1	16,100*	19.6	286.6	17,700*	30.6	311.5	19,900	165
170				12.5	268.7	17,400*	26.6	302.1	18,900	170
175							21.8	290.7	17,800	175
180							15.7	275.6	16,900	180
185							3.9	245.1	15,800	185

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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

230 Ft. Boom, 160 Ft. Jib

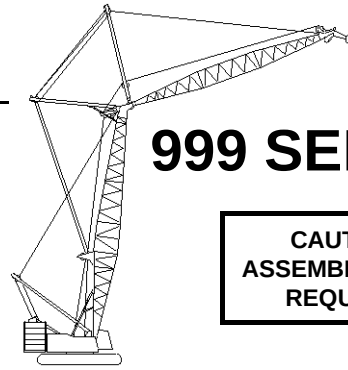
Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	74.2	391.6	31,500*							60
65	72.4	390.0	30,900*							65
70	70.5	388.3	30,200*	73.5	390.5	36,200*				70
75	68.5	386.4	29,600*	71.6	388.9	35,600*				75
80	66.6	384.3	28,800*	69.7	387.1	35,000*				80
85	64.6	381.9	28,100*	67.8	385.1	34,300*				85
90	62.6	379.4	27,400*	65.8	382.9	33,600*	70.5	386.5	34,700*	90
95	60.6	376.7	26,700*	63.8	380.5	32,200*	68.5	384.6	34,400*	95
100	58.5	373.7	25,900*	61.8	377.9	30,800*	66.6	382.5	33,900*	100
105	56.4	370.4	24,600*	59.8	375.0	29,300*	64.6	380.2	33,500*	105
110	54.2	366.9	23,300*	57.6	371.9	27,900*	62.6	377.6	33,000*	110
115	51.9	363.1	22,200*	55.5	368.5	26,600*	60.6	374.9	32,400*	115
120	49.6	358.9	21,100*	53.3	364.9	25,300*	58.5	371.9	31,800*	120
125	47.2	354.4	20,000*	51.0	361.0	24,100*	56.3	368.6	30,600*	125
130	44.7	349.5	19,100*	48.6	356.7	22,900*	54.2	365.1	29,000	130
135	42.0	344.1	18,200*	46.2	352.0	21,800*	51.9	361.3	27,300	135
140	39.2	338.2	17,400*	43.6	346.9	20,800*	49.6	357.1	25,700	140
145	36.3	331.6	16,700*	40.9	341.3	19,800*	47.2	352.6	24,300	145
150	33.1	324.3	15,900*	38.1	335.1	18,900*	44.6	347.7	22,900	150
155	29.6	315.9	15,400*	35.1	328.3	18,100*	42.0	342.3	21,600	155
160	25.7	306.2	14,900*	31.8	320.6	17,400*	39.2	336.4	20,400	160
165	21.1	294.4	14,400*	28.1	311.7	16,800*	36.3	329.8	19,300	165
170	15.2	278.7	14,400*	24.0	301.3	16,200*	33.1	322.5	18,300	170
175	3.9	247.4	14,400*	19.0	288.3	15,800*	29.6	314.1	17,300	175
180				12.1	269.7	15,600*	25.7	304.4	16,300	180
185							21.1	292.6	15,400	185
190							15.2	276.9	14,600	190
195							3.8	245.4	13,600	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

CAUTION:
ASSEMBLE-IN-AIR
REQUIRED

230 Ft. Boom, 170 Ft. Jib

Jib Oper. Rad. Feet	88 Degree Boom Angle			86 Degree Boom Angle			83 Degree Boom Angle			Jib Oper. Rad. Feet
	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	Jib Angle Degrees	Jib Point Elev. Feet	Luffing Jib Capacity Pounds	
60	75.2	402.0	29,700*							60
65	73.4	400.5	29,200*							65
70	71.7	398.9	28,600*							70
75	69.9	397.1	28,000*	72.7	399.4	33,600*				75
80	68.1	395.1	27,300*	70.9	397.7	33,100*				80
85	66.2	393.0	26,800*	69.2	395.8	32,500*				85
90	64.4	390.6	26,000*	67.3	393.8	31,900*				90
95	62.5	388.1	25,700*	65.5	391.6	30,900*	69.9	395.3	32,300*	95
100	60.5	385.3	25,100*	63.6	389.1	29,600*	68.1	393.4	32,000*	100
105	58.6	382.3	23,800*	61.7	386.5	28,300*	66.2	391.2	31,600*	105
110	56.6	379.1	22,600*	59.8	383.7	27,000*	64.4	388.9	31,200*	110
115	54.5	375.6	21,500*	57.8	380.6	25,800*	62.5	386.3	30,800*	115
120	52.4	371.9	20,500*	55.8	377.3	24,600*	60.5	383.5	30,300*	120
125	50.2	367.8	19,500*	53.7	373.7	23,400*	58.6	380.6	29,600*	125
130	48.0	363.4	18,500*	51.6	369.8	22,300*	56.6	377.3	28,400*	130
135	45.7	358.6	17,600*	49.4	365.6	21,300*	54.5	373.8	26,800	135
140	43.2	353.5	16,800*	47.1	361.0	20,300*	52.4	370.1	25,200	140
145	40.7	347.8	16,100*	44.7	356.1	19,300*	50.2	366.0	23,800	145
150	38.0	341.6	15,500*	42.2	350.8	18,500*	48.0	361.6	22,400	150
155	35.2	334.8	14,800*	39.7	344.9	17,600*	45.7	356.8	21,100	155
160	32.1	327.1	14,200*	36.9	338.5	16,900*	43.2	351.7	20,000	160
165	28.7	318.5	13,800*	34.0	331.3	16,200*	40.7	346.0	18,800	165
170	24.9	308.4	13,400*	30.8	323.3	15,600*	38.0	339.8	17,800	170
175	20.5	296.2	12,900*	27.3	314.2	15,100*	35.2	333.0	16,800	175
180	14.8	280.0	12,900*	23.2	303.3	14,600*	32.1	325.3	15,900	180
185	3.7	247.7	12,900*	18.4	289.9	14,300*	28.7	316.7	15,000	185
190				11.7	270.7	14,100*	24.9	306.6	14,200	190
195							20.5	294.4	13,400	195
200							14.7	278.2	12,600	200
205							3.7	245.7	11,700	205